Appendix C

AreaRAE Locations and Graphs

CTEH®

Fixed Station Remote- Telemetering Air Monitoring Locations

Olympic Pipeline Gasoline Spill

0 50 100 200 Feet

N

Project: PROJ-032692
Client: BP
City: Conway, WA
County: Skagit

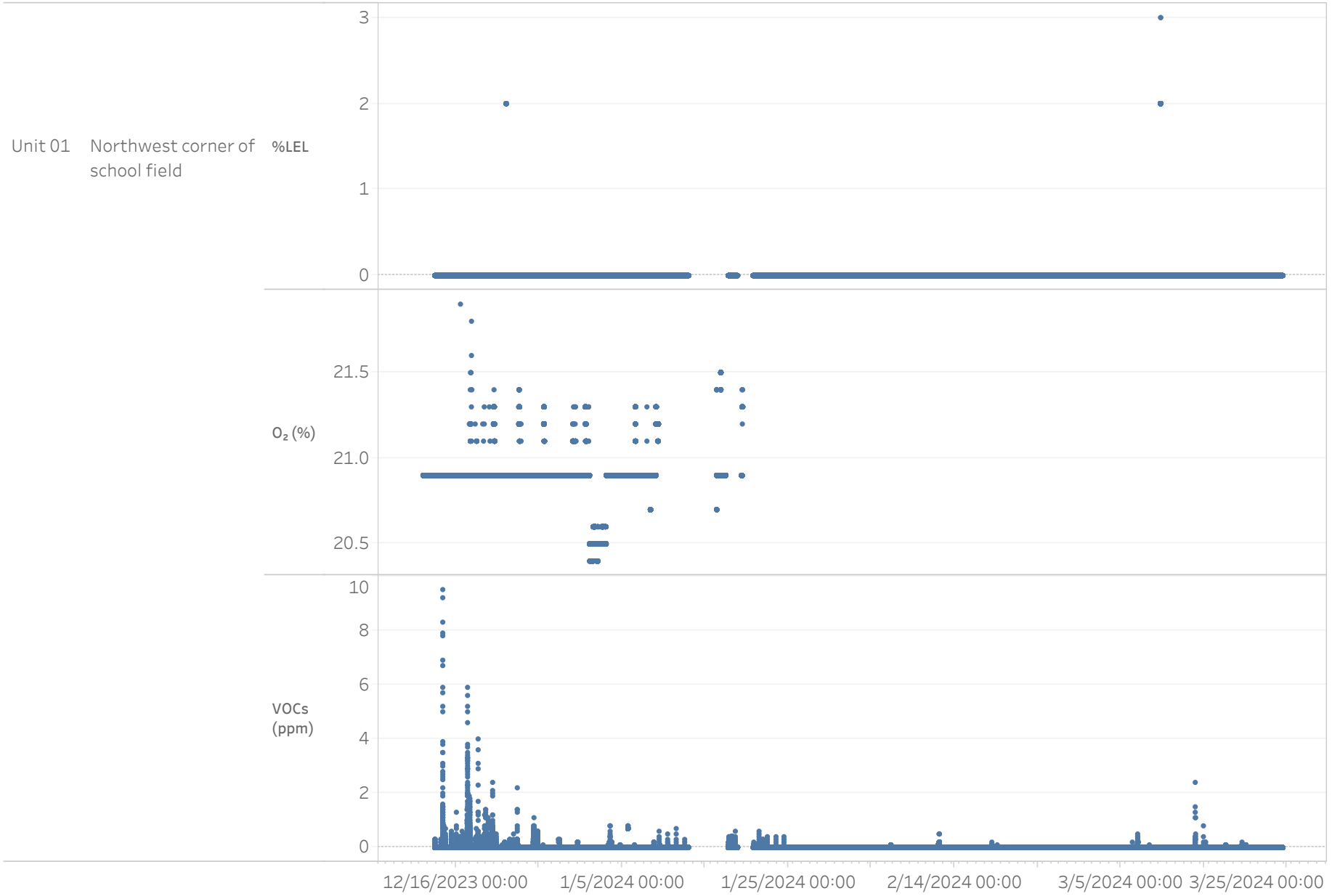
Projection: NAD 1983 2011 UTM Zone 10N Datum: NAD 1983 2011

Updated At: 9/16/2024 11:53 AM

Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

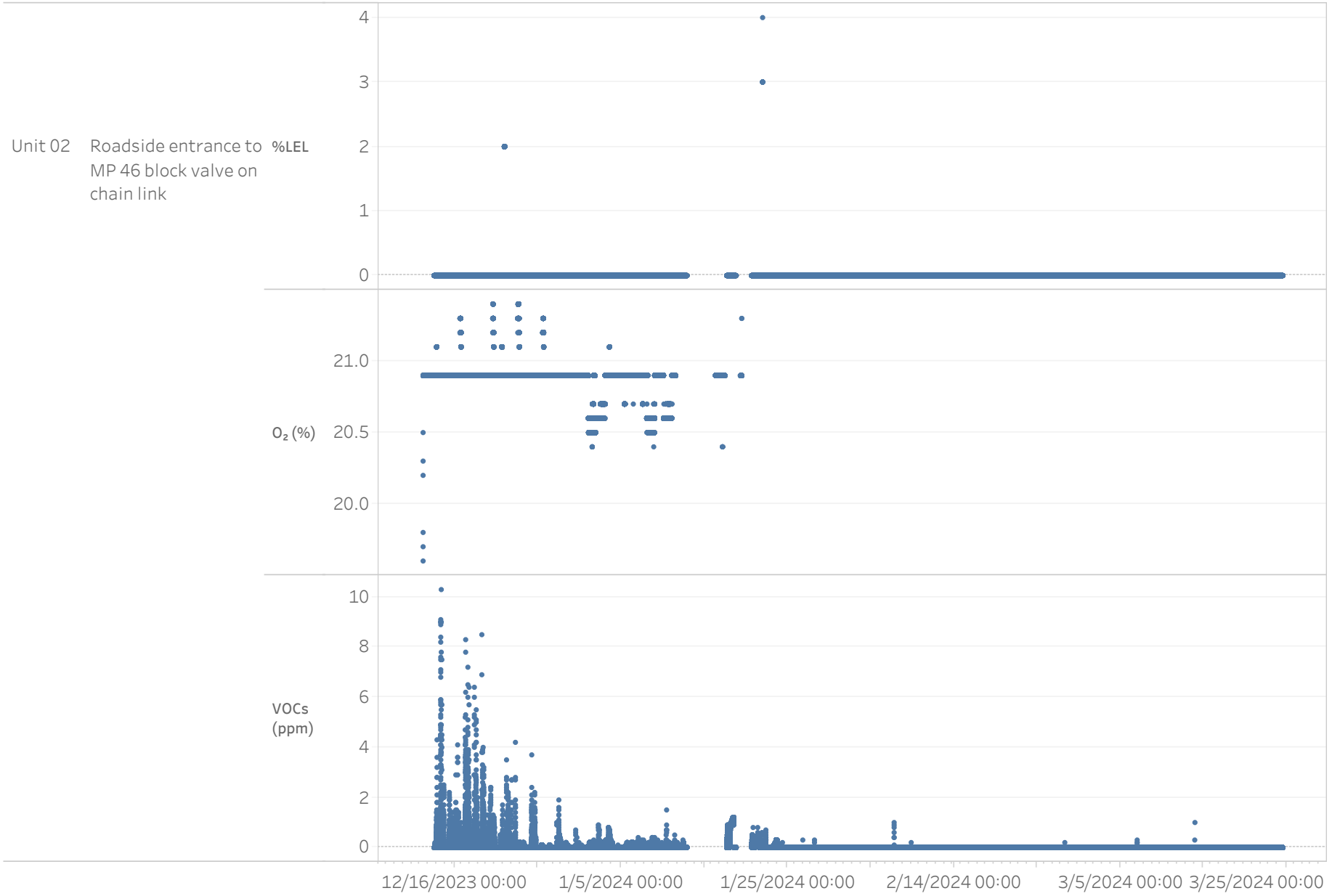
AreaRAE Unit 01 | 12/11/2023 23:41 to 3/24/2024 10:43



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olypmic Pipeline Gasoline Spill - Conway, WA

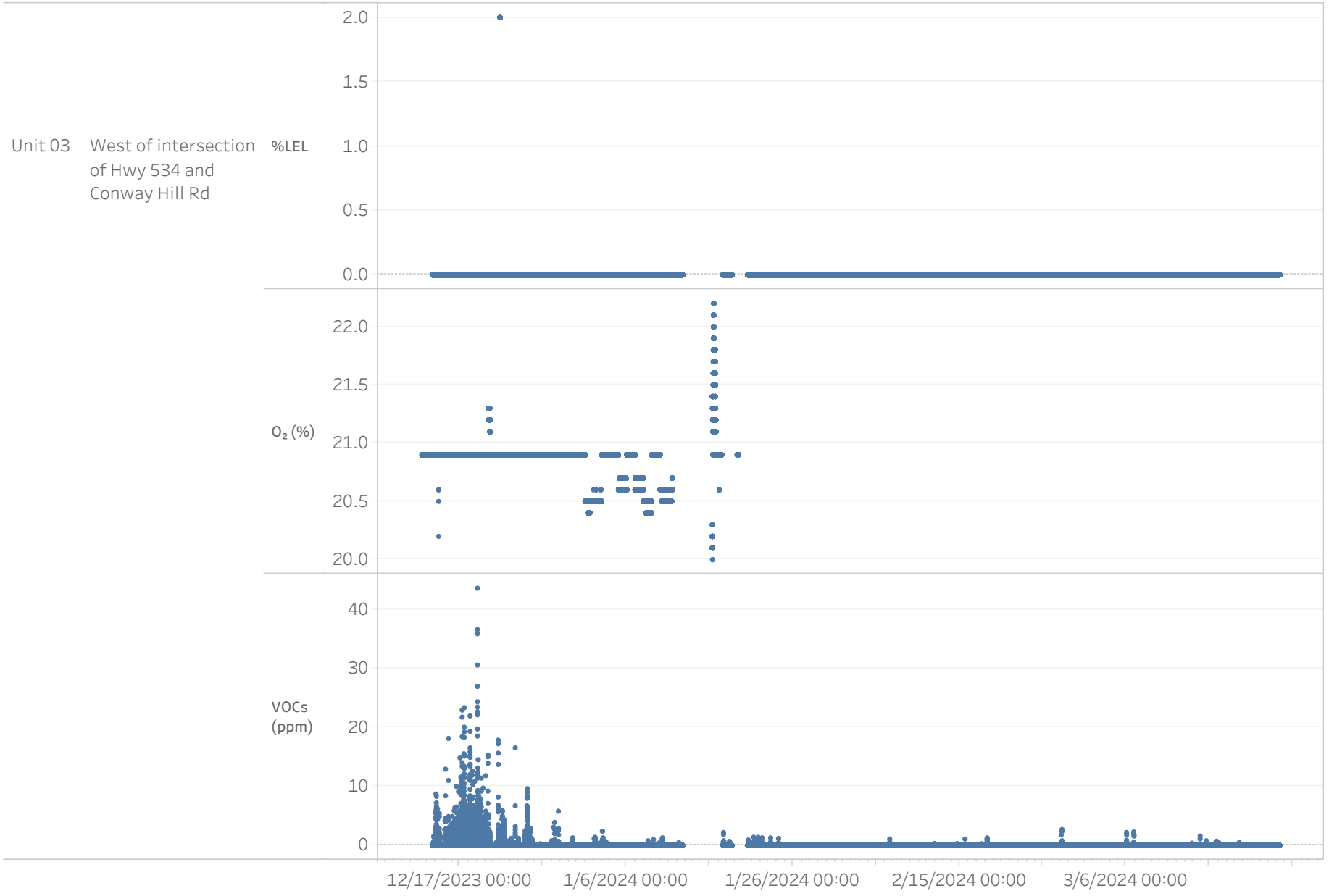
AreaRAE Unit 02 | 12/12/2023 03:50 to 3/24/2024 10:43



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

AreaRAE Unit 03 | 12/12/2023 11:05 to 3/24/2024 10:43

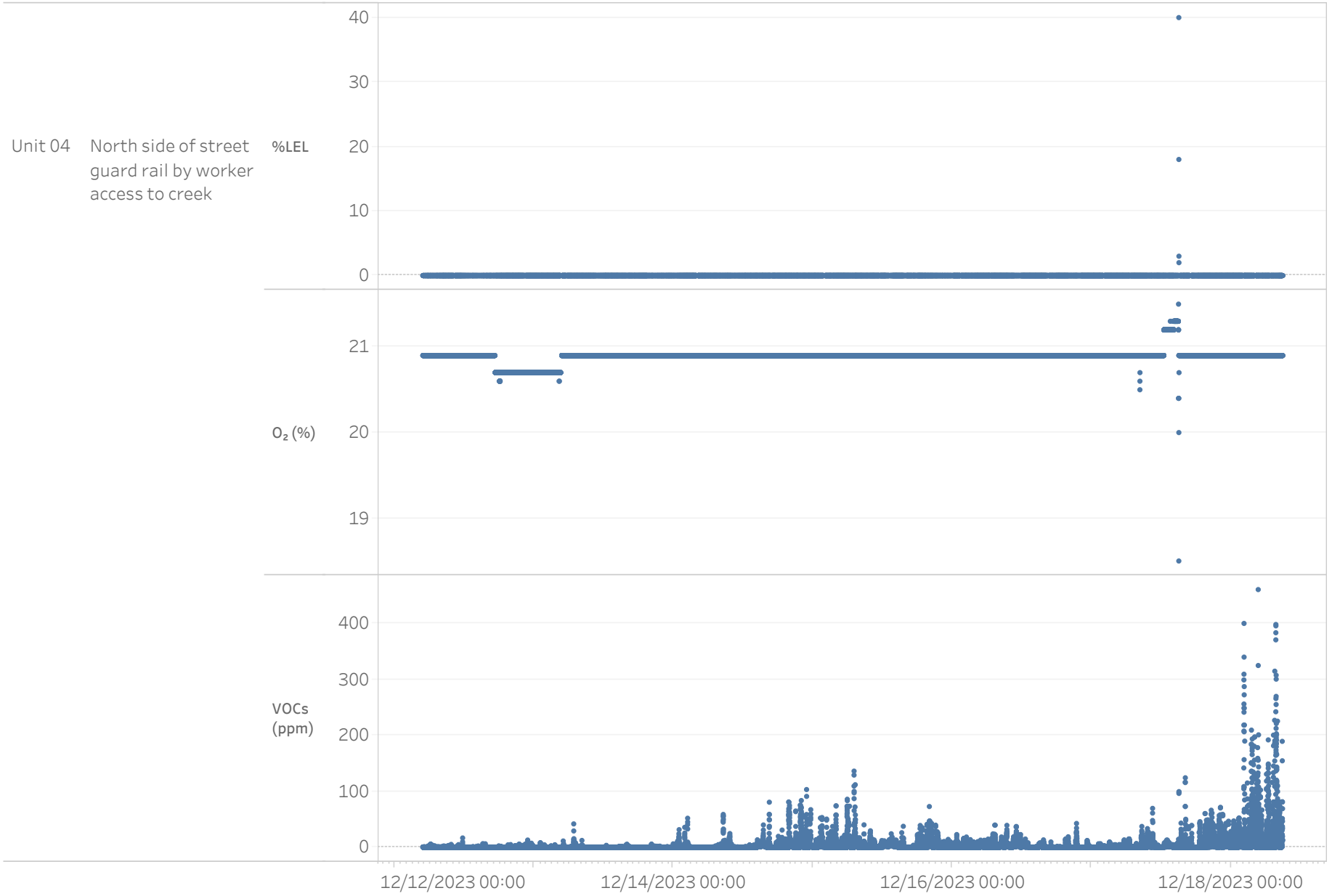


Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

AreaRAE Unit 04 | 12/12/2023 04:49 to 12/18/2023 08:49

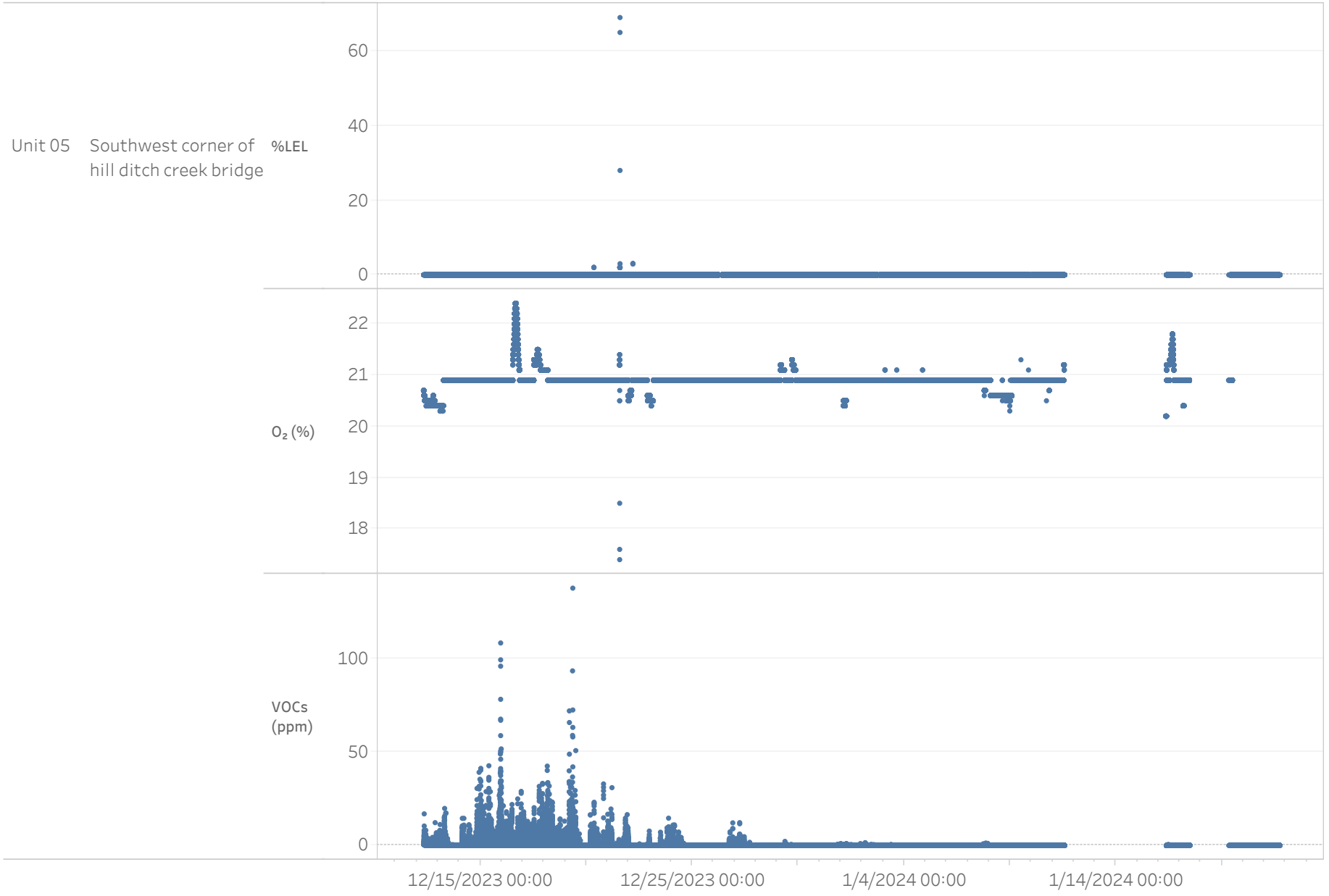
Unit 04 North side of street guard rail by worker access to creek



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

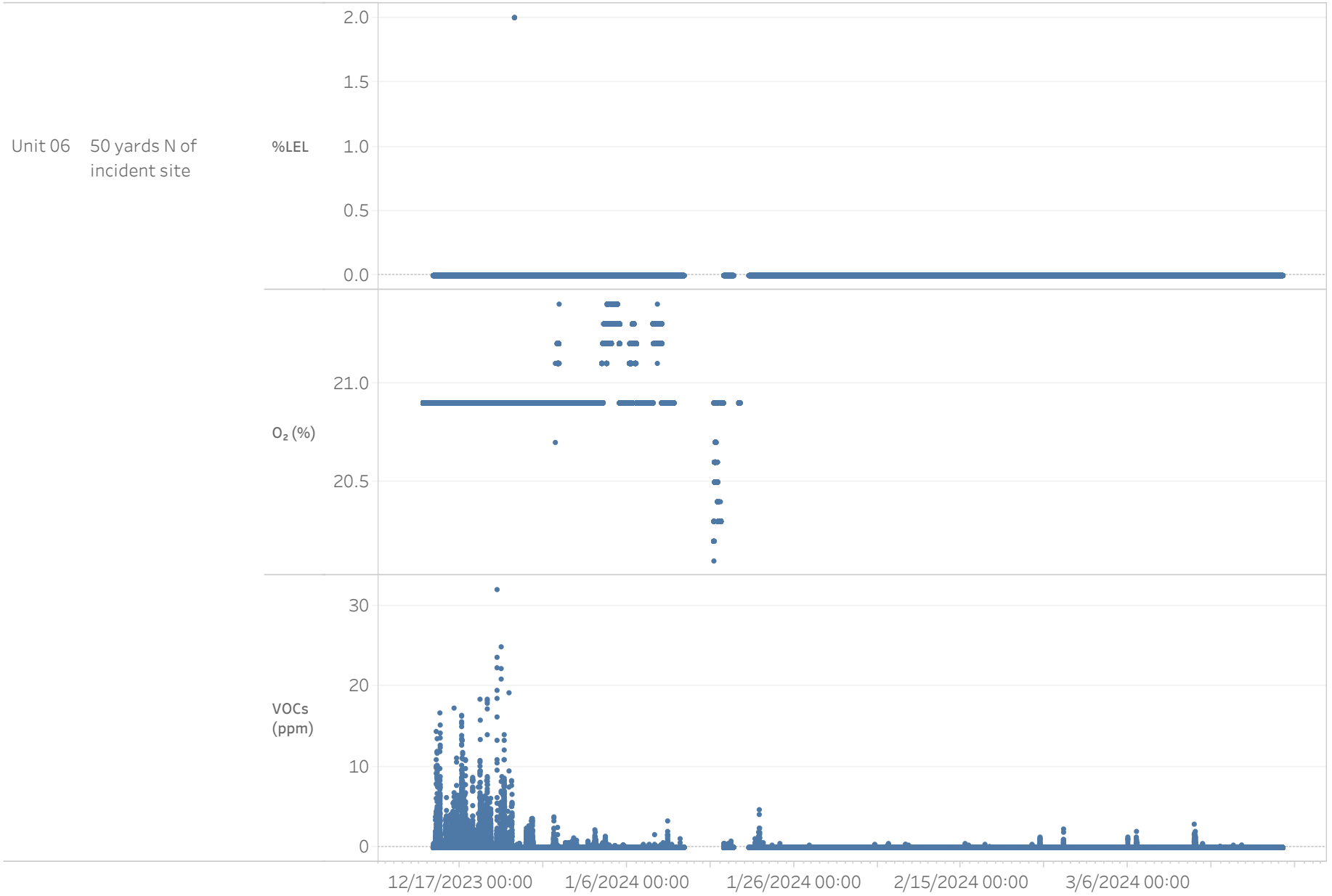
AreaRAE Unit 05 | 12/12/2023 05:19 to 1/21/2024 16:57



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

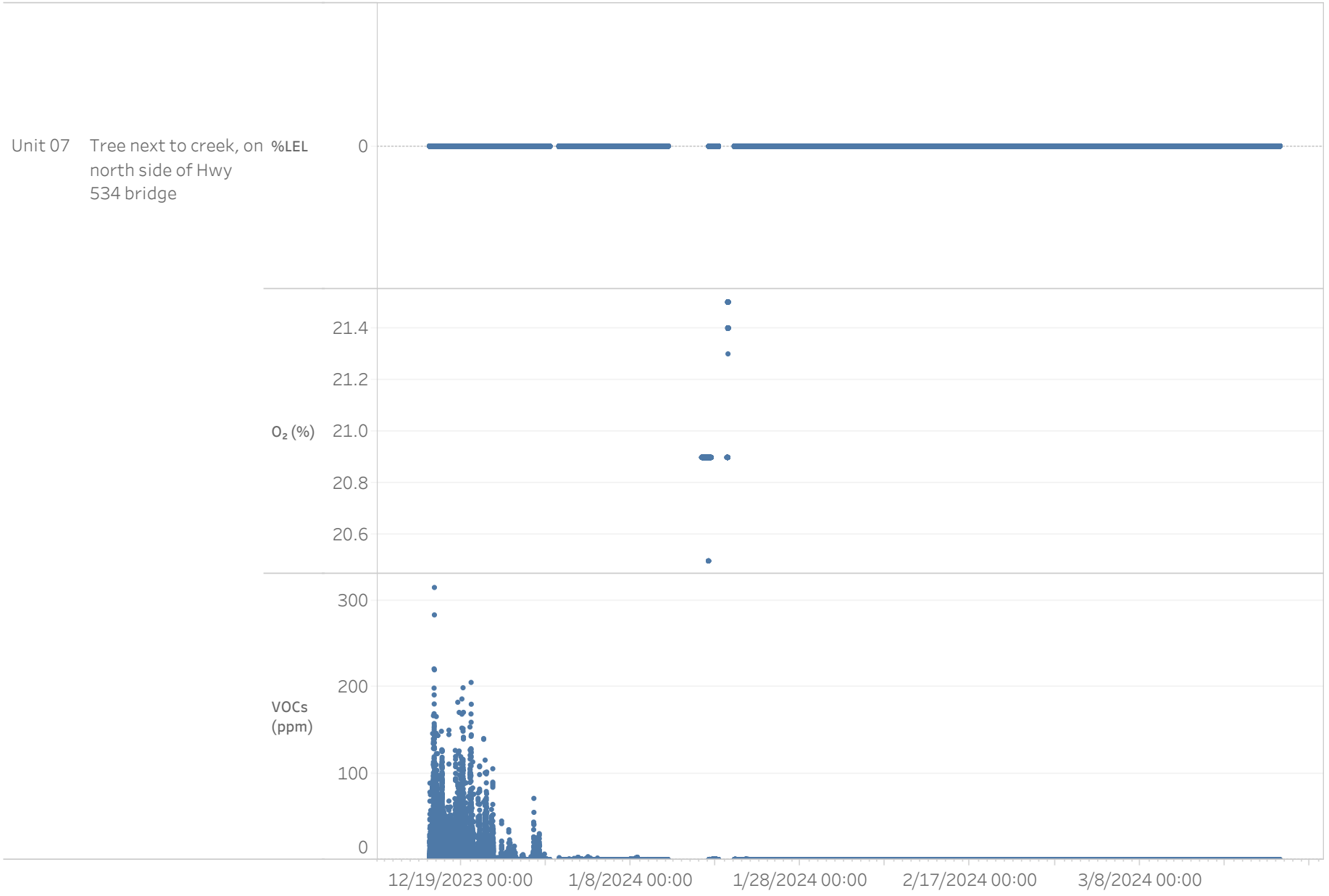
AreaRAE Unit 06 | 12/12/2023 11:23 to 3/24/2024 10:43



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olypmic Pipeline Gasoline Spill - Conway, WA

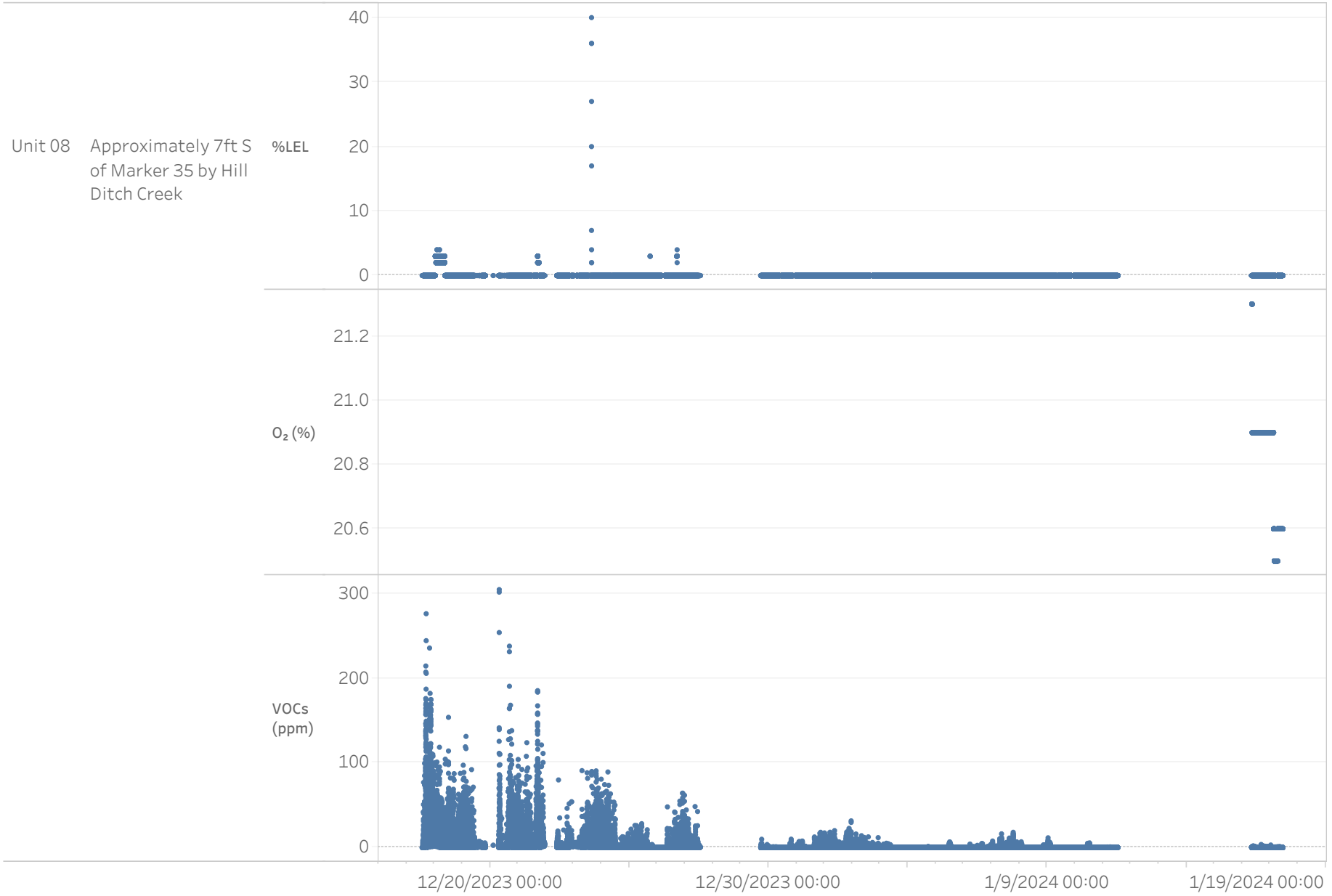
AreaRAE Unit 07 | 12/14/2023 09:00 to 3/24/2024 10:43



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

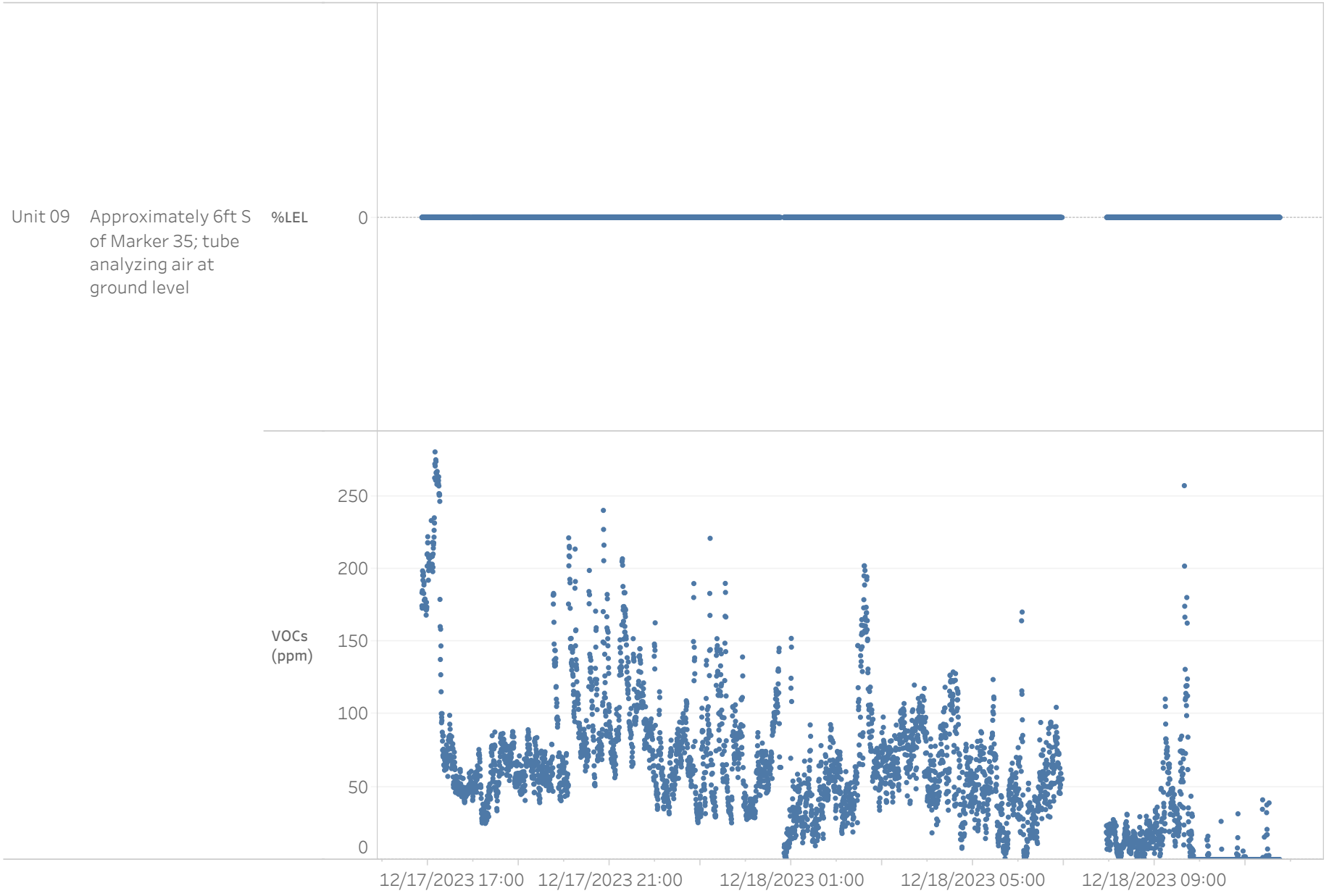
AreaRAE Unit 08 | 12/17/2023 13:43 to 1/17/2024 10:34



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

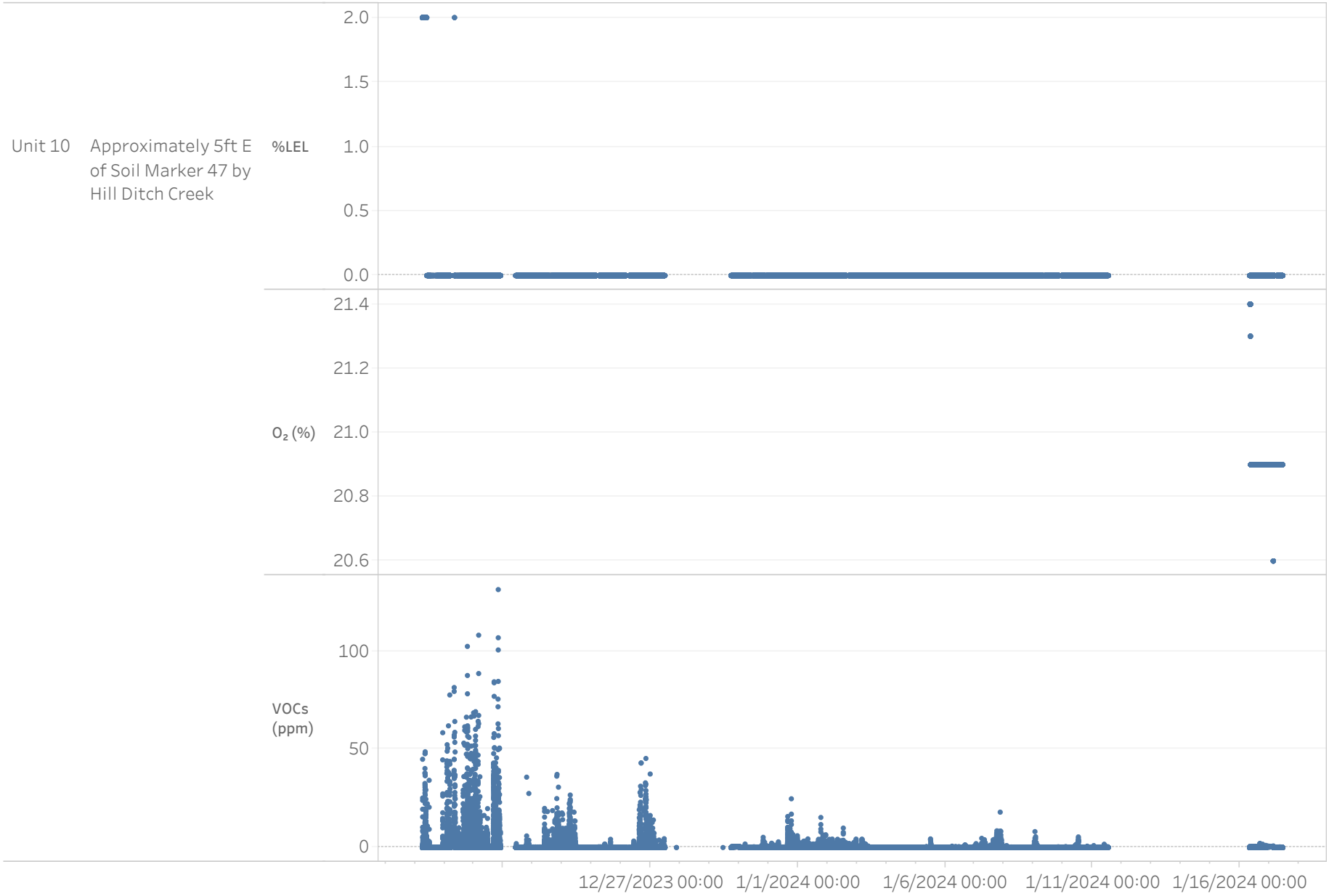
AreaRAE Unit 09 | 12/17/2023 16:50 to 12/18/2023 11:44



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

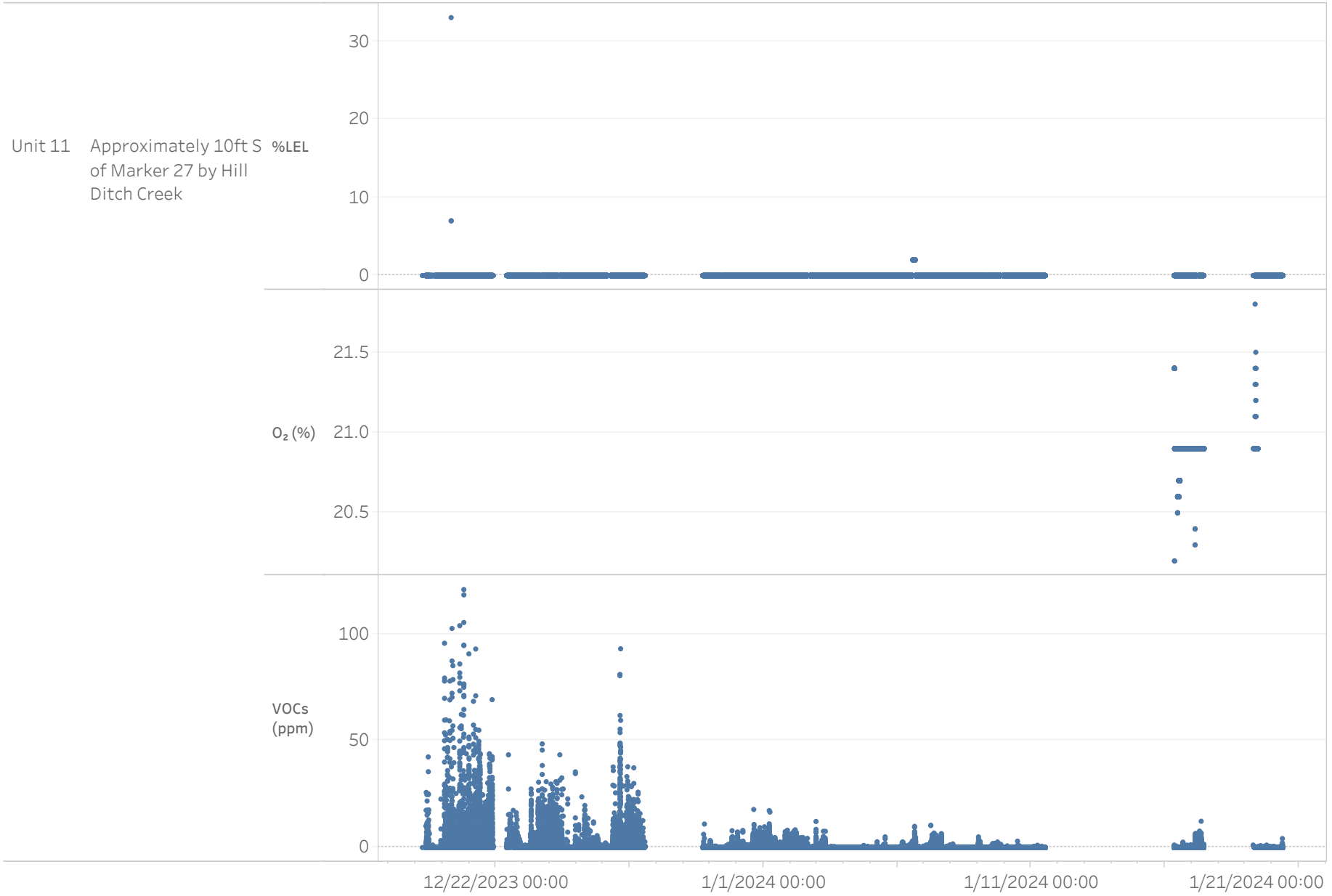
AreaRAE Unit 10 | 12/19/2023 06:00 to 1/17/2024 10:34



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

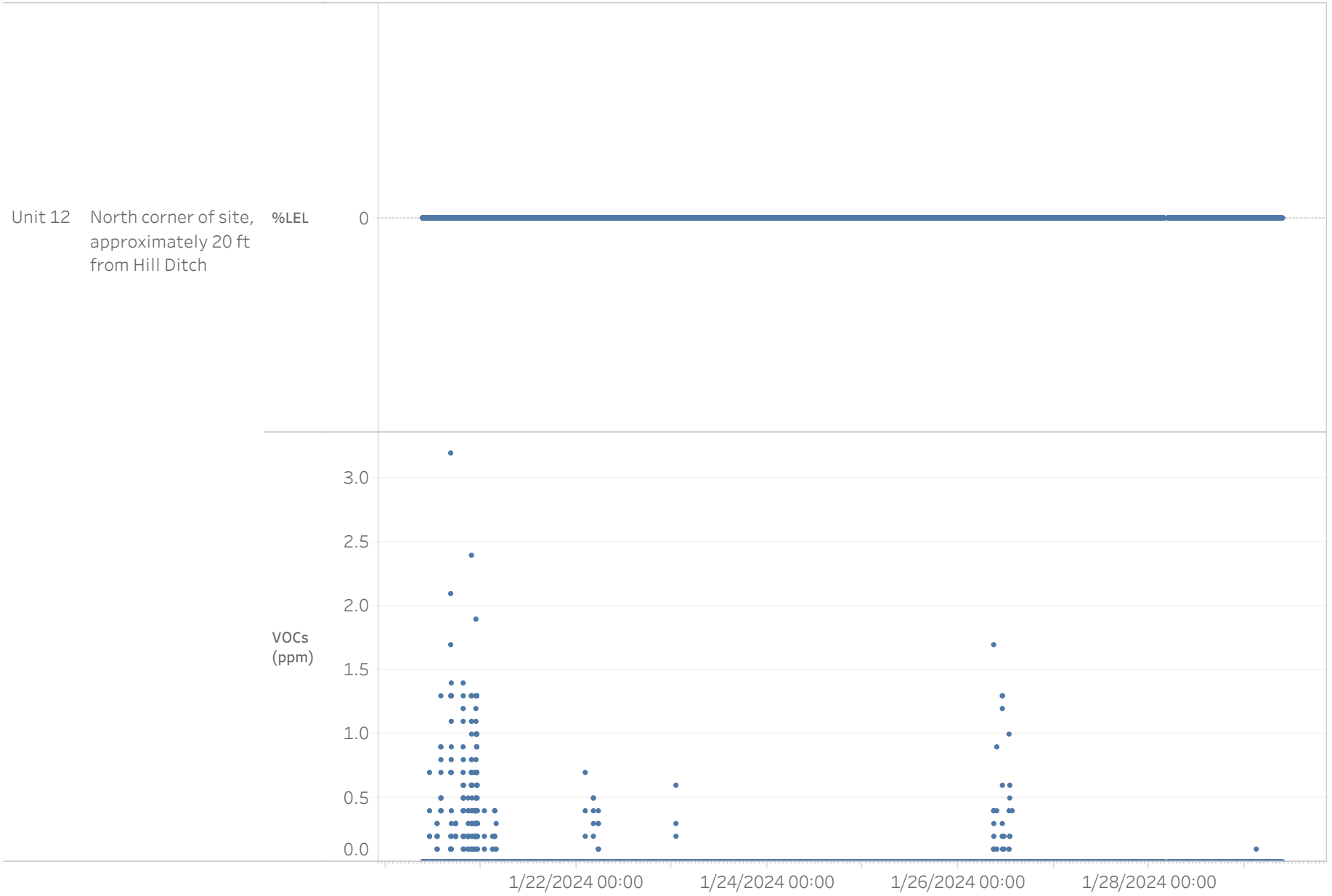
AreaRAE Unit 11 | 12/19/2023 06:00 to 1/20/2024 09:14



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

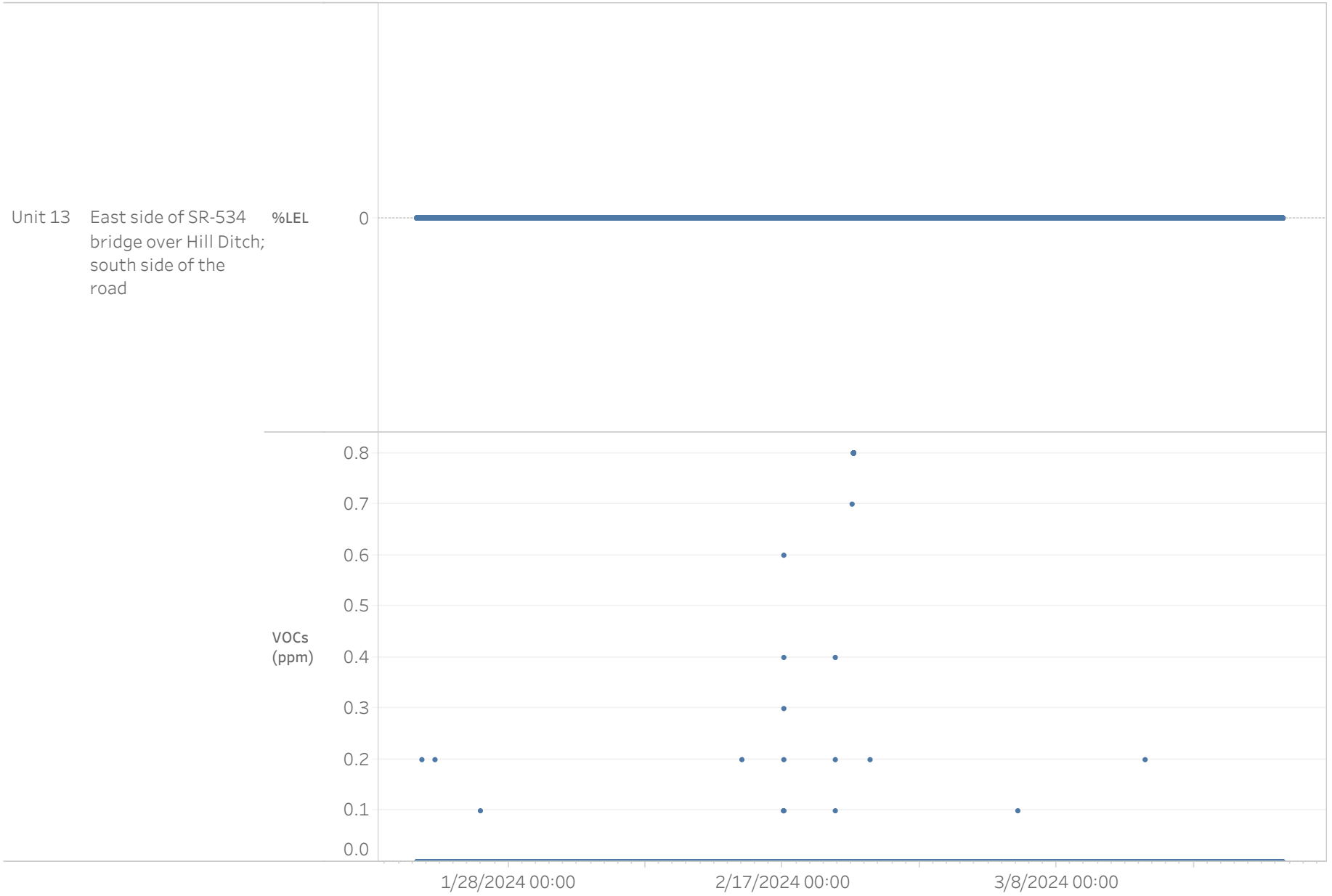
AreaRAE Unit 12 | 1/20/2024 09:14 to 1/29/2024 09:29



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olypmic Pipeline Gasoline Spill - Conway, WA

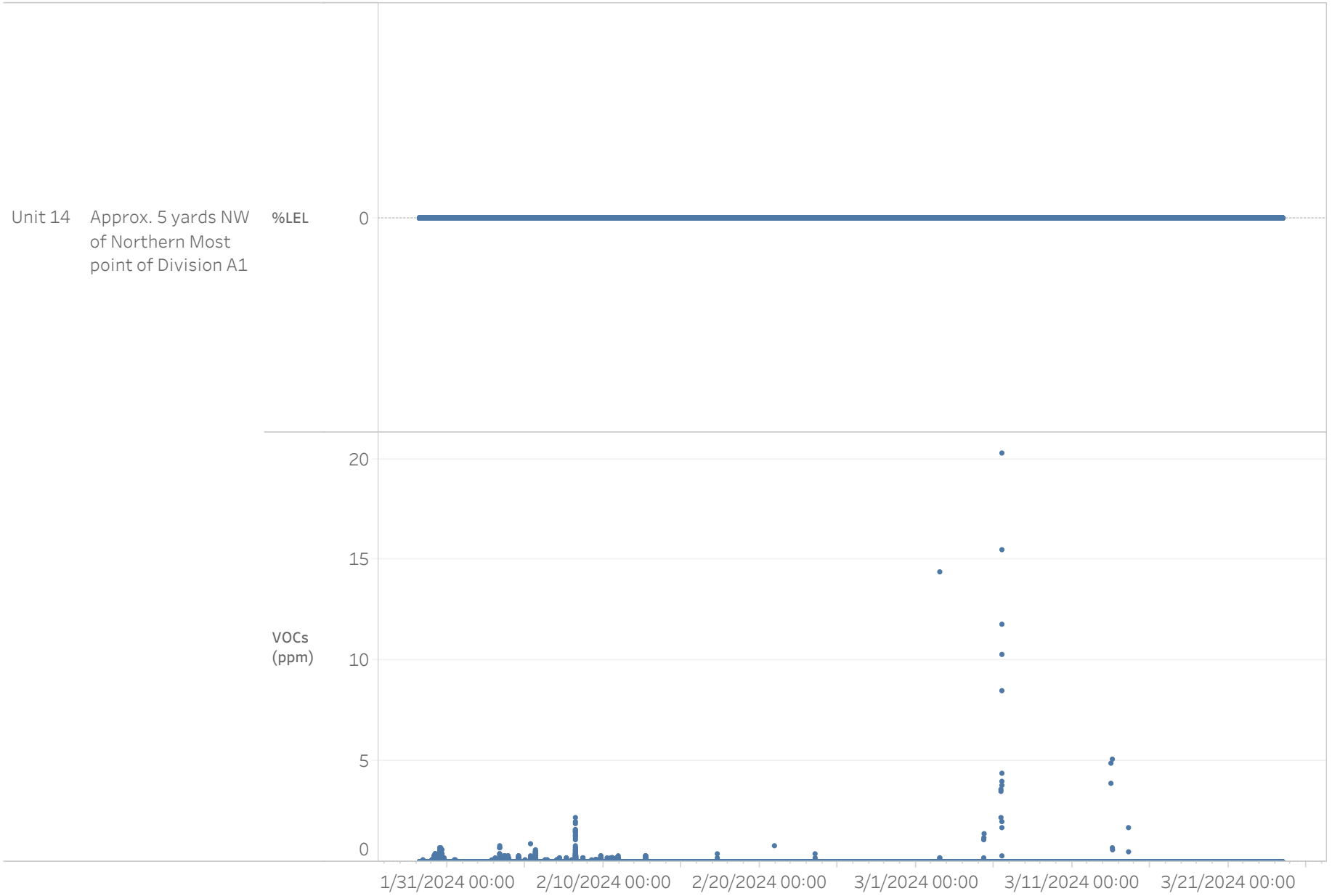
AreaRAE Unit 13 | 1/21/2024 16:57 to 3/24/2024 10:43



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

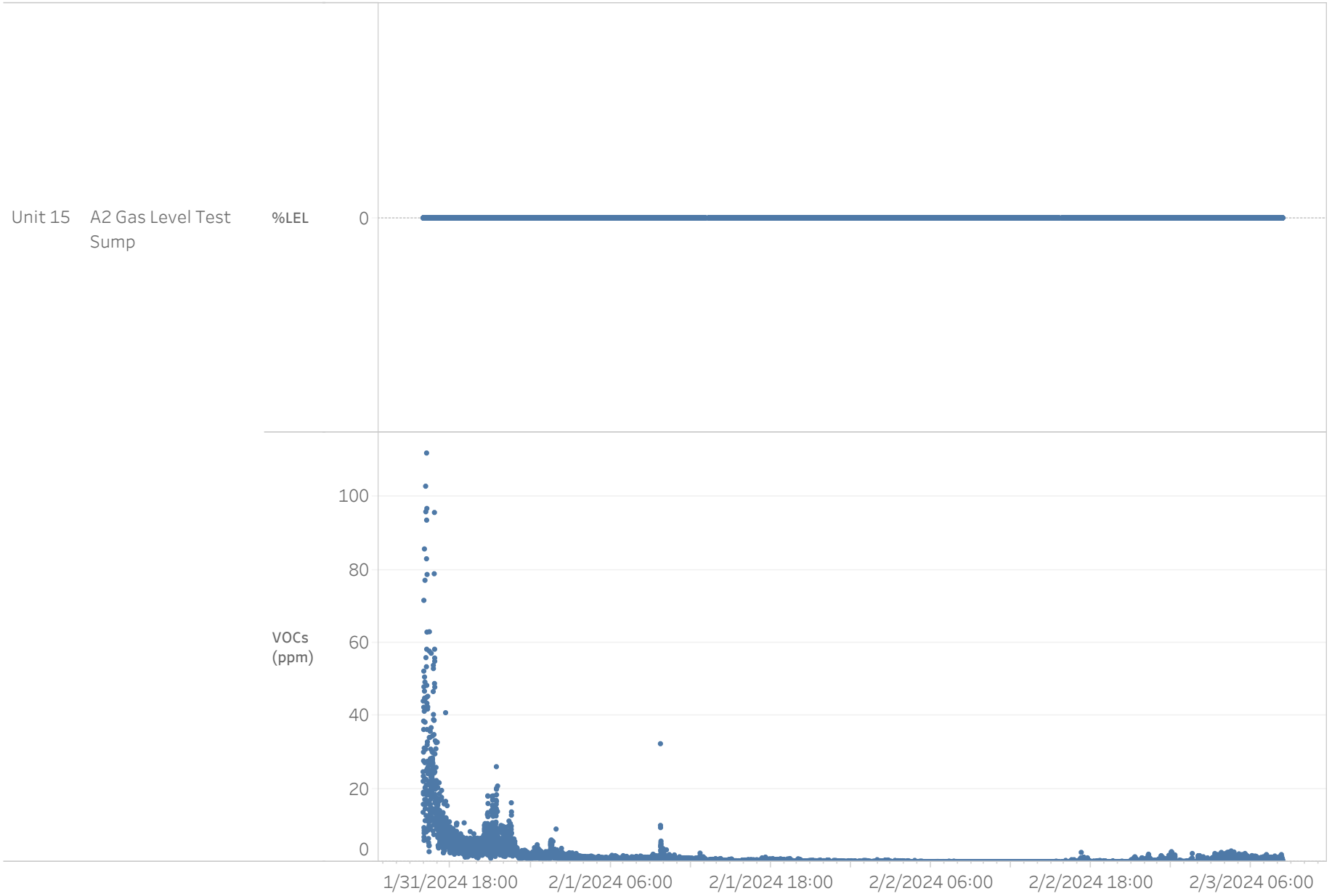
AreaRAE Unit 14 | 1/29/2024 09:29 to 3/24/2024 10:43



Remote-telemetered Real-time Air Monitoring Readings

PROJ-032692 | Olypmic Pipeline Gasoline Spill - Conway, WA

AreaRAE Unit 15 | 1/31/2024 15:53 to 2/3/2024 08:18



Appendix D

Analytical Sampling Data Summary

Analytical Air Sampling Stations

Olympic Pipeline Gasoline Spill | December 12, 2023 - March 24, 2024

0 100 200 400 Feet

N

Project: PROJ-032692
Client: BP
City: Conway, WA
County: Skagit

Projection: NAD 1983 2011 UTM Zone 10N Datum: NAD 1983 2011

Updated At: 9/16/2024 12:08 PM

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			12/13/2023	12/14/2023	12/15/2023	12/16/2023	12/17/2023	12/18/2023		12/19/2023		12/20/2023
Analytical Method	Analyte	Screening Value	MTWA1212MC001	MTWA1213MC001	MTWA1214MC001	MTWA1215MC001	MTWA1216MC001	MTWA1217MC001	MTWA1217MC001D	MTWA1218MC001	MTWA1218MC001D	MTWA1219MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	1.8 ppbv	0.523 ppbv (B)	0.596 ppbv	2.05 ppbv	0.793 ppbv	0.39 ppbv (J)	0.154 ppbv (J)	0.477 ppbv	0.373 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	0.846 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	0.509 ppbv	0.186 ppbv (J)	0.195 ppbv (J)	0.656 ppbv	0.25 ppbv	0.117 ppbv (J)	< 0.0779 ppbv	0.149 ppbv (J)	0.121 ppbv (J)	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.479 ppbv (J)	0.42 ppbv (J)	0.301 ppbv (J)	0.217 ppbv (J)	0.304 ppbv (J)	0.341 ppbv (J)	0.317 ppbv (J)	0.336 ppbv (J)	0.149 ppbv (J)	0.319 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.855 ppbv (J)	0.865 ppbv (J)	1.34 ppbv	0.908 ppbv (BJ)	0.952 ppbv (J)	1.21 ppbv (J)	33.4 ppbv (J)	0.912 ppbv (J)	0.984 ppbv (J)	19.6 ppbv
	2,2,4-Trimethylpentane	NA	0.493 ppbv	0.262 ppbv	0.45 ppbv	0.928 ppbv	0.418 ppbv	0.32 ppbv	0.175 ppbv (J)	0.223 ppbv	0.229 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	0.493 ppbv (B)	< 0.0783 ppbv	0.195 ppbv (J)	0.61 ppbv	0.266 ppbv	0.133 ppbv (J)	< 0.0783 ppbv	0.134 ppbv (J)	0.13 ppbv (J)	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.15 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	3.37 ppbv	5.33 ppbv	2.87 ppbv	4.01 ppbv	4.81 ppbv	4.31 ppbv (J)	8.94 ppbv (J)	7.27 ppbv (J)	2.68 ppbv (J)	9.15 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	0.499 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.679 ppbv	0.563 ppbv	0.502 ppbv	0.824 ppbv	0.641 ppbv	0.402 ppbv	0.362 ppbv	0.583 ppbv	0.447 ppbv	0.249 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	3.5 ppbv	1.15 ppbv	2.21 ppbv	3.94 ppbv	2.07 ppbv	3.18 ppbv	3.09 ppbv	1.6 ppbv	1.69 ppbv	17 ppbv
	Carbon disulfide	300 ppb [2]	0.212 ppbv	0.113 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	0.128 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	0.109 ppbv (J)
	Chloromethane	300 ppb [1]	0.421 ppbv	1.13 ppbv	0.493 ppbv	0.542 ppbv	0.539 ppbv	0.47 ppbv	0.565 ppbv	0.682 ppbv	0.542 ppbv	0.588 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	2.97 ppbv	1.72 ppbv	2.58 ppbv	5.71 ppbv	2.4 ppbv	1.51 ppbv (J)	0.378 ppbv (J)	1.17 ppbv	1.23 ppbv	0.137 ppbv (J)
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.323 ppbv	0.388 ppbv	0.41 ppbv	0.491 ppbv	0.401 ppbv	0.448 ppbv	0.462 ppbv	0.45 ppbv	0.459 ppbv	0.464 ppbv
	Ethanol	NA	7.76 ppbv	13 ppbv	8.62 ppbv	6.93 ppbv	6.88 ppbv	5.16 ppbv (J)	181 ppbv (J)	7.32 ppbv (J)	10.5 ppbv (J)	202 ppbv (E)
	Ethylbenzene	2000 ppb [1]	1.83 ppbv	0.825 ppbv	1.09 ppbv	3.05 ppbv	1.16 ppbv	0.761 ppbv (J)	0.227 ppbv (J)	0.604 ppbv	0.604 ppbv	0.108 ppbv (J)
	Heptane	43.92 ppb [4]	2.57 ppbv	1.43 ppbv	2.55 ppbv	5.82 ppbv	2.53 ppbv	1.65 ppbv (J)	0.497 ppbv (J)	1.26 ppbv	1.28 ppbv	0.226 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	0.148 ppbv (J)	0.221 ppbv	< 0.0777 ppbv	0.23 ppbv	0.193 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv	0.118 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	6.34 ppbv	2.75 ppbv	3.59 ppbv	10.5 ppbv	3.88 ppbv	2.45 ppbv (J)	0.696 ppbv (J)	2.12 ppbv	2.01 ppbv	0.327 ppbv (J)
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.227 ppbv	0.222 ppbv	0.381 ppbv	0.312 ppbv	0.348 ppbv	< 0.305 ppbv	5.19 ppbv (J)	< 0.368 ppbv	< 0.348 ppbv	2.62 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	0.143 ppbv (J)	< 0.0784 ppbv	< 0.0784 ppbv	0.132 ppbv (JJ4)	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	2.48 ppbv	1.15 ppbv	2.14 ppbv	4.41 ppbv	2.04 ppbv	1.31 ppbv	1.3 ppbv	1.15 ppbv	1.08 ppbv	0.555 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	0.419 ppbv	0.174 ppbv (J)	0.252 ppbv	0.713 ppbv	0.287 ppbv	0.15 ppbv (J)	< 0.0363 ppbv	0.136 ppbv (J)	0.147 ppbv (J)	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			12/20/2023	12/21/2023		12/22/2023		12/23/2023				12/24/2023
Analytical Method	Analyte	Screening Value	MTWA1219MC001D	MTWA1220MC001	MTWA1220MC001D	MTWA1221MC001	MTWA1221MC001D	MTWA1222MC001	MTWA1222MC001D	MTWA1223MC001	MTWA1223MC001D	MTWA1223MC001B
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	0.0984 ppbv (J)	0.199 ppbv (J)	0.323 ppbv	0.0995 ppbv (J)	0.235 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.312 ppbv	0.307 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	0.115 ppbv (J)	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	0.0949 ppbv (J)	0.0898 ppbv (J)	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.256 ppbv (J)	0.273 ppbv (J)	0.348 ppbv (J)	0.517 ppbv (J)	0.317 ppbv (J)	0.614 ppbv (J)	0.256 ppbv (J)	0.262 ppbv (J)	0.501 ppbv (J)	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.556 ppbv (J)	15.7 ppbv	1.57 ppbv	6.83 ppbv (J)	0.901 ppbv (J)	1.39 ppbv	0.922 ppbv (J)	< 0.839 ppbv	< 0.892 ppbv	2 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	0.211 ppbv	0.184 ppbv (J)	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.138 ppbv (J)	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	0.108 ppbv (J)	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.101 ppbv (J)	0.0792 ppbv (J)	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.207 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.249 ppbv (J)	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.75 ppbv	6.59 ppbv	7.16 ppbv	9.11 ppbv (J)	3.56 ppbv (J)	5.58 ppbv (J)	3.89 ppbv (J)	2.07 ppbv (J)	4.15 ppbv (J)	3.14 ppbv
	Acetonitrile	16.08 ppb [4]	0.319 ppbv (J)	< 0.235 ppbv	0.272 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	0.284 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	2.74 ppbv (J)	< 0.226 ppbv	2.34 ppbv (J)	< 0.226 ppbv	6.26 ppbv (J)	2.85 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.231 ppbv	0.356 ppbv	0.407 ppbv	0.302 ppbv	0.265 ppbv	0.208 ppbv	0.294 ppbv	0.361 ppbv	0.412 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.639 ppbv (B)	7.28 ppbv	2.28 ppbv	2.38 ppbv (J)	1.18 ppbv (J)	0.435 ppbv	0.42 ppbv	1.26 ppbv	1.16 ppbv	0.979 ppbv (J4)
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.13 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.13 ppbv (J)	0.115 ppbv (J)	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0788 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0752 ppbv (J)	0.0748 ppbv (J)	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.108 ppbv (J)	< 0.0996 ppbv	0.477 ppbv (J)	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	0.1 ppbv (J)	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.55 ppbv	0.592 ppbv	0.511 ppbv	0.764 ppbv (J)	0.49 ppbv (J)	0.509 ppbv	0.631 ppbv	0.676 ppbv	0.596 ppbv	0.483 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	0.312 ppbv	0.524 ppbv	1.06 ppbv	0.203 ppbv (J)	0.535 ppbv (J)	< 0.0753 ppbv	< 0.0753 ppbv	0.767 ppbv	0.772 ppbv	0.272 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.474 ppbv	0.48 ppbv	0.48 ppbv	0.536 ppbv	0.457 ppbv	0.443 ppbv	0.459 ppbv	0.49 ppbv	0.525 ppbv	0.424 ppbv
	Ethanol	NA	8.48 ppbv	205 ppbv (E)	14.1 ppbv	118 ppbv (J)	12.2 ppbv (J)	12.7 ppbv (J)	19.8 ppbv (J)	10.7 ppbv	10.9 ppbv	5.09 ppbv (B)
	Ethylbenzene	2000 ppb [1]	0.178 ppbv (J)	0.339 ppbv	0.573 ppbv	0.129 ppbv (J)	0.288 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.443 ppbv	0.448 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	0.34 ppbv	0.668 ppbv	1.02 ppbv	0.186 ppbv (J)	0.5 ppbv (J)	< 0.104 ppbv	0.138 ppbv (J)	0.795 ppbv	0.774 ppbv	0.222 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.155 ppbv (J)	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	0.571 ppbv	1.03 ppbv	1.87 ppbv	0.392 ppbv (J)	0.924 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	1.51 ppbv	1.61 ppbv	0.58 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.293 ppbv (B)	5.57 ppbv	0.529 ppbv (B)	22 ppbv (J)	< 0.401 ppbv	< 0.405 ppbv	< 0.409 ppbv	0.373 ppbv	0.385 ppbv	0.358 ppbv (B)
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.139 ppbv (J)	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	0.327 ppbv (J)	1.64 ppbv	0.869 ppbv	1.38 ppbv (J)	0.518 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	0.623 ppbv (J)	0.611 ppbv (J)	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	0.1 ppbv (J)	0.123 ppbv (J)	< 0.0363 ppbv	0.0821 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			12/25/2023	12/26/2023	12/27/2023	12/28/2023	12/29/2023	12/30/2023	12/31/2023	1/1/2024		1/2/2024
Analytical Method	Analyte	Screening Value	MTWA1224MC001	MTWA1225MC001	MTWA1226MC001	MTWA1227MC001	MTWA1228MC001	MTWA1229MC001	MTWA1230MC001	MTWA1231MC001	MTWA1231MC001CL	MTWA0101MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	0.144 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.137 ppbv (J)	0.0848 ppbv (J)	0.0914 ppbv (J)	0.258 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.198 ppbv (J)	0.486 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	0.188 ppbv (J)	0.284 ppbv (J)	0.148 ppbv (J)	0.562 ppbv (J)	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.5 ppbv	0.422 ppbv (J)	0.711 ppbv (J)	< 0.264 ppbv	< 0.264 ppbv	1.53 ppbv	25.6 ppbv	0.475 ppbv (J)	1.13 ppbv (J)	2.25 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.395 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.0925 ppbv (J)	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.02 ppbv	2.61 ppbv	5.21 ppbv	4.32 ppbv	5.92 ppbv	2.78 ppbv	11.4 ppbv	4.03 ppbv (J)	10.4 ppbv (J)	7.16 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	0.277 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	2.85 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	1.82 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.168 ppbv (J)	0.283 ppbv	0.396 ppbv	0.34 ppbv	0.146 ppbv (J)	0.583 ppbv	0.278 ppbv (J)	1.09 ppbv (J)	0.476 ppbv (B)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.516 ppbv (J4)	0.332 ppbv	0.686 ppbv	0.311 ppbv	0.721 ppbv	0.363 ppbv	8.86 ppbv	0.688 ppbv	0.697 ppbv	1.96 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.113 ppbv (J)	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0751 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.144 ppbv (J)	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.513 ppbv	0.547 ppbv	0.517 ppbv	1.03 ppbv	0.497 ppbv	0.494 ppbv	0.473 ppbv	0.435 ppbv (J)	2.11 ppbv (J)	0.561 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	0.266 ppbv	< 0.0753 ppbv	0.224 ppbv	< 0.0753 ppbv	0.34 ppbv	0.16 ppbv (J)	0.188 ppbv (J)	0.745 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.422 ppbv	0.429 ppbv	0.433 ppbv	0.404 ppbv	0.433 ppbv	0.461 ppbv	0.48 ppbv	0.488 ppbv	0.49 ppbv	0.435 ppbv
	Ethanol	NA	6.97 ppbv (B)	5.99 ppbv	11.7 ppbv	7.59 ppbv	21.9 ppbv	8.3 ppbv	165 ppbv (J)	3.9 ppbv (J)	10.5 ppbv (J)	17.8 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	0.152 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.207 ppbv	0.114 ppbv (J)	0.0903 ppbv (J)	0.352 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	0.26 ppbv	< 0.104 ppbv	0.224 ppbv	< 0.104 ppbv	0.751 ppbv	0.125 ppbv (J)	0.186 ppbv (J)	0.586 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.293 ppbv (J)	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	0.514 ppbv	< 0.135 ppbv	0.473 ppbv	0.145 ppbv (J)	0.62 ppbv	0.436 ppbv	0.32 ppbv (J)	1.08 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.581 ppbv (B)	0.251 ppbv	0.218 ppbv	0.232 ppbv	0.314 ppbv	0.296 ppbv	29.4 ppbv	0.306 ppbv	0.3 ppbv	0.445 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	0.222 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	15.2 ppbv	0.209 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.0744 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/3/2024		1/4/2024	1/5/2024	1/6/2024	1/7/2024		1/8/2024	1/9/2024	1/10/2024
Analytical Method	Analyte	Screening Value	MTWA0102MC001	MTWA0102MC001CL	MTWA0103MC001	MTWA0104MC001	MTWA0105MC001	MTWA0106MC001	MTWA0106MC001CL	MTWA0107MC001	MTWA0108MC001	MTWA0109MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.225 ppbv (J)	0.124 ppbv (J)	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	0.576 ppbv (J)	0.542 ppbv (J)	0.897 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	5.6 ppbv	4 ppbv	2.27 ppbv	3.19 ppbv	8.23 ppbv	4.88 ppbv	3.77 ppbv	3.15 ppbv	1.9 ppbv	2.37 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.276 ppbv	0.351 ppbv	0.373 ppbv	0.356 ppbv	< 0.116 ppbv	0.108 ppbv (J)	0.166 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.793 ppbv	0.535 ppbv	0.468 ppbv	1.06 ppbv	0.635 ppbv (B)	0.835 ppbv	0.897 ppbv	0.338 ppbv	0.394 ppbv	0.474 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.439 ppbv	0.457 ppbv	0.514 ppbv	0.504 ppbv	0.6 ppbv	0.574 ppbv	0.653 ppbv	0.553 ppbv	0.516 ppbv	0.569 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.454 ppbv	0.44 ppbv	0.403 ppbv	0.319 ppbv	0.439 ppbv	0.518 ppbv	0.522 ppbv	0.507 ppbv	0.44 ppbv	0.418 ppbv
	Ethanol	NA	6.39 ppbv	7.85 ppbv	2.67 ppbv (B)	33.1 ppbv	8.79 ppbv (B)	7.35 ppbv	7.95 ppbv	3.05 ppbv	3.9 ppbv	2.22 ppbv (J)
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.203 ppbv	0.249 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.418 ppbv	0.416 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.271 ppbv	0.256 ppbv	0.247 ppbv	0.454 ppbv	< 0.0979 ppbv	0.218 ppbv	< 0.0979 ppbv	0.179 ppbv (J)	0.191 ppbv (J)	< 0.0979 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	0.56 ppbv (J)	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/11/2024		1/17/2024		1/20/2024		1/21/2024		1/22/2024	1/23/2024
Analytical Method	Analyte	Screening Value	MTWA0110MC001	MTWA0110MC001CL	MTWA0116MC001	MTWA0116MC001CL	MTWA0119MC001	MTWA0120MC001	MTWA0120MC001B	MTWA0120MC001CLB	MTWA0121MC001	MTWA0122MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.166 ppbv (J)	0.319 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.88 ppbv	1.04 ppbv (J)	92.7 ppbv	80.9 ppbv	< 0.264 ppbv	< 0.264 ppbv	2.18 ppbv	< 0.264 ppbv	7.59 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	0.251 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.291 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	3.97 ppbv	3.72 ppbv	3.63 ppbv	11.6 ppbv	3.46 ppbv	6.29 ppbv	18.6 ppbv	12.6 ppbv	16 ppbv	3.14 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.15 ppbv (J)	0.848 ppbv (J)	0.262 ppbv	0.623 ppbv	0.284 ppbv	0.382 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.547 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.794 ppbv	0.923 ppbv	0.86 ppbv	0.983 ppbv	1.24 ppbv	1.53 ppbv	0.986 ppbv	0.666 ppbv	2.7 ppbv	0.386 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.544 ppbv	0.424 ppbv	0.443 ppbv	1.12 ppbv	0.506 ppbv	0.667 ppbv	0.58 ppbv	0.56 ppbv	< 0.103 ppbv	0.391 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.109 ppbv (J)	0.268 ppbv	< 0.0753 ppbv	0.258 ppbv	0.493 ppbv	0.708 ppbv	< 0.0753 ppbv	0.205 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	< 0.492 ppbv	0.328 ppbv	0.37 ppbv	0.409 ppbv	0.441 ppbv	0.412 ppbv	0.446 ppbv	0.471 ppbv	0.387 ppbv	0.336 ppbv
	Ethanol	NA	11.1 ppbv (J)	3.82 ppbv (J)	18.8 ppbv	26.1 ppbv	4.61 ppbv	12.9 ppbv	11.6 ppbv	8.66 ppbv	22.8 ppbv	4.96 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.189 ppbv (J)	< 0.104 ppbv	0.226 ppbv	0.245 ppbv	0.397 ppbv	0.252 ppbv	< 0.104 ppbv	0.312 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.218 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.61 ppbv	0.559 ppbv	< 0.135 ppbv	0.431 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.67 ppbv (J)	0.288 ppbv (J)	0.402 ppbv	0.267 ppbv	0.218 ppbv	0.433 ppbv	0.384 ppbv	0.221 ppbv	< 0.0979 ppbv	< 0.0979 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	0.211 ppbv (J)	0.376 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/23/2024		1/24/2024	1/25/2024	1/26/2024		1/27/2024	1/28/2024	1/29/2024	
Analytical Method	Analyte	Screening Value	MTWA0123MC001	MTWA0123MC001CL	MTWA0123MC001B	MTWA0124MC001	MTWA0125MC001	MTWA0126MC001	MTWA0126MC001B	MTWA0127MC001	MTWA0128MC001	MTWA0129MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.7 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.76 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.89 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 1.04 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	22.5 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 2.64 ppbv	1.66 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 1.33 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.28 ppbv	3.26 ppbv	5.02 ppbv	3.02 ppbv	18.3 ppbv	4.22 ppbv	5.29 ppbv	12.6 ppbv	< 5.84 ppbv	5.79 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 2.35 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 2.26 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 1.14 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.239 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	1.43 ppbv	< 0.715 ppbv	0.294 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 2.16 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.982 ppbv	< 0.0982 ppbv
	Butane	NA	0.79 ppbv	0.527 ppbv	0.523 ppbv	0.349 ppbv	0.353 ppbv	0.29 ppbv	0.297 ppbv	< 0.0522 ppbv	< 0.522 ppbv	0.422 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 1.02 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.5 ppbv	0.496 ppbv	0.497 ppbv	0.514 ppbv	0.669 ppbv	0.504 ppbv	0.532 ppbv	2.21 ppbv	< 1.03 ppbv	0.843 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.427 ppbv	0.398 ppbv	0.405 ppbv	0.369 ppbv	0.448 ppbv	0.439 ppbv	0.448 ppbv	0.496 ppbv	< 1.37 ppbv	0.451 ppbv
	Ethanol	NA	15.9 ppbv	7.9 ppbv	8.05 ppbv	3.83 ppbv	5.26 ppbv	4.09 ppbv	20.2 ppbv	6.76 ppbv	< 2.65 ppbv	21 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 1.04 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.734 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 1.33 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.281 ppbv	0.36 ppbv	0.252 ppbv	< 0.0979 ppbv	0.312 ppbv	< 0.0979 ppbv	< 0.0979 ppbv	< 0.0979 ppbv	< 0.979 ppbv	0.247 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 2.06 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024	2/4/2024		2/5/2024	2/6/2024
Analytical Method	Analyte	Screening Value	MTWA0129MC001B	MTWA0130MC001	MTWA0131MC001	MTWA0201MC001	MTWA0201MC001B	MTWA0202MC001	MTWA0203MC001	MTWA0204MC001	MTWA0204MC001B	MTWA0205MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.75 ppbv	1.48 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.98 ppbv	12.1 ppbv	3.93 ppbv	3.52 ppbv	3.14 ppbv	4.14 ppbv	8.04 ppbv	2.92 ppbv	2.27 ppbv	7.09 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	11.1 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.93 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.249 ppbv	0.237 ppbv	0.261 ppbv	0.809 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.856 ppbv	1.04 ppbv	0.584 ppbv	1.23 ppbv	0.556 ppbv	0.635 ppbv	0.839 ppbv	0.763 ppbv	1.16 ppbv	1.08 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	0.22 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.244 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	0.259 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.495 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.61 ppbv	2.4 ppbv	0.611 ppbv	0.553 ppbv	0.573 ppbv	0.565 ppbv	0.655 ppbv	0.611 ppbv	0.545 ppbv	0.968 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.375 ppbv	0.576 ppbv	0.484 ppbv	0.475 ppbv	0.399 ppbv	0.226 ppbv	0.54 ppbv (J3J4)	0.208 ppbv (J3J4)	0.531 ppbv (J3J4)	0.509 ppbv
	Ethanol	NA	6.89 ppbv	22.6 ppbv	11 ppbv	7.75 ppbv	8.36 ppbv	7.85 ppbv	27 ppbv	39.2 ppbv	22.9 ppbv	29.7 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	0.465 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.246 ppbv	0.408 ppbv	< 0.0979 ppbv	< 0.0979 ppbv	0.296 ppbv	0.2 ppbv	0.302 ppbv	0.271 ppbv	0.453 ppbv	0.273 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			2/7/2024			2/8/2024	2/9/2024	2/10/2024		2/11/2024	2/12/2024	2/13/2024
Analytical Method	Analyte	Screening Value	MTWA0206MC001	MTWA0206MC001CL	MTWA0207MC001	MTWA0207MC001B	MTWA0208MC001	MTWA0209MC001	MTWA0210MC001	MTWA0210MC001B	MTWA0211MC001	MTWA0212MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	1.46 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	2.13 ppbv	2.03 ppbv	< 0.264 ppbv	1.32 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.211 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	5.95 ppbv	7.72 ppbv	2.77 ppbv	2.28 ppbv	3.37 ppbv	6.85 ppbv	6.62 ppbv	7.21 ppbv	2.33 ppbv	5.51 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.371 ppbv	0.487 ppbv	0.227 ppbv	< 0.0715 ppbv	0.214 ppbv	0.426 ppbv	0.3 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.247 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.812 ppbv	0.908 ppbv	1.14 ppbv	1.08 ppbv	0.809 ppbv	0.78 ppbv	0.953 ppbv	0.698 ppbv	0.619 ppbv	3.14 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	0.229 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.634 ppbv	0.616 ppbv	0.581 ppbv	0.52 ppbv	0.556 ppbv	0.766 ppbv	0.579 ppbv	0.616 ppbv	0.778 ppbv	0.649 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.225 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.462 ppbv	0.5 ppbv	0.264 ppbv	0.262 ppbv	0.56 ppbv	0.522 ppbv	0.488 ppbv	0.511 ppbv	0.57 ppbv	0.528 ppbv
	Ethanol	NA	21.5 ppbv	16.2 ppbv	38.7 ppbv	46.1 ppbv	12.7 ppbv	16 ppbv	163 ppbv (E)	44.9 ppbv	11.8 ppbv	34.5 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.238 ppbv	0.248 ppbv	0.251 ppbv	0.222 ppbv	< 0.0979 ppbv	< 0.0979 ppbv	0.279 ppbv	0.238 ppbv	0.281 ppbv	0.238 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			2/13/2024	2/14/2024	2/16/2024		2/17/2024	2/18/2024	2/19/2024		2/20/2024	2/21/2024
Analytical Method	Analyte	Screening Value	MTWA0213MC001	MTWA0213MC001B	MTWA0215MC001	MTWA0216MC001	MTWA0216MC001B	MTWA0217MC001	MTWA0218MC001	MTWA0218MC001CL	MTWA0219MC001	MTWA0220MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.0838 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	1.67 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.493 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.337 ppbv (J)	0.173 ppbv (J)	0.345 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.48 ppbv	1.34 ppbv	1.34 ppbv	3.22 ppbv	< 0.264 ppbv	< 0.264 ppbv	23.2 ppbv	0.497 ppbv (J)	1.61 ppbv (B)	1.13 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	7.75 ppbv	6.84 ppbv	5.09 ppbv	8.89 ppbv	3.05 ppbv	2.72 ppbv	6 ppbv	4.8 ppbv	2.3 ppbv	3.72 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	6.33 ppbv (J)	2.98 ppbv (J)	6.51 ppbv (B)	444 ppbv	1.52 ppbv (BJ)	< 0.235 ppbv	0.651 ppbv (BJ)
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.84 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	< 0.0715 ppbv	0.222 ppbv	0.214 ppbv	0.237 ppbv	0.174 ppbv (J)	0.424 ppbv	0.27 ppbv	0.215 ppbv	0.131 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.729 ppbv	0.852 ppbv	0.572 ppbv	0.848 ppbv	0.647 ppbv	0.758 ppbv	1.27 ppbv	0.735 ppbv	0.784 ppbv	0.356 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.286 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.105 ppbv (J)	< 0.102 ppbv	0.118 ppbv (J)
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0908 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.09 ppbv (J)	< 0.0732 ppbv	0.0824 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.595 ppbv	0.63 ppbv	0.495 ppbv	0.731 ppbv	0.61 ppbv	0.619 ppbv	0.766 ppbv	0.661 ppbv	0.504 ppbv	0.621 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.492 ppbv	0.565 ppbv	0.483 ppbv	0.425 ppbv	0.38 ppbv	0.514 ppbv	0.552 ppbv	0.573 ppbv	0.466 ppbv	0.421 ppbv
	Ethanol	NA	42.3 ppbv	11.7 ppbv	8.35 ppbv	16 ppbv	20.4 ppbv	5.25 ppbv	97.9 ppbv	12.9 ppbv	19.8 ppbv	5.1 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.164 ppbv (J)	0.448 ppbv	< 0.135 ppbv	0.238 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.209 ppbv	0.241 ppbv	0.229 ppbv	0.371 ppbv	0.286 ppbv	< 0.0979 ppbv	1.43 ppbv	0.219 ppbv	0.215 ppbv	0.269 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	1.31 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			2/22/2024	2/23/2024	2/24/2024	2/25/2024	2/26/2024	2/27/2024	2/28/2024	2/29/2024	3/1/2024	3/2/2024
Analytical Method	Analyte	Screening Value	MTWA0221MC001	MTWA0222MC001A	MTWA0223MC001	MTWA0224MC001	MTWA0225MC001	MTWA0226MC001	MTWA0227MC001	MTWA0228MC001	MTWA0229MC001	MTWA0301MC001
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	0.0809 ppbv (J)	< 0.0793 ppbv	0.0845 ppbv (J)	0.0851 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	0.0819 ppbv (J)	0.0826 ppbv (J)	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	0.0808 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	0.0796 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.268 ppbv (J)	0.4 ppbv (J)	0.277 ppbv (J)	0.289 ppbv (J)	0.153 ppbv (J)	0.221 ppbv (J)	0.204 ppbv (J)	0.387 ppbv (J)	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	2.01 ppbv (B)	2.14 ppbv	7.42 ppbv	0.547 ppbv (J)	0.688 ppbv (J)	0.704 ppbv (J)	3.45 ppbv	7.73 ppbv	1 ppbv (J)	0.688 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	0.453 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	0.153 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.135 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.08 ppbv	6.77 ppbv	8.81 ppbv	2.5 ppbv	2.29 ppbv	3.12 ppbv	3.78 ppbv	6.14 ppbv	4.82 ppbv	2.02 ppbv
	Acetonitrile	16.08 ppb [4]	6.05 ppbv (B)	13.2 ppbv	353 ppbv	5.28 ppbv (B)	5.01 ppbv (B)	< 0.235 ppbv	9.44 ppbv	3.44 ppbv (BJ)	0.758 ppbv (BJ)	0.951 ppbv (BJ)
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.466 ppbv	0.423 ppbv	0.196 ppbv (J)	0.176 ppbv (J)	0.173 ppbv (J)	0.155 ppbv (J)	0.141 ppbv (J)	0.204 ppbv	0.153 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	< 0.0522 ppbv	0.828 ppbv	2.64 ppbv	0.426 ppbv	0.625 ppbv	0.53 ppbv	0.968 ppbv	3.12 ppbv	0.59 ppbv	0.912 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.155 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	0.0879 ppbv (J)	0.0887 ppbv (J)	0.0821 ppbv (J)	0.091 ppbv (J)	0.0996 ppbv (J)	0.0738 ppbv (J)	< 0.0732 ppbv	0.0889 ppbv (J)	0.0819 ppbv (J)	0.102 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.615 ppbv	0.757 ppbv	0.743 ppbv	0.562 ppbv	0.559 ppbv	0.572 ppbv	0.61 ppbv	0.71 ppbv	0.674 ppbv	0.61 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.196 ppbv (J)	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.0943 ppbv (J)	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.54 ppbv	0.451 ppbv	0.565 ppbv	0.474 ppbv	0.436 ppbv	0.366 ppbv	0.413 ppbv	0.537 ppbv	0.559 ppbv	0.467 ppbv
	Ethanol	NA	5.59 ppbv (B)	17.4 ppbv	35.5 ppbv	5.91 ppbv	7.52 ppbv	5.36 ppbv	53.7 ppbv	47.6 ppbv	10.9 ppbv	9 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.141 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.194 ppbv (J)	< 0.135 ppbv	0.186 ppbv (J)	0.306 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	< 0.0979 ppbv	0.35 ppbv	16 ppbv	0.331 ppbv	0.226 ppbv	0.181 ppbv (J)	0.463 ppbv	1.62 ppbv	0.315 ppbv	0.265 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.121 ppbv (J)	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	4 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.304 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.063 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01			AS02						
			Across the street from driveway of 19651 Hwy 534			Conway School, northeast of basketball courts						
			3/3/2024	3/4/2024	3/5/2024	12/13/2023	12/14/2023	12/15/2023	12/16/2023	12/17/2023	12/18/2023	12/19/2023
Analytical Method	Analyte	Screening Value	MTWA0302MC001	MTWA0303MC001	MTWA0304MC001	MTWA1212MC002	MTWA1213MC002	MTWA1214MC002	MTWA1215MC002	MTWA1216MC002	MTWA1217MC002	MTWA1218MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	0.133 ppbv (J)	0.859 ppbv (B)	0.23 ppbv (B)	0.314 ppbv	0.736 ppbv	0.227 ppbv	0.159 ppbv (J)	0.29 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.237 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	0.238 ppbv	0.0886 ppbv (J)	0.101 ppbv (J)	0.225 ppbv	0.0781 ppbv (J)	< 0.0779 ppbv	0.0961 ppbv (J)
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.172 ppbv (J)	0.403 ppbv (J)	0.477 ppbv (J)	0.526 ppbv (J)	< 0.0814 ppbv	0.279 ppbv (J)	0.196 ppbv (J)	0.272 ppbv (J)	0.193 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	2.42 ppbv	1.7 ppbv	1.36 ppbv	0.812 ppbv (J)	1.23 ppbv (J)	0.962 ppbv (BJ)	1.01 ppbv (J)	0.744 ppbv (J)	0.836 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.255 ppbv	< 0.133 ppbv	0.255 ppbv	0.4 ppbv	0.162 ppbv (J)	0.145 ppbv (J)	0.133 ppbv (J)
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.11 ppbv (J)	0.239 ppbv	0.0857 ppbv (J)	< 0.0783 ppbv	0.0956 ppbv (J)
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	0.0812 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	1.67 ppbv	2.74 ppbv	3 ppbv	6.09 ppbv	3.92 ppbv	5.82 ppbv	< 0.584 ppbv	2.51 ppbv	3.8 ppbv	2.41 ppbv
	Acetonitrile	16.08 ppb [4]	0.289 ppbv (J)	0.299 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	0.356 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.106 ppbv (J)	0.145 ppbv (J)	0.198 ppbv (J)	0.61 ppbv	0.31 ppbv	0.438 ppbv	0.397 ppbv	0.27 ppbv	0.324 ppbv	0.553 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.319 ppbv	0.359 ppbv	0.545 ppbv	1.73 ppbv	0.548 ppbv	1.22 ppbv	1.87 ppbv	0.965 ppbv	2.27 ppbv	1.33 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.134 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	0.0771 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.157 ppbv (J)	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.574 ppbv	0.564 ppbv	0.686 ppbv	0.925 ppbv	0.534 ppbv	0.554 ppbv	0.523 ppbv	0.402 ppbv	0.481 ppbv	0.524 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	1.46 ppbv	0.668 ppbv	1.05 ppbv	2.35 ppbv	0.902 ppbv	0.66 ppbv	0.55 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.224 ppbv	0.476 ppbv	0.579 ppbv	0.356 ppbv	0.4 ppbv	0.429 ppbv	0.477 ppbv	0.398 ppbv	0.461 ppbv	0.449 ppbv
	Ethanol	NA	2.09 ppbv (J)	5.29 ppbv	20.5 ppbv	12.2 ppbv	9.28 ppbv	14.3 ppbv	5.43 ppbv	3.19 ppbv	8.25 ppbv	6.21 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.847 ppbv	0.364 ppbv	0.553 ppbv	1.27 ppbv	0.411 ppbv	0.324 ppbv	0.383 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	1.26 ppbv	0.672 ppbv	2.95 ppbv	2.55 ppbv	0.949 ppbv	0.678 ppbv	0.581 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.263 ppbv	0.12 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	0.268 ppbv (J)	2.85 ppbv	1.19 ppbv (B)	1.8 ppbv	4.25 ppbv	1.38 ppbv	0.956 ppbv	1.19 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	< 0.0979 ppbv	0.137 ppbv (J)	< 0.0979 ppbv	0.214 ppbv	0.134 ppbv (J)	0.366 ppbv	0.177 ppbv (J)	0.195 ppbv (J)	< 0.321 ppbv	< 0.539 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.0921 ppbv (J)	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	1.14 ppbv	0.511 ppbv (J)	0.988 ppbv	1.91 ppbv	0.776 ppbv	0.635 ppbv	0.59 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.211 ppbv	0.0952 ppbv (J)	0.165 ppbv (J)	0.298 ppbv	0.116 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			12/20/2023	12/21/2023	12/22/2023	12/23/2023		12/24/2023	12/25/2023	12/26/2023	12/27/2023	12/28/2023
Analytical Method	Analyte	Screening Value	MTWA1219MC002	MTWA1220MC002	MTWA1221MC002	MTWA1222MC002	MTWA1223MC002	MTWA1223MC002B	MTWA1224MC002	MTWA1225MC002	MTWA1226MC002	MTWA1227MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	0.242 ppbv	0.155 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	0.083 ppbv (J)	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.168 ppbv (J)	0.18 ppbv (J)	0.824 ppbv (J)	0.353 ppbv (J)	0.194 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	0.502 ppbv (J)	0.728 ppbv (J)	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.499 ppbv (J)	0.911 ppbv (J)	1.5 ppbv	0.837 ppbv (J)	1.14 ppbv (J)	2.07 ppbv	3.13 ppbv	0.728 ppbv (J)	0.694 ppbv (J)	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	0.142 ppbv (J)	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	0.0844 ppbv (J)	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.117 ppbv (J)	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.49 ppbv	3.26 ppbv	8.84 ppbv	3.31 ppbv	4.54 ppbv	3.98 ppbv	5.11 ppbv	5.55 ppbv	16.6 ppbv	4.24 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.99 ppbv (J)	5.1 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.121 ppbv (J)	0.282 ppbv	0.44 ppbv	0.218 ppbv	0.296 ppbv	0.234 ppbv	< 0.0715 ppbv	0.682 ppbv	0.327 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.55 ppbv (B)	1.64 ppbv	1.15 ppbv	0.431 ppbv	0.722 ppbv	0.799 ppbv (J4)	0.321 ppbv	0.313 ppbv	0.46 ppbv	0.3 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	0.138 ppbv (J)	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.324 ppbv	0.352 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.527 ppbv	0.466 ppbv	0.51 ppbv	0.521 ppbv	< 0.103 ppbv	0.493 ppbv	0.61 ppbv	0.637 ppbv	0.716 ppbv	0.479 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	0.147 ppbv (J)	0.712 ppbv	0.337 ppbv	< 0.0753 ppbv	0.243 ppbv	0.217 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.17 ppbv (J)	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.466 ppbv	0.473 ppbv	0.465 ppbv	0.456 ppbv	0.47 ppbv	0.429 ppbv	0.467 ppbv	0.415 ppbv	0.421 ppbv	0.431 ppbv
	Ethanol	NA	2.7 ppbv (B)	8.56 ppbv	16.7 ppbv	5.23 ppbv	7.41 ppbv	9.88 ppbv (B)	7.57 ppbv (B)	15.8 ppbv	16.7 ppbv	5.19 ppbv (B)
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	0.404 ppbv	0.189 ppbv (J)	< 0.0835 ppbv	0.117 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.11 ppbv (J)	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	0.174 ppbv (J)	0.773 ppbv	0.369 ppbv	< 0.104 ppbv	0.252 ppbv	0.204 ppbv	< 0.104 ppbv	0.115 ppbv (J)	0.21 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.282 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	0.191 ppbv (J)	1.35 ppbv	0.611 ppbv	< 0.135 ppbv	0.384 ppbv (J)	0.471 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.37 ppbv (J)	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	0.198 ppbv (J)	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.302 ppbv (B)	0.321 ppbv (B)	< 0.766 ppbv	< 0.345 ppbv	0.36 ppbv	0.379 ppbv (B)	0.332 ppbv	0.199 ppbv (J)	0.229 ppbv	0.245 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	0.215 ppbv (J)	0.703 ppbv	0.373 ppbv (J)	< 0.206 ppbv	0.328 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	0.0875 ppbv (J)	0.0591 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			12/29/2023	12/30/2023		12/31/2023	1/1/2024	1/2/2024	1/3/2024	1/4/2024		1/5/2024
Analytical Method	Analyte	Screening Value	MTWA1228MC002	MTWA1229MC002	MTWA1229MC002CL	MTWA1230MC002	MTWA1231MC002	MTWA0101MC002	MTWA0102MC002	MTWA0103MC002	MTWA0103MC002CL	MTWA0104MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.709 ppbv (J)	0.74 ppbv (J)	0.327 ppbv (J)	0.911 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	3.33 ppbv (J)	1.77 ppbv (J)	1.43 ppbv	1.06 ppbv (J)	< 0.264 ppbv	6.15 ppbv	2.07 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.435 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.73 ppbv	7.31 ppbv (J)	12.5 ppbv (J)	4.01 ppbv	15.9 ppbv	4.45 ppbv	3.72 ppbv	7.26 ppbv	4.43 ppbv	4.88 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	7.28 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.234 ppbv	0.312 ppbv	0.147 ppbv (J)	0.384 ppbv	0.393 ppbv (B)	< 0.0715 ppbv	< 0.0715 ppbv	0.302 ppbv	0.321 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.535 ppbv	2.16 ppbv (J)	0.392 ppbv (J)	0.509 ppbv	0.631 ppbv	1.01 ppbv	3.17 ppbv	0.443 ppbv	0.418 ppbv	0.476 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	0.0766 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	0.573 ppbv (J)	< 0.0996 ppbv	0.145 ppbv (J)	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.477 ppbv	0.526 ppbv	0.682 ppbv	0.508 ppbv	0.485 ppbv	0.789 ppbv	0.484 ppbv	0.513 ppbv	0.517 ppbv	0.503 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.0794 ppbv (J)	< 0.0753 ppbv	< 0.0753 ppbv	0.167 ppbv (J)	0.355 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.439 ppbv	0.466 ppbv	0.455 ppbv	0.491 ppbv	0.486 ppbv	0.428 ppbv	0.426 ppbv	0.444 ppbv	0.438 ppbv	0.314 ppbv
	Ethanol	NA	4.34 ppbv (B)	39.9 ppbv (J)	26.1 ppbv (J)	6.32 ppbv	17.4 ppbv	7.49 ppbv	40.8 ppbv	8.44 ppbv	5.74 ppbv (B)	9.4 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	0.124 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	0.117 ppbv (J)	< 0.104 ppbv	0.205 ppbv	0.289 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.443 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.324 ppbv (J)	0.513 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.274 ppbv	0.454 ppbv	0.345 ppbv	0.341 ppbv	0.271 ppbv	0.235 ppbv	0.48 ppbv	0.251 ppbv	0.265 ppbv	0.254 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.392 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			1/6/2024	1/7/2024	1/8/2024		1/9/2024	1/10/2024	1/11/2024	1/17/2024	1/20/2024	
Analytical Method	Analyte	Screening Value	MTWA0105MC002	MTWA0106MC002	MTWA0107MC002	MTWA0107MC002CL	MTWA0108MC002	MTWA0109MC002	MTWA0110MC002	MTWA0116MC002	MTWA0119MC002	MTWA0120MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.0835 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	0.277 ppbv (J)	0.16 ppbv (J)	0.16 ppbv (J)	< 0.0814 ppbv	0.292 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	1.43 ppbv	0.631 ppbv (J)	0.8 ppbv (J)	0.455 ppbv (J)	0.765 ppbv (J)	0.555 ppbv (J)	19.9 ppbv	< 0.264 ppbv	1.28 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.07 ppbv	2.21 ppbv	11 ppbv (J)	2.6 ppbv (J)	2.77 ppbv	3.73 ppbv	6.1 ppbv	2.81 ppbv	3.98 ppbv	9.08 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	3.52 ppbv (J)	< 0.226 ppbv	1.95 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.237 ppbv	< 0.14 ppbv	< 0.176 ppbv	0.224 ppbv	0.28 ppbv	0.436 ppbv	0.251 ppbv	0.315 ppbv	0.315 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.515 ppbv (B)	0.933 ppbv	0.38 ppbv	0.544 ppbv	0.424 ppbv	0.518 ppbv	0.545 ppbv	0.908 ppbv	1.91 ppbv	1.21 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	0.0768 ppbv (J)	0.0848 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	0.0747 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.502 ppbv	0.523 ppbv	0.532 ppbv	0.515 ppbv	1.01 ppbv	0.496 ppbv	0.541 ppbv	0.419 ppbv	0.545 ppbv	0.585 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.408 ppbv	0.236 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.445 ppbv	0.5 ppbv	0.502 ppbv	0.505 ppbv	0.446 ppbv	0.412 ppbv	0.413 ppbv	0.388 ppbv	0.503 ppbv	0.439 ppbv
	Ethanol	NA	3.45 ppbv (B)	17.9 ppbv	2.56 ppbv (J)	5.7 ppbv (J)	10.7 ppbv	5.33 ppbv	6.24 ppbv	17.6 ppbv	8.01 ppbv	31.7 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	0.286 ppbv	< 0.0835 ppbv	0.101 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.326 ppbv	0.2 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	1 ppbv	< 0.135 ppbv	0.27 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	0.156 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	< 0.0979 ppbv	0.205 ppbv	0.142 ppbv (J)	0.149 ppbv (J)	< 0.0979 ppbv	< 0.0979 ppbv	0.241 ppbv	0.205 ppbv	0.276 ppbv	0.306 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	0.388 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			1/21/2024	1/22/2024		1/23/2024		1/24/2024	1/25/2024	1/26/2024		1/27/2024
Analytical Method	Analyte	Screening Value	MTWA0120MC002B	MTWA0121MC002	MTWA0121MC002CL	MTWA0122MC002	MTWA0123MC002	MTWA0123MC002B	MTWA0124MC002	MTWA0125MC002	MTWA0126MC002	MTWA0126MC002B
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	17.3 ppbv	7.54 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.726 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	35.1 ppbv	5.29 ppbv	5.55 ppbv	4.3 ppbv	5.92 ppbv	8.44 ppbv	4.86 ppbv	4.7 ppbv	9.83 ppbv	5.71 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.496 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.231 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.789 ppbv	0.467 ppbv	0.325 ppbv	0.459 ppbv	0.599 ppbv	0.386 ppbv	0.67 ppbv	0.291 ppbv	1.59 ppbv	0.784 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.561 ppbv	0.588 ppbv	0.531 ppbv	0.404 ppbv	0.525 ppbv	0.556 ppbv	0.538 ppbv	0.486 ppbv	0.556 ppbv	0.542 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	0.215 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.433 ppbv	0.455 ppbv	0.44 ppbv	0.382 ppbv	0.413 ppbv	0.436 ppbv	0.385 ppbv	0.385 ppbv	0.464 ppbv	0.463 ppbv
	Ethanol	NA	8.23 ppbv	6.1 ppbv	4.05 ppbv (B)	4.7 ppbv	14.4 ppbv	13.4 ppbv	8.98 ppbv	6.63 ppbv	91.7 ppbv	69.3 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.337 ppbv	0.294 ppbv	< 0.0979 ppbv	< 0.0979 ppbv	0.288 ppbv	0.234 ppbv	0.239 ppbv	0.212 ppbv	1.05 ppbv	0.564 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			1/28/2024	1/29/2024		1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024	2/4/2024
Analytical Method	Analyte	Screening Value	MTWA0127MC002	MTWA0128MC002	MTWA0129MC002	MTWA0129MC002B	MTWA0130MC002	MTWA0131MC002	MTWA0201MC002	MTWA0201MC002B	MTWA0202MC002	MTWA0203MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	2.13 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	2.39 ppbv	2.45 ppbv	< 0.264 ppbv	1.38 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	7.11 ppbv	8.61 ppbv	4.76 ppbv	7.06 ppbv	13 ppbv	12.7 ppbv	26.3 ppbv	7.3 ppbv	2.94 ppbv	3.11 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	5.04 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.743 ppbv	< 0.0715 ppbv	0.781 ppbv	0.259 ppbv	0.416 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.259 ppbv	0.426 ppbv	0.259 ppbv (B)	0.843 ppbv	0.605 ppbv	0.328 ppbv	0.721 ppbv	0.731 ppbv	0.656 ppbv	1.27 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.718 ppbv	0.7 ppbv	0.5 ppbv	0.735 ppbv	1 ppbv	0.937 ppbv	0.651 ppbv	0.747 ppbv	0.458 ppbv	0.618 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.525 ppbv	0.51 ppbv	0.419 ppbv	0.42 ppbv	0.67 ppbv	0.501 ppbv	0.533 ppbv	0.464 ppbv	0.269 ppbv	0.49 ppbv (J3J4)
	Ethanol	NA	6.14 ppbv	17.4 ppbv	12.3 ppbv (B)	17.4 ppbv	19.6 ppbv	16.8 ppbv	21.9 ppbv	10.3 ppbv	12.8 ppbv	10.6 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.216 ppbv	0.242 ppbv	< 0.0979 ppbv	0.248 ppbv	0.285 ppbv	0.229 ppbv	< 0.0979 ppbv	0.253 ppbv	< 0.0979 ppbv	0.264 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/4/2024	2/5/2024	2/6/2024	2/7/2024		2/8/2024	2/9/2024	2/10/2024		
Analytical Method	Analyte	Screening Value	MTWA0204MC002	MTWA0204MC002B	MTWA0205MC002	MTWA0206MC002	MTWA0207MC002	MTWA0207MC002B	MTWA0208MC002	MTWA0209MC002	MTWA0209MC002CL	MTWA0210MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	1.31 ppbv	< 0.264 ppbv	< 0.264 ppbv	1.3 ppbv	< 0.264 ppbv	39.6 ppbv	2.23 ppbv	1.57 ppbv	2.08 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	3.29 ppbv	2.29 ppbv	17.9 ppbv	6.59 ppbv	2.44 ppbv	3.64 ppbv	9.92 ppbv	3.47 ppbv	1.94 ppbv	2.89 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	25 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.225 ppbv	< 0.0715 ppbv	0.421 ppbv	0.384 ppbv	< 0.0715 ppbv	0.237 ppbv	< 0.0715 ppbv	0.264 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.745 ppbv	1.03 ppbv	1.24 ppbv	0.797 ppbv	0.958 ppbv	0.888 ppbv	5.3 ppbv	1.47 ppbv	0.825 ppbv	0.826 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	1.44 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	0.293 ppbv	< 0.0996 ppbv	0.746 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.629 ppbv	0.554 ppbv	0.729 ppbv	0.561 ppbv	0.597 ppbv	0.624 ppbv	0.743 ppbv	0.462 ppbv	0.437 ppbv	0.55 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.492 ppbv (J3J4)	0.481 ppbv (J3J4)	0.489 ppbv	0.485 ppbv	0.273 ppbv	0.267 ppbv	0.55 ppbv	0.522 ppbv	0.538 ppbv	0.504 ppbv
	Ethanol	NA	35.7 ppbv	31.7 ppbv	24.4 ppbv	13.7 ppbv	23 ppbv	29.3 ppbv	361 ppbv (E)	13.4 ppbv	16 ppbv	16.6 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.247 ppbv	0.221 ppbv	0.228 ppbv	0.278 ppbv	< 0.0979 ppbv	0.21 ppbv	12.7 ppbv	0.219 ppbv	0.228 ppbv	0.322 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	1.03 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/11/2024	2/12/2024	2/13/2024		2/14/2024	2/16/2024		2/17/2024	2/18/2024	2/19/2024
Analytical Method	Analyte	Screening Value	MTWA0210MC002B	MTWA0211MC002	MTWA0212MC002	MTWA0213MC002	MTWA0213MC002B	MTWA0215MC002	MTWA0216MC002	MTWA0216MC002B	MTWA0217MC002	MTWA0218MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.0829 ppbv (J)
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.266 ppbv (J)	0.548 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	2.03 ppbv	1.73 ppbv	16.4 ppbv	2.37 ppbv	2.57 ppbv	4.8 ppbv	1.91 ppbv	< 0.264 ppbv	1.14 ppbv (J)	122 ppbv (E)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.113 ppbv (J)
	Acetone	8000 ppb [3]	7.27 ppbv	4.56 ppbv	8.14 ppbv	7.05 ppbv	4.14 ppbv	3.49 ppbv	7.08 ppbv	5.49 ppbv	2.85 ppbv	8.05 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	13.2 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 2.28 ppbv	3.22 ppbv (J)	1.28 ppbv (BJ)	266 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.203 ppbv	< 0.0715 ppbv	0.898 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.205 ppbv	0.264 ppbv	0.19 ppbv (J)	0.217 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.702 ppbv	1.03 ppbv	6.2 ppbv	0.681 ppbv	0.927 ppbv	1.39 ppbv	0.748 ppbv	0.628 ppbv	0.771 ppbv	24.6 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.125 ppbv (J)	0.14 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0911 ppbv (J)	0.0877 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.64 ppbv	0.733 ppbv	0.591 ppbv	1.99 ppbv	0.616 ppbv	0.436 ppbv	0.683 ppbv	0.699 ppbv	0.64 ppbv	0.674 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.894 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.503 ppbv	0.565 ppbv	0.547 ppbv	0.497 ppbv	0.533 ppbv	0.51 ppbv	0.462 ppbv	0.398 ppbv	0.493 ppbv	0.632 ppbv
	Ethanol	NA	75.5 ppbv	17.8 ppbv	191 ppbv (E)	16.6 ppbv	15.7 ppbv	28.7 ppbv	19.6 ppbv	16.2 ppbv	8.03 ppbv	410 ppbv (E)
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.639 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.151 ppbv (J)
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.272 ppbv	0.208 ppbv	9.15 ppbv	0.334 ppbv	0.235 ppbv	0.852 ppbv	0.527 ppbv	0.288 ppbv	0.272 ppbv	2.2 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	1.89 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.247 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/20/2024	2/21/2024		2/22/2024	2/23/2024		2/24/2024	2/25/2024	2/26/2024	2/27/2024
Analytical Method	Analyte	Screening Value	MTWA0219MC002	MTWA0220MC002	MTWA0221MC002A	MTWA0221MC002B	MTWA0222MC002	MTWA0222MC002CL	MTWA0223MC002	MTWA0224MC002	MTWA0225MC002	MTWA0226MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.082 ppbv (J)	0.0796 ppbv (J)	0.0822 ppbv (J)	0.0836 ppbv (J)	0.082 ppbv (J)	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	0.222 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.0784 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.415 ppbv (J)	1.1 ppbv (J)	89.4 ppbv	< 0.0814 ppbv	0.213 ppbv (J)	0.407 ppbv (J)	0.407 ppbv (J)	0.329 ppbv (J)	0.212 ppbv (J)	0.21 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.56 ppbv (B)	0.7 ppbv (J)	11.8 ppbv	3.69 ppbv (B)	2.59 ppbv	12.9 ppbv	1.34 ppbv	1.55 ppbv	0.739 ppbv (J)	1.16 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.374 ppbv	0.137 ppbv (J)	0.996 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.119 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.87 ppbv	10.6 ppbv	35.8 ppbv	6.59 ppbv	2.62 ppbv	6.03 ppbv	7.65 ppbv	3.64 ppbv	4.07 ppbv	4.21 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	6.84 ppbv (B)	322 ppbv	42.8 ppbv	140 ppbv	4.87 ppbv (J)	7.1 ppbv (B)	8.66 ppbv (B)	1.39 ppbv (J)
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.49 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.45 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.249 ppbv	0.27 ppbv	0.829 ppbv	0.138 ppbv (J)	0.155 ppbv (J)	0.138 ppbv (J)	0.454 ppbv	0.188 ppbv (J)	0.168 ppbv (J)	0.135 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.8 ppbv	0.469 ppbv	< 0.0522 ppbv	1.43 ppbv	0.707 ppbv	1.39 ppbv	0.672 ppbv	0.436 ppbv	0.434 ppbv	0.601 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	0.139 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	0.0765 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0989 ppbv (J)	0.0922 ppbv (J)	0.0841 ppbv (J)	0.106 ppbv (J)	0.0959 ppbv (J)	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	0.12 ppbv (J)	0.291 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.552 ppbv	0.687 ppbv	0.804 ppbv	0.598 ppbv	0.505 ppbv	0.582 ppbv	0.84 ppbv	0.58 ppbv	0.543 ppbv	0.616 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	4.96 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.0991 ppbv (J)	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.504 ppbv	0.431 ppbv	0.477 ppbv	0.475 ppbv	0.453 ppbv	0.441 ppbv	0.654 ppbv	0.448 ppbv	0.416 ppbv	0.396 ppbv
	Ethanol	NA	25.1 ppbv	31.6 ppbv	88.4 ppbv	28.1 ppbv	22.9 ppbv	170 ppbv (E)	11.4 ppbv	11.2 ppbv	5.34 ppbv	5.64 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	0.524 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	1.73 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.105 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.183 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	1.39 ppbv	< 0.135 ppbv	0.137 ppbv (J)	0.196 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	0.186 ppbv (J)	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.272 ppbv	0.295 ppbv	< 0.0979 ppbv	7.09 ppbv	0.268 ppbv	0.881 ppbv	0.353 ppbv	0.293 ppbv	0.37 ppbv	0.183 ppbv (J)
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	0.721 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	1.45 ppbv	< 0.206 ppbv	0.246 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	0.388 ppbv (J)	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	0.491 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/28/2024	2/29/2024	3/1/2024	3/2/2024		3/3/2024	3/4/2024	3/5/2024	3/6/2024	3/7/2024
Analytical Method	Analyte	Screening Value	MTWA0227MC002	MTWA0228MC002	MTWA0229MC002	MTWA0301MC002	MTWA0301MC002CL	MTWA0302MC002	MTWA0303MC002	MTWA0304MC002	MTWA0305MC002	MTWA0306MC002
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	0.0804 ppbv (J)	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.347 ppbv (J)	0.165 ppbv (J)	0.365 ppbv (J)	0.359 ppbv (J)	0.322 ppbv (J)	0.351 ppbv (J)	< 0.0814 ppbv	0.553 ppbv (J)	0.746 ppbv (J)	
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	1.32 ppbv	2.4 ppbv	2.8 ppbv	2.8 ppbv	1.39 ppbv	0.573 ppbv (J)	0.61 ppbv (J)	1.17 ppbv (J)	0.907 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	0.087 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	10.9 ppbv	2.52 ppbv	6.28 ppbv	3.72 ppbv	3 ppbv	6.35 ppbv	1.97 ppbv	2.19 ppbv	6.42 ppbv	14 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	1.23 ppbv (BJ)	0.817 ppbv (BJ)	0.79 ppbv (BJ)	0.782 ppbv (BJ)	0.58 ppbv (J)	0.378 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	0.915 ppbv (J)
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	9.27 ppbv	6.08 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.433 ppbv	0.126 ppbv (J)	0.172 ppbv (J)	0.208 ppbv	0.202 ppbv	0.439 ppbv	0.16 ppbv (J)	0.233 ppbv	0.294 ppbv	1.33 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.51 ppbv	1.11 ppbv	0.509 ppbv	0.454 ppbv	0.425 ppbv	0.866 ppbv	0.377 ppbv	0.595 ppbv	0.699 ppbv	0.821 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	0.0781 ppbv (J)	0.0826 ppbv (J)	0.0888 ppbv (J)	0.0871 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.683 ppbv	0.65 ppbv	0.683 ppbv	0.636 ppbv	0.625 ppbv	1.26 ppbv	0.573 ppbv	0.652 ppbv	0.843 ppbv	3.64 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.385 ppbv	0.56 ppbv	0.562 ppbv	0.465 ppbv	0.452 ppbv	0.277 ppbv	0.49 ppbv	0.577 ppbv	0.563 ppbv	0.568 ppbv
	Ethanol	NA	8.64 ppbv	10.8 ppbv	12.5 ppbv	15.7 ppbv	13.5 ppbv	15.7 ppbv	5.9 ppbv	6.08 ppbv	21.5 ppbv	20.9 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.104 ppbv (J)
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	0.0918 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.213 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.236 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.135 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.194 ppbv (J)
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.2 ppbv (J)	0.25 ppbv	0.255 ppbv	0.256 ppbv	0.28 ppbv	< 0.0979 ppbv	0.121 ppbv (J)	0.111 ppbv (J)	0.161 ppbv (J)	0.209 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.218 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	0.0597 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02			AS03						
			Conway School, northeast of basketball courts			Conway Hill Rd; 100 ft south of Hwy 534						
			3/8/2024	3/9/2024	3/10/2024	12/13/2023	12/14/2023	12/15/2023	12/16/2023	12/17/2023	12/18/2023	12/19/2023
Analytical Method	Analyte	Screening Value	MTWA0307MC002	MTWA0308MC002	MTWA0309MC002	MTWA1212MC003	MTWA1213MC003	MTWA1214MC003	MTWA1215MC003	MTWA1216MC003	MTWA1217MC003	MTWA1218MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	0.0858 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	2.43 ppbv	0.659 ppbv (B)	1.75 ppbv	4.22 ppbv	1.43 ppbv	1.18 ppbv	0.712 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	0.726 ppbv	0.227 ppbv	0.522 ppbv	1.29 ppbv	0.421 ppbv	0.373 ppbv	0.234 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.71 ppbv (J)	0.641 ppbv (J)	0.543 ppbv (J)	< 0.0814 ppbv	1.34 ppbv	0.788 ppbv (J)	0.422 ppbv (J)	0.584 ppbv (J)	0.233 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.75 ppbv	3.5 ppbv	< 1.93 ppbv	2.9 ppbv	0.589 ppbv (J)	1.21 ppbv (J)	1.72 ppbv (B)	8.92 ppbv	1.33 ppbv	7.16 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	0.15 ppbv (J)	0.147 ppbv (J)	0.715 ppbv	0.356 ppbv	0.845 ppbv	1.87 ppbv	0.735 ppbv	0.689 ppbv	0.373 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.491 ppbv (B)	< 0.0783 ppbv	0.596 ppbv	1.45 ppbv	0.492 ppbv	0.373 ppbv	0.236 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	3.99 ppbv	13 ppbv (J)	17.4 ppbv (J)	8.15 ppbv	1.62 ppbv	21.1 ppbv	15.6 ppbv	6.1 ppbv	8.64 ppbv	4.91 ppbv
	Acetonitrile	16.08 ppb [4]	0.72 ppbv (J)	1.38 ppbv (J)	1.33 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.49 ppbv (J)	1.36 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	1.23 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.171 ppbv (J)	0.344 ppbv	0.531 ppbv	0.833 ppbv	0.449 ppbv	1.35 ppbv	2.18 ppbv	0.64 ppbv	0.73 ppbv	0.433 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.927 ppbv	0.826 ppbv	< 0.0522 ppbv	3.23 ppbv	1.43 ppbv	3.48 ppbv	7.22 ppbv	3.03 ppbv	4.46 ppbv	4 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.158 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	0.0748 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0737 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	0.364 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.304 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.78 ppbv	0.781 ppbv	3.08 ppbv	0.437 ppbv	0.384 ppbv	0.618 ppbv	1.67 ppbv	0.454 ppbv	0.491 ppbv	0.533 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	4.11 ppbv	2.38 ppbv	4.87 ppbv	11.8 ppbv	4.06 ppbv	3.62 ppbv	1.79 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.627 ppbv	0.477 ppbv	0.478 ppbv	0.37 ppbv	0.3 ppbv	0.417 ppbv	0.479 ppbv	0.407 ppbv	0.454 ppbv	0.461 ppbv
	Ethanol	NA	20 ppbv	31.8 ppbv	14.5 ppbv	33.6 ppbv	11.3 ppbv	23.4 ppbv	20 ppbv	47.2 ppbv	15.4 ppbv	44 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	2.32 ppbv	1.21 ppbv	2.72 ppbv	6.04 ppbv	2.13 ppbv	2.03 ppbv	1.06 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.164 ppbv (J)	< 0.104 ppbv	3.51 ppbv	1.99 ppbv	6.08 ppbv	12 ppbv	4.36 ppbv	4.11 ppbv	2.02 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.202 ppbv	0.0867 ppbv (J)	0.17 ppbv (J)	0.473 ppbv	0.144 ppbv (J)	0.128 ppbv (J)	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	0.141 ppbv (J)	0.154 ppbv (J)	0.144 ppbv (J)	8.06 ppbv	4.17 ppbv	9.02 ppbv	20.5 ppbv	7.08 ppbv	6.84 ppbv	3.73 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	1.56 ppbv	0.514 ppbv	0.197 ppbv (J)	0.551 ppbv	0.186 ppbv (J)	0.485 ppbv	< 0.0979 ppbv	0.783 ppbv	< 0.414 ppbv	< 1.25 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.189 ppbv (J)	< 0.0784 ppbv	< 0.0784 ppbv	0.272 ppbv (J4)	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	3.04 ppbv	1.7 ppbv	4.34 ppbv	9.09 ppbv	3.57 ppbv	2.89 ppbv	1.7 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.541 ppbv	0.233 ppbv	0.664 ppbv	1.43 ppbv	0.551 ppbv	0.451 ppbv	0.274 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			12/20/2023	12/21/2023	12/22/2023	12/23/2023		12/24/2023		12/25/2023	12/26/2023	12/27/2023
Analytical Method	Analyte	Screening Value	MTWA1219MC003	MTWA1220MC003	MTWA1221MC003	MTWA1222MC003	MTWA1223MC003	MTWA1223MC003B	MTWA1223MC003BCL	MTWA1224MC003	MTWA1225MC003	MTWA1226MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	0.257 ppbv	0.709 ppbv	0.267 ppbv	< 0.0764 ppbv	0.461 ppbv	0.293 ppbv	0.383 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	0.0931 ppbv (J)	0.219 ppbv	0.0812 ppbv (J)	< 0.0779 ppbv	0.144 ppbv (J)	0.0857 ppbv (J)	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.212 ppbv (J)	0.218 ppbv (J)	0.42 ppbv (J)	0.657 ppbv (J)	0.544 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.682 ppbv (J)	0.45 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.694 ppbv (J)	0.744 ppbv (J)	< 0.883 ppbv	1.57 ppbv	< 0.848 ppbv	1.25 ppbv (J)	< 0.264 ppbv	1.66 ppbv	0.591 ppbv (J)	0.562 ppbv (J)
	2,2,4-Trimethylpentane	NA	0.186 ppbv (J)	0.306 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.15 ppbv (J)	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	0.0888 ppbv (J)	0.227 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.141 ppbv (J)	0.0985 ppbv (J)	0.379 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.65 ppbv	2.98 ppbv	3.2 ppbv	7.58 ppbv	4.68 ppbv	3.28 ppbv	2.62 ppbv	3.36 ppbv	42.6 ppbv	4.66 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	2.21 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.94 ppbv (J)	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.219 ppbv	0.531 ppbv	0.33 ppbv	0.364 ppbv	0.416 ppbv	0.231 ppbv	0.316 ppbv	< 0.0715 ppbv	0.236 ppbv	0.175 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.892 ppbv	2.65 ppbv	1.3 ppbv	1.14 ppbv	1.47 ppbv	1.43 ppbv	1.5 ppbv (J4)	0.348 ppbv	5.51 ppbv	0.74 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	0.122 ppbv (J)	< 0.102 ppbv	0.107 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	0.078 ppbv (J)	< 0.0732 ppbv	0.0763 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.214 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.523 ppbv	0.509 ppbv	0.593 ppbv	0.657 ppbv	0.558 ppbv	0.544 ppbv	0.506 ppbv	0.575 ppbv	0.556 ppbv	0.48 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	0.631 ppbv	1.98 ppbv	0.481 ppbv	0.416 ppbv	1.05 ppbv	0.598 ppbv	0.699 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.368 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.471 ppbv	0.486 ppbv	0.532 ppbv	0.45 ppbv	0.538 ppbv	0.442 ppbv	0.41 ppbv	0.45 ppbv	0.407 ppbv	0.424 ppbv
	Ethanol	NA	4.21 ppbv	9.04 ppbv	7.08 ppbv	12.9 ppbv	15.4 ppbv	5.92 ppbv	7.72 ppbv (B)	4.5 ppbv (B)	6.09 ppbv	5.07 ppbv
	Ethylbenzene	2000 ppb [1]	0.356 ppbv	1.09 ppbv	0.309 ppbv	0.122 ppbv (J)	0.613 ppbv	0.334 ppbv	0.384 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.192 ppbv (J)
	Heptane	43.92 ppb [4]	0.66 ppbv	2.04 ppbv	0.494 ppbv	0.365 ppbv	1.01 ppbv	0.648 ppbv	0.542 ppbv	< 0.104 ppbv	2.08 ppbv	0.343 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	0.0839 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	1.28 ppbv	3.74 ppbv	1.07 ppbv	0.379 ppbv (J)	2.16 ppbv	1.1 ppbv	1.33 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.605 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.423 ppbv (B)	0.299 ppbv (B)	0.458 ppbv	< 0.497 ppbv	0.34 ppbv	0.402 ppbv	0.347 ppbv (B)	0.381 ppbv	0.209 ppbv	0.252 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	0.567 ppbv (J)	1.61 ppbv	0.451 ppbv (J)	0.504 ppbv (J)	0.798 ppbv	0.548 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	0.95 ppbv	0.329 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	0.101 ppbv (J)	0.249 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.0945 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	0.0976 ppbv (J)	0.0517 ppbv (J)

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03										
			Conway Hill Rd; 100 ft south of Hwy 534										
			12/28/2023	12/29/2023	12/30/2023	12/31/2023		1/1/2024	1/2/2024	1/3/2024	1/4/2024	1/5/2024
Analytical Method	Analyte	Screening Value	MTWA1227MC003	MTWA1228MC003	MTWA1229MC003	MTWA1230MC003	MTWA1230MC003CL	MTWA1231MC003	MTWA0101MC003	MTWA0102MC003	MTWA0103MC003	MTWA0104MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.213 ppbv	0.403 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	0.352 ppbv (J)	0.436 ppbv (J)	0.61 ppbv (J)	0.212 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	0.793 ppbv (J)	0.859 ppbv (J)	< 0.264 ppbv	0.946 ppbv (J)	1.73 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.54 ppbv	8.76 ppbv	3.34 ppbv	5.39 ppbv (J)	14.8 ppbv (J)	3.64 ppbv	5.38 ppbv	8.59 ppbv	2.41 ppbv	4.38 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	2.22 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.215 ppbv	0.611 ppbv	0.156 ppbv (J)	0.195 ppbv (J)	0.34 ppbv	0.269 ppbv	0.265 ppbv (B)	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.362 ppbv	0.89 ppbv	0.485 ppbv	0.531 ppbv	0.49 ppbv	1.15 ppbv	1.89 ppbv	0.601 ppbv	0.362 ppbv	0.515 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.126 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.195 ppbv (J)	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.498 ppbv	0.691 ppbv	0.547 ppbv	0.507 ppbv	0.584 ppbv	0.42 ppbv	0.392 ppbv	0.465 ppbv	0.511 ppbv	0.524 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.309 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.0753 ppbv	0.514 ppbv	1.12 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.431 ppbv	0.453 ppbv	0.484 ppbv	0.5 ppbv	0.391 ppbv	0.49 ppbv	0.441 ppbv	0.443 ppbv	0.437 ppbv	0.399 ppbv
	Ethanol	NA	9.05 ppbv	9.61 ppbv	5.89 ppbv	9.08 ppbv (J)	11.6 ppbv (J)	4.01 ppbv	7.89 ppbv	5.85 ppbv	3.82 ppbv (B)	14.5 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.241 ppbv	0.521 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.282 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.104 ppbv	0.401 ppbv	0.897 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	0.292 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.539 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.135 ppbv	0.854 ppbv	1.7 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.244 ppbv	0.27 ppbv	0.35 ppbv	0.29 ppbv	0.275 ppbv	0.334 ppbv	0.317 ppbv	0.246 ppbv	0.263 ppbv	0.29 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.427 ppbv (J)	0.78 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.0565 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			1/5/2024	1/6/2024	1/7/2024	1/8/2024	1/9/2024		1/10/2024	1/11/2024	1/17/2024	1/20/2024
Analytical Method	Analyte	Screening Value	MTWA0104MC003CL	MTWA0105MC003	MTWA0106MC003	MTWA0107MC003	MTWA0108MC003	MTWA0108MC003CL	MTWA0109MC003	MTWA0110MC003	MTWA0116MC003	MTWA0119MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.385 ppbv (J)	0.167 ppbv (J)	< 0.0814 ppbv	0.135 ppbv (J)	0.296 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	0.864 ppbv (J)	0.371 ppbv (J)	< 0.264 ppbv	0.752 ppbv (J)	7.93 ppbv	161 ppbv (E)	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	6.03 ppbv	5.17 ppbv	8.98 ppbv	4.72 ppbv	2.34 ppbv	5.75 ppbv	3.03 ppbv	4.62 ppbv	4.04 ppbv	9.09 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	0.697 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.357 ppbv	0.223 ppbv	0.578 ppbv	0.205 ppbv	0.184 ppbv (J)	< 0.0715 ppbv	0.295 ppbv	0.251 ppbv	0.412 ppbv	0.423 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.604 ppbv	0.505 ppbv (B)	0.837 ppbv	0.364 ppbv	0.438 ppbv	0.362 ppbv	0.8 ppbv	1.36 ppbv	1.06 ppbv	1.2 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	0.357 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.112 ppbv (J)	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.592 ppbv	0.548 ppbv	0.817 ppbv	0.514 ppbv	0.552 ppbv	0.577 ppbv	0.567 ppbv	0.432 ppbv	0.516 ppbv	0.457 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.0962 ppbv (J)	< 0.0753 ppbv	< 0.0753 ppbv	0.147 ppbv (J)	0.348 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.301 ppbv	0.436 ppbv	0.506 ppbv	0.429 ppbv	0.429 ppbv	0.489 ppbv	< 0.505 ppbv	0.374 ppbv	0.414 ppbv	0.42 ppbv
	Ethanol	NA	13.2 ppbv	7.08 ppbv (B)	21.4 ppbv	9.14 ppbv	6.25 ppbv	9.24 ppbv	3.04 ppbv	49.9 ppbv	20.4 ppbv	6.78 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	0.353 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.173 ppbv (J)	0.243 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	0.631 ppbv	< 0.135 ppbv	0.177 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	0.228 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.378 ppbv	< 0.0979 ppbv	< 0.0979 ppbv	0.162 ppbv (J)	0.147 ppbv (J)	0.309 ppbv	0.35 ppbv	1.83 ppbv	0.223 ppbv	0.269 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.24 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.436 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.0614 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			1/20/2024		1/21/2024	1/22/2024	1/23/2024		1/24/2024	1/25/2024	1/26/2024	
Analytical Method	Analyte	Screening Value	MTWA0119MC003CL	MTWA0120MC003	MTWA0120MC003B	MTWA0121MC003	MTWA0122MC003	MTWA0123MC003	MTWA0123MC003B	MTWA0124MC003	MTWA0125MC003	MTWA0126MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	0.211 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.3 ppbv	< 0.264 ppbv	< 0.264 ppbv	25.5 ppbv	< 0.264 ppbv	1.74 ppbv	2.16 ppbv	4.49 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	9.36 ppbv	7.25 ppbv	26.1 ppbv	7.64 ppbv	4.94 ppbv	10 ppbv	4.36 ppbv	7.74 ppbv	3.92 ppbv	7.15 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.363 ppbv	0.481 ppbv	0.241 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.202 ppbv	< 0.0715 ppbv	0.228 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	1.57 ppbv	1.53 ppbv	0.712 ppbv	2.3 ppbv	0.593 ppbv	0.638 ppbv	0.515 ppbv	1.45 ppbv	0.279 ppbv	0.252 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.615 ppbv	0.744 ppbv	0.541 ppbv	0.529 ppbv	0.495 ppbv	0.518 ppbv	0.506 ppbv	0.572 ppbv	0.5 ppbv	0.553 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.885 ppbv	0.222 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.55 ppbv	0.42 ppbv	0.469 ppbv	0.396 ppbv	0.406 ppbv	0.425 ppbv	0.426 ppbv	0.395 ppbv	0.395 ppbv	0.462 ppbv
	Ethanol	NA	15.5 ppbv	12.3 ppbv	10.9 ppbv	383 ppbv (E)	14.9 ppbv	19.1 ppbv	35.3 ppbv	46.6 ppbv	13.1 ppbv	32.7 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	0.337 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.643 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	1.24 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.289 ppbv	0.339 ppbv	0.239 ppbv	0.514 ppbv	< 0.0979 ppbv	0.33 ppbv	0.276 ppbv	1.28 ppbv	< 0.0979 ppbv	< 0.0979 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			1/27/2024	1/28/2024	1/29/2024		1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024
Analytical Method	Analyte	Screening Value	MTWA0126MC003B	MTWA0127MC003	MTWA0128MC003	MTWA0129MC003	MTWA0129MC003B	MTWA0130MC003	MTWA0131MC003	MTWA0201MC003	MTWA0201MC003B	MTWA0202MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	2.3 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	1.74 ppbv	< 0.264 ppbv	< 0.264 ppbv	1.33 ppbv	1.63 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	3.19 ppbv	3.93 ppbv	5.3 ppbv	4.33 ppbv	12.5 ppbv	7.11 ppbv	6.9 ppbv	12.8 ppbv	14.1 ppbv	7.93 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	9.59 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	5.15 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.274 ppbv	0.269 ppbv	0.206 ppbv	0.43 ppbv	0.514 ppbv	0.408 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.28 ppbv	0.254 ppbv	0.289 ppbv	0.239 ppbv (B)	0.888 ppbv	0.611 ppbv	0.63 ppbv	0.418 ppbv	1 ppbv	0.662 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.217 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.628 ppbv	0.32 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.474 ppbv	0.661 ppbv	0.756 ppbv	0.409 ppbv	0.784 ppbv	0.57 ppbv	0.62 ppbv	0.741 ppbv	0.73 ppbv	0.625 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.45 ppbv	0.506 ppbv	0.567 ppbv	0.405 ppbv	0.447 ppbv	< 0.137 ppbv	0.51 ppbv	0.557 ppbv	0.465 ppbv	0.242 ppbv
	Ethanol	NA	5.06 ppbv	4.35 ppbv	15.7 ppbv	7.22 ppbv (B)	16.1 ppbv	17.5 ppbv	13.8 ppbv	26 ppbv	30.5 ppbv	18.6 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	< 0.0979 ppbv	0.201 ppbv	0.212 ppbv	< 0.0979 ppbv	0.228 ppbv	0.231 ppbv	0.242 ppbv	< 0.0979 ppbv	0.268 ppbv	0.213 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.204 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.499 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			2/3/2024	2/4/2024		2/5/2024	2/6/2024	2/7/2024		2/8/2024	2/9/2024	2/10/2024
Analytical Method	Analyte	Screening Value	MTWA0202MC003CL	MTWA0203MC003	MTWA0204MC003	MTWA0204MC003B	MTWA0205MC003	MTWA0206MC003	MTWA0207MC003	MTWA0207MC003B	MTWA0208MC003	MTWA0209MC003
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.203 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	7.24 ppbv	1.59 ppbv	1.29 ppbv	< 0.264 ppbv	1.56 ppbv	5.46 ppbv	< 0.264 ppbv	2.57 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	0.319 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.9 ppbv	4.72 ppbv	2.45 ppbv	6.65 ppbv	10.2 ppbv	5.55 ppbv	4.71 ppbv	2.23 ppbv	2.24 ppbv	2.57 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	59.2 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	14.7 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.231 ppbv	0.286 ppbv	0.203 ppbv	0.68 ppbv	< 0.0715 ppbv	0.306 ppbv	< 0.0715 ppbv	0.23 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.769 ppbv	13.9 ppbv	0.85 ppbv	1.81 ppbv	1.14 ppbv	0.828 ppbv	1.36 ppbv	1.04 ppbv	1.08 ppbv	0.745 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.424 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.508 ppbv	0.603 ppbv	0.57 ppbv	0.903 ppbv	0.55 ppbv	0.654 ppbv	0.601 ppbv	0.63 ppbv	0.521 ppbv	0.47 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.286 ppbv	< 0.0753 ppbv	0.725 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.221 ppbv	0.56 ppbv (J3J4)	0.542 ppbv (J3J4)	0.508 ppbv (J3J4)	0.474 ppbv	0.533 ppbv	0.34 ppbv	0.282 ppbv	0.506 ppbv	0.548 ppbv
	Ethanol	NA	12.6 ppbv	60.4 ppbv	33.3 ppbv	13.9 ppbv	8.67 ppbv	11.5 ppbv	80.8 ppbv	25 ppbv	21.6 ppbv	7.96 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.231 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.323 ppbv	< 0.104 ppbv	0.572 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.235 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.483 ppbv	< 0.135 ppbv	0.838 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.237 ppbv	0.719 ppbv	0.406 ppbv	0.255 ppbv	0.222 ppbv	0.223 ppbv	0.348 ppbv	0.269 ppbv	0.833 ppbv	0.208 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	0.242 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			2/10/2024	2/11/2024	2/12/2024	2/13/2024			2/14/2024	2/16/2024		2/17/2024
Analytical Method	Analyte	Screening Value	MTWA0210MC003	MTWA0210MC003B	MTWA0211MC003	MTWA0212MC003	MTWA0212MC003CL	MTWA0213MC003	MTWA0213MC003B	MTWA0215MC003	MTWA0216MC003	MTWA0216MC003B
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.277 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	4.97 ppbv	1.54 ppbv	< 0.264 ppbv	1.82 ppbv	< 0.264 ppbv	2.79 ppbv	4.42 ppbv	< 0.264 ppbv	1.88 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.251 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.276 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	10.8 ppbv	12.5 ppbv	4.57 ppbv	4.92 ppbv	3.61 ppbv	5.48 ppbv	4.7 ppbv	4.72 ppbv	3.58 ppbv	3.25 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	3.27 ppbv (J)	3.08 ppbv (J)
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.758 ppbv	0.705 ppbv	0.22 ppbv	0.208 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.228 ppbv	< 0.0715 ppbv	0.263 ppbv	0.241 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.912 ppbv	0.688 ppbv	0.894 ppbv	0.996 ppbv	1.06 ppbv	0.669 ppbv	0.881 ppbv	0.717 ppbv	0.61 ppbv	0.856 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.12 ppbv (J)	0.132 ppbv (J)
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	0.237 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.959 ppbv	1.29 ppbv	0.771 ppbv	0.572 ppbv	0.499 ppbv	0.604 ppbv	0.584 ppbv	0.506 ppbv	0.701 ppbv	0.684 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.499 ppbv	0.523 ppbv	0.616 ppbv	0.529 ppbv	0.465 ppbv	0.556 ppbv	0.541 ppbv	0.523 ppbv	0.431 ppbv	0.407 ppbv
	Ethanol	NA	14.4 ppbv	33.4 ppbv	8.98 ppbv	13.4 ppbv	20.1 ppbv	7.34 ppbv	14.9 ppbv	5.72 ppbv	16.4 ppbv	13.1 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.28 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	0.28 ppbv	0.239 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	1.18 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.285 ppbv	0.28 ppbv	0.305 ppbv	0.24 ppbv	0.754 ppbv	0.301 ppbv	0.288 ppbv	0.427 ppbv	0.235 ppbv	0.311 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	2.49 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.708 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			2/18/2024	2/19/2024	2/20/2024	2/21/2024	2/22/2024	2/23/2024	2/24/2024	2/25/2024	2/26/2024	
Analytical Method	Analyte	Screening Value	MTWA0217MC003	MTWA0218MC003	MTWA0219MC003	MTWA0220MC003	MTWA0221MC003	MTWA0222MC003	MTWA0223MC003	MTWA0224MC003	MTWA0225MC003	MTWA0225MC003CL
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	0.0812 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.0807 ppbv (J)	0.0838 ppbv (J)	0.0856 ppbv (J)	0.0817 ppbv (J)	0.0856 ppbv (J)
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.0814 ppbv (J)	0.151 ppbv (J)
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.395 ppbv (J)	0.318 ppbv (J)	0.239 ppbv (J)	0.274 ppbv (J)	< 0.0814 ppbv	0.35 ppbv (J)	1.12 ppbv (J)	0.47 ppbv (J)	0.238 ppbv (J)	0.184 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	3.12 ppbv	0.481 ppbv (J)	1.78 ppbv (B)	0.758 ppbv (J)	1.96 ppbv (B)	8.39 ppbv	< 0.264 ppbv	0.644 ppbv (J)	10.2 ppbv	0.788 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.655 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.478 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	0.119 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	17.7 ppbv	4.03 ppbv	4.32 ppbv	3.35 ppbv	4.48 ppbv	4.61 ppbv	11.2 ppbv	6.89 ppbv	3.72 ppbv	2.2 ppbv
	Acetonitrile	16.08 ppb [4]	1.26 ppbv (BJ)	1.23 ppbv (BJ)	< 0.235 ppbv	0.518 ppbv (BJ)	8.92 ppbv (B)	44.6 ppbv	3.38 ppbv (J)	7.31 ppbv (B)	130 ppbv	11.2 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	3.14 ppbv (J)	1.49 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.173 ppbv (J)	0.247 ppbv	0.22 ppbv	0.14 ppbv (J)	< 0.0715 ppbv	0.157 ppbv (J)	1.47 ppbv	0.275 ppbv	0.156 ppbv (J)	0.203 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.865 ppbv	0.738 ppbv	0.883 ppbv	0.439 ppbv	0.34 ppbv	0.769 ppbv	0.597 ppbv	0.416 ppbv	1 ppbv	0.505 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	0.21 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	0.0861 ppbv (J)	0.0896 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0966 ppbv (J)	0.0848 ppbv (J)	0.101 ppbv (J)	0.101 ppbv (J)	0.0862 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.626 ppbv	0.558 ppbv	0.542 ppbv	0.606 ppbv	0.641 ppbv	0.57 ppbv	1.77 ppbv	0.625 ppbv	0.539 ppbv	0.582 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.207 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.534 ppbv	0.544 ppbv	0.518 ppbv	0.428 ppbv	0.487 ppbv	0.436 ppbv	0.89 ppbv	0.441 ppbv	0.435 ppbv	0.448 ppbv
	Ethanol	NA	7.19 ppbv	7.89 ppbv	9.19 ppbv	6.21 ppbv	13.6 ppbv	70.7 ppbv	15.5 ppbv	13.7 ppbv	108 ppbv (E)	7.72 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.0918 ppbv (J)	0.115 ppbv (J)
	Heptane	43.92 ppb [4]	0.143 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.158 ppbv (J)
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.646 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	0.235 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	0.188 ppbv (J)	< 0.135 ppbv	0.224 ppbv (J)	0.15 ppbv (J)	< 0.135 ppbv	0.325 ppbv (J)	0.492 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.252 ppbv	0.23 ppbv	0.222 ppbv	0.288 ppbv	0.26 ppbv	0.613 ppbv	0.285 ppbv	0.306 ppbv	3.05 ppbv	0.352 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.0931 ppbv (J)	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	2.09 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03								AS04	
			Conway Hill Rd; 100 ft south of Hwy 534								Locken Hill Ln and Conway Hill Rd intersection	
			2/27/2024	2/28/2024	2/29/2024	3/1/2024	3/2/2024	3/3/2024	3/4/2024	3/5/2024	12/13/2023	12/14/2023
Analytical Method	Analyte	Screening Value	MTWA0226MC003	MTWA0227MC003	MTWA0228MC003	MTWA0229MC003	MTWA0301MC003	MTWA0302MC003	MTWA0303MC003	MTWA0304MC003	MTWA1212MC004	MTWA1213MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.0797 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	0.0773 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.464 ppbv (B)	0.174 ppbv (BJ)
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	0.148 ppbv (J)	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.237 ppbv (J)	0.386 ppbv (J)	0.274 ppbv (J)	0.325 ppbv (J)	0.434 ppbv (J)	0.165 ppbv (J)	0.275 ppbv (J)	< 0.0814 ppbv	0.693 ppbv (J)	0.485 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.6 ppbv (J)	4.9 ppbv	14.9 ppbv	15.3 ppbv	0.784 ppbv (J)	1.62 ppbv	0.722 ppbv (J)	0.375 ppbv (J)	2.56 ppbv	0.941 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.2 ppbv (J)	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	0.102 ppbv (J)	0.393 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	2.97 ppbv	6.71 ppbv	11.3 ppbv	7.77 ppbv	9.45 ppbv	3.34 ppbv	3.89 ppbv	1.52 ppbv	9.4 ppbv	3.48 ppbv
	Acetonitrile	16.08 ppb [4]	0.859 ppbv (J)	2.79 ppbv (J)	12.4 ppbv	4.53 ppbv (J)	0.434 ppbv (BJ)	0.719 ppbv (J)	0.275 ppbv (J)	0.509 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	1.84 ppbv (J)	4.72 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	2.58 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.186 ppbv (J)	0.213 ppbv	0.129 ppbv (J)	0.176 ppbv (J)	1.17 ppbv	0.253 ppbv	0.215 ppbv	0.24 ppbv	1.11 ppbv	0.148 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.581 ppbv	0.697 ppbv	3.92 ppbv	3.56 ppbv	0.433 ppbv	0.427 ppbv	0.392 ppbv	0.567 ppbv	1.05 ppbv	0.354 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.112 ppbv (J)	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	0.0806 ppbv (J)	0.076 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.839 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.559 ppbv	0.609 ppbv	0.734 ppbv	0.73 ppbv	2.55 ppbv	0.662 ppbv	0.587 ppbv	0.656 ppbv	4.1 ppbv	0.4 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	0.0974 ppbv (J)	< 0.0753 ppbv	0.137 ppbv (J)	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.905 ppbv	0.358 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.392 ppbv	0.367 ppbv	0.564 ppbv	0.524 ppbv	0.473 ppbv	0.298 ppbv	0.505 ppbv	0.583 ppbv	0.361 ppbv	0.358 ppbv
	Ethanol	NA	7.02 ppbv	28 ppbv	125 ppbv (E)	60.3 ppbv	22.5 ppbv	9.99 ppbv	15.7 ppbv	7.22 ppbv	22.5 ppbv	4.71 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.497 ppbv	0.295 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	0.137 ppbv (J)	< 0.104 ppbv	0.177 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.801 ppbv	0.36 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.0843 ppbv (J)	< 0.0777 ppbv	< 0.0777 ppbv	0.378 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	0.141 ppbv (J)	0.263 ppbv (J)	0.181 ppbv (J)	< 0.135 ppbv	0.181 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	1.73 ppbv (B)	0.968 ppbv (B)
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.206 ppbv	0.332 ppbv	24.8 ppbv	0.851 ppbv	0.263 ppbv	0.836 ppbv	0.132 ppbv (J)	0.127 ppbv (J)	0.351 ppbv	0.215 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	0.264 ppbv	0.129 ppbv (J)	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	1.55 ppbv	0.561 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.688 ppbv	0.269 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.121 ppbv (J)	0.0747 ppbv (J)

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			12/15/2023	12/16/2023	12/17/2023	12/18/2023	12/19/2023	12/20/2023		12/21/2023	12/22/2023	12/23/2023
Analytical Method	Analyte	Screening Value	MTWA1214MC004	MTWA1215MC004	MTWA1216MC004	MTWA1217MC004	MTWA1218MC004	MTWA1219MC004	MTWA1220MC004	MTWA1220MC004B	MTWA1221MC004	MTWA1222MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	0.428 ppbv	0.765 ppbv	0.563 ppbv	0.108 ppbv (J)	0.36 ppbv	0.0768 ppbv (J)	0.157 ppbv (J)	0.15 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	0.124 ppbv (J)	0.226 ppbv	0.186 ppbv (J)	< 0.0779 ppbv	0.112 ppbv (J)	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.663 ppbv (J)	< 0.0814 ppbv	0.486 ppbv (J)	0.211 ppbv (J)	0.197 ppbv (J)	0.17 ppbv (J)	0.295 ppbv (J)	1.85 ppbv	0.559 ppbv (J)	0.969 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.27 ppbv	3.27 ppbv (B)	7.6 ppbv	1.36 ppbv (B)	1.42 ppbv	0.745 ppbv (J)	0.607 ppbv (J)	1.13 ppbv (J)	0.943 ppbv (J)	1.48 ppbv
	2,2,4-Trimethylpentane	NA	0.328 ppbv	0.386 ppbv	0.374 ppbv	< 0.133 ppbv	0.205 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	0.157 ppbv (J)	0.249 ppbv	0.201 ppbv	< 0.0783 ppbv	0.137 ppbv (J)	< 0.0783 ppbv	0.127 ppbv (J)	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	7.53 ppbv	5.14 ppbv	4.65 ppbv	3.26 ppbv	4.01 ppbv	3.77 ppbv	3.14 ppbv	16.3 ppbv	6.14 ppbv	13.7 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	2.86 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.405 ppbv	0.558 ppbv	0.484 ppbv	0.298 ppbv	0.34 ppbv	0.145 ppbv (J)	0.217 ppbv	0.519 ppbv	0.239 ppbv	1.26 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	1.64 ppbv	2.23 ppbv	1.97 ppbv	2.46 ppbv	2.06 ppbv	0.648 ppbv (B)	0.981 ppbv	1.38 ppbv	0.788 ppbv	0.831 ppbv
	Carbon disulfide	300 ppb [2]	0.301 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.1 ppbv (J)	< 0.0996 ppbv	0.383 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.521 ppbv	0.528 ppbv	0.444 ppbv	0.481 ppbv	0.503 ppbv	0.552 ppbv	0.515 ppbv	0.582 ppbv	0.497 ppbv	1.45 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	1.72 ppbv	1.9 ppbv	1.9 ppbv	0.394 ppbv	0.856 ppbv	0.217 ppbv	0.325 ppbv	0.517 ppbv	0.11 ppbv (J)	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.429 ppbv	0.468 ppbv	0.395 ppbv	0.45 ppbv	0.428 ppbv	0.464 ppbv	0.466 ppbv	0.454 ppbv	0.446 ppbv	0.457 ppbv
	Ethanol	NA	9.02 ppbv	37.6 ppbv	35.4 ppbv	5.62 ppbv	9.52 ppbv	4.18 ppbv	15.2 ppbv	17.7 ppbv	7.85 ppbv	28.4 ppbv
	Ethylbenzene	2000 ppb [1]	0.809 ppbv	1.16 ppbv	0.988 ppbv	0.207 ppbv	0.619 ppbv	0.115 ppbv (J)	0.228 ppbv	0.278 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	1.76 ppbv	2.01 ppbv	1.98 ppbv	0.462 ppbv	1.04 ppbv	0.263 ppbv	0.385 ppbv	0.505 ppbv	0.142 ppbv (J)	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.414 ppbv
	m&p-Xylene	600 ppb [1]	2.6 ppbv	3.86 ppbv	3.26 ppbv	0.691 ppbv	2.11 ppbv	0.372 ppbv (J)	0.749 ppbv	0.841 ppbv	0.223 ppbv (J)	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.402 ppbv	0.272 ppbv	0.822 ppbv	0.239 ppbv	< 0.406 ppbv	0.335 ppbv (B)	0.338 ppbv (B)	< 0.638 ppbv	< 0.456 ppbv	< 1.68 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	1.48 ppbv	1.58 ppbv	1.85 ppbv	0.484 ppbv (J)	0.846 ppbv	0.338 ppbv (J)	0.362 ppbv (J)	0.49 ppbv (J)	< 0.206 ppbv	0.241 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	0.179 ppbv (J)	0.275 ppbv	0.238 ppbv	< 0.0363 ppbv	0.144 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv	0.06 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			12/24/2023		12/25/2023	12/26/2023	12/27/2023	12/28/2023	12/29/2023	12/30/2023	12/31/2023	
Analytical Method	Analyte	Screening Value	MTWA1223MC004	MTWA1224MC004	MTWA1224MC004B	MTWA1225MC004	MTWA1226MC004	MTWA1227MC004	MTWA1228MC004	MTWA1229MC004	MTWA1230MC004	MTWA1231MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.082 ppbv (J)
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	0.2 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.138 ppbv (J)	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.217 ppbv (J)	< 0.0814 ppbv	0.283 ppbv (J)	0.219 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	0.299 ppbv (J)	0.124 ppbv (J)	0.887 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	2.68 ppbv	< 0.264 ppbv	1.26 ppbv	21.4 ppbv	< 0.264 ppbv	1.51 ppbv	25.4 ppbv	1.99 ppbv	2.31 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.349 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	0.0866 ppbv (J)	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.195 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	5.95 ppbv	3.55 ppbv	5.49 ppbv	3.04 ppbv	8.24 ppbv	2.48 ppbv	2.56 ppbv	10.8 ppbv	3.26 ppbv	13.3 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.354 ppbv	0.278 ppbv	< 0.0715 ppbv	0.126 ppbv (J)	0.2 ppbv (J)	< 0.0715 ppbv	< 0.0715 ppbv	0.539 ppbv	0.138 ppbv (J)	0.522 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.963 ppbv (J4)	0.885 ppbv	0.495 ppbv	0.363 ppbv	3.83 ppbv	0.298 ppbv	0.681 ppbv	6.73 ppbv	0.518 ppbv	1.77 ppbv
	Carbon disulfide	300 ppb [2]	0.208 ppbv (B)	0.135 ppbv (J)	0.59 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.113 ppbv (J)	0.258 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	0.0805 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0751 ppbv (J)	< 0.0732 ppbv	0.0857 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.638 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	0.0755 ppbv (J)	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.582 ppbv	0.575 ppbv	0.66 ppbv	0.48 ppbv	0.525 ppbv	0.494 ppbv	0.488 ppbv	0.485 ppbv	0.494 ppbv	0.895 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.308 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.119 ppbv (J)	< 0.0753 ppbv	< 0.0753 ppbv	0.33 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.413 ppbv	0.507 ppbv	0.499 ppbv	0.41 ppbv	0.416 ppbv	0.434 ppbv	0.447 ppbv	0.474 ppbv	0.393 ppbv	0.288 ppbv
	Ethanol	NA	21 ppbv	6.14 ppbv	7.93 ppbv (B)	8.83 ppbv	88.4 ppbv	3.23 ppbv (B)	6.6 ppbv	160 ppbv (J)	10.1 ppbv	29.8 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	0.193 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.196 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.307 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.121 ppbv (J)	< 0.104 ppbv	< 0.104 ppbv	0.663 ppbv	< 0.104 ppbv	0.175 ppbv (J)
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.679 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.149 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	0.577 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.711 ppbv (B)	0.42 ppbv	0.445 ppbv	0.212 ppbv	10.3 ppbv	0.236 ppbv	0.515 ppbv	30.6 ppbv	0.276 ppbv	< 0.0979 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	0.321 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	0.67 ppbv	< 0.206 ppbv	< 0.206 ppbv	15.8 ppbv	< 0.206 ppbv	0.399 ppbv (J)
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.0733 ppbv (J)	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/1/2024	1/2/2024		1/3/2024	1/4/2024	1/5/2024	1/6/2024		1/7/2024	1/8/2024
Analytical Method	Analyte	Screening Value	MTWA1231MC004B	MTWA0101MC004	MTWA0101MC004CL	MTWA0102MC004	MTWA0103MC004	MTWA0104MC004	MTWA0105MC004	MTWA0105MC004CL	MTWA0106MC004	MTWA0107MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.338 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.454 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.686 ppbv (J)	1.4 ppbv	1.46 ppbv	2.4 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	0.786 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.54 ppbv	4.29 ppbv	13.3 ppbv	5.22 ppbv	6.06 ppbv	2.93 ppbv	2.83 ppbv	1.87 ppbv	5.96 ppbv	3.3 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.376 ppbv	0.296 ppbv (B)	0.549 ppbv (B)	< 0.0715 ppbv	0.605 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.501 ppbv	0.116 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.772 ppbv	1.15 ppbv	0.905 ppbv	1.16 ppbv	0.404 ppbv	0.555 ppbv	0.535 ppbv (B)	0.473 ppbv (B)	0.714 ppbv	0.352 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.834 ppbv	0.424 ppbv	0.617 ppbv	0.442 ppbv	1.77 ppbv	0.511 ppbv	0.521 ppbv	0.497 ppbv	0.623 ppbv	0.491 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	0.228 ppbv	0.201 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.373 ppbv	0.436 ppbv	0.443 ppbv	0.445 ppbv	0.446 ppbv	0.355 ppbv	0.424 ppbv	0.435 ppbv	0.505 ppbv	0.429 ppbv
	Ethanol	NA	6.01 ppbv	14.4 ppbv	9.25 ppbv	12.8 ppbv	5.4 ppbv (B)	8.8 ppbv	7.43 ppbv (B)	3.37 ppbv (B)	6.96 ppbv	5.39 ppbv
	Ethylbenzene	2000 ppb [1]	0.0992 ppbv (J)	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	0.209 ppbv	0.229 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.228 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	0.323 ppbv (J)	< 0.135 ppbv	0.414 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.279 ppbv	0.318 ppbv	0.269 ppbv	0.323 ppbv	0.245 ppbv	0.262 ppbv	0.224 ppbv	< 0.0979 ppbv	0.209 ppbv	0.159 ppbv (J)
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/9/2024	1/10/2024		1/11/2024	1/17/2024	1/20/2024			1/21/2024	1/22/2024
Analytical Method	Analyte	Screening Value	MTWA0108MC004	MTWA0109MC004	MTWA0109MC004CL	MTWA0110MC004	MTWA0116MC004	MTWA0119MC004	MTWA0120MC004	MTWA0120MC004CL	MTWA0120MC004B	MTWA0121MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.225 ppbv (J)	0.292 ppbv (J)	0.269 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	0.445 ppbv (J)	0.388 ppbv (J)	6.09 ppbv	78.7 ppbv	< 0.264 ppbv	1.47 ppbv	2.67 ppbv	4.07 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.0788 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	3.51 ppbv	2.53 ppbv (J)	3.82 ppbv (J)	4.15 ppbv	3.16 ppbv	< 0.584 ppbv	15.6 ppbv	42.1 ppbv	26.1 ppbv	4.99 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	0.591 ppbv (J)	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	3.71 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.172 ppbv (J)	0.178 ppbv (J)	0.182 ppbv (J)	0.278 ppbv	0.308 ppbv	0.356 ppbv	0.362 ppbv	0.224 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.407 ppbv	0.612 ppbv	0.512 ppbv	1.08 ppbv	0.83 ppbv	1.36 ppbv	1.41 ppbv	1.53 ppbv	1.09 ppbv	0.322 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	0.207 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.559 ppbv	0.547 ppbv	0.556 ppbv	0.475 ppbv	0.436 ppbv	0.543 ppbv	0.565 ppbv	0.667 ppbv	0.589 ppbv	0.581 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.364 ppbv	0.385 ppbv	0.228 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.515 ppbv	< 0.524 ppbv	< 0.506 ppbv	0.377 ppbv	0.409 ppbv	0.473 ppbv	0.426 ppbv	0.412 ppbv	0.456 ppbv	0.468 ppbv
	Ethanol	NA	4.36 ppbv	7.88 ppbv (J)	2.82 ppbv (J)	35 ppbv	12.8 ppbv	8.86 ppbv	16.3 ppbv	23.2 ppbv	47.5 ppbv	3.98 ppbv (B)
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.308 ppbv	0.327 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.439 ppbv	0.439 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.399 ppbv	0.215 ppbv	0.223 ppbv	1.45 ppbv	< 0.0979 ppbv	0.5 ppbv	0.381 ppbv	0.635 ppbv	0.489 ppbv	0.221 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.223 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/23/2024			1/24/2024	1/25/2024	1/26/2024		1/27/2024	1/28/2024	1/29/2024
Analytical Method	Analyte	Screening Value	MTWA0122MC004	MTWA0122MC004CL	MTWA0123MC004	MTWA0123MC004B	MTWA0124MC004	MTWA0125MC004	MTWA0126MC004	MTWA0126MC004B	MTWA0127MC004	MTWA0128MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	3.61 ppbv	< 0.264 ppbv	1.9 ppbv	9.87 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.46 ppbv	5.17 ppbv	5.51 ppbv	11.4 ppbv	8.41 ppbv	2.47 ppbv	5.19 ppbv	6.78 ppbv	7.89 ppbv	15.4 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.201 ppbv	0.339 ppbv	< 0.0715 ppbv	0.498 ppbv	0.641 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.221 ppbv	< 0.0715 ppbv	0.795 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.346 ppbv	0.756 ppbv	0.702 ppbv	0.884 ppbv	1.2 ppbv	0.351 ppbv	0.322 ppbv	0.915 ppbv	0.257 ppbv	0.431 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.443 ppbv	0.486 ppbv	0.556 ppbv	0.819 ppbv	1.1 ppbv	0.518 ppbv	0.493 ppbv	0.626 ppbv	0.697 ppbv	1.5 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.371 ppbv	0.385 ppbv	0.418 ppbv	0.405 ppbv	0.376 ppbv	0.395 ppbv	0.477 ppbv	0.466 ppbv	0.51 ppbv	0.583 ppbv
	Ethanol	NA	8.01 ppbv	12.7 ppbv	16.3 ppbv	27.6 ppbv	35.5 ppbv	4.57 ppbv	11.4 ppbv	72 ppbv	7.13 ppbv	10 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	0.219 ppbv	0.228 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	< 0.0979 ppbv	0.248 ppbv	0.559 ppbv	0.226 ppbv	0.978 ppbv	< 0.0979 ppbv	0.203 ppbv	0.705 ppbv	< 0.0979 ppbv	0.226 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/29/2024	1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024	2/4/2024	2/5/2024	2/6/2024
Analytical Method	Analyte	Screening Value	MTWA0129MC004	MTWA0129MC004B	MTWA0130MC004	MTWA0131MC004	MTWA0201MC004	MTWA0201MC004B	MTWA0202MC004	MTWA0204MC004	MTWA0204MC004B	MTWA0205MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	3.69 ppbv	5.23 ppbv	2.64 ppbv	< 0.264 ppbv	< 0.264 ppbv	4.42 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	6.18 ppbv	5.3 ppbv	8.95 ppbv	4.16 ppbv	8.81 ppbv	3.09 ppbv	2.03 ppbv	2.37 ppbv	2.48 ppbv	6.39 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	26.6 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	< 0.0715 ppbv	0.223 ppbv	< 0.0715 ppbv	< 0.0715 ppbv	0.604 ppbv	0.203 ppbv	0.206 ppbv	0.201 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.613 ppbv (B)	2.13 ppbv	0.69 ppbv	0.429 ppbv	0.555 ppbv	3.69 ppbv	0.96 ppbv	0.786 ppbv	1.09 ppbv	1.32 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	0.273 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.47 ppbv	0.729 ppbv	0.636 ppbv	0.587 ppbv	1.05 ppbv	0.653 ppbv	0.525 ppbv	0.548 ppbv	0.566 ppbv	0.547 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.371 ppbv	0.435 ppbv	0.413 ppbv (J3J4)	0.506 ppbv	0.522 ppbv	0.457 ppbv	< 0.137 ppbv	0.491 ppbv (J3J4)	0.505 ppbv (J3J4)	0.45 ppbv
	Ethanol	NA	14.2 ppbv (B)	42.8 ppbv	32.1 ppbv	4.91 ppbv	21.5 ppbv	24.2 ppbv	7.99 ppbv	22.4 ppbv	35.9 ppbv	13 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.432 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.49 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.262 ppbv	0.562 ppbv	0.395 ppbv	0.202 ppbv	< 0.0979 ppbv	0.487 ppbv	0.435 ppbv	0.236 ppbv	0.253 ppbv	0.275 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.272 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			2/7/2024		2/8/2024	2/9/2024	2/10/2024		2/11/2024	2/12/2024	2/13/2024	
Analytical Method	Analyte	Screening Value	MTWA0206MC004	MTWA0207MC004	MTWA0207MC004B	MTWA0208MC004	MTWA0209MC004	MTWA0210MC004	MTWA0210MC004B	MTWA0211MC004	MTWA0212MC004	MTWA0213MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	5.55 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	< 0.264 ppbv	4.04 ppbv	2.57 ppbv	< 0.264 ppbv	1.66 ppbv	4.48 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.81 ppbv	3.36 ppbv	5.84 ppbv	3.86 ppbv	7.55 ppbv	9.6 ppbv	4.3 ppbv	7.19 ppbv	7.05 ppbv	5.23 ppbv
	Acetonitrile	16.08 ppb [4]	19.5 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.232 ppbv	0.204 ppbv	0.38 ppbv	0.281 ppbv	0.427 ppbv	0.234 ppbv	< 0.0715 ppbv	0.238 ppbv	< 0.0715 ppbv	< 0.0715 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	1.23 ppbv	1.04 ppbv	0.984 ppbv	0.789 ppbv	0.76 ppbv	0.914 ppbv	0.885 ppbv	0.72 ppbv	0.995 ppbv	0.751 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	0.682 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.594 ppbv	0.557 ppbv	0.651 ppbv	0.535 ppbv	0.787 ppbv	0.567 ppbv	0.641 ppbv	0.758 ppbv	0.519 ppbv	0.596 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.277 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.549 ppbv	0.261 ppbv	0.227 ppbv	0.594 ppbv	0.569 ppbv	0.524 ppbv	0.526 ppbv	0.581 ppbv	0.503 ppbv	0.529 ppbv
	Ethanol	NA	84.5 ppbv	24.1 ppbv	33.9 ppbv	13 ppbv	10.7 ppbv	12.8 ppbv	44.6 ppbv	12.9 ppbv	21.2 ppbv	12.8 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.618 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.462 ppbv	0.207 ppbv	0.324 ppbv	0.269 ppbv	0.25 ppbv	0.301 ppbv	0.31 ppbv	0.395 ppbv	< 0.0979 ppbv	0.459 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	0.461 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			2/14/2024	2/16/2024			2/17/2024	2/18/2024	2/19/2024	2/20/2024	2/21/2024	
Analytical Method	Analyte	Screening Value	MTWA0213MC004B	MTWA0215MC004	MTWA0215MC004CL	MTWA0216MC004	MTWA0216MC004B	MTWA0217MC004	MTWA0218MC004	MTWA0219MC004	MTWA0219MC004B	MTWA0220MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	0.0826 ppbv (J)	0.0834 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.222 ppbv (J)	0.268 ppbv (J)	0.415 ppbv (J)	0.231 ppbv (J)	< 0.0814 ppbv
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	5.85 ppbv	1.53 ppbv	1.6 ppbv	< 0.264 ppbv	2.11 ppbv	10.2 ppbv	0.975 ppbv (J)	4.03 ppbv (B)	5.65 ppbv (B)	1.02 ppbv (J)
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	7.12 ppbv	1.79 ppbv	2.5 ppbv	2.23 ppbv	4.22 ppbv	4.24 ppbv	2.95 ppbv	6.33 ppbv	4.37 ppbv	3.83 ppbv
	Acetonitrile	16.08 ppb [4]	< 0.235 ppbv	< 0.235 ppbv	< 0.235 ppbv	3.19 ppbv (J)	5.37 ppbv (J)	28.6 ppbv	1.32 ppbv (BJ)	< 0.235 ppbv	9.02 ppbv	< 0.235 ppbv
	Acrylonitrile	0.9 ppb [1]	5.34 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	1.44 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.269 ppbv	< 0.0715 ppbv	0.37 ppbv	0.207 ppbv	0.499 ppbv	0.17 ppbv (J)	0.209 ppbv	0.308 ppbv	0.114 ppbv (J)	0.148 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.934 ppbv	0.573 ppbv	0.568 ppbv	0.54 ppbv	0.677 ppbv	1.53 ppbv	0.825 ppbv	0.868 ppbv	0.842 ppbv	0.464 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	0.0868 ppbv (J)	0.0927 ppbv (J)	0.0788 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.596 ppbv	0.489 ppbv	0.769 ppbv	0.603 ppbv	0.673 ppbv	0.585 ppbv	0.61 ppbv	0.488 ppbv	0.634 ppbv	0.6 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.534 ppbv	0.51 ppbv	0.525 ppbv	0.407 ppbv	0.391 ppbv	0.543 ppbv	0.61 ppbv	0.462 ppbv	0.519 ppbv	0.421 ppbv
	Ethanol	NA	31.9 ppbv	6 ppbv	6.53 ppbv	14.1 ppbv	24.7 ppbv	38 ppbv	7.73 ppbv	24.8 ppbv	37.2 ppbv	18.4 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.265 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	0.689 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.27 ppbv	0.304 ppbv	0.232 ppbv	0.262 ppbv	0.371 ppbv	0.34 ppbv	0.193 ppbv (J)	0.203 ppbv	5.29 ppbv	0.254 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.537 ppbv (J)	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.378 ppbv (J)	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			2/22/2024	2/23/2024	2/24/2024	2/25/2024	2/26/2024	2/27/2024	2/28/2024	2/29/2024		3/1/2024
Analytical Method	Analyte	Screening Value	MTWA0221MC004	MTWA0222MC004	MTWA0223MC004	MTWA0224MC004	MTWA0225MC004	MTWA0226MC004	MTWA0227MC004	MTWA0228MC004	MTWA0228MC004CL	MTWA0229MC004
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	< 0.0793 ppbv	0.0802 ppbv (J)	0.0824 ppbv (J)	< 0.0793 ppbv	0.0828 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	0.0798 ppbv (J)	< 0.0793 ppbv	0.0834 ppbv (J)
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.149 ppbv (J)	0.165 ppbv (J)	< 0.0764 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv	< 0.0779 ppbv
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	< 0.0814 ppbv	0.205 ppbv (J)	0.309 ppbv (J)	< 0.0814 ppbv	0.242 ppbv (J)	0.281 ppbv (J)	0.272 ppbv (J)	0.748 ppbv (J)	8.18 ppbv	0.253 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	1.51 ppbv (B)	1.02 ppbv (J)	1.33 ppbv	1.34 ppbv	0.643 ppbv (J)	0.937 ppbv (J)	3.51 ppbv	0.318 ppbv (J)	26.3 ppbv	2.24 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv	< 0.0783 ppbv
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv	0.232 ppbv (J)	< 0.0765 ppbv
	Acetone	8000 ppb [3]	4.34 ppbv	2.29 ppbv	3.8 ppbv	2.13 ppbv	2.21 ppbv	4.41 ppbv	3.56 ppbv	7.5 ppbv	19.3 ppbv	3.43 ppbv
	Acetonitrile	16.08 ppb [4]	11.5 ppbv (B)	6.63 ppbv	4.9 ppbv (J)	20.4 ppbv	4.62 ppbv (BJ)	1.15 ppbv (J)	0.609 ppbv (J)	1.02 ppbv (BJ)	6.69 ppbv	1.26 ppbv (BJ)
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	1.32 ppbv (J)	2.38 ppbv (J)	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.134 ppbv (J)	0.167 ppbv (J)	0.206 ppbv	0.181 ppbv (J)	0.203 ppbv	0.151 ppbv (J)	0.165 ppbv (J)	1.1 ppbv	0.4 ppbv	0.183 ppbv (J)
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.411 ppbv	0.531 ppbv	0.571 ppbv	0.456 ppbv	0.492 ppbv	0.524 ppbv	0.42 ppbv	0.549 ppbv	2.22 ppbv	0.995 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	< 0.0732 ppbv	0.0957 ppbv (J)	0.087 ppbv (J)	0.102 ppbv (J)	0.098 ppbv (J)	< 0.0732 ppbv	0.0796 ppbv (J)	< 0.0732 ppbv	0.0753 ppbv (J)	0.0828 ppbv (J)
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.599 ppbv	0.478 ppbv	0.666 ppbv	0.539 ppbv	0.575 ppbv	0.573 ppbv	0.616 ppbv	0.675 ppbv	0.779 ppbv	0.714 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	0.225 ppbv	2,540 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.492 ppbv	0.454 ppbv	0.937 ppbv	0.413 ppbv	0.438 ppbv	0.387 ppbv	0.405 ppbv	0.555 ppbv	0.553 ppbv	0.53 ppbv
	Ethanol	NA	10.1 ppbv	10.2 ppbv	14.3 ppbv	8.53 ppbv	6.05 ppbv	6.38 ppbv	16.4 ppbv	4.32 ppbv	85.2 ppbv	14.2 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.166 ppbv (J)	0.198 ppbv (J)	< 0.0835 ppbv
	Heptane	43.92 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.571 ppbv	1.47 ppbv	< 0.104 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	0.148 ppbv (J)	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	< 0.135 ppbv	1.77 ppbv	0.578 ppbv	< 0.135 ppbv
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.393 ppbv	0.193 ppbv (J)	0.257 ppbv	0.477 ppbv	0.235 ppbv	0.173 ppbv (J)	0.192 ppbv (J)	0.237 ppbv	30.9 ppbv	0.396 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.22 ppbv	< 0.0784 ppbv
	n-Hexane	600 ppb [2]	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	< 0.206 ppbv	0.625 ppbv (J)	10.5 ppbv	< 0.206 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

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PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04				
			Locken Hill Ln and Conway Hill Rd intersection				
			3/2/2024	3/3/2024	3/4/2024	3/5/2024	
Analytical Method	Analyte	Screening Value	MTWA0301MC004	MTWA0302MC004	MTWA0303MC004	MTWA0304MC004	MTWA0304MC004CL
TO-15	1,1-Dichloroethane	NA	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv	< 0.0723 ppbv
	1,1-Dichloroethene	1 ppb [1]	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv	< 0.0762 ppbv
	1,1,1-Trichloroethane	700 ppb [1]	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv	< 0.0736 ppbv
	1,1,2-Trichloroethane	2 ppb [1]	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv	< 0.0775 ppbv
	1,1,2-Trichlorotrifluoroethane	300.11 ppb [4]	0.0806 ppbv (J)	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv	< 0.0793 ppbv
	1,1,2,2-Tetrachloroethane	NA	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv	< 0.0743 ppbv
	1,2-Dibromoethane	0.53 ppb [4]	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv	< 0.0721 ppbv
	1,2-Dichlorobenzene	15.14 ppb [4]	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv	< 0.128 ppbv
	1,2-Dichloroethane	300 ppb [3]	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv	< 0.07 ppbv
	1,2-Dichloropropane	2 ppb [1]	< 0.076 ppbv	0.363 ppbv	< 0.076 ppbv	< 0.076 ppbv	< 0.076 ppbv
	1,2-Dichlorotetrafluoroethane	NA	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv	< 0.089 ppbv
	1,2,4-Trichlorobenzene	0.12 ppb [4]	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv	< 0.148 ppbv
	1,2,4-Trimethylbenzene	5.49 ppb [4]	< 0.0764 ppbv	0.368 ppbv	< 0.0764 ppbv	< 0.0764 ppbv	0.531 ppbv
	1,3-Butadiene	0.41 ppb [4]	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv	< 0.104 ppbv
	1,3-Dichlorobenzene	NA	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv	< 0.182 ppbv
	1,3,5-Trimethylbenzene	5.49 ppb [4]	< 0.0779 ppbv	0.102 ppbv (J)	< 0.0779 ppbv	< 0.0779 ppbv	0.184 ppbv (J)
	1,4-Dichlorobenzene	200 ppb [1]	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv	< 0.0557 ppbv
	1,4-Dioxane	200 ppb [1]	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv	< 0.0833 ppbv
	2-Butanone (MEK)	1000 ppb [3]	0.192 ppbv (J)	5.72 ppbv	0.161 ppbv (J)	0.766 ppbv (J)	0.613 ppbv (J)
	2-Chlorotoluene	NA	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	2-Propanol	37.02 ppb [4]	0.688 ppbv (J)	6.63 ppbv	0.926 ppbv (J)	1.3 ppbv	4.97 ppbv
	2,2,4-Trimethylpentane	NA	< 0.133 ppbv	0.45 ppbv	< 0.133 ppbv	< 0.133 ppbv	0.202 ppbv
	4-Ethyltoluene	NA	< 0.0783 ppbv	0.111 ppbv (J)	< 0.0783 ppbv	< 0.0783 ppbv	0.109 ppbv (J)
	4-Methyl-2-pentanone (MIBK)	341.75 ppb [4]	< 0.0765 ppbv	0.6 ppbv (J)	< 0.0765 ppbv	< 0.0765 ppbv	< 0.0765 ppbv
	Acetone	8000 ppb [3]	1.88 ppbv	10.2 ppbv	2.17 ppbv	5.39 ppbv	7.92 ppbv
	Acetonitrile	16.08 ppb [4]	0.794 ppbv (BJ)	< 0.235 ppbv	0.279 ppbv (J)	0.559 ppbv (J)	5.29 ppbv
	Acrylonitrile	0.9 ppb [1]	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv	< 0.226 ppbv
	Allyl chloride	0.15 ppb [4]	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv	< 0.114 ppbv
	Benzene	6 ppb [1]	0.184 ppbv (J)	0.925 ppbv	0.155 ppbv (J)	0.451 ppbv	0.357 ppbv
	Benzyl Chloride	0.09 ppb [4]	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv	< 0.0598 ppbv
	Bromodichloromethane	NA	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv	< 0.0702 ppbv
	Bromoethane	NA	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv	< 0.216 ppbv
	Bromoform	NA	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv	< 0.0732 ppbv
	Bromomethane	20 ppb [1]	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv	< 0.0982 ppbv
	Butane	NA	0.541 ppbv	8.03 ppbv	0.423 ppbv	0.64 ppbv	5.2 ppbv
	Carbon disulfide	300 ppb [2]	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv	< 0.102 ppbv
	Carbon tetrachloride	30 ppb [1]	0.0867 ppbv (J)	< 0.0732 ppbv	0.0756 ppbv (J)	< 0.0732 ppbv	< 0.0732 ppbv
	Chlorobenzene	5.00 ppb [4]	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv	< 0.0832 ppbv
	Chloroethane	15000 ppb [3]	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv	< 0.0996 ppbv
	Chloroform	50 ppb [1]	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv	< 0.0717 ppbv
	Chloromethane	300 ppb [1]	0.649 ppbv	0.64 ppbv	0.578 ppbv	0.701 ppbv	0.715 ppbv
	cis-1,2-Dichloroethene	4.54 ppb [4]	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	< 0.0784 ppbv
	cis-1,3-Dichloropropene	NA	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv	< 0.0689 ppbv
	Cyclohexane	784.37 ppb [4]	0.0832 ppbv (J)	1.12 ppbv	< 0.0753 ppbv	< 0.0753 ppbv	< 0.0753 ppbv
	Dibromochloromethane	NA	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv	< 0.0727 ppbv
	Dichlorodifluoromethane	9.30 ppb [4]	0.476 ppbv	0.326 ppbv	0.522 ppbv	0.58 ppbv	0.59 ppbv
	Ethanol	NA	6.2 ppbv	103 ppbv (E)	3.87 ppbv	13.6 ppbv	92.1 ppbv
	Ethylbenzene	2000 ppb [1]	< 0.0835 ppbv	1.99 ppbv	< 0.0835 ppbv	< 0.0835 ppbv	0.116 ppbv (J)
	Heptane	43.92 ppb [4]	< 0.104 ppbv	1.01 ppbv	< 0.104 ppbv	< 0.104 ppbv	0.213 ppbv
	Hexachloro-1,3-butadiene	NA	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv	< 0.105 ppbv
	Isopropylbenzene	36.61 ppb [4]	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv	< 0.0777 ppbv
	m&p-Xylene	600 ppb [1]	< 0.135 ppbv	3.8 ppbv	< 0.135 ppbv	0.137 ppbv (J)	0.368 ppbv (J)
	Methyl Butyl Ketone	3.42 ppb [4]	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv	< 0.133 ppbv
	Methyl methacrylate	78.15 ppb [4]	< 0.0876 ppbv	0.469 ppbv	< 0.0876 ppbv	< 0.0876 ppbv	< 0.0876 ppbv
	Methylene Chloride	300 ppb [1]	0.256 ppbv	0.913 ppbv	0.134 ppbv (J)	0.262 ppbv	22.4 ppbv
	MTBE	1000 ppb [1]	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv	< 0.0647 ppbv
	n-Decane	NA	< 0.0784 ppbv	0.249 ppbv	< 0.0784 ppbv	< 0.0784 ppbv	0.174 ppbv (J)
	n-Hexane	600 ppb [2]	< 0.206 ppbv	2.14 ppbv	< 0.206 ppbv	< 0.206 ppbv	1.52 ppbv
	Naphthalene	0.7 ppb [2]	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv	< 0.35 ppbv
	Nonane	0.40 ppb [5]	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv	< 0.0363 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			12/13/2023	12/14/2023	12/15/2023	12/16/2023	12/17/2023	12/18/2023		12/19/2023		12/20/2023
Analytical Method	Analyte	Screening Value	MTWA1212MC001	MTWA1213MC001	MTWA1214MC001	MTWA1215MC001	MTWA1216MC001	MTWA1217MC001	MTWA1217MC001D	MTWA1218MC001	MTWA1218MC001D	MTWA1219MC001
TO-15	o-Xylene	10.59 ppb [4]	2.45 ppbv	1.05 ppbv	1.42 ppbv	4.04 ppbv	1.59 ppbv	0.962 ppbv (J)	0.273 ppbv (J)	0.871 ppbv	0.805 ppbv	0.126 ppbv (J)
	Pentane	155.88 ppb [4]	3.65 ppbv	1.78 ppbv	3.07 ppbv	6.25 ppbv	2.8 ppbv	2.22 ppbv (J)	6.53 ppbv (J)	1.65 ppbv	1.8 ppbv	6.27 ppbv
	Propene	180.12 ppb [5]	7.76 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	10 ppbv	6.59 ppbv	7.58 ppbv	18.5 ppbv	8.01 ppbv	5.01 ppbv (J)	1.96 ppbv (J)	4.41 ppbv	4.02 ppbv	0.893 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.167 ppbv (J)	0.203 ppbv	0.199 ppbv (J)	0.216 ppbv	0.191 ppbv (J)	0.214 ppbv	0.214 ppbv	0.217 ppbv	0.223 ppbv	0.211 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

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PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			12/20/2023	12/21/2023		12/22/2023		12/23/2023				12/24/2023
Analytical Method	Analyte	Screening Value	MTWA1219MC001D	MTWA1220MC001	MTWA1220MC001D	MTWA1221MC001	MTWA1221MC001D	MTWA1222MC001	MTWA1222MC001D	MTWA1223MC001	MTWA1223MC001D	MTWA1223MC001B
TO-15	o-Xylene	10.59 ppb [4]	0.224 ppbv	0.391 ppbv	0.746 ppbv	0.157 ppbv (J)	0.404 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	0.583 ppbv	0.608 ppbv	0.229 ppbv
	Pentane	155.88 ppb [4]	0.48 ppbv	6.06 ppbv	1.63 ppbv	19 ppbv (J)	1.09 ppbv (J)	0.435 ppbv (J)	0.201 ppbv (J)	0.935 ppbv (J)	1.16 ppbv (J)	0.588 ppbv (B)
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	0.103 ppbv (J)	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.89 ppbv	2.28 ppbv	3.9 ppbv	3.19 ppbv (J)	2.34 ppbv (J)	0.67 ppbv (J)	1.24 ppbv (J)	3.41 ppbv (J)	< 0.087 ppbv	0.989 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.433 ppbv (J)	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.212 ppbv	0.225 ppbv	0.222 ppbv	0.249 ppbv	0.203 ppbv	0.205 ppbv	0.216 ppbv	0.243 ppbv	0.241 ppbv	0.219 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

- Detection > Screening Value
- Detection
- Non-detection > Screening Value
- Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01								
			Across the street from driveway of 19651 Hwy 534								
			12/25/2023	12/26/2023	12/27/2023	12/28/2023	12/29/2023	12/30/2023	12/31/2023	1/1/2024		1/2/2024
Analytical Method	Analyte	Screening Value	MTWA1224MC001	MTWA1225MC001	MTWA1226MC001	MTWA1227MC001	MTWA1228MC001	MTWA1229MC001	MTWA1230MC001	MTWA1231MC001	MTWA1231MC001CL	MTWA0101MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	0.223 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.236 ppbv	0.213 ppbv	0.136 ppbv (J)	0.477 ppbv
	Pentane	155.88 ppb [4]	0.772 ppbv (B)	0.174 ppbv (J)	0.499 ppbv	0.252 ppbv	0.467 ppbv	0.376 ppbv	8.29 ppbv	0.522 ppbv	0.436 ppbv	1.5 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	0.0883 ppbv (J)	< 0.0788 ppbv	0.09 ppbv (J)	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	2.58 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.546 ppbv	2.18 ppbv	1.34 ppbv	2.2 ppbv	0.46 ppbv (J)	2.27 ppbv	0.578 ppbv (J)	2.13 ppbv (J)	2.71 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.241 ppbv	0.186 ppbv (J)	0.199 ppbv (J)	< 0.0819 ppbv	0.203 ppbv	0.215 ppbv	0.228 ppbv	0.222 ppbv	0.219 ppbv	< 0.0819 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/3/2024		1/4/2024	1/5/2024	1/6/2024	1/7/2024		1/8/2024	1/9/2024	1/10/2024
Analytical Method	Analyte	Screening Value	MTWA0102MC001	MTWA0102MC001CL	MTWA0103MC001	MTWA0104MC001	MTWA0105MC001	MTWA0106MC001	MTWA0106MC001CL	MTWA0107MC001	MTWA0108MC001	MTWA0109MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.41 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	1.21 ppbv	0.341 ppbv (B)	0.44 ppbv	0.55 ppbv	0.163 ppbv (J)	0.165 ppbv (J)	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	0.861 ppbv	1.03 ppbv	2.23 ppbv	1.78 ppbv	0.223 ppbv (J)	< 0.087 ppbv	0.158 ppbv (J)
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.203 ppbv	0.204 ppbv	0.208 ppbv	0.213 ppbv	< 0.0819 ppbv	0.229 ppbv	0.232 ppbv	0.243 ppbv	0.202 ppbv	0.199 ppbv (J)
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/11/2024		1/17/2024		1/20/2024		1/21/2024		1/22/2024	1/23/2024
Analytical Method	Analyte	Screening Value	MTWA0110MC001	MTWA0110MC001CL	MTWA0116MC001	MTWA0116MC001CL	MTWA0119MC001	MTWA0120MC001	MTWA0120MC001B	MTWA0120MC001CLB	MTWA0121MC001	MTWA0122MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.0883 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.243 ppbv	0.25 ppbv	< 0.0828 ppbv	0.225 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.46 ppbv	0.484 ppbv	1.11 ppbv	1 ppbv	0.71 ppbv	0.747 ppbv	0.859 ppbv	0.364 ppbv	6.52 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	4.13 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.418 ppbv (J)	0.543 ppbv	0.597 ppbv	1.45 ppbv	0.678 ppbv	1.89 ppbv	1.47 ppbv	0.575 ppbv	4.71 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.247 ppbv	0.187 ppbv (J)	< 0.0819 ppbv	< 0.0819 ppbv	< 0.0819 ppbv	0.218 ppbv	0.204 ppbv	0.229 ppbv	< 0.0819 ppbv	< 0.0819 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/23/2024		1/24/2024	1/25/2024	1/26/2024		1/27/2024	1/28/2024	1/29/2024	
Analytical Method	Analyte	Screening Value	MTWA0123MC001	MTWA0123MC001CL	MTWA0123MC001B	MTWA0124MC001	MTWA0125MC001	MTWA0126MC001	MTWA0126MC001B	MTWA0127MC001	MTWA0128MC001	MTWA0129MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	< 0.0503 ppbv	0.211 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	0.73 ppbv	0.222 ppbv	< 0.0503 ppbv	< 0.503 ppbv	0.279 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	38.8 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	0.585 ppbv	1.61 ppbv	< 0.87 ppbv	1 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.68 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.206 ppbv	0.201 ppbv	0.222 ppbv	0.201 ppbv	0.236 ppbv	0.205 ppbv	0.225 ppbv	0.235 ppbv	< 0.819 ppbv	0.212 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 1.16 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024	2/4/2024		2/5/2024	2/6/2024
Analytical Method	Analyte	Screening Value	MTWA0129MC001B	MTWA0130MC001	MTWA0131MC001	MTWA0201MC001	MTWA0201MC001B	MTWA0202MC001	MTWA0203MC001	MTWA0204MC001	MTWA0204MC001B	MTWA0205MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.617 ppbv	3.47 ppbv	0.775 ppbv	0.223 ppbv	0.235 ppbv	< 0.0503 ppbv	0.34 ppbv	0.297 ppbv	0.411 ppbv	0.387 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	1.81 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	2.37 ppbv	< 0.087 ppbv	0.586 ppbv	1.53 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.217 ppbv	0.371 ppbv	0.244 ppbv	0.25 ppbv	0.244 ppbv	0.232 ppbv	0.244 ppbv	0.244 ppbv	0.253 ppbv	0.249 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			2/7/2024			2/8/2024	2/9/2024	2/10/2024		2/11/2024	2/12/2024	2/13/2024
Analytical Method	Analyte	Screening Value	MTWA0206MC001	MTWA0206MC001CL	MTWA0207MC001	MTWA0207MC001B	MTWA0208MC001	MTWA0209MC001	MTWA0210MC001	MTWA0210MC001B	MTWA0211MC001	MTWA0212MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.32 ppbv	0.386 ppbv	0.46 ppbv	0.401 ppbv	0.279 ppbv	0.284 ppbv	1.79 ppbv	0.399 ppbv	0.268 ppbv	1.05 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.951 ppbv	1.21 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.14 ppbv	0.727 ppbv	0.696 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.19 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.235 ppbv	0.253 ppbv	0.268 ppbv	0.237 ppbv	0.264 ppbv	0.264 ppbv	0.247 ppbv	0.236 ppbv	0.29 ppbv	0.274 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			2/13/2024	2/14/2024	2/16/2024		2/17/2024	2/18/2024	2/19/2024		2/20/2024	2/21/2024
Analytical Method	Analyte	Screening Value	MTWA0213MC001	MTWA0213MC001B	MTWA0215MC001	MTWA0216MC001	MTWA0216MC001B	MTWA0217MC001	MTWA0218MC001	MTWA0218MC001CL	MTWA0219MC001	MTWA0220MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.41 ppbv	0.368 ppbv	0.23 ppbv	0.597 ppbv	0.715 ppbv	< 0.0503 ppbv	1.28 ppbv	0.269 ppbv (J3)	0.281 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.32 ppbv	< 0.087 ppbv	1.01 ppbv	0.748 ppbv	1.47 ppbv	0.311 ppbv (J)	1.08 ppbv	0.708 ppbv	0.699 ppbv	0.174 ppbv (J)
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.253 ppbv	0.272 ppbv	0.26 ppbv	0.263 ppbv	0.223 ppbv	0.252 ppbv	0.283 ppbv	0.277 ppbv	0.214 ppbv	0.219 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01									
			Across the street from driveway of 19651 Hwy 534									
			2/22/2024	2/23/2024	2/24/2024	2/25/2024	2/26/2024	2/27/2024	2/28/2024	2/29/2024	3/1/2024	3/2/2024
Analytical Method	Analyte	Screening Value	MTWA0221MC001	MTWA0222MC001A	MTWA0223MC001	MTWA0224MC001	MTWA0225MC001	MTWA0226MC001	MTWA0227MC001	MTWA0228MC001	MTWA0229MC001	MTWA0301MC001
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.104 ppbv (J)	< 0.0828 ppbv	0.0956 ppbv (J)	0.155 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	0.413 ppbv	1.53 ppbv	0.278 ppbv	0.459 ppbv	0.446 ppbv	2.12 ppbv	1.58 ppbv	0.36 ppbv	1.12 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.328 ppbv (J)	1.13 ppbv	1.39 ppbv	0.461 ppbv (J)	0.968 ppbv	0.399 ppbv (J)	0.29 ppbv (J)	< 0.087 ppbv	< 0.087 ppbv	0.33 ppbv (J)
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	0.079 ppbv (J)	< 0.0673 ppbv	0.189 ppbv (J)	< 0.0673 ppbv	0.627 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.202 ppbv	0.251 ppbv	0.259 ppbv	0.244 ppbv	0.241 ppbv	0.221 ppbv	0.223 ppbv	0.246 ppbv	0.251 ppbv	0.24 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

- Detection > Screening Value
- Detection
- Non-detection > Screening Value
- Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS01			AS02						
			Across the street from driveway of 19651 Hwy 534			Conway School, northeast of basketball courts						
			3/3/2024	3/4/2024	3/5/2024	12/13/2023	12/14/2023	12/15/2023	12/16/2023	12/17/2023	12/18/2023	12/19/2023
Analytical Method	Analyte	Screening Value	MTWA0302MC001	MTWA0303MC001	MTWA0304MC001	MTWA1212MC002	MTWA1213MC002	MTWA1214MC002	MTWA1215MC002	MTWA1216MC002	MTWA1217MC002	MTWA1218MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	0.128 ppbv (J)	1.19 ppbv	0.471 ppbv	0.718 ppbv	1.68 ppbv	0.552 ppbv	0.393 ppbv	0.407 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	0.131 ppbv (J)	0.348 ppbv	3.74 ppbv	1.06 ppbv	1.88 ppbv	3.32 ppbv	1.1 ppbv	1.42 ppbv	0.924 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.129 ppbv (J)	< 0.087 ppbv	5.25 ppbv	2.99 ppbv	5.13 ppbv	7.96 ppbv	2.72 ppbv	2.38 ppbv	1.99 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.215 ppbv	0.222 ppbv	0.248 ppbv	0.191 ppbv (J)	0.196 ppbv (J)	0.208 ppbv	0.213 ppbv	0.189 ppbv (J)	0.21 ppbv	0.213 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	0.899 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			12/20/2023	12/21/2023	12/22/2023	12/23/2023		12/24/2023	12/25/2023	12/26/2023	12/27/2023	12/28/2023
Analytical Method	Analyte	Screening Value	MTWA1219MC002	MTWA1220MC002	MTWA1221MC002	MTWA1222MC002	MTWA1223MC002	MTWA1223MC002B	MTWA1224MC002	MTWA1225MC002	MTWA1226MC002	MTWA1227MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.526 ppbv	0.257 ppbv	< 0.0828 ppbv	0.172 ppbv (J)	0.205 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.146 ppbv (J)	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.396 ppbv	1.16 ppbv	0.74 ppbv	0.224 ppbv	0.552 ppbv	0.54 ppbv (B)	< 0.0503 ppbv	0.151 ppbv (J)	0.34 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	0.0858 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	3.2 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.567 ppbv	2.55 ppbv	2.57 ppbv	0.28 ppbv (J)	1.59 ppbv	1.51 ppbv	0.656 ppbv	1.33 ppbv	1.57 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.219 ppbv	0.216 ppbv	0.215 ppbv	0.209 ppbv	0.218 ppbv	0.231 ppbv	0.2 ppbv	0.192 ppbv (J)	0.19 ppbv (J)	< 0.0819 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			12/29/2023	12/30/2023		12/31/2023	1/1/2024	1/2/2024	1/3/2024	1/4/2024		1/5/2024
Analytical Method	Analyte	Screening Value	MTWA1228MC002	MTWA1229MC002	MTWA1229MC002CL	MTWA1230MC002	MTWA1231MC002	MTWA0101MC002	MTWA0102MC002	MTWA0103MC002	MTWA0103MC002CL	MTWA0104MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.155 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	0.128 ppbv (J)	0.222 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.264 ppbv	3.46 ppbv (J)	< 0.0503 ppbv	0.429 ppbv	0.59 ppbv	1.22 ppbv	1.57 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	3.11 ppbv (J)	1.64 ppbv (J)	0.265 ppbv (J)	1.2 ppbv	1.37 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.41 ppbv	0.772 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.209 ppbv	0.211 ppbv	0.219 ppbv	0.22 ppbv	0.22 ppbv	0.21 ppbv	< 0.0819 ppbv	0.219 ppbv	0.213 ppbv	0.213 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			1/6/2024	1/7/2024	1/8/2024		1/9/2024	1/10/2024	1/11/2024	1/17/2024	1/20/2024	
Analytical Method	Analyte	Screening Value	MTWA0105MC002	MTWA0106MC002	MTWA0107MC002	MTWA0107MC002CL	MTWA0108MC002	MTWA0109MC002	MTWA0110MC002	MTWA0116MC002	MTWA0119MC002	MTWA0120MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.284 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	1.54 ppbv (B)	1.05 ppbv	0.686 ppbv (J)	0.213 ppbv (J)	0.153 ppbv (J)	< 0.0503 ppbv	0.218 ppbv	0.909 ppbv	1.47 ppbv	0.498 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.641 ppbv	0.116 ppbv (J)	0.565 ppbv	0.347 ppbv (J)	0.901 ppbv	1.12 ppbv	0.587 ppbv	1.08 ppbv	1.29 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	0.252 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	< 0.0819 ppbv	0.225 ppbv	0.237 ppbv	0.226 ppbv	0.199 ppbv (J)	0.228 ppbv	0.224 ppbv	< 0.0819 ppbv	0.256 ppbv	0.23 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			1/21/2024	1/22/2024		1/23/2024		1/24/2024	1/25/2024	1/26/2024		1/27/2024
Analytical Method	Analyte	Screening Value	MTWA0120MC002B	MTWA0121MC002	MTWA0121MC002CL	MTWA0122MC002	MTWA0123MC002	MTWA0123MC002B	MTWA0124MC002	MTWA0125MC002	MTWA0126MC002	MTWA0126MC002B
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.403 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	0.234 ppbv	0.211 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	0.278 ppbv	1.74 ppbv	1.25 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.277 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.822 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	0.842 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.18 ppbv	0.622 ppbv	0.946 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.207 ppbv	0.204 ppbv	0.224 ppbv	< 0.0819 ppbv	< 0.0819 ppbv	0.217 ppbv	0.212 ppbv	< 0.0819 ppbv	0.222 ppbv	0.215 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			1/28/2024	1/29/2024		1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024	2/4/2024
Analytical Method	Analyte	Screening Value	MTWA0127MC002	MTWA0128MC002	MTWA0129MC002	MTWA0129MC002B	MTWA0130MC002	MTWA0131MC002	MTWA0201MC002	MTWA0201MC002B	MTWA0202MC002	MTWA0203MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.239 ppbv	1.92 ppbv	< 0.0503 ppbv	0.345 ppbv	0.263 ppbv	< 0.0503 ppbv	2.06 ppbv	0.321 ppbv	< 0.0503 ppbv	0.434 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.841 ppbv	< 0.087 ppbv	1.89 ppbv	0.526 ppbv	1.99 ppbv	1.08 ppbv	1.53 ppbv	< 0.087 ppbv	0.529 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.258 ppbv	0.242 ppbv	< 0.0819 ppbv	0.211 ppbv	0.37 ppbv	0.241 ppbv	0.25 ppbv	0.25 ppbv	0.215 ppbv	0.239 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/4/2024	2/5/2024	2/6/2024	2/7/2024		2/8/2024	2/9/2024	2/10/2024		
Analytical Method	Analyte	Screening Value	MTWA0204MC002	MTWA0204MC002B	MTWA0205MC002	MTWA0206MC002	MTWA0207MC002	MTWA0207MC002B	MTWA0208MC002	MTWA0209MC002	MTWA0209MC002CL	MTWA0210MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.293 ppbv	0.292 ppbv	0.373 ppbv	0.284 ppbv	0.402 ppbv	0.609 ppbv	5.15 ppbv	1.63 ppbv	0.628 ppbv	0.359 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.673 ppbv	< 0.087 ppbv	1.57 ppbv	1.89 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.53 ppbv	0.602 ppbv	< 0.087 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	1.89 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.251 ppbv	0.242 ppbv	0.264 ppbv	0.244 ppbv	0.25 ppbv	0.226 ppbv	0.269 ppbv	0.249 ppbv	0.244 ppbv	0.239 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/11/2024	2/12/2024	2/13/2024		2/14/2024	2/16/2024		2/17/2024	2/18/2024	2/19/2024
Analytical Method	Analyte	Screening Value	MTWA0210MC002B	MTWA0211MC002	MTWA0212MC002	MTWA0213MC002	MTWA0213MC002B	MTWA0215MC002	MTWA0216MC002	MTWA0216MC002B	MTWA0217MC002	MTWA0218MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.37 ppbv	2.16 ppbv	3.12 ppbv	0.324 ppbv	0.716 ppbv	1.19 ppbv	0.892 ppbv	0.78 ppbv	0.351 ppbv (J3)	2.53 ppbv (J3)
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.816 ppbv	0.672 ppbv	1.43 ppbv	1.05 ppbv	< 0.087 ppbv	1.01 ppbv	1.2 ppbv	0.647 ppbv	0.973 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.238 ppbv	0.284 ppbv	0.226 ppbv	0.234 ppbv	0.256 ppbv	0.233 ppbv	0.242 ppbv	0.225 ppbv	0.246 ppbv	0.262 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/20/2024	2/21/2024		2/22/2024	2/23/2024		2/24/2024	2/25/2024	2/26/2024	2/27/2024
Analytical Method	Analyte	Screening Value	MTWA0219MC002	MTWA0220MC002	MTWA0221MC002A	MTWA0221MC002B	MTWA0222MC002	MTWA0222MC002CL	MTWA0223MC002	MTWA0224MC002	MTWA0225MC002	MTWA0226MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	0.509 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.0935 ppbv (J)	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.702 ppbv	0.227 ppbv	107 ppbv	1.13 ppbv	0.339 ppbv	1.47 ppbv	0.456 ppbv	0.207 ppbv	0.207 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	0.291 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	0.0933 ppbv (J)	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	0.213 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.14 ppbv	1.28 ppbv	27.8 ppbv	0.746 ppbv	0.413 ppbv (J)	1.57 ppbv	0.91 ppbv	0.749 ppbv	0.365 ppbv (J)	0.191 ppbv (J)
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.961 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.231 ppbv	0.228 ppbv	0.216 ppbv	0.199 ppbv (J)	0.253 ppbv	0.25 ppbv	0.269 ppbv	0.249 ppbv	0.244 ppbv	0.225 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02									
			Conway School, northeast of basketball courts									
			2/28/2024	2/29/2024	3/1/2024	3/2/2024		3/3/2024	3/4/2024	3/5/2024	3/6/2024	3/7/2024
Analytical Method	Analyte	Screening Value	MTWA0227MC002	MTWA0228MC002	MTWA0229MC002	MTWA0301MC002	MTWA0301MC002CL	MTWA0302MC002	MTWA0303MC002	MTWA0304MC002	MTWA0305MC002	MTWA0306MC002
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.0912 ppbv (J)
	Pentane	155.88 ppb [4]	0.353 ppbv	3.47 ppbv	0.23 ppbv	0.328 ppbv	0.336 ppbv	0.777 ppbv	0.252 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	0.841 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.874 ppbv	< 0.087 ppbv	0.304 ppbv (J)	1.45 ppbv	0.892 ppbv	0.899 ppbv	0.352 ppbv (J)	< 0.087 ppbv	0.84 ppbv	3.74 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.202 ppbv	0.235 ppbv	0.238 ppbv	0.242 ppbv	0.241 ppbv	0.212 ppbv	0.217 ppbv	0.249 ppbv	0.274 ppbv	0.271 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS02			AS03						
			Conway School, northeast of basketball courts			Conway Hill Rd; 100 ft south of Hwy 534						
			3/8/2024	3/9/2024	3/10/2024	12/13/2023	12/14/2023	12/15/2023	12/16/2023	12/17/2023	12/18/2023	12/19/2023
Analytical Method	Analyte	Screening Value	MTWA0307MC002	MTWA0308MC002	MTWA0309MC002	MTWA1212MC003	MTWA1213MC003	MTWA1214MC003	MTWA1215MC003	MTWA1216MC003	MTWA1217MC003	MTWA1218MC003
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	0.0865 ppbv (J)	3.13 ppbv	1.59 ppbv	3.54 ppbv	7.84 ppbv	2.86 ppbv	2.57 ppbv	1.41 ppbv
	Pentane	155.88 ppb [4]	1.63 ppbv	0.765 ppbv	< 0.0503 ppbv	4.4 ppbv	3.35 ppbv	5.62 ppbv	12.5 ppbv	5.18 ppbv	4.78 ppbv	3.72 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	1.84 ppbv	1.55 ppbv	13.6 ppbv	7.63 ppbv	20.8 ppbv	39 ppbv	13.1 ppbv	13 ppbv	6.48 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.273 ppbv	0.221 ppbv	0.219 ppbv	0.211 ppbv	0.169 ppbv (J)	0.194 ppbv (J)	0.219 ppbv	0.197 ppbv (J)	0.203 ppbv	0.218 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03 Conway Hill Rd; 100 ft south of Hwy 534									
			12/20/2023	12/21/2023	12/22/2023	12/23/2023		12/24/2023		12/25/2023	12/26/2023	12/27/2023
Analytical Method	Analyte	Screening Value	MTWA1219MC003	MTWA1220MC003	MTWA1221MC003	MTWA1222MC003	MTWA1223MC003	MTWA1223MC003B	MTWA1223MC003BCL	MTWA1224MC003	MTWA1225MC003	MTWA1226MC003
TO-15	o-Xylene	10.59 ppb [4]	0.539 ppbv	1.44 ppbv	0.423 ppbv	0.145 ppbv (J)	0.832 ppbv	0.446 ppbv	0.537 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.261 ppbv
	Pentane	155.88 ppb [4]	0.94 ppbv	2.6 ppbv	0.712 ppbv	0.948 ppbv	1.21 ppbv	1.57 ppbv	1.32 ppbv	< 0.0503 ppbv	63.7 ppbv	0.601 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	1.56 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	0.892 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	2.14 ppbv	7.07 ppbv	2.49 ppbv	2.46 ppbv	5.02 ppbv	2.13 ppbv	2.49 ppbv	< 0.087 ppbv	0.331 ppbv (J)	1.42 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.215 ppbv	0.215 ppbv	0.237 ppbv	0.215 ppbv	0.241 ppbv	0.203 ppbv	0.238 ppbv	0.206 ppbv	0.183 ppbv (J)	0.186 ppbv (J)
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			12/28/2023	12/29/2023	12/30/2023	12/31/2023		1/1/2024	1/2/2024	1/3/2024	1/4/2024	1/5/2024
Analytical Method	Analyte	Screening Value	MTWA1227MC003	MTWA1228MC003	MTWA1229MC003	MTWA1230MC003	MTWA1230MC003CL	MTWA1231MC003	MTWA0101MC003	MTWA0102MC003	MTWA0103MC003	MTWA0104MC003
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.229 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.0828 ppbv	0.353 ppbv	0.723 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	0.517 ppbv	0.215 ppbv	0.3 ppbv	0.24 ppbv	0.736 ppbv	1.48 ppbv	0.309 ppbv	< 0.0503 ppbv	0.289 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.945 ppbv	1.77 ppbv	0.321 ppbv (J)	0.802 ppbv	0.958 ppbv	1.51 ppbv	3.16 ppbv	< 0.087 ppbv	< 0.087 ppbv	0.701 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.0904 ppbv (J)	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	< 0.0819 ppbv	0.207 ppbv	0.221 ppbv	0.222 ppbv	0.214 ppbv	0.219 ppbv	0.2 ppbv	< 0.0819 ppbv	0.207 ppbv	0.22 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			1/5/2024	1/6/2024	1/7/2024	1/8/2024	1/9/2024		1/10/2024	1/11/2024	1/17/2024	1/20/2024
Analytical Method	Analyte	Screening Value	MTWA0104MC003CL	MTWA0105MC003	MTWA0106MC003	MTWA0107MC003	MTWA0108MC003	MTWA0108MC003CL	MTWA0109MC003	MTWA0110MC003	MTWA0116MC003	MTWA0119MC003
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	0.259 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.101 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.378 ppbv	0.266 ppbv (B)	0.487 ppbv	0.497 ppbv	0.224 ppbv	0.236 ppbv	0.308 ppbv	1.85 ppbv	1.03 ppbv	0.503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.871 ppbv	0.935 ppbv	2.86 ppbv	0.889 ppbv	0.861 ppbv	0.569 ppbv	0.202 ppbv (J)	1.04 ppbv	1.29 ppbv	0.626 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	0.43 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.218 ppbv	< 0.0819 ppbv	0.231 ppbv	0.197 ppbv (J)	0.202 ppbv	0.236 ppbv	0.225 ppbv	0.192 ppbv (J)	< 0.0819 ppbv	< 0.0819 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			1/20/2024		1/21/2024	1/22/2024	1/23/2024		1/24/2024	1/25/2024	1/26/2024	
Analytical Method	Analyte	Screening Value	MTWA0119MC003CL	MTWA0120MC003	MTWA0120MC003B	MTWA0121MC003	MTWA0122MC003	MTWA0123MC003	MTWA0123MC003B	MTWA0124MC003	MTWA0125MC003	MTWA0126MC003
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.491 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.542 ppbv	1.06 ppbv	0.461 ppbv	1.78 ppbv	0.239 ppbv	0.222 ppbv	0.203 ppbv	1.26 ppbv	0.295 ppbv	0.562 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.51 ppbv	3.62 ppbv	0.766 ppbv	0.596 ppbv	0.903 ppbv	0.57 ppbv	< 0.087 ppbv	1.03 ppbv	0.668 ppbv	0.786 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.246 ppbv	0.248 ppbv	0.216 ppbv	< 0.0819 ppbv	0.21 ppbv	< 0.0819 ppbv	0.217 ppbv	0.2 ppbv	< 0.0819 ppbv	0.205 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			1/27/2024	1/28/2024	1/29/2024		1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024
Analytical Method	Analyte	Screening Value	MTWA0126MC003B	MTWA0127MC003	MTWA0128MC003	MTWA0129MC003	MTWA0129MC003B	MTWA0130MC003	MTWA0131MC003	MTWA0201MC003	MTWA0201MC003B	MTWA0202MC003
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.282 ppbv	0.412 ppbv	< 0.0503 ppbv	< 0.0503 ppbv	0.351 ppbv	0.397 ppbv	0.567 ppbv	< 0.0503 ppbv	0.226 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	< 0.087 ppbv	1.77 ppbv	< 0.087 ppbv	1.35 ppbv	0.999 ppbv	1.56 ppbv	1.99 ppbv	4.1 ppbv	1.93 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.215 ppbv	0.25 ppbv	0.264 ppbv	< 0.0819 ppbv	0.21 ppbv	0.225 ppbv	0.234 ppbv	0.252 ppbv	0.25 ppbv	0.205 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			2/3/2024	2/4/2024		2/5/2024	2/6/2024	2/7/2024		2/8/2024	2/9/2024	2/10/2024
Analytical Method	Analyte	Screening Value	MTWA0202MC003CL	MTWA0203MC003	MTWA0204MC003	MTWA0204MC003B	MTWA0205MC003	MTWA0206MC003	MTWA0207MC003	MTWA0207MC003B	MTWA0208MC003	MTWA0209MC003
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.341 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.464 ppbv	2.02 ppbv	0.568 ppbv	1.37 ppbv	0.409 ppbv	0.294 ppbv	4.64 ppbv	0.617 ppbv	0.894 ppbv	0.398 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	1.25 ppbv	< 0.087 ppbv	3.21 ppbv	< 0.087 ppbv	1.37 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	< 0.0819 ppbv	0.237 ppbv	0.238 ppbv	0.236 ppbv	0.251 ppbv	0.257 ppbv	0.242 ppbv	0.236 ppbv	0.273 ppbv	0.279 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			2/10/2024	2/11/2024	2/12/2024	2/13/2024			2/14/2024	2/16/2024		2/17/2024
Analytical Method	Analyte	Screening Value	MTWA0210MC003	MTWA0210MC003B	MTWA0211MC003	MTWA0212MC003	MTWA0212MC003CL	MTWA0213MC003	MTWA0213MC003B	MTWA0215MC003	MTWA0216MC003	MTWA0216MC003B
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.506 ppbv
	Pentane	155.88 ppb [4]	0.514 ppbv	0.372 ppbv	0.718 ppbv	1.85 ppbv	0.991 ppbv	0.295 ppbv	0.412 ppbv	0.341 ppbv	0.346 ppbv	1.06 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.04 ppbv	1.45 ppbv	0.676 ppbv	0.684 ppbv	0.628 ppbv	< 0.087 ppbv	1.13 ppbv	< 0.087 ppbv	1.06 ppbv	2.46 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.243 ppbv	0.249 ppbv	0.298 ppbv	0.254 ppbv	0.223 ppbv	0.258 ppbv	0.263 ppbv	0.227 ppbv	0.239 ppbv	0.225 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03									
			Conway Hill Rd; 100 ft south of Hwy 534									
			2/18/2024	2/19/2024	2/20/2024	2/21/2024	2/22/2024	2/23/2024	2/24/2024	2/25/2024	2/26/2024	
Analytical Method	Analyte	Screening Value	MTWA0217MC003	MTWA0218MC003	MTWA0219MC003	MTWA0220MC003	MTWA0221MC003	MTWA0222MC003	MTWA0223MC003	MTWA0224MC003	MTWA0225MC003	MTWA0225MC003CL
TO-15	o-Xylene	10.59 ppb [4]	0.101 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	0.0852 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.16 ppbv (J)	0.217 ppbv
	Pentane	155.88 ppb [4]	0.36 ppbv (J3)	0.265 ppbv (J3)	0.433 ppbv	< 0.0503 ppbv	0.33 ppbv	0.924 ppbv	0.266 ppbv	0.231 ppbv	1.16 ppbv	0.29 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	0.098 ppbv (J)	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	0.0901 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.572 ppbv	0.624 ppbv	0.407 ppbv (J)	0.406 ppbv (J)	0.522 ppbv	1.03 ppbv	1.94 ppbv	1.15 ppbv	0.966 ppbv	1.13 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.236 ppbv	0.22 ppbv	0.238 ppbv	0.225 ppbv	0.22 ppbv	0.237 ppbv	0.263 ppbv	0.247 ppbv	0.24 ppbv	0.241 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

- Detection > Screening Value
- Detection
- Non-detection > Screening Value
- Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS03								AS04	
			Conway Hill Rd; 100 ft south of Hwy 534								Locken Hill Ln and Conway Hill Rd intersection	
			2/27/2024	2/28/2024	2/29/2024	3/1/2024	3/2/2024	3/3/2024	3/4/2024	3/5/2024	12/13/2023	12/14/2023
Analytical Method	Analyte	Screening Value	MTWA0226MC003	MTWA0227MC003	MTWA0228MC003	MTWA0229MC003	MTWA0301MC003	MTWA0302MC003	MTWA0303MC003	MTWA0304MC003	MTWA1212MC004	MTWA1213MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.124 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	0.0828 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.691 ppbv	0.434 ppbv
	Pentane	155.88 ppb [4]	0.231 ppbv	1.5 ppbv	4.74 ppbv	1.34 ppbv	0.257 ppbv	0.345 ppbv	0.156 ppbv (J)	< 0.0503 ppbv	1.45 ppbv	0.374 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	0.0931 ppbv (J)	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	0.406 ppbv	0.167 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.704 ppbv	1.13 ppbv	1.13 ppbv	0.673 ppbv	2.04 ppbv	0.69 ppbv	0.975 ppbv	< 0.087 ppbv	5.2 ppbv	1.6 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	0.921 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.203 ppbv	0.221 ppbv	0.248 ppbv	0.236 ppbv	0.233 ppbv	0.213 ppbv	0.232 ppbv	0.256 ppbv	0.199 ppbv (J)	0.157 ppbv (J)
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			12/15/2023	12/16/2023	12/17/2023	12/18/2023	12/19/2023	12/20/2023		12/21/2023	12/22/2023	12/23/2023
Analytical Method	Analyte	Screening Value	MTWA1214MC004	MTWA1215MC004	MTWA1216MC004	MTWA1217MC004	MTWA1218MC004	MTWA1219MC004	MTWA1220MC004	MTWA1220MC004B	MTWA1221MC004	MTWA1222MC004
TO-15	o-Xylene	10.59 ppb [4]	1.04 ppbv	1.57 ppbv	1.3 ppbv	0.266 ppbv	0.829 ppbv	0.161 ppbv (J)	0.317 ppbv	0.357 ppbv	0.0966 ppbv (J)	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	2.09 ppbv	2.52 ppbv	2.86 ppbv	1.19 ppbv	1.44 ppbv	0.478 ppbv	0.536 ppbv	0.898 ppbv	0.296 ppbv	0.69 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	1.26 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	5.58 ppbv	7.05 ppbv	6.12 ppbv	1.55 ppbv	3.48 ppbv	0.766 ppbv	1.44 ppbv	3.8 ppbv	0.588 ppbv	2.29 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.205 ppbv	0.22 ppbv	0.189 ppbv (J)	0.212 ppbv	0.201 ppbv	0.211 ppbv	0.211 ppbv	0.21 ppbv	0.215 ppbv	0.208 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	0.294 ppbv (J)	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

- Detection > Screening Value
- Detection
- Non-detection > Screening Value
- Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			12/24/2023		12/25/2023	12/26/2023	12/27/2023	12/28/2023	12/29/2023	12/30/2023	12/31/2023	
Analytical Method	Analyte	Screening Value	MTWA1223MC004	MTWA1224MC004	MTWA1224MC004B	MTWA1225MC004	MTWA1226MC004	MTWA1227MC004	MTWA1228MC004	MTWA1229MC004	MTWA1230MC004	MTWA1231MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.27 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.224 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	1.6 ppbv	0.461 ppbv	< 0.0503 ppbv	0.393 ppbv	5.14 ppbv	< 0.0503 ppbv	0.453 ppbv	8.05 ppbv	0.515 ppbv	0.354 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	0.0897 ppbv (J)	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.54 ppbv	1.09 ppbv	< 0.087 ppbv	0.219 ppbv (J)	0.997 ppbv	< 0.087 ppbv	< 0.087 ppbv	2.21 ppbv	0.629 ppbv	1.73 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.236 ppbv	0.237 ppbv	0.227 ppbv	0.194 ppbv (J)	0.196 ppbv (J)	0.203 ppbv	0.206 ppbv	0.227 ppbv	0.209 ppbv	0.22 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/1/2024	1/2/2024		1/3/2024	1/4/2024	1/5/2024	1/6/2024		1/7/2024	1/8/2024
Analytical Method	Analyte	Screening Value	MTWA1231MC004B	MTWA0101MC004	MTWA0101MC004CL	MTWA0102MC004	MTWA0103MC004	MTWA0104MC004	MTWA0105MC004	MTWA0105MC004CL	MTWA0106MC004	MTWA0107MC004
TO-15	o-Xylene	10.59 ppb [4]	0.129 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.325 ppbv	0.641 ppbv	0.516 ppbv	0.577 ppbv	< 0.0503 ppbv	0.364 ppbv	0.317 ppbv (B)	< 0.0503 ppbv	0.248 ppbv	0.148 ppbv (J)
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.21 ppbv	1.86 ppbv	2.05 ppbv	< 0.087 ppbv	1.67 ppbv	0.895 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.3 ppbv	0.149 ppbv (J)
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.94 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.222 ppbv	< 0.0819 ppbv	0.201 ppbv	< 0.0819 ppbv	0.213 ppbv	0.211 ppbv	< 0.0819 ppbv	< 0.0819 ppbv	0.226 ppbv	0.198 ppbv (J)
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

- Detection > Screening Value
- Detection
- Non-detection > Screening Value
- Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/9/2024	1/10/2024		1/11/2024	1/17/2024	1/20/2024			1/21/2024	1/22/2024
Analytical Method	Analyte	Screening Value	MTWA0108MC004	MTWA0109MC004	MTWA0109MC004CL	MTWA0110MC004	MTWA0116MC004	MTWA0119MC004	MTWA0120MC004	MTWA0120MC004CL	MTWA0120MC004B	MTWA0121MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	0.278 ppbv	0.139 ppbv (J)	1.3 ppbv	0.657 ppbv	0.786 ppbv	0.763 ppbv	0.709 ppbv	0.641 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.388 ppbv (J)	0.137 ppbv (J)	0.387 ppbv (J)	0.507 ppbv	0.525 ppbv	1.89 ppbv	1.52 ppbv	1.46 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.2 ppbv (B)	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.23 ppbv	0.227 ppbv	0.239 ppbv	0.198 ppbv (J)	< 0.0819 ppbv	0.218 ppbv	0.219 ppbv	0.246 ppbv	0.211 ppbv	0.207 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/23/2024			1/24/2024	1/25/2024	1/26/2024		1/27/2024	1/28/2024	1/29/2024
Analytical Method	Analyte	Screening Value	MTWA0122MC004	MTWA0122MC004CL	MTWA0123MC004	MTWA0123MC004B	MTWA0124MC004	MTWA0125MC004	MTWA0126MC004	MTWA0126MC004B	MTWA0127MC004	MTWA0128MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	0.242 ppbv	0.284 ppbv	0.272 ppbv	0.975 ppbv	< 0.0503 ppbv	0.243 ppbv	1.08 ppbv	< 0.0503 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	0.723 ppbv	0.205 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.29 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.646 ppbv	1.64 ppbv	0.696 ppbv	0.996 ppbv	1.31 ppbv	0.544 ppbv	< 0.087 ppbv	1.24 ppbv	< 0.087 ppbv	2.45 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	< 0.0819 ppbv	0.236 ppbv	0.204 ppbv	0.2 ppbv	< 0.0819 ppbv	0.204 ppbv	0.208 ppbv	0.208 ppbv	0.243 ppbv	0.273 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

- Detection > Screening Value
- Detection
- Non-detection > Screening Value
- Non-detection

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PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			1/29/2024	1/30/2024	1/31/2024	2/1/2024		2/2/2024	2/3/2024	2/4/2024	2/5/2024	2/6/2024
Analytical Method	Analyte	Screening Value	MTWA0129MC004	MTWA0129MC004B	MTWA0130MC004	MTWA0131MC004	MTWA0201MC004	MTWA0201MC004B	MTWA0202MC004	MTWA0204MC004	MTWA0204MC004B	MTWA0205MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.212 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.455 ppbv	0.702 ppbv	0.98 ppbv	0.375 ppbv	0.623 ppbv	0.656 ppbv	1.17 ppbv	0.813 ppbv	0.29 ppbv	0.687 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	< 0.087 ppbv	0.619 ppbv	0.886 ppbv	< 0.087 ppbv	2.4 ppbv	0.612 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.206 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	0.342 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	< 0.0819 ppbv	0.205 ppbv	0.244 ppbv	0.24 ppbv	0.243 ppbv	0.245 ppbv	0.248 ppbv	0.245 ppbv	0.242 ppbv	0.233 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			2/7/2024		2/8/2024	2/9/2024	2/10/2024		2/11/2024	2/12/2024	2/13/2024	
Analytical Method	Analyte	Screening Value	MTWA0206MC004	MTWA0207MC004	MTWA0207MC004B	MTWA0208MC004	MTWA0209MC004	MTWA0210MC004	MTWA0210MC004B	MTWA0211MC004	MTWA0212MC004	MTWA0213MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	1.28 ppbv	0.423 ppbv	0.439 ppbv	0.244 ppbv	0.343 ppbv	1.04 ppbv	0.343 ppbv	0.86 ppbv	0.512 ppbv	0.39 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.715 ppbv	< 0.087 ppbv	< 0.087 ppbv	1.08 ppbv	1.43 ppbv	0.983 ppbv	< 0.087 ppbv	0.651 ppbv	0.931 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.248 ppbv	0.228 ppbv	0.223 ppbv	0.259 ppbv	0.269 ppbv	0.244 ppbv	0.247 ppbv	0.28 ppbv	0.242 ppbv	0.267 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			2/14/2024	2/16/2024			2/17/2024	2/18/2024	2/19/2024	2/20/2024	2/21/2024	
Analytical Method	Analyte	Screening Value	MTWA0213MC004B	MTWA0215MC004	MTWA0215MC004CL	MTWA0216MC004	MTWA0216MC004B	MTWA0217MC004	MTWA0218MC004	MTWA0219MC004	MTWA0219MC004B	MTWA0220MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.245 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	0.497 ppbv	0.266 ppbv	0.342 ppbv	1.48 ppbv	0.58 ppbv	0.392 ppbv (J3)	0.384 ppbv (J3)	0.376 ppbv	1.25 ppbv	< 0.0503 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	1.59 ppbv	< 0.087 ppbv	0.626 ppbv	0.563 ppbv	2.93 ppbv	0.524 ppbv	0.552 ppbv	0.868 ppbv	0.255 ppbv (J)	0.322 ppbv (J)
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.25 ppbv	0.262 ppbv	0.249 ppbv	0.232 ppbv	0.225 ppbv	0.262 ppbv	0.238 ppbv	0.216 ppbv	0.233 ppbv	0.215 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04									
			Locken Hill Ln and Conway Hill Rd intersection									
			2/22/2024	2/23/2024	2/24/2024	2/25/2024	2/26/2024	2/27/2024	2/28/2024	2/29/2024		3/1/2024
Analytical Method	Analyte	Screening Value	MTWA0221MC004	MTWA0222MC004	MTWA0223MC004	MTWA0224MC004	MTWA0225MC004	MTWA0226MC004	MTWA0227MC004	MTWA0228MC004	MTWA0228MC004CL	MTWA0229MC004
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	0.0923 ppbv (J)	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.435 ppbv	0.236 ppbv	< 0.0828 ppbv
	Pentane	155.88 ppb [4]	< 0.0503 ppbv	0.213 ppbv	0.256 ppbv	0.173 ppbv (J)	1.08 ppbv	0.25 ppbv	0.46 ppbv	0.63 ppbv	55.2 ppbv	0.711 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	0.377 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv	0.283 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.257 ppbv (J)	0.814 ppbv	< 0.087 ppbv	0.251 ppbv (J)	0.326 ppbv (J)	0.255 ppbv (J)	0.571 ppbv	3.49 ppbv	9.89 ppbv	< 0.087 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.37 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	0.091 ppbv (J)	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.226 ppbv	0.23 ppbv	0.272 ppbv	0.235 ppbv	0.246 ppbv	0.212 ppbv	0.215 ppbv	0.243 ppbv	0.25 ppbv	0.245 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Preliminary Laboratory Results | Minican

PROJ-032692 | Olympic Pipeline Gasoline Spill - Conway, WA

Data Updated at 9/17/2024 11:19:00 AM

			AS04				
			Locken Hill Ln and Conway Hill Rd intersection				
			3/2/2024	3/3/2024	3/4/2024	3/5/2024	
Analytical Method	Analyte	Screening Value	MTWA0301MC004	MTWA0302MC004	MTWA0303MC004	MTWA0304MC004	MTWA0304MC004CL
TO-15	o-Xylene	10.59 ppb [4]	< 0.0828 ppbv	1.6 ppbv	< 0.0828 ppbv	< 0.0828 ppbv	0.185 ppbv (J)
	Pentane	155.88 ppb [4]	0.21 ppbv	62.5 ppbv	0.141 ppbv (J)	0.479 ppbv	2.37 ppbv
	Propene	180.12 ppb [5]	< 0.0932 ppbv	2.33 ppbv	< 0.0932 ppbv	< 0.0932 ppbv	< 0.0932 ppbv
	Styrene	200 ppb [2]	< 0.0788 ppbv	2 ppbv	< 0.0788 ppbv	< 0.0788 ppbv	< 0.0788 ppbv
	Tetrachloroethylene	6 ppb [1]	< 0.0814 ppbv	0.104 ppbv (J)	< 0.0814 ppbv	< 0.0814 ppbv	< 0.0814 ppbv
	Tetrahydrofuran	308.56 ppb [4]	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv	< 0.0734 ppbv
	Toluene	1000 ppb [2]	0.449 ppbv (J)	27.4 ppbv	0.164 ppbv (J)	2.61 ppbv	0.821 ppbv
	trans-1,2-Dichloroethene	3000 ppb [3]	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv	< 0.0673 ppbv
	trans-1,3-Dichloropropene	NA	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv	< 0.0728 ppbv
	Trichloroethylene	0.4 ppb [1]	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv	< 0.068 ppbv
	Trichlorofluoromethane	56.96 ppb [4]	0.24 ppbv	0.212 ppbv	0.234 ppbv	0.257 ppbv	0.279 ppbv
	Vinyl acetate	700 ppb [1]	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv	< 0.116 ppbv
	Vinyl Bromide	0.32 ppb [4]	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv	< 0.0852 ppbv
	Vinyl chloride	20 ppb [1]	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv	< 0.0949 ppbv

Detection > Screening Value

Detection

Non-detection > Screening Value

Non-detection

Appendix E

Analytical Sampling Lab Reports

ANALYTICAL REPORT

February 21, 2024

Revised Report

CTEH - ER

Sample Delivery Group:	L1689341
Samples Received:	12/19/2023
Project Number:	032692
Description:	032692

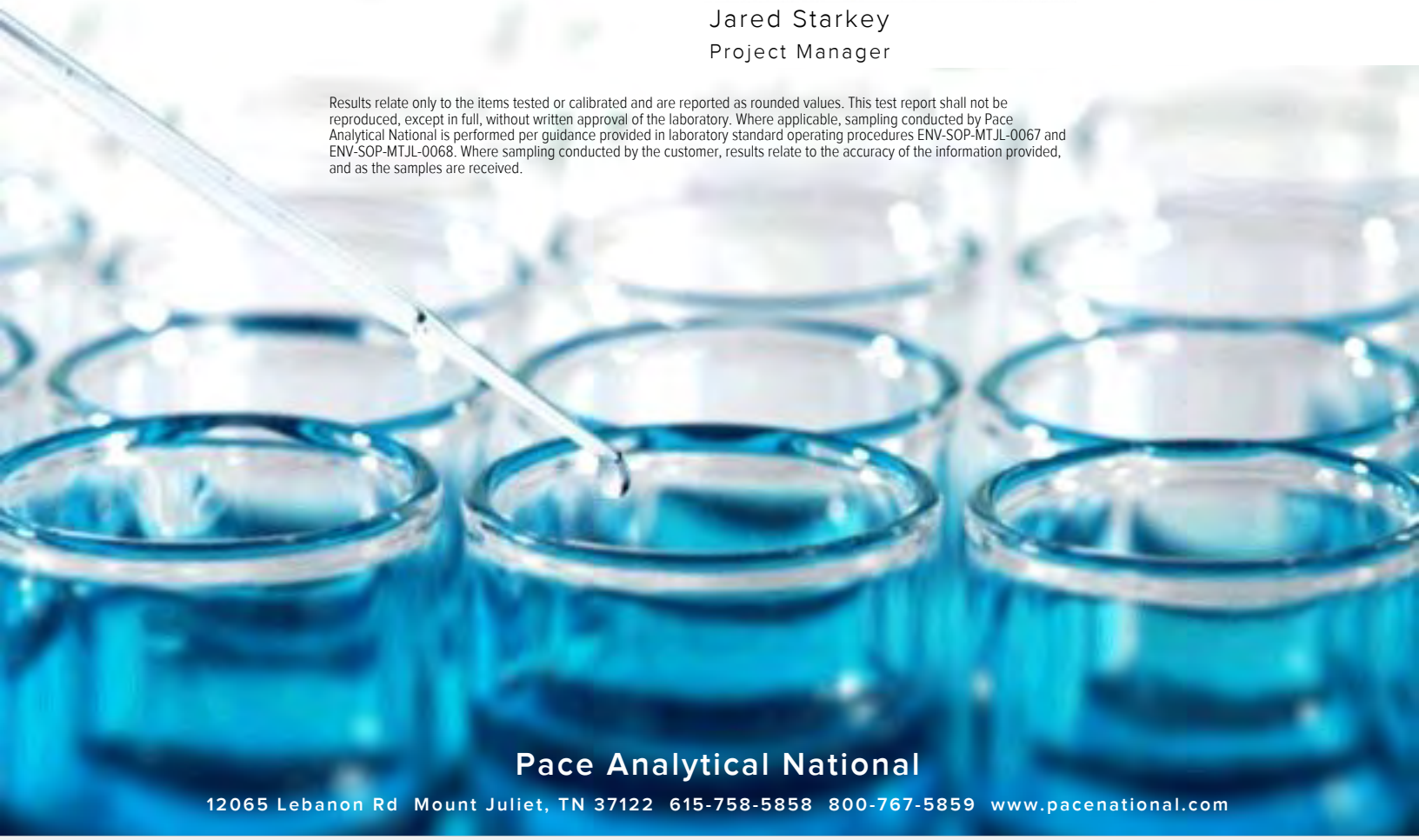
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1216MC001 L1689341-01 Air

Collected by	Collected date/time	Received date/time
	12/17/23 17:30	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 11:40	12/19/23 11:40	DAH	Mt. Juliet, TN

MTWA1216MC002 L1689341-02 Air

Collected by	Collected date/time	Received date/time
	12/17/23 11:50	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 12:07	12/19/23 12:07	DAH	Mt. Juliet, TN

MTWA1216MC003 L1689341-03 Air

Collected by	Collected date/time	Received date/time
	12/17/23 13:43	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 12:35	12/19/23 12:35	DAH	Mt. Juliet, TN

MTWA1216MC004 L1689341-04 Air

Collected by	Collected date/time	Received date/time
	12/17/23 13:25	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 13:02	12/19/23 13:02	DAH	Mt. Juliet, TN

MTWA1214MC001 L1689341-05 Air

Collected by	Collected date/time	Received date/time
	12/15/23 17:45	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 13:30	12/19/23 13:30	DAH	Mt. Juliet, TN

MTWA1214MC002 L1689341-06 Air

Collected by	Collected date/time	Received date/time
	12/15/23 00:00	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 13:57	12/19/23 13:57	DAH	Mt. Juliet, TN

MTWA1214MC003 L1689341-07 Air

Collected by	Collected date/time	Received date/time
	12/15/23 17:01	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 14:25	12/19/23 14:25	DAH	Mt. Juliet, TN

MTWA1214MC004 L1689341-08 Air

Collected by	Collected date/time	Received date/time
	12/15/23 17:25	12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192055	1	12/19/23 14:52	12/19/23 14:52	DAH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 12/19/23 20:08
Level II Report - Version 2: 02/20/24 16:45

Project Comments

COC Checklist correction
MDL

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2192055	(LCSD) R4014425-2, L1689341-01, 02, 03, 04, 05, 06, 07, 08	n-Decane

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1216MC001	L1689341-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.81	11.4		1	WG2192055
MTWA1216MC001	L1689341-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.641	2.05		1	WG2192055
MTWA1216MC001	L1689341-01	Butane	106-97-8	58	0.0522	0.200	0.474	2.07	4.91		1	WG2192055
MTWA1216MC001	L1689341-01	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.128	0.398	J	1	WG2192055
MTWA1216MC001	L1689341-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.539	1.11		1	WG2192055
MTWA1216MC001	L1689341-01	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.40	8.27		1	WG2192055
MTWA1216MC001	L1689341-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.88	13.0		1	WG2192055
MTWA1216MC001	L1689341-01	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.16	5.03		1	WG2192055
MTWA1216MC001	L1689341-01	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.266	1.31		1	WG2192055
MTWA1216MC001	L1689341-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.191	1.07	J	1	WG2192055
MTWA1216MC001	L1689341-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.401	1.98		1	WG2192055
MTWA1216MC001	L1689341-01	Heptane	142-82-5	100	0.104	0.200	0.818	2.53	10.3		1	WG2192055
MTWA1216MC001	L1689341-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.04	7.19		1	WG2192055
MTWA1216MC001	L1689341-01	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.193	0.949	J	1	WG2192055
MTWA1216MC001	L1689341-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.348	1.21		1	WG2192055
MTWA1216MC001	L1689341-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.304	0.896	J	1	WG2192055
MTWA1216MC001	L1689341-01	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.287	1.51		1	WG2192055
MTWA1216MC001	L1689341-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.80	8.26		1	WG2192055
MTWA1216MC001	L1689341-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.952	2.34	J	1	WG2192055
MTWA1216MC001	L1689341-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	8.01	30.2		1	WG2192055
MTWA1216MC001	L1689341-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.793	3.89		1	WG2192055
MTWA1216MC001	L1689341-01	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.250	1.23		1	WG2192055
MTWA1216MC001	L1689341-01	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.418	1.95		1	WG2192055
MTWA1216MC001	L1689341-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.88	16.8		1	WG2192055
MTWA1216MC001	L1689341-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.59	6.89		1	WG2192055
MTWA1216MC002	L1689341-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.51	5.96		1	WG2192055
MTWA1216MC002	L1689341-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.270	0.862		1	WG2192055
MTWA1216MC002	L1689341-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.965	2.29		1	WG2192055
MTWA1216MC002	L1689341-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.402	0.830		1	WG2192055
MTWA1216MC002	L1689341-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.902	3.11		1	WG2192055
MTWA1216MC002	L1689341-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.19	6.01		1	WG2192055
MTWA1216MC002	L1689341-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.411	1.78		1	WG2192055
MTWA1216MC002	L1689341-02	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0857	0.421	J	1	WG2192055
MTWA1216MC002	L1689341-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.189	1.06	J	1	WG2192055
MTWA1216MC002	L1689341-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.398	1.97		1	WG2192055
MTWA1216MC002	L1689341-02	Heptane	142-82-5	100	0.104	0.200	0.818	0.949	3.88		1	WG2192055
MTWA1216MC002	L1689341-02	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.776	2.74		1	WG2192055
MTWA1216MC002	L1689341-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.195	0.677	J	1	WG2192055
MTWA1216MC002	L1689341-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.196	0.578	J	1	WG2192055
MTWA1216MC002	L1689341-02	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.116	0.609	J	1	WG2192055
MTWA1216MC002	L1689341-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.10	3.25		1	WG2192055
MTWA1216MC002	L1689341-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.01	2.48	J	1	WG2192055
MTWA1216MC002	L1689341-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.72	10.2		1	WG2192055
MTWA1216MC002	L1689341-02	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.227	1.11		1	WG2192055
MTWA1216MC002	L1689341-02	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0781	0.383	J	1	WG2192055
MTWA1216MC002	L1689341-02	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.162	0.757	J	1	WG2192055
MTWA1216MC002	L1689341-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.38	5.98		1	WG2192055
MTWA1216MC002	L1689341-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.552	2.39		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1216MC003	L1689341-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.10	14.5		1	WG2192055
MTWA1216MC003	L1689341-03	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.23	2.67	J	1	WG2192055
MTWA1216MC003	L1689341-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.640	2.04		1	WG2192055
MTWA1216MC003	L1689341-03	Butane	106-97-8	58	0.0522	0.200	0.474	3.03	7.19		1	WG2192055
MTWA1216MC003	L1689341-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.454	0.938		1	WG2192055
MTWA1216MC003	L1689341-03	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.06	14.0		1	WG2192055
MTWA1216MC003	L1689341-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	47.2	89.0		1	WG2192055
MTWA1216MC003	L1689341-03	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	2.13	9.23		1	WG2192055
MTWA1216MC003	L1689341-03	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.492	2.41		1	WG2192055
MTWA1216MC003	L1689341-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.197	1.11	J	1	WG2192055
MTWA1216MC003	L1689341-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2192055
MTWA1216MC003	L1689341-03	Heptane	142-82-5	100	0.104	0.200	0.818	4.36	17.8		1	WG2192055
MTWA1216MC003	L1689341-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	3.57	12.6		1	WG2192055
MTWA1216MC003	L1689341-03	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.144	0.708	J	1	WG2192055
MTWA1216MC003	L1689341-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.783	2.72		1	WG2192055
MTWA1216MC003	L1689341-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.422	1.24	J	1	WG2192055
MTWA1216MC003	L1689341-03	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.551	2.89		1	WG2192055
MTWA1216MC003	L1689341-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	5.18	15.3		1	WG2192055
MTWA1216MC003	L1689341-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	8.92	21.9		1	WG2192055
MTWA1216MC003	L1689341-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	13.1	49.3		1	WG2192055
MTWA1216MC003	L1689341-03	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	1.43	7.02		1	WG2192055
MTWA1216MC003	L1689341-03	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.421	2.07		1	WG2192055
MTWA1216MC003	L1689341-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.735	3.43		1	WG2192055
MTWA1216MC003	L1689341-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	7.08	30.7		1	WG2192055
MTWA1216MC003	L1689341-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	2.86	12.4		1	WG2192055
MTWA1216MC004	L1689341-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.65	11.0		1	WG2192055
MTWA1216MC004	L1689341-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.484	1.55		1	WG2192055
MTWA1216MC004	L1689341-04	Butane	106-97-8	58	0.0522	0.200	0.474	1.97	4.67		1	WG2192055
MTWA1216MC004	L1689341-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.444	0.917		1	WG2192055
MTWA1216MC004	L1689341-04	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.90	6.54		1	WG2192055
MTWA1216MC004	L1689341-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	35.4	66.7		1	WG2192055
MTWA1216MC004	L1689341-04	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.988	4.28		1	WG2192055
MTWA1216MC004	L1689341-04	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.201	0.987		1	WG2192055
MTWA1216MC004	L1689341-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.189	1.06	J	1	WG2192055
MTWA1216MC004	L1689341-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.395	1.95		1	WG2192055
MTWA1216MC004	L1689341-04	Heptane	142-82-5	100	0.104	0.200	0.818	1.98	8.10		1	WG2192055
MTWA1216MC004	L1689341-04	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.85	6.52		1	WG2192055
MTWA1216MC004	L1689341-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.822	2.85		1	WG2192055
MTWA1216MC004	L1689341-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.486	1.43	J	1	WG2192055
MTWA1216MC004	L1689341-04	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.238	1.25		1	WG2192055
MTWA1216MC004	L1689341-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.86	8.44		1	WG2192055
MTWA1216MC004	L1689341-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.60	18.7		1	WG2192055
MTWA1216MC004	L1689341-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	6.12	23.1		1	WG2192055
MTWA1216MC004	L1689341-04	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.563	2.76		1	WG2192055
MTWA1216MC004	L1689341-04	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.186	0.913	J	1	WG2192055
MTWA1216MC004	L1689341-04	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.374	1.75		1	WG2192055
MTWA1216MC004	L1689341-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.26	14.1		1	WG2192055
MTWA1216MC004	L1689341-04	o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.30	5.64		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1214MC001	L1689341-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.87	6.82		1	WG2192055
MTWA1214MC001	L1689341-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.502	1.60		1	WG2192055
MTWA1214MC001	L1689341-05	Butane	106-97-8	58	0.0522	0.200	0.474	2.21	5.24		1	WG2192055
MTWA1214MC001	L1689341-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.493	1.02		1	WG2192055
MTWA1214MC001	L1689341-05	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.58	8.88		1	WG2192055
MTWA1214MC001	L1689341-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.62	16.3		1	WG2192055
MTWA1214MC001	L1689341-05	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.09	4.73		1	WG2192055
MTWA1214MC001	L1689341-05	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.195	0.957	J	1	WG2192055
MTWA1214MC001	L1689341-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2192055
MTWA1214MC001	L1689341-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.410	2.03		1	WG2192055
MTWA1214MC001	L1689341-05	Heptane	142-82-5	100	0.104	0.200	0.818	2.55	10.4		1	WG2192055
MTWA1214MC001	L1689341-05	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.14	7.54		1	WG2192055
MTWA1214MC001	L1689341-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.381	1.32		1	WG2192055
MTWA1214MC001	L1689341-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.301	0.888	J	1	WG2192055
MTWA1214MC001	L1689341-05	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.252	1.32		1	WG2192055
MTWA1214MC001	L1689341-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.07	9.06		1	WG2192055
MTWA1214MC001	L1689341-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.34	3.29		1	WG2192055
MTWA1214MC001	L1689341-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	7.58	28.6		1	WG2192055
MTWA1214MC001	L1689341-05	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.596	2.93		1	WG2192055
MTWA1214MC001	L1689341-05	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.195	0.957	J	1	WG2192055
MTWA1214MC001	L1689341-05	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.450	2.10		1	WG2192055
MTWA1214MC001	L1689341-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.59	15.6		1	WG2192055
MTWA1214MC001	L1689341-05	o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.42	6.16		1	WG2192055
MTWA1214MC002	L1689341-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.82	13.8		1	WG2192055
MTWA1214MC002	L1689341-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.438	1.40		1	WG2192055
MTWA1214MC002	L1689341-06	Butane	106-97-8	58	0.0522	0.200	0.474	1.22	2.89		1	WG2192055
MTWA1214MC002	L1689341-06	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.157	0.414	J	1	WG2192055
MTWA1214MC002	L1689341-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.554	1.14		1	WG2192055
MTWA1214MC002	L1689341-06	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.05	3.62		1	WG2192055
MTWA1214MC002	L1689341-06	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.0921	0.536	J J4	1	WG2192055
MTWA1214MC002	L1689341-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.3	27.0		1	WG2192055
MTWA1214MC002	L1689341-06	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.553	2.40		1	WG2192055
MTWA1214MC002	L1689341-06	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.110	0.540	J	1	WG2192055
MTWA1214MC002	L1689341-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.208	1.17		1	WG2192055
MTWA1214MC002	L1689341-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2192055
MTWA1214MC002	L1689341-06	Heptane	142-82-5	100	0.104	0.200	0.818	2.95	12.1		1	WG2192055
MTWA1214MC002	L1689341-06	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.988	3.48		1	WG2192055
MTWA1214MC002	L1689341-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.366	1.27		1	WG2192055
MTWA1214MC002	L1689341-06	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.165	0.866	J	1	WG2192055
MTWA1214MC002	L1689341-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.88	5.55		1	WG2192055
MTWA1214MC002	L1689341-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.23	3.02	J	1	WG2192055
MTWA1214MC002	L1689341-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.13	19.3		1	WG2192055
MTWA1214MC002	L1689341-06	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.314	1.54		1	WG2192055
MTWA1214MC002	L1689341-06	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.101	0.496	J	1	WG2192055
MTWA1214MC002	L1689341-06	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.255	1.19		1	WG2192055
MTWA1214MC002	L1689341-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.80	7.80		1	WG2192055
MTWA1214MC002	L1689341-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.718	3.11		1	WG2192055

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1214MC003	L1689341-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	21.1	50.1		1	WG2192055
MTWA1214MC003	L1689341-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.35	4.31		1	WG2192055
MTWA1214MC003	L1689341-07	Butane	106-97-8	58	0.0522	0.200	0.474	3.48	8.26		1	WG2192055
MTWA1214MC003	L1689341-07	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.158	0.492	J	1	WG2192055
MTWA1214MC003	L1689341-07	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.304	0.802		1	WG2192055
MTWA1214MC003	L1689341-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.618	1.28		1	WG2192055
MTWA1214MC003	L1689341-07	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.87	16.8		1	WG2192055
MTWA1214MC003	L1689341-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	23.4	44.1		1	WG2192055
MTWA1214MC003	L1689341-07	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	2.72	11.8		1	WG2192055
MTWA1214MC003	L1689341-07	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.596	2.93		1	WG2192055
MTWA1214MC003	L1689341-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.194	1.09	J	1	WG2192055
MTWA1214MC003	L1689341-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.417	2.06		1	WG2192055
MTWA1214MC003	L1689341-07	Heptane	142-82-5	100	0.104	0.200	0.818	6.08	24.9		1	WG2192055
MTWA1214MC003	L1689341-07	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	4.34	15.3		1	WG2192055
MTWA1214MC003	L1689341-07	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.170	0.836	J	1	WG2192055
MTWA1214MC003	L1689341-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.485	1.68		1	WG2192055
MTWA1214MC003	L1689341-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.34	3.95		1	WG2192055
MTWA1214MC003	L1689341-07	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.664	3.48		1	WG2192055
MTWA1214MC003	L1689341-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	5.62	16.6		1	WG2192055
MTWA1214MC003	L1689341-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.21	2.97	J	1	WG2192055
MTWA1214MC003	L1689341-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	20.8	78.4		1	WG2192055
MTWA1214MC003	L1689341-07	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	1.75	8.59		1	WG2192055
MTWA1214MC003	L1689341-07	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.522	2.56		1	WG2192055
MTWA1214MC003	L1689341-07	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.845	3.95		1	WG2192055
MTWA1214MC003	L1689341-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	9.02	39.1		1	WG2192055
MTWA1214MC003	L1689341-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	3.54	15.3		1	WG2192055
MTWA1214MC004	L1689341-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.53	17.9		1	WG2192055
MTWA1214MC004	L1689341-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.405	1.29		1	WG2192055
MTWA1214MC004	L1689341-08	Butane	106-97-8	58	0.0522	0.200	0.474	1.64	3.89		1	WG2192055
MTWA1214MC004	L1689341-08	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.301	0.937		1	WG2192055
MTWA1214MC004	L1689341-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.521	1.08		1	WG2192055
MTWA1214MC004	L1689341-08	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.72	5.92		1	WG2192055
MTWA1214MC004	L1689341-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.02	17.0		1	WG2192055
MTWA1214MC004	L1689341-08	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.809	3.51		1	WG2192055
MTWA1214MC004	L1689341-08	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.157	0.771	J	1	WG2192055
MTWA1214MC004	L1689341-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.205	1.15		1	WG2192055
MTWA1214MC004	L1689341-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2192055
MTWA1214MC004	L1689341-08	Heptane	142-82-5	100	0.104	0.200	0.818	1.76	7.20		1	WG2192055
MTWA1214MC004	L1689341-08	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.48	5.22		1	WG2192055
MTWA1214MC004	L1689341-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.402	1.40		1	WG2192055
MTWA1214MC004	L1689341-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.663	1.96	J	1	WG2192055
MTWA1214MC004	L1689341-08	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.179	0.939	J	1	WG2192055
MTWA1214MC004	L1689341-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.09	6.17		1	WG2192055
MTWA1214MC004	L1689341-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.27	3.12		1	WG2192055
MTWA1214MC004	L1689341-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.58	21.0		1	WG2192055
MTWA1214MC004	L1689341-08	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.428	2.10		1	WG2192055
MTWA1214MC004	L1689341-08	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.124	0.609	J	1	WG2192055
MTWA1214MC004	L1689341-08	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.328	1.53		1	WG2192055
MTWA1214MC004	L1689341-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.60	11.3		1	WG2192055
MTWA1214MC004	L1689341-08	o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.04	4.51		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.81	11.4		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.641	2.05		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	2.07	4.91		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.128	0.398	J	1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.539	1.11		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.40	8.27		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.88	13.0		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.16	5.03		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.266	1.31		1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.191	1.07	J	1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.401	1.98		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	2.53	10.3		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.04	7.19		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.193	0.949	J	1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.348	1.21		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.304	0.896	J	1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.287	1.51		1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.80	8.26		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.952	2.34	J	1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	8.01	30.2		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.793	3.89		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.250	1.23		1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.418	1.95		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.88	16.8		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.59	6.89		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*100*				WG2192055

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.51	5.96		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.270	0.862		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	0.965	2.29		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.402	0.830		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.902	3.11		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.19	6.01		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.411	1.78		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0857	0.421	J	1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.189	1.06	J	1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.398	1.97		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	0.949	3.88		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.776	2.74		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.195	0.677	J	1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.196	0.578	J	1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.116	0.609	J	1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.10	3.25		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.01	2.48	J	1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.72	10.2		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.227	1.11		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0781	0.383	J	1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.162	0.757	J	1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.38	5.98		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.552	2.39		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*102*				WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.10	14.5		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.23	2.67	J	1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.640	2.04		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	3.03	7.19		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.454	0.938		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.06	14.0		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	47.2	89.0		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	2.13	9.23		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.492	2.41		1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.197	1.11	J	1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	4.36	17.8		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	3.57	12.6		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.144	0.708	J	1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.783	2.72		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.422	1.24	J	1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.551	2.89		1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	5.18	15.3		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	8.92	21.9		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	13.1	49.3		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	1.43	7.02		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.421	2.07		1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.735	3.43		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	7.08	30.7		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	2.86	12.4		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*100*				WG2192055

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.65	11.0		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.484	1.55		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	1.97	4.67		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.444	0.917		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.90	6.54		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	35.4	66.7		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.988	4.28		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.201	0.987		1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.189	1.06	J	1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.395	1.95		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	1.98	8.10		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.85	6.52		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.822	2.85		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.486	1.43	J	1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.238	1.25		1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.86	8.44		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.60	18.7		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	6.12	23.1		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.563	2.76		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.186	0.913	J	1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.374	1.75		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.26	14.1		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.30	5.64		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*104*				WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.87	6.82		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.502	1.60		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	2.21	5.24		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.493	1.02		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.58	8.88		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.62	16.3		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.09	4.73		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.195	0.957	J	1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.410	2.03		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	2.55	10.4		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.14	7.54		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.381	1.32		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.301	0.888	J	1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.252	1.32		1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.07	9.06		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.34	3.29		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	7.58	28.6		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.596	2.93		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.195	0.957	J	1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.450	2.10		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.59	15.6		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.42	6.16		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*104*				WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.82	13.8		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.438	1.40		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	1.22	2.89		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.157	0.414	J	1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.554	1.14		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.05	3.62		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.0921	0.536	J J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.3	27.0		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.553	2.40		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.110	0.540	J	1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.208	1.17		1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	2.95	12.1		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.988	3.48		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.366	1.27		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.165	0.866	J	1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.88	5.55		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.23	3.02	J	1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.13	19.3		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.314	1.54		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.101	0.496	J	1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.255	1.19		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.80	7.80		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.718	3.11		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*101*				WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	21.1	50.1		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.35	4.31		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	3.48	8.26		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.158	0.492	J	1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.304	0.802		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.618	1.28		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.87	16.8		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	23.4	44.1		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	2.72	11.8		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.596	2.93		1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.194	1.09	J	1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.417	2.06		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	6.08	24.9		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	4.34	15.3		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.170	0.836	J	1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.485	1.68		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.34	3.95		1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.664	3.48		1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	5.62	16.6		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.21	2.97	J	1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	20.8	78.4		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	1.75	8.59		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.522	2.56		1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.845	3.95		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	9.02	39.1		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	3.54	15.3		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*103*				WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.53	17.9		1	WG2192055
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192055
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192055
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192055
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.405	1.29		1	WG2192055
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192055
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192055
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192055
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192055
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192055
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192055
Butane	106-97-8	58	0.0522	0.200	0.474	1.64	3.89		1	WG2192055
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.301	0.937		1	WG2192055
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192055
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192055
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192055
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192055
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.521	1.08		1	WG2192055
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192055
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.72	5.92		1	WG2192055
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192055
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192055
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192055
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192055
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192055
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192055
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192055
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192055
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192055
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192055
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192055
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192055
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192055
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192055
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192055
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.02	17.0		1	WG2192055
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.809	3.51		1	WG2192055
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.157	0.771	J	1	WG2192055
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.205	1.15		1	WG2192055
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2192055
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192055
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192055
Heptane	142-82-5	100	0.104	0.200	0.818	1.76	7.20		1	WG2192055
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192055
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.48	5.22		1	WG2192055
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192055
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.402	1.40		1	WG2192055
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192055
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.663	1.96	J	1	WG2192055
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192055
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192055
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192055
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192055
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.179	0.939	J	1	WG2192055
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.09	6.17		1	WG2192055
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.27	3.12		1	WG2192055

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192055
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192055
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192055
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192055
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192055
Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.58	21.0		1	WG2192055
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192055
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192055
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192055
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192055
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.428	2.10		1	WG2192055
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.124	0.609	J	1	WG2192055
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.328	1.53		1	WG2192055
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192055
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192055
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192055
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.60	11.3		1	WG2192055
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.04	4.51		1	WG2192055
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.3*				WG2192055

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4014425-3 12/19/23 09:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0559	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4014425-3 12/19/23 09:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*99.3*			*60.0-140*

QUALITY CONTROL SUMMARY

L1689341-01,02,03,04,05,06,07,08

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4014425-1 12/19/23 08:54 • (LCSD) R4014425-2 12/19/23 09:23

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.83	3.82	102	102	70.0-130			0.261	25
Acetonitrile	18.8	21.3	20.8	113	111	70.0-130			2.38	25
Acrylonitrile	3.75	4.21	3.90	112	104	70.0-130			7.64	25
Allyl chloride	3.75	4.15	4.07	111	109	70.0-130			1.95	25
Benzene	3.75	3.95	3.92	105	105	70.0-130			0.762	25
Benzyl Chloride	3.75	4.12	4.24	110	113	70.0-152			2.87	25
Bromodichloromethane	3.75	3.79	3.74	101	99.7	70.0-130			1.33	25
Bromoform	3.75	3.46	3.42	92.3	91.2	70.0-130			1.16	25
Bromomethane	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
Bromoethane	3.75	3.62	3.67	96.5	97.9	70.0-130			1.37	25
1,3-Butadiene	3.75	3.74	3.73	99.7	99.5	70.0-130			0.268	25
Butane	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Carbon disulfide	3.75	3.57	3.59	95.2	95.7	70.0-130			0.559	25
Carbon tetrachloride	3.75	3.61	3.63	96.3	96.8	70.0-130			0.552	25
Chlorobenzene	3.75	3.76	3.71	100	98.9	70.0-130			1.34	25
Chloroethane	3.75	3.97	3.86	106	103	70.0-130			2.81	25
Chloroform	3.75	3.89	3.90	104	104	70.0-130			0.257	25
Chloromethane	3.75	4.09	4.03	109	107	70.0-130			1.48	25
2-Chlorotoluene	3.75	3.90	3.98	104	106	70.0-130			2.03	25
Cyclohexane	3.75	3.91	3.96	104	106	70.0-130			1.27	25
n-Decane	3.75	4.86	4.90	130	131	70.0-130		J4	0.820	25
Dibromochloromethane	3.75	3.58	3.56	95.5	94.9	70.0-130			0.560	25
1,2-Dibromoethane	3.75	3.82	3.75	102	100	70.0-130			1.85	25
1,2-Dichlorobenzene	3.75	3.77	3.79	101	101	70.0-130			0.529	25
1,3-Dichlorobenzene	3.75	3.88	3.97	103	106	70.0-130			2.29	25
1,4-Dichlorobenzene	3.75	3.89	3.92	104	105	70.0-130			0.768	25
1,2-Dichloroethane	3.75	3.81	3.78	102	101	70.0-130			0.791	25
1,1-Dichloroethane	3.75	4.08	4.10	109	109	70.0-130			0.489	25
1,1-Dichloroethene	3.75	3.87	3.86	103	103	70.0-130			0.259	25
cis-1,2-Dichloroethene	3.75	4.09	4.05	109	108	70.0-130			0.983	25
trans-1,2-Dichloroethene	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
1,2-Dichloropropane	3.75	4.10	4.10	109	109	70.0-130			0.000	25
cis-1,3-Dichloropropene	3.75	3.86	3.75	103	100	70.0-130			2.89	25
trans-1,3-Dichloropropene	3.75	3.85	3.76	103	100	70.0-130			2.37	25
1,4-Dioxane	3.75	3.92	4.02	105	107	70.0-140			2.52	25
Ethanol	3.75	4.84	4.97	129	133	55.0-148			2.65	25
Ethylbenzene	3.75	3.90	3.96	104	106	70.0-130			1.53	25
4-Ethyltoluene	3.75	3.91	4.00	104	107	70.0-130			2.28	25
Trichlorofluoromethane	3.75	3.58	3.59	95.5	95.7	70.0-130			0.279	25
Dichlorodifluoromethane	3.75	3.57	3.64	95.2	97.1	64.0-139			1.94	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4014425-1 12/19/23 08:54 • (LCSD) R4014425-2 12/19/23 09:23

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
1,2-Dichlorotetrafluoroethane	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
Heptane	3.75	4.64	4.51	124	120	70.0-130			2.84	25
Hexachloro-1,3-butadiene	3.75	3.53	3.54	94.1	94.4	70.0-151			0.283	25
n-Hexane	3.75	4.34	4.31	116	115	70.0-130			0.694	25
Isopropylbenzene	3.75	3.88	3.95	103	105	70.0-130			1.79	25
Methylene Chloride	3.75	3.95	3.99	105	106	70.0-130			1.01	25
Methyl Butyl Ketone	3.75	4.43	4.37	118	117	70.0-149			1.36	25
2-Butanone (MEK)	3.75	3.97	4.03	106	107	70.0-130			1.50	25
4-Methyl-2-pentanone (MIBK)	3.75	3.84	3.86	102	103	70.0-139			0.519	25
Methyl methacrylate	3.75	4.00	3.95	107	105	70.0-130			1.26	25
MTBE	3.75	3.91	3.91	104	104	70.0-130			0.000	25
Naphthalene	3.75	3.91	4.06	104	108	70.0-159			3.76	25
Nonane	3.75	4.86	4.76	130	127	70.0-130			2.08	25
Pentane	3.75	4.25	4.34	113	116	70.0-130			2.10	25
2-Propanol	3.75	4.32	4.21	115	112	70.0-139			2.58	25
Propene	3.75	4.39	4.35	117	116	64.0-144			0.915	25
Styrene	3.75	3.88	4.00	103	107	70.0-130			3.05	25
1,1,2,2-Tetrachloroethane	3.75	4.01	4.08	107	109	70.0-130			1.73	25
Tetrachloroethylene	3.75	3.46	3.50	92.3	93.3	70.0-130			1.15	25
Tetrahydrofuran	3.75	4.39	4.25	117	113	70.0-137			3.24	25
Toluene	3.75	3.86	3.86	103	103	70.0-130			0.000	25
1,2,4-Trichlorobenzene	3.75	3.50	3.64	93.3	97.1	70.0-160			3.92	25
1,1,1-Trichloroethane	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
1,1,2-Trichloroethane	3.75	3.86	3.85	103	103	70.0-130			0.259	25
Trichloroethylene	3.75	3.92	3.89	105	104	70.0-130			0.768	25
1,2,4-Trimethylbenzene	3.75	3.89	4.00	104	107	70.0-130			2.79	25
1,3,5-Trimethylbenzene	3.75	3.85	3.91	103	104	70.0-130			1.55	25
2,2,4-Trimethylpentane	3.75	4.33	4.31	115	115	70.0-130			0.463	25
Vinyl chloride	3.75	3.93	3.96	105	106	70.0-130			0.760	25
Vinyl Bromide	3.75	3.61	3.57	96.3	95.2	70.0-130			1.11	25
Vinyl acetate	3.75	3.83	3.90	102	104	70.0-130			1.81	25
m&p-Xylene	7.50	7.89	8.04	105	107	70.0-130			1.88	25
o-Xylene	3.75	3.92	4.00	105	107	70.0-130			2.02	25
(S) 1,4-Bromofluorobenzene				*103*	*103*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

D214

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	mreilly@cteh.com labresults@cteh.com; ahenault@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com;
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) ASAP

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☐
Retain w/ storage fees after 2X hold time ☐ L1689341

Lab Contact Information Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: TO-15	Matrix
MTWA1216MC001	MC001	1.4	L	12/16/23	17:55	12/17/23	17:30	MG	✓	A -01
MTWA1216MC002	MC002	1.4	L	12/16/23	16:25	12/17/23	11:50	MG	✓	A -02
MTWA1216MC003	MC003	1.4	L	12/16/23	16:40	12/17/23	13:43	MG	✓	A -03
MTWA1216MC004	MC004	1.4	L	12/16/23	16:55	~~13:25~~ 12/17/23	13:25	MG	✓	A -04
MTWA1214MC001	MC001	1.4	L	12/14/23	17:30	12/15/23	17:45	MG	✓	A -05
MTWA1214MC002	MC002	1.4	L	12/14/23	18:10	12/15/23	N/A	MG	✓	A -06
MTWA1214MC003	MC003	1.4	L	12/14/23	18:35	12/15/23	17:01	MG	✓	A -07
MTWA1214MC004	MC004	1.4	L	12/14/23	18:55	12/15/23	17:25	MG	✓	A -08

Sample Receipt Checklist 12/20/23
COC Seal Present/Intact: ☐Y ☐N Airs
COC Signed/Accurate: ☐Y ☐N Size: ☐1L ☐6L ☑1.4L
Bottles arrive intact: ☐Y ☐N Tape Color: G ☐ ☑ R ☐ B ☐
Correct bottles used: ☐Y ☐N Tubing ☐ Shunt ☐
T/P#

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Gayle Nikkes	12.18/1630	FedEx	12.18/1630	
		Brenda Bynum	12/19/23 0900	

SDG # MTW1214MC

Page 1 of 1

ANALYTICAL REPORT

December 20, 2023

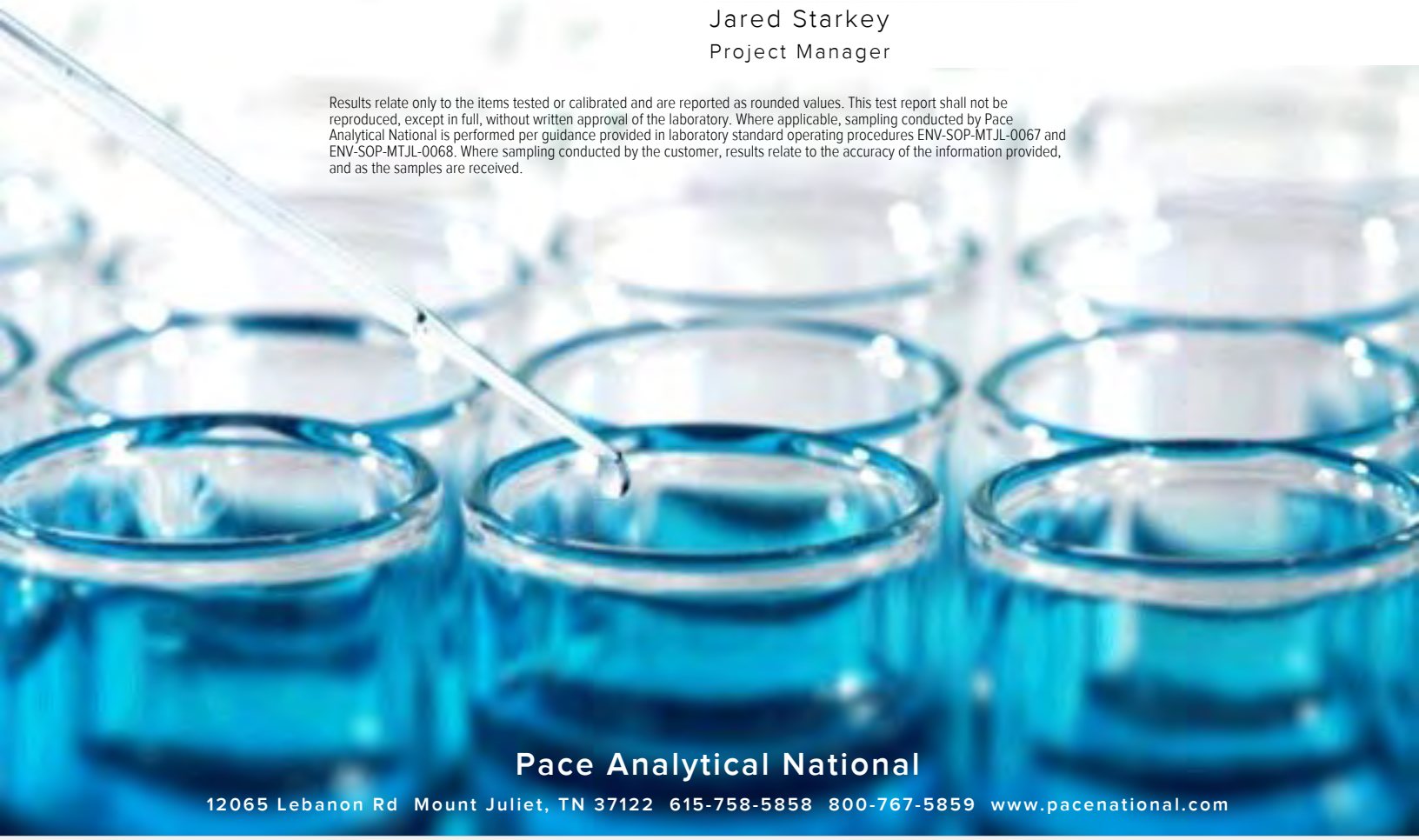
CTEH - ER

Sample Delivery Group:	L1689344
Samples Received:	12/19/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA1215MC001 L1689344-01 Air

Collected by | Collected date/time 12/16/23 17:05 | Received date/time 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192114	1	12/19/23 14:52	12/19/23 14:52	DAH	Mt. Juliet, TN

MTWA1215MC002 L1689344-02 Air

Collected by | Collected date/time 12/16/23 14:20 | Received date/time 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192114	1	12/19/23 15:21	12/19/23 15:21	DAH	Mt. Juliet, TN

MTWA1215MC003 L1689344-03 Air

Collected by | Collected date/time 12/16/23 14:48 | Received date/time 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192114	1	12/19/23 15:49	12/19/23 15:49	DAH	Mt. Juliet, TN

MTWA1215MC004 L1689344-04 Air

Collected by | Collected date/time 12/16/23 14:36 | Received date/time 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192114	1	12/19/23 16:18	12/19/23 16:18	DAH	Mt. Juliet, TN

MTWA1217MC004 L1689344-05 Air

Collected by | Collected date/time 12/18/23 07:35 | Received date/time 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192114	1	12/19/23 16:46	12/19/23 16:46	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2192114	2-Propanol	L1689344-01, 02, 03, 04, 05

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2192114	(LCSD) R4014563-2, L1689344-01, 02, 03, 04, 05	n-Decane

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.01	9.53		1	WG2192114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.824	2.63		1	WG2192114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192114
Butane	106-97-8	58	0.0522	0.200	0.474	3.94	9.35		1	WG2192114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.542	1.12		1	WG2192114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	5.71	19.7		1	WG2192114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.132	0.768	J J4	1	WG2192114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.93	13.1		1	WG2192114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	3.05	13.2		1	WG2192114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.610	2.99		1	WG2192114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2192114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.491	2.43		1	WG2192114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192114
Heptane	142-82-5	100	0.104	0.200	0.818	5.82	23.8		1	WG2192114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	4.41	15.5		1	WG2192114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.230	1.13		1	WG2192114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.312	1.08		1	WG2192114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.217	0.640	J	1	WG2192114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.713	3.74		1	WG2192114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	6.25	18.4		1	WG2192114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.908	2.23	B J	1	WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	18.5	69.7		1	WG2192114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	2.05	10.1		1	WG2192114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.656	3.22		1	WG2192114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.928	4.34		1	WG2192114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192114
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	10.5	45.5		1	WG2192114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	4.04	17.5		1	WG2192114
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*102*				WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	U	U		1	WG2192114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.397	1.27		1	WG2192114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192114
Butane	106-97-8	58	0.0522	0.200	0.474	1.87	4.44		1	WG2192114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.523	1.08		1	WG2192114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.35	8.09		1	WG2192114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.43	10.2		1	WG2192114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.27	5.51		1	WG2192114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.239	1.17		1	WG2192114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.213	1.20		1	WG2192114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2192114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192114
Heptane	142-82-5	100	0.104	0.200	0.818	2.55	10.4		1	WG2192114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.91	6.73		1	WG2192114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.177	0.615	J	1	WG2192114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.279	0.823	J	1	WG2192114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.298	1.56		1	WG2192114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.32	9.80		1	WG2192114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.962	2.36	B J	1	WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	7.96	30.0		1	WG2192114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.736	3.61		1	WG2192114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.225	1.10		1	WG2192114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.400	1.87		1	WG2192114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192114
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	4.25	18.4		1	WG2192114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.68	7.28		1	WG2192114
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*102*				WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	15.6	37.1		1	WG2192114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	2.18	6.96		1	WG2192114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192114
Butane	106-97-8	58	0.0522	0.200	0.474	7.22	17.1		1	WG2192114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.67	3.45		1	WG2192114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	11.8	40.6		1	WG2192114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.272	1.58	J4	1	WG2192114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.0	37.7		1	WG2192114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	6.04	26.2		1	WG2192114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	1.45	7.12		1	WG2192114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2192114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.479	2.37		1	WG2192114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192114
Heptane	142-82-5	100	0.104	0.200	0.818	12.0	49.1		1	WG2192114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	9.09	32.0		1	WG2192114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.473	2.33		1	WG2192114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2192114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.788	2.32	J	1	WG2192114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	1.43	7.50		1	WG2192114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	12.5	36.9		1	WG2192114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.72	4.23	B	1	WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	39.0	147		1	WG2192114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	4.22	20.7		1	WG2192114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	1.29	6.33		1	WG2192114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	1.87	8.74		1	WG2192114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192114
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	20.5	88.9		1	WG2192114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	7.84	34.0		1	WG2192114
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*102*				WG2192114

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.14	12.2		1	WG2192114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.86	6.20	J	1	WG2192114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.558	1.78		1	WG2192114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192114
Butane	106-97-8	58	0.0522	0.200	0.474	2.23	5.29		1	WG2192114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.528	1.09		1	WG2192114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.90	6.54		1	WG2192114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	37.6	70.9		1	WG2192114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.16	5.03		1	WG2192114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.249	1.22		1	WG2192114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2192114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.468	2.31		1	WG2192114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192114
Heptane	142-82-5	100	0.104	0.200	0.818	2.01	8.22		1	WG2192114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.58	5.57		1	WG2192114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.272	0.944		1	WG2192114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2192114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.275	1.44		1	WG2192114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.52	7.44		1	WG2192114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.27	8.04	B	1	WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	1.26	2.17		1	WG2192114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	7.05	26.6		1	WG2192114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.765	3.75		1	WG2192114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.226	1.11		1	WG2192114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.386	1.80		1	WG2192114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	0.294	1.04	J	1	WG2192114
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	3.86	16.7		1	WG2192114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.57	6.81		1	WG2192114
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*101*				WG2192114

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.26	7.75		1	WG2192114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2192114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.298	0.952		1	WG2192114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192114
Butane	106-97-8	58	0.0522	0.200	0.474	2.46	5.84		1	WG2192114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.481	0.993		1	WG2192114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.394	1.36		1	WG2192114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2192114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.62	10.6		1	WG2192114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.207	0.897		1	WG2192114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2192114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.450	2.23		1	WG2192114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192114
Heptane	142-82-5	100	0.104	0.200	0.818	0.462	1.89		1	WG2192114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.484	1.71	J	1	WG2192114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.239	0.830		1	WG2192114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.211	0.622	J	1	WG2192114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2192114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.19	3.51		1	WG2192114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.36	3.34	B	1	WG2192114

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.55	5.84		1	WG2192114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.108	0.530	J	1	WG2192114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2192114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2192114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192114
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	0.691	3.00		1	WG2192114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.266	1.15		1	WG2192114
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.7*				WG2192114

Method Blank (MB)

(MB) R4014563-3 12/19/23 14:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0915	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.431	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4014563-3 12/19/23 14:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	0.389	J	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*101*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4014563-1 12/19/23 09:47 • (LCSD) R4014563-2 12/19/23 13:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.41	4.40	118	117	70.0-130			0.227	25
Acetonitrile	18.8	23.7	24.0	126	128	70.0-130			1.26	25
Acrylonitrile	3.75	4.36	4.47	116	119	70.0-130			2.49	25
Allyl chloride	3.75	4.57	4.53	122	121	70.0-130			0.879	25
Benzene	3.75	4.15	4.13	111	110	70.0-130			0.483	25
Benzyl Chloride	3.75	3.28	3.26	87.5	86.9	70.0-152			0.612	25
Bromodichloromethane	3.75	4.00	4.04	107	108	70.0-130			0.995	25
Bromoform	3.75	3.42	3.45	91.2	92.0	70.0-130			0.873	25
Bromomethane	3.75	3.90	3.93	104	105	70.0-130			0.766	25
Bromoethane	3.75	3.92	3.94	105	105	70.0-130			0.509	25
1,3-Butadiene	3.75	4.31	4.43	115	118	70.0-130			2.75	25
Butane	3.75	4.37	4.49	117	120	70.0-130			2.71	25
Carbon disulfide	3.75	4.04	3.97	108	106	70.0-130			1.75	25
Carbon tetrachloride	3.75	3.84	3.88	102	103	70.0-130			1.04	25
Chlorobenzene	3.75	3.81	3.82	102	102	70.0-130			0.262	25
Chloroethane	3.75	4.20	4.13	112	110	70.0-130			1.68	25
Chloroform	3.75	4.10	4.21	109	112	70.0-130			2.65	25
Chloromethane	3.75	4.40	4.50	117	120	70.0-130			2.25	25
2-Chlorotoluene	3.75	4.07	4.01	109	107	70.0-130			1.49	25
Cyclohexane	3.75	4.12	4.06	110	108	70.0-130			1.47	25
n-Decane	3.75	4.86	4.94	130	132	70.0-130		J4	1.63	25
Dibromochloromethane	3.75	3.71	3.74	98.9	99.7	70.0-130			0.805	25
1,2-Dibromoethane	3.75	3.90	3.89	104	104	70.0-130			0.257	25
1,2-Dichlorobenzene	3.75	3.69	3.75	98.4	100	70.0-130			1.61	25
1,3-Dichlorobenzene	3.75	3.81	3.80	102	101	70.0-130			0.263	25
1,4-Dichlorobenzene	3.75	3.82	3.85	102	103	70.0-130			0.782	25
1,2-Dichloroethane	3.75	4.25	4.26	113	114	70.0-130			0.235	25
1,1-Dichloroethane	3.75	4.30	4.30	115	115	70.0-130			0.000	25
1,1-Dichloroethene	3.75	4.13	4.18	110	111	70.0-130			1.20	25
cis-1,2-Dichloroethene	3.75	4.29	4.33	114	115	70.0-130			0.928	25
trans-1,2-Dichloroethene	3.75	4.33	4.36	115	116	70.0-130			0.690	25
1,2-Dichloropropane	3.75	4.28	4.32	114	115	70.0-130			0.930	25
cis-1,3-Dichloropropene	3.75	4.02	3.75	107	100	70.0-130			6.95	25
trans-1,3-Dichloropropene	3.75	3.91	3.85	104	103	70.0-130			1.55	25
1,4-Dioxane	3.75	4.17	4.07	111	109	70.0-140			2.43	25
Ethanol	3.75	4.77	5.00	127	133	55.0-148			4.71	25
Ethylbenzene	3.75	4.02	4.05	107	108	70.0-130			0.743	25
4-Ethyltoluene	3.75	4.05	4.09	108	109	70.0-130			0.983	25
Trichlorofluoromethane	3.75	3.83	3.92	102	105	70.0-130			2.32	25
Dichlorodifluoromethane	3.75	3.85	4.00	103	107	64.0-139			3.82	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4014563-1 12/19/23 09:47 • (LCSD) R4014563-2 12/19/23 13:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.92	4.01	105	107	70.0-130			2.27	25
1,2-Dichlorotetrafluoroethane	3.75	3.93	3.99	105	106	70.0-130			1.52	25
Heptane	3.75	4.59	4.69	122	125	70.0-130			2.16	25
Hexachloro-1,3-butadiene	3.75	3.37	3.42	89.9	91.2	70.0-151			1.47	25
n-Hexane	3.75	4.43	4.34	118	116	70.0-130			2.05	25
Isopropylbenzene	3.75	3.97	3.99	106	106	70.0-130			0.503	25
Methylene Chloride	3.75	4.39	4.39	117	117	70.0-130			0.000	25
Methyl Butyl Ketone	3.75	4.63	4.58	123	122	70.0-149			1.09	25
2-Butanone (MEK)	3.75	4.29	4.31	114	115	70.0-130			0.465	25
4-Methyl-2-pentanone (MIBK)	3.75	4.56	4.59	122	122	70.0-139			0.656	25
Methyl methacrylate	3.75	4.12	4.02	110	107	70.0-130			2.46	25
MTBE	3.75	4.12	4.02	110	107	70.0-130			2.46	25
Naphthalene	3.75	3.93	3.84	105	102	70.0-159			2.32	25
Nonane	3.75	4.70	4.71	125	126	70.0-130			0.213	25
Pentane	3.75	4.56	4.66	122	124	70.0-130			2.17	25
2-Propanol	3.75	4.39	4.46	117	119	70.0-139			1.58	25
Propene	3.75	4.64	4.65	124	124	64.0-144			0.215	25
Styrene	3.75	3.96	3.96	106	106	70.0-130			0.000	25
1,1,2,2-Tetrachloroethane	3.75	4.23	4.20	113	112	70.0-130			0.712	25
Tetrachloroethylene	3.75	3.43	3.54	91.5	94.4	70.0-130			3.16	25
Tetrahydrofuran	3.75	4.61	4.64	123	124	70.0-137			0.649	25
Toluene	3.75	4.04	3.97	108	106	70.0-130			1.75	25
1,2,4-Trichlorobenzene	3.75	3.50	3.44	93.3	91.7	70.0-160			1.73	25
1,1,1-Trichloroethane	3.75	3.93	3.93	105	105	70.0-130			0.000	25
1,1,2-Trichloroethane	3.75	3.95	3.94	105	105	70.0-130			0.253	25
Trichloroethylene	3.75	4.01	4.02	107	107	70.0-130			0.249	25
1,2,4-Trimethylbenzene	3.75	4.03	4.06	107	108	70.0-130			0.742	25
1,3,5-Trimethylbenzene	3.75	4.02	4.01	107	107	70.0-130			0.249	25
2,2,4-Trimethylpentane	3.75	4.39	4.55	117	121	70.0-130			3.58	25
Vinyl chloride	3.75	4.23	4.18	113	111	70.0-130			1.19	25
Vinyl Bromide	3.75	3.79	3.81	101	102	70.0-130			0.526	25
Vinyl acetate	3.75	4.02	4.30	107	115	70.0-130			6.73	25
m&p-Xylene	7.50	8.24	8.28	110	110	70.0-130			0.484	25
o-Xylene	3.75	4.16	4.19	111	112	70.0-130			0.719	25
(S) 1,4-Bromofluorobenzene				*104*	*104*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

D215

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	andy Henault, micheal reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # L1689344

Turnaround Requested: ☐ Normal ☑ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____
Data Packet Requested: ☑ Standard Level II ☐ Other _____
Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☑
Retain w/ storage fees after 2X hold time ☐

Lab Contact Information / Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1215MC001	MC001	1.4	L	12-15-23	17:55 ~~15:50~~	12-16-23	17:05 ~~14:20~~	MG	✓	A-01
MTWA1215MC002	MC002	1.4	L	12-15-23	15:50 ~~17:35~~	12-16-23	14:20 ~~14:36~~	MG	✓	A-02
MTWA1215MC003	MC003	1.4	L	12-15-23	17:10	12-16-23	14:48	MG	✓	A-03
MTWA1215MC004	MC004	1.4	L	12-15-23	17:35	12-16-23	14:36	MG	✓	A-04
MTWA1217MC004	MC004	1.4	L	12-17-23	13:30	12-18-23	07:35	MG	✓	A-05

Sample Receipt Checklist
COC Seal Present/Intact: __Y__N ✓ Airs
COC Signed/Accurate: __Y__N Size: ✓ 1L ____6L ____1.4L
Bottles arrive intact: __Y__N Tage Color: G__ M✓ P__ B__
Correct bottles used: __Y__N Tubing ___ Shunt ___
T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Daynell Cottrell	12-18/1630	FedEx	12-18/16:30	
		Brandon Ferguson	12/19/23 0900	

SDG # _____

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ANALYTICAL REPORT

December 21, 2023

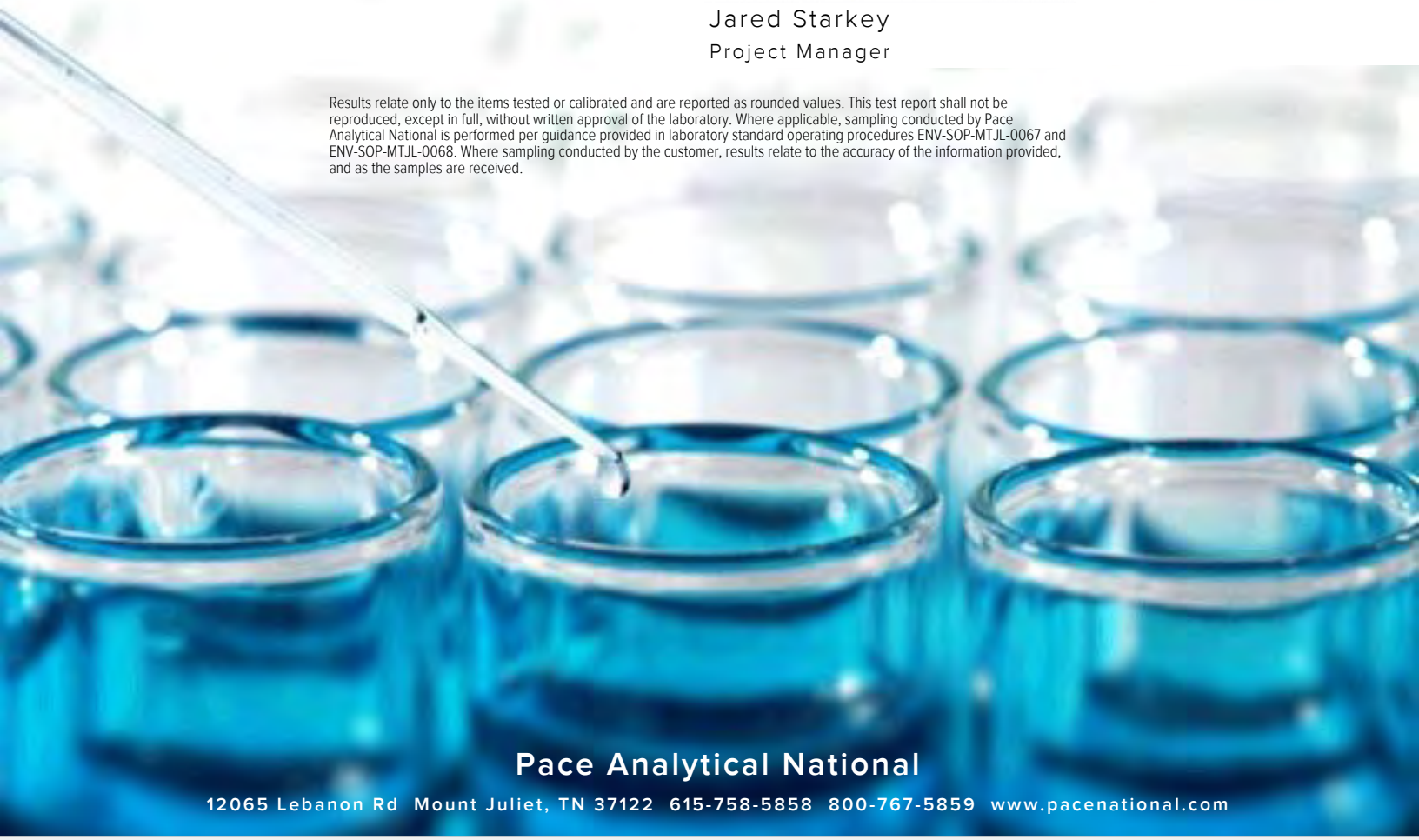
CTEH - ER

Sample Delivery Group:	L1689619
Samples Received:	12/16/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA1212MC001 L1689619-01 Air

Collected by: GBG | Collected date/time: 12/12/23 17:00 | Received date/time: 12/16/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 17:44	12/20/23 17:44	JAP	Mt. Juliet, TN

MTWA1212MC002 L1689619-02 Air

Collected by: GBG | Collected date/time: 12/12/23 17:40 | Received date/time: 12/16/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 18:27	12/20/23 18:27	JAP	Mt. Juliet, TN

MTWA1212MC003 L1689619-03 Air

Collected by: GBG | Collected date/time: 12/12/23 18:00 | Received date/time: 12/16/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 19:10	12/20/23 19:10	JAP	Mt. Juliet, TN

MTWA1212MC004 L1689619-04 Air

Collected by: GBG | Collected date/time: 12/12/23 18:25 | Received date/time: 12/16/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 19:53	12/20/23 19:53	JAP	Mt. Juliet, TN

MTWA1213MC001 L1689619-05 Air

Collected by: GBG | Collected date/time: 12/13/23 15:40 | Received date/time: 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 20:35	12/20/23 20:35	JAP	Mt. Juliet, TN

MTWA1213MC002 L1689619-06 Air

Collected by: GBG | Collected date/time: 12/13/23 16:05 | Received date/time: 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 21:17	12/20/23 21:17	JAP	Mt. Juliet, TN

MTWA1213MC003 L1689619-07 Air

Collected by: GBG | Collected date/time: 12/13/23 16:40 | Received date/time: 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 21:59	12/20/23 21:59	JAP	Mt. Juliet, TN

MTWA1213MC004 L1689619-08 Air

Collected by: GBG | Collected date/time: 12/13/23 17:10 | Received date/time: 12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2192964	1	12/20/23 22:42	12/20/23 22:42	JAP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2192964	1,2,4-Trimethylbenzene	L1689619-02, 04, 05, 06, 07, 08
WG2192964	4-Ethyltoluene	L1689619-01, 03
WG2192964	m&p-Xylene	L1689619-04, 06, 08

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2192964	(LCSD) R4015329-2, L1689619-01, 02, 03, 04, 05, 06, 07, 08	Acetonitrile

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.37	8.01		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.679	2.17		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	0.846	1.87	J	1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	3.50	8.30		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.212	0.660		1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.421	0.870		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.97	10.2		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.143	0.832	J	1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.76	14.6		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.83	7.93		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.493	2.42	B	1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.167	0.938	J	1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.323	1.60		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	2.57	10.5		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.48	8.74		1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.148	0.728	J	1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.227	0.788		1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.479	1.41	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.419	2.20		1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.65	10.8		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.855	2.10	J	1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	7.76	13.4		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	10.0	37.7		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	1.80	8.83		1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.509	2.50		1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.493	2.30		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	6.34	27.5		1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	2.45	10.6		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.3*				WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.09	14.5		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	0.356	0.772	J	1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.610	1.95		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	0.237	0.524	J	1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	1.73	4.10		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.134	0.417	J	1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.925	1.91		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.46	5.03		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.2	23.0		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.847	3.67		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.191	1.07	J	1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.356	1.76		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	1.26	5.15		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.14	4.02		1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.263	1.29		1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.214	0.743		1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.477	1.41	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.211	1.11		1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.74	11.0		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.36	3.34		1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.25	19.8		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.859	4.22	B	1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.238	1.17		1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.255	1.19		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	2.85	12.4		1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.19	5.16		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.6*				WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.15	19.4		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.49	3.23	J	1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.833	2.66		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	3.23	7.66		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.437	0.903		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.11	14.2		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.189	1.10	J	1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	33.6	63.4		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	2.32	10.1		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.491	2.41	B	1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.211	1.19		1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.370	1.83		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	3.51	14.4		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	3.04	10.7		1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.202	0.993		1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.551	1.91		1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.543	1.60	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.541	2.84		1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	4.40	13.0		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.90	7.13		1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	13.6	51.2		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	2.43	11.9		1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.726	3.56		1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.715	3.34		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	8.06	34.9		1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	3.13	13.6		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.5*				WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	9.40	22.3		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.11	3.55		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	1.05	2.49		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	4.10	8.47		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.905	3.12		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	22.5	42.4		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.497	2.15		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.361	1.79		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	0.801	3.28		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.688	2.43		1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.378	1.86		1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.351	1.22		1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.693	2.04	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.121	0.635	J	1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.45	4.28		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.56	6.29		1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.20	19.6		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.464	2.28	B	1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.148	0.726	J	1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.200	0.934	J	1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	1.73	7.50	B	1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.691	3.00		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.6*				WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.33	12.7		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	0.499	1.08	J	1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.563	1.80		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.113	0.352	J	1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.13	2.33		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.72	5.92		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.0	24.5		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.825	3.58		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.388	1.92		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	1.43	5.85		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.15	4.05		1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.221	1.09		1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.222	0.771		1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.420	1.24	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.174	0.913	J	1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.78	5.25		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.865	2.13	J	1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	6.59	24.8		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.523	2.57	B	1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.186	0.913	J	1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.262	1.22		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	2.75	11.9		1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.05	4.55		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.6*				WG2192964

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.92	9.32		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.310	0.990		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	0.548	1.30		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.534	1.10		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.668	2.30		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.28	17.5		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.364	1.58		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.196	1.10	J	1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.400	1.98		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	0.672	2.75		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.511	1.80	J	1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.120	0.590	J	1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.134	0.465	J	1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.526	1.55	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0952	0.499	J	1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.06	3.13		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.812	2.00	J	1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.99	11.3		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.230	1.13	B	1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0886	0.435	J	1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	1.19	5.16	B	1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.471	2.04		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.7*				WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	1.62	3.85		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.36	2.95	J	1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.449	1.43		1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	1.43	3.39		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.384	0.793		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	2.38	8.20		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.3	21.3		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.21	5.25		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.169	0.950	J	1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.300	1.48		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	1.99	8.14		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.70	5.99		1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.0867	0.426	J	1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.186	0.646	J	1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.233	1.22		1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.35	9.89		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.589	1.45	J	1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	7.63	28.7		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.659	3.23	B	1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.227	1.11		1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.356	1.66		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	4.17	18.1		1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.59	6.89		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.5*				WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.48	8.27		1	WG2192964
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U	J3	1	WG2192964
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2192964
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2192964
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.148	0.473	J	1	WG2192964
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2192964
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2192964
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2192964
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2192964
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2192964
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2192964
Butane	106-97-8	58	0.0522	0.200	0.474	0.354	0.840		1	WG2192964
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2192964
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2192964
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2192964
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2192964
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2192964
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.400	0.826		1	WG2192964
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2192964
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.358	1.23		1	WG2192964
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2192964
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2192964
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2192964
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2192964
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2192964
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2192964
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2192964
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2192964
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2192964
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2192964
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2192964
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2192964
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2192964
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2192964
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2192964
Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.71	8.88		1	WG2192964
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.295	1.28		1	WG2192964
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2192964
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.157	0.882	J	1	WG2192964
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.358	1.77		1	WG2192964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2192964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2192964
Heptane	142-82-5	100	0.104	0.200	0.818	0.360	1.47		1	WG2192964
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2192964
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.269	0.948	J	1	WG2192964
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2192964
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747		1	WG2192964
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2192964
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.485	1.43	J	1	WG2192964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2192964
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2192964
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2192964
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2192964
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0747	0.392	J	1	WG2192964
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.374	1.10		1	WG2192964
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.941	2.31	J	1	WG2192964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2192964
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2192964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2192964
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2192964
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2192964
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.60	6.03		1	WG2192964
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2192964
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2192964
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2192964
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2192964
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.174	0.854	B J	1	WG2192964
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2192964
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2192964
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2192964
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2192964
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2192964
m&p-Xylene	1330-20-7	106	0.135	0.400	1.73	0.968	4.20	B	1	WG2192964
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.434	1.88		1	WG2192964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.6*				WG2192964

Method Blank (MB)

(MB) R4015329-3 12/20/23 12:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	0.0891	J	0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4015329-3 12/20/23 12:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	0.124	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	0.0866	J	0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	0.217	J	0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*98.1*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4015329-1 12/20/23 10:03 • (LCSD) R4015329-2 12/20/23 11:30

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.50	3.44	93.3	91.7	70.0-130			1.73	25
Acetonitrile	18.8	22.6	17.2	120	91.5	70.0-130		J3	27.1	25
Acrylonitrile	3.75	3.62	3.38	96.5	90.1	70.0-130			6.86	25
Allyl chloride	3.75	3.16	2.99	84.3	79.7	70.0-130			5.53	25
Benzene	3.75	3.61	3.67	96.3	97.9	70.0-130			1.65	25
Benzyl Chloride	3.75	3.84	3.89	102	104	70.0-152			1.29	25
Bromodichloromethane	3.75	3.62	3.73	96.5	99.5	70.0-130			2.99	25
Bromoform	3.75	3.64	3.64	97.1	97.1	70.0-130			0.000	25
Bromomethane	3.75	3.94	3.84	105	102	70.0-130			2.57	25
Bromoethane	3.75	3.77	3.91	101	104	70.0-130			3.65	25
1,3-Butadiene	3.75	3.00	2.96	80.0	78.9	70.0-130			1.34	25
Butane	3.75	3.16	3.16	84.3	84.3	70.0-130			0.000	25
Carbon disulfide	3.75	3.70	3.70	98.7	98.7	70.0-130			0.000	25
Carbon tetrachloride	3.75	3.67	3.67	97.9	97.9	70.0-130			0.000	25
Chlorobenzene	3.75	3.90	3.98	104	106	70.0-130			2.03	25
Chloroethane	3.75	3.70	3.80	98.7	101	70.0-130			2.67	25
Chloroform	3.75	3.72	3.71	99.2	98.9	70.0-130			0.269	25
Chloromethane	3.75	3.38	3.46	90.1	92.3	70.0-130			2.34	25
2-Chlorotoluene	3.75	4.19	4.21	112	112	70.0-130			0.476	25
Cyclohexane	3.75	3.87	3.83	103	102	70.0-130			1.04	25
n-Decane	3.75	3.51	3.43	93.6	91.5	70.0-130			2.31	25
Dibromochloromethane	3.75	3.64	3.50	97.1	93.3	70.0-130			3.92	25
1,2-Dibromoethane	3.75	3.83	3.79	102	101	70.0-130			1.05	25
1,2-Dichlorobenzene	3.75	4.11	4.15	110	111	70.0-130			0.969	25
1,3-Dichlorobenzene	3.75	4.27	4.19	114	112	70.0-130			1.89	25
1,4-Dichlorobenzene	3.75	4.23	4.25	113	113	70.0-130			0.472	25
1,2-Dichloroethane	3.75	3.70	3.52	98.7	93.9	70.0-130			4.99	25
1,1-Dichloroethane	3.75	3.72	3.63	99.2	96.8	70.0-130			2.45	25
1,1-Dichloroethene	3.75	3.65	3.64	97.3	97.1	70.0-130			0.274	25
cis-1,2-Dichloroethene	3.75	3.58	3.57	95.5	95.2	70.0-130			0.280	25
trans-1,2-Dichloroethene	3.75	3.58	3.65	95.5	97.3	70.0-130			1.94	25
1,2-Dichloropropane	3.75	3.44	3.79	91.7	101	70.0-130			9.68	25
cis-1,3-Dichloropropene	3.75	3.72	3.77	99.2	101	70.0-130			1.34	25
trans-1,3-Dichloropropene	3.75	3.60	3.66	96.0	97.6	70.0-130			1.65	25
1,4-Dioxane	3.75	3.74	3.54	99.7	94.4	70.0-140			5.49	25
Ethanol	3.75	3.18	3.32	84.8	88.5	55.0-148			4.31	25
Ethylbenzene	3.75	3.87	3.85	103	103	70.0-130			0.518	25
4-Ethyltoluene	3.75	4.09	4.12	109	110	70.0-130			0.731	25
Trichlorofluoromethane	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
Dichlorodifluoromethane	3.75	3.69	3.68	98.4	98.1	64.0-139			0.271	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4015329-1 12/20/23 10:03 • (LCSD) R4015329-2 12/20/23 11:30

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.91	3.91	104	104	70.0-130			0.000	25
1,2-Dichlorotetrafluoroethane	3.75	3.63	3.71	96.8	98.9	70.0-130			2.18	25
Heptane	3.75	3.35	3.41	89.3	90.9	70.0-130			1.78	25
Hexachloro-1,3-butadiene	3.75	4.13	4.30	110	115	70.0-151			4.03	25
n-Hexane	3.75	3.66	3.60	97.6	96.0	70.0-130			1.65	25
Isopropylbenzene	3.75	3.94	4.04	105	108	70.0-130			2.51	25
Methylene Chloride	3.75	3.32	3.32	88.5	88.5	70.0-130			0.000	25
Methyl Butyl Ketone	3.75	3.31	3.34	88.3	89.1	70.0-149			0.902	25
2-Butanone (MEK)	3.75	4.26	4.14	114	110	70.0-130			2.86	25
4-Methyl-2-pentanone (MIBK)	3.75	3.41	3.43	90.9	91.5	70.0-139			0.585	25
Methyl methacrylate	3.75	3.36	3.40	89.6	90.7	70.0-130			1.18	25
MTBE	3.75	3.73	3.72	99.5	99.2	70.0-130			0.268	25
Naphthalene	3.75	4.37	4.27	117	114	70.0-159			2.31	25
Nonane	3.75	3.32	3.39	88.5	90.4	70.0-130			2.09	25
Pentane	3.75	3.31	3.36	88.3	89.6	70.0-130			1.50	25
2-Propanol	3.75	3.41	3.28	90.9	87.5	70.0-139			3.89	25
Propene	3.75	2.89	2.86	77.1	76.3	64.0-144			1.04	25
Styrene	3.75	3.83	3.90	102	104	70.0-130			1.81	25
1,1,2,2-Tetrachloroethane	3.75	3.84	3.85	102	103	70.0-130			0.260	25
Tetrachloroethylene	3.75	4.09	4.08	109	109	70.0-130			0.245	25
Tetrahydrofuran	3.75	3.28	3.27	87.5	87.2	70.0-137			0.305	25
Toluene	3.75	3.82	3.85	102	103	70.0-130			0.782	25
1,2,4-Trichlorobenzene	3.75	4.28	4.34	114	116	70.0-160			1.39	25
1,1,1-Trichloroethane	3.75	3.67	3.76	97.9	100	70.0-130			2.42	25
1,1,2-Trichloroethane	3.75	3.83	3.97	102	106	70.0-130			3.59	25
Trichloroethylene	3.75	3.96	3.86	106	103	70.0-130			2.56	25
1,2,4-Trimethylbenzene	3.75	4.20	4.18	112	111	70.0-130			0.477	25
1,3,5-Trimethylbenzene	3.75	4.49	4.07	120	109	70.0-130			9.81	25
2,2,4-Trimethylpentane	3.75	3.76	3.71	100	98.9	70.0-130			1.34	25
Vinyl chloride	3.75	3.45	3.63	92.0	96.8	70.0-130			5.08	25
Vinyl Bromide	3.75	3.93	3.96	105	106	70.0-130			0.760	25
Vinyl acetate	3.75	3.44	3.40	91.7	90.7	70.0-130			1.17	25
m&p-Xylene	7.50	8.05	7.84	107	105	70.0-130			2.64	25
o-Xylene	3.75	3.92	3.92	105	105	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*99.2*	*98.5*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANA

Sample Receipt Checklist
COC Seal Present/Intact: Y N Airs
COC Signed/Accurate: Y N Size: 1L 6L 1.4L
Bottles arrive intact: Y N Tage Color: G R P B
Correct bottles used: Y N Tubing Shunt
T/P#:

Send Report to	ahenault e cteh. com mreilly@ cteh.com asharp@ cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com;
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # PROJ-032692

Turnaround Requested: ☐ Normal ☐ Same Day ☐ Next Day ☐ Two Day ☒ Other (Specify) ASAP

Data Packet Requested: ☒ Standard Level II ☐ Other With 10% Level III

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ L1668619

Lab Contact Information / Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: EPA TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)	
MTWA1212MC001	028094	1.4	L	12/12/23	1700	12/13/23	1525	BBD	✓					A	-01
MTWA1212MC002	162125	1.4	L	12/12/23	1740	12/13/23	1550	BBD	✓					A	-02
MTWA1212MC003	150233	1.4	L	12/12/23	1800	12/13/23	1510	BBD	✓					A	-03
MTWA1212MC004	010508	1.4	L	12/12/23	1825	12/13/23	1520	BBD	✓					A	-04
MTWA1213MC001	011129	1.4	L	12/13/23	1540	12/14/23	1715	JDM	✓					A	-05
MTWA1213MC002	010932	1.4	L	12/13/23	1605	12/14/23	0313	JDM	✓					A	-06
MTWA1213MC003	029309	1.4	L	12/13/23	1640	12/14/23	1640	JDM	✓					A	-07
MTWA1213MC004	028070	1.4	L	12/13/23	1710	12/14/23	1844	JDM	✓					A	-08
MTWA1214PB001	QF18010			12/14/23	1110	12/14/23	1815	JDM						A	
MTWA1214PB002	QH21343			12/14/23	2018	12/15/23	0503	JDM						A	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Maynell Nichols	16:08 / 12:15	FedEx	12.15 / 16:08	
			12/19 0900	

SDG # MTWA1212MC

Page 1 of 1

12/16-NCF-CTEHER - L1689619

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) JS Jared Starkey

Due on *20 December 2023 8:00 AM* for target *Done*

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [x] Chain of Custody is missing
- [x] If no COC: Received by:_Tim L._____
- [x] If no COC: Date/Time:_12/16/23 @ 0900_____
- [x] If no COC: Temp./Cont.Rec./pH:_AMB_____
- [x] If no COC: Carrier:_FedEx_____
- [x] If no COC: Tracking #:_788109852603_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Hailey Robertson *16 December 2023 9:14 PM*

Received IDs: MTWA1212MC002, MTWA1212MC001, MTWA1212MC004, MTWA1212MC003 with no COC.

Jared Starkey *18 December 2023 10:22 AM*

COC Attached for Summas
Client stated there may have been a couple passive dosimeters included in this shipment, can you confirm?

If so, please ship those to:

SGS Galson
6601 Kirkville Rd,
East Syracuse, NY 13057

Hailey Robertson *19 December 2023 9:11 AM*

I am not sure what the dosimeters look like but I was not informed of anything else being in the box other than the air canisters and Flow Controls.

Hailey Robertson *19 December 2023 5:03 PM*

Still missing IDs: MTWA1214PB001, MTWA1214PB002

Andy Vann *21 December 2023 9:14 AM*

These ids are the dosimeters. I will send to Shipping. Hailey, this one is good, please scan with coc and move to done.

Hailey Robertson *21 December 2023 9:16 AM*

Thank you!!

ANALYTICAL REPORT

December 26, 2023

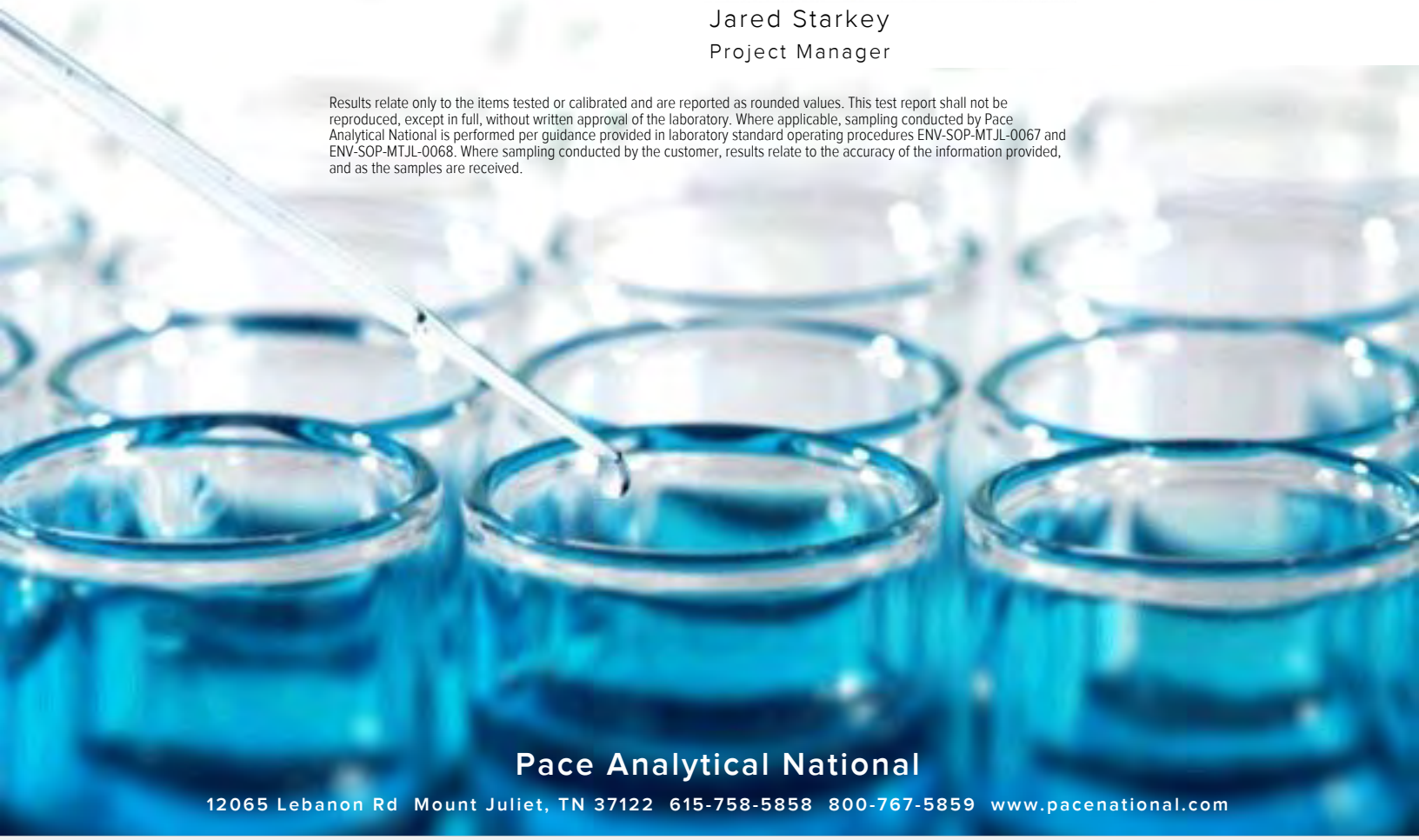
CTEH - ER

Sample Delivery Group:	L1690789
Samples Received:	12/22/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1217MC001 L1690789-01 Air

Collected by: MG | Collected date/time: 12/18/23 16:05 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 12:23	12/22/23 12:23	SDS	Mt. Juliet, TN

MTWA1217MC001D L1690789-02 Air

Collected by: MG | Collected date/time: 12/18/23 16:05 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 12:51	12/22/23 12:51	SDS	Mt. Juliet, TN

MTWA1217MC002 L1690789-03 Air

Collected by: MG | Collected date/time: 12/18/23 12:10 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 13:20	12/22/23 13:20	SDS	Mt. Juliet, TN

MTWA1217MC003 L1690789-04 Air

Collected by: MG | Collected date/time: 12/18/23 11:45 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 13:48	12/22/23 13:48	SDS	Mt. Juliet, TN

MTWA1218MC001 L1690789-05 Air

Collected by: MG | Collected date/time: 12/19/23 13:45 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 14:17	12/22/23 14:17	SDS	Mt. Juliet, TN

MTWA1218MC001D L1690789-06 Air

Collected by: MG | Collected date/time: 12/19/23 12:20 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 14:45	12/22/23 14:45	SDS	Mt. Juliet, TN

MTWA1218MC002 L1690789-07 Air

Collected by: MG | Collected date/time: 12/19/23 09:38 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 15:14	12/22/23 15:14	SDS	Mt. Juliet, TN

MTWA1218MC003 L1690789-08 Air

Collected by: MG | Collected date/time: 12/19/23 10:05 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 15:42	12/22/23 15:42	SDS	Mt. Juliet, TN

SAMPLE SUMMARY

MTWA1218MC004 L1690789-09 Air

Collected by: MG
Collected date/time: 12/19/23 00:47
Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 16:11	12/22/23 16:11	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2194715	L1690789-02	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2194715	Methylene Chloride	L1690789-01, 03, 04, 05, 06, 07, 08, 09

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2194715	(LCS) R4016184-1, L1690789-01, 02, 03, 04, 05, 06, 07, 08, 09	n-Decane

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.31	10.2		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.402	1.28		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	3.18	7.54		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.470	0.971		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.51	5.20		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.16	9.73		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.761	3.30		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.133	0.653	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.214	1.20		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.448	2.22		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	1.65	6.75		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.31	4.62		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.305	1.06	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.341	1.01	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.150	0.787	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.22	6.55		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.21	2.97	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.01	18.9		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.390	1.91		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.117	0.574	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.320	1.49		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.45	10.6		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.962	4.17		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.8*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.94	21.2		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.362	1.16		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	3.09	7.33		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.565	1.17		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.378	1.30		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	181	341	E	1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.227	0.984		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.214	1.20		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.462	2.28		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.497	2.03		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.30	4.58		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	5.19	18.0		1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.317	0.935	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.150	0.614	J	1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	6.53	19.3		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	33.4	82.1		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.96	7.38		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.154	0.756	J	1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.175	0.818	J	1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.696	3.02		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.273	1.18		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.9*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.80	9.03		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.324	1.03		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	2.27	5.38		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.481	0.993		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.660	2.27		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.25	15.6		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.324	1.40		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.210	1.18		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.461	2.28		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.678	2.77		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.635	2.24		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.321	1.11	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.272	0.802	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.42	4.19		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.744	1.83	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.38	8.97		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.159	0.780	J	1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.145	0.677	J	1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.956	4.14		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.393	1.70		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.1*				WG2194715

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.64	20.5		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.730	2.33		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	4.46	10.6		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.491	1.01		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	3.62	12.5		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.4	29.0		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	2.03	8.80		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.373	1.83		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.454	2.25		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	4.11	16.8		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.89	10.2		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.128	0.629	J	1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.414	1.44	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.584	1.72	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.451	2.37		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	4.78	14.1		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.33	3.27		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	13.0	49.0		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	1.18	5.79		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.373	1.83		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.689	3.22		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	6.84	29.7		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	2.57	11.1		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.8*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.27	17.3		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.583	1.86		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	1.60	3.80		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.682	1.41		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.17	4.03		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.32	13.8		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.604	2.62		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.134	0.658	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.217	1.22		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.450	2.23		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	1.26	5.15		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.15	4.05		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.118	0.580	J	1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.368	1.28	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.336	0.991	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.136	0.713	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.65	4.87		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.912	2.24	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	4.41	16.6		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.477	2.34		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.149	0.731	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.223	1.04		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.12	9.19		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.871	3.78		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.5*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.68	6.37		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.447	1.43		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	1.69	4.01		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.542	1.12		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.23	4.24		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.5	19.8		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.604	2.62		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.130	0.638	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.223	1.25		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.459	2.27		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	1.28	5.24		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.08	3.81		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.348	1.21	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.149	0.439	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.147	0.771	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.80	5.31		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.984	2.42	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	4.02	15.1		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.373	1.83		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.121	0.594	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.229	1.07		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.01	8.71		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.805	3.49		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.9*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.41	5.73		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.553	1.77		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	1.33	3.16		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.524	1.08		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.550	1.89		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.21	11.7		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.383	1.66		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0956	0.469	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.213	1.20		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.449	2.22		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.581	2.38		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.590	2.08	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.539	1.87	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.193	0.569	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.924	2.73		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.836	2.05	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.99	7.50		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.290	1.42		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0961	0.472	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.133	0.621	J	1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	0.899	3.17		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.19	5.16		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.407	1.76		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.0*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.91	11.7		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.433	1.38		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	4.00	9.49		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0737	0.464	J	1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.533	1.10		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.79	6.16		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	44.0	83.0		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.06	4.60		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.236	1.16		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.218	1.23		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.461	2.28		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	2.02	8.26		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.70	5.99		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.25	4.34	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.233	0.687	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.274	1.44		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.72	11.0		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.16	17.6		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	6.48	24.4		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.712	3.49		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.234	1.15		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.373	1.74		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.73	16.2		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.41	6.11		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.0*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.01	9.53		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.340	1.09		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	2.06	4.89		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.503	1.04		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.856	2.95		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.52	17.9		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.619	2.68		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.137	0.672	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.201	1.13		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.428	2.12		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	1.04	4.25		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.846	2.98		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.406	1.41	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.197	0.581	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.144	0.755	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.44	4.25		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.42	3.49		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.48	13.1		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.360	1.77		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.112	0.550	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.205	0.958		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.11	9.15		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.829	3.59		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.9*				WG2194715

Method Blank (MB)

(MB) R4016184-3 12/22/23 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0650	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.405	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4016184-3 12/22/23 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	0.143	J	0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	0.104	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4016184-1 12/22/23 09:01 • (LCSD) R4016184-2 12/22/23 09:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.11	4.14	110	110	70.0-130			0.727	25
Acetonitrile	18.8	23.0	22.8	122	121	70.0-130			0.873	25
Acrylonitrile	3.75	4.18	4.08	111	109	70.0-130			2.42	25
Allyl chloride	3.75	4.28	4.27	114	114	70.0-130			0.234	25
Benzene	3.75	3.84	3.83	102	102	70.0-130			0.261	25
Benzyl Chloride	3.75	3.13	3.06	83.5	81.6	70.0-152			2.26	25
Bromodichloromethane	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Bromoform	3.75	3.54	3.49	94.4	93.1	70.0-130			1.42	25
Bromomethane	3.75	3.71	3.61	98.9	96.3	70.0-130			2.73	25
Bromoethane	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
1,3-Butadiene	3.75	4.15	4.22	111	113	70.0-130			1.67	25
Butane	3.75	4.22	4.25	113	113	70.0-130			0.708	25
Carbon disulfide	3.75	3.76	3.69	100	98.4	70.0-130			1.88	25
Carbon tetrachloride	3.75	3.79	3.76	101	100	70.0-130			0.795	25
Chlorobenzene	3.75	3.58	3.59	95.5	95.7	70.0-130			0.279	25
Chloroethane	3.75	3.83	3.78	102	101	70.0-130			1.31	25
Chloroform	3.75	4.04	3.92	108	105	70.0-130			3.02	25
Chloromethane	3.75	4.32	4.28	115	114	70.0-130			0.930	25
2-Chlorotoluene	3.75	3.88	3.79	103	101	70.0-130			2.35	25
Cyclohexane	3.75	3.77	3.73	101	99.5	70.0-130			1.07	25
n-Decane	3.75	4.92	4.83	131	129	70.0-130	J4		1.85	25
Dibromochloromethane	3.75	3.69	3.57	98.4	95.2	70.0-130			3.31	25
1,2-Dibromoethane	3.75	3.74	3.63	99.7	96.8	70.0-130			2.99	25
1,2-Dichlorobenzene	3.75	3.72	3.64	99.2	97.1	70.0-130			2.17	25
1,3-Dichlorobenzene	3.75	3.76	3.67	100	97.9	70.0-130			2.42	25
1,4-Dichlorobenzene	3.75	3.76	3.65	100	97.3	70.0-130			2.97	25
1,2-Dichloroethane	3.75	4.15	4.07	111	109	70.0-130			1.95	25
1,1-Dichloroethane	3.75	4.03	3.97	107	106	70.0-130			1.50	25
1,1-Dichloroethene	3.75	4.04	3.93	108	105	70.0-130			2.76	25
cis-1,2-Dichloroethene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
trans-1,2-Dichloroethene	3.75	4.10	4.05	109	108	70.0-130			1.23	25
1,2-Dichloropropane	3.75	4.11	4.00	110	107	70.0-130			2.71	25
cis-1,3-Dichloropropene	3.75	3.73	3.67	99.5	97.9	70.0-130			1.62	25
trans-1,3-Dichloropropene	3.75	3.62	3.51	96.5	93.6	70.0-130			3.09	25
1,4-Dioxane	3.75	3.97	3.77	106	101	70.0-140			5.17	25
Ethanol	3.75	4.80	4.67	128	125	55.0-148			2.75	25
Ethylbenzene	3.75	3.93	3.77	105	101	70.0-130			4.16	25
4-Ethyltoluene	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Trichlorofluoromethane	3.75	3.79	3.77	101	101	70.0-130			0.529	25
Dichlorodifluoromethane	3.75	3.85	3.80	103	101	64.0-139			1.31	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4016184-1 12/22/23 09:01 • (LCSD) R4016184-2 12/22/23 09:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.66	3.70	97.6	98.7	70.0-130			1.09	25
1,2-Dichlorotetrafluoroethane	3.75	3.78	3.72	101	99.2	70.0-130			1.60	25
Heptane	3.75	4.45	4.41	119	118	70.0-130			0.903	25
Hexachloro-1,3-butadiene	3.75	3.44	3.28	91.7	87.5	70.0-151			4.76	25
n-Hexane	3.75	4.18	4.16	111	111	70.0-130			0.480	25
Isopropylbenzene	3.75	3.83	3.75	102	100	70.0-130			2.11	25
Methylene Chloride	3.75	4.39	4.26	117	114	70.0-130			3.01	25
Methyl Butyl Ketone	3.75	4.49	4.43	120	118	70.0-149			1.35	25
2-Butanone (MEK)	3.75	3.91	3.79	104	101	70.0-130			3.12	25
4-Methyl-2-pentanone (MIBK)	3.75	4.38	4.30	117	115	70.0-139			1.84	25
Methyl methacrylate	3.75	3.88	3.72	103	99.2	70.0-130			4.21	25
MTBE	3.75	3.69	3.68	98.4	98.1	70.0-130			0.271	25
Naphthalene	3.75	3.82	3.77	102	101	70.0-159			1.32	25
Nonane	3.75	4.52	4.44	121	118	70.0-130			1.79	25
Pentane	3.75	4.41	4.34	118	116	70.0-130			1.60	25
2-Propanol	3.75	4.14	4.03	110	107	70.0-139			2.69	25
Propene	3.75	4.53	4.49	121	120	64.0-144			0.887	25
Styrene	3.75	3.87	3.69	103	98.4	70.0-130			4.76	25
1,1,2,2-Tetrachloroethane	3.75	4.09	4.01	109	107	70.0-130			1.98	25
Tetrachloroethylene	3.75	3.35	3.26	89.3	86.9	70.0-130			2.72	25
Tetrahydrofuran	3.75	4.47	4.42	119	118	70.0-137			1.12	25
Toluene	3.75	3.71	3.62	98.9	96.5	70.0-130			2.46	25
1,2,4-Trichlorobenzene	3.75	3.45	3.40	92.0	90.7	70.0-160			1.46	25
1,1,1-Trichloroethane	3.75	3.76	3.75	100	100	70.0-130			0.266	25
1,1,2-Trichloroethane	3.75	3.71	3.66	98.9	97.6	70.0-130			1.36	25
Trichloroethylene	3.75	3.85	3.70	103	98.7	70.0-130			3.97	25
1,2,4-Trimethylbenzene	3.75	3.90	3.84	104	102	70.0-130			1.55	25
1,3,5-Trimethylbenzene	3.75	3.94	3.79	105	101	70.0-130			3.88	25
2,2,4-Trimethylpentane	3.75	4.19	4.11	112	110	70.0-130			1.93	25
Vinyl chloride	3.75	3.95	3.82	105	102	70.0-130			3.35	25
Vinyl Bromide	3.75	3.57	3.61	95.2	96.3	70.0-130			1.11	25
Vinyl acetate	3.75	3.87	3.91	103	104	70.0-130			1.03	25
m&p-Xylene	7.50	8.04	7.73	107	103	70.0-130			3.93	25
o-Xylene	3.75	4.06	3.95	108	105	70.0-130			2.75	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

H187

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, micheal reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # 037692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ 4169089

Lab Contact Information / Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1217MC001	MC001	1.4	L	12-17-23	18:00	12-18-23	16:05	MG	✓					A-01
MTWA1217MC001D	MC001D	1.4	L	12-17-23	18:00	12-18-23	16:05	MG	✓					A-02
MTWA1217MC002	MC002	1.4	L	12-17-23	12:25	12-18-23	12:10	MG	✓					A-03
MTWA1217MC003	MC003	1.4	L	12-17-23	13:50	12-18-23	11:45	MG	✓					A-04
MTWA1218MC001	MC001	1.4	L	12-18-23	16:30	12-19-23	13:45	WN	✓					A-05
MTWA1218MC001D	MC001D	1.4	L	12-18-23	16:30	12-19-23	12:20	WN	✓					A-06
MTWA1218MC002	MC002	1.4	L	12-18-23	12:20	12-19-23	9:38	WN	✓					A-07
MTWA1218MC003	MC003	1.4	L	12-18-23	12:00	12-19-23	10:05	WN	✓					A-08
~~MTWA1218MC004~~	~~MC004~~	~~1.4~~	~~L~~	~~12-18-23~~	7:45 MG	~~12-19-23~~	~~0047~~	WN	✓					A
								MG						

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Gayle Nicholas	12-20/16:00	FEDEX	12-20/16:00	
		CC (18)	12/22/23 0915	

SDG # _____

Sample Receipt Checklist cont=9

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, micheal reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ 4690789

Lab Contact Information Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA121B.MC004	MC004	1.4	L	12-18-23	7:45	12-19-23	00:47	MG	✓					A

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Garrett Parker	12.20/16.00	FEDEX	12.20/16.00	
		CE (18)	12/22/23 0915	

SDG # _____

LL090789

Tracking Numbers	DPA8 Temperature
7883 6826 4097	AMB
" " 4101	AMB

Name

Date

ANALYTICAL REPORT

December 26, 2023

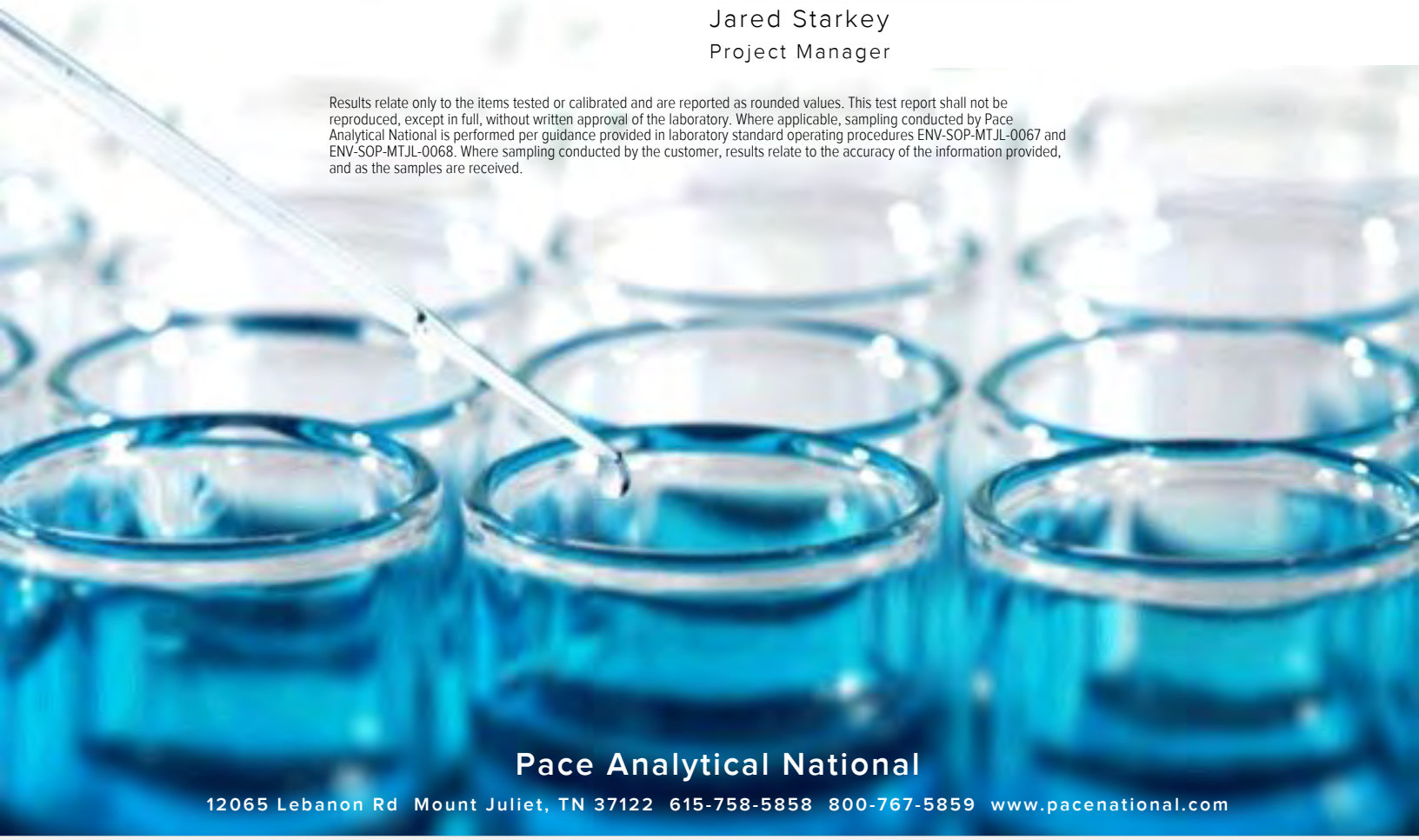
CTEH - ER

Sample Delivery Group:	L1690790
Samples Received:	12/22/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA1219MC001 L1690790-01 Air

Collected by: DM | Collected date/time: 12/20/23 13:16 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 16:39	12/22/23 16:39	SDS	Mt. Juliet, TN

MTWA1219MC001D L1690790-02 Air

Collected by: DM | Collected date/time: 12/20/23 13:16 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 17:08	12/22/23 17:08	SDS	Mt. Juliet, TN

MTWA1219MC002 L1690790-03 Air

Collected by: DM | Collected date/time: 12/20/23 10:08 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 17:37	12/22/23 17:37	SDS	Mt. Juliet, TN

MTWA1219MC003 L1690790-04 Air

Collected by: DM | Collected date/time: 12/20/23 10:24 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 18:05	12/22/23 18:05	SDS	Mt. Juliet, TN

MTWA1219MC004 L1690790-05 Air

Collected by: DM | Collected date/time: 12/20/23 00:53 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 18:34	12/22/23 18:34	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2194715	L1690790-01	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2194715	Butane	L1690790-02, 03, 05
WG2194715	Ethanol	L1690790-03
WG2194715	Methylene Chloride	L1690790-02, 03, 04, 05

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2194715	(LCS) R4016184-1, L1690790-01, 02, 03, 04, 05	n-Decane

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	9.15	21.7		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.249	0.795		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	17.0	40.3		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	0.109	0.531	J	1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.588	1.21		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.137	0.472	J	1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	202	381	E	1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.108	0.468	J	1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.211	1.19		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.464	2.29		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.226	0.924		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.555	1.96	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	2.62	9.10		1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.319	0.941	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	6.27	18.5		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	19.6	48.2		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.893	3.36		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.327	1.42	J	1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.126	0.546	J	1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.2*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.75	6.53		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.319	0.536	J	1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.74	5.94	J	1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.231	0.738		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	0.639	1.52	B	1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.550	1.14		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.312	1.07		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.48	16.0		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.178	0.772	J	1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.474	2.34		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.340	1.39		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.327	1.15	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.293	1.02	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.256	0.755	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.480	1.42		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.556	1.37	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.89	7.12		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0984	0.483	J	1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.571	2.48		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.224	0.971		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.0*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.49	5.92		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.121	0.387	J	1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	0.550	1.30	B	1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.527	1.09		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.147	0.506	J	1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.70	5.09	B	1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.466	2.30		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.174	0.712	J	1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.215	0.758	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.302	1.05	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.168	0.495	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.396	1.17		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.499	1.23	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.0858	0.583	J	1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.567	2.14		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.191	0.828	J	1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.6*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.65	6.30		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.219	0.700		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	0.892	2.12		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.523	1.08		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.631	2.17		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.21	7.94		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.356	1.54		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0888	0.436	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.471	2.33		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.660	2.70		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.567	2.00	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.423	1.47	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.212	0.625	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.101	0.530	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.940	2.77		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.694	1.71	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.14	8.06		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.257	1.26		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0931	0.457	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.186	0.869	J	1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.28	5.55		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.539	2.34		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.8*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.77	8.96		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.145	0.463	J	1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	0.648	1.54	B	1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.552	1.14		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.217	0.747		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.18	7.88		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.115	0.499	J	1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.211	1.19		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.464	2.29		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.263	1.08		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.338	1.19	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.335	1.16	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.170	0.501	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.478	1.41		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.745	1.83	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.766	2.89		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0768	0.377	J	1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.372	1.61	J	1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.161	0.698	J	1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.9*				WG2194715

Method Blank (MB)

(MB) R4016184-3 12/22/23 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0650	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.405	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4016184-3 12/22/23 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	0.143	J	0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	0.104	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4016184-1 12/22/23 09:01 • (LCSD) R4016184-2 12/22/23 09:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.11	4.14	110	110	70.0-130			0.727	25
Acetonitrile	18.8	23.0	22.8	122	121	70.0-130			0.873	25
Acrylonitrile	3.75	4.18	4.08	111	109	70.0-130			2.42	25
Allyl chloride	3.75	4.28	4.27	114	114	70.0-130			0.234	25
Benzene	3.75	3.84	3.83	102	102	70.0-130			0.261	25
Benzyl Chloride	3.75	3.13	3.06	83.5	81.6	70.0-152			2.26	25
Bromodichloromethane	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Bromoform	3.75	3.54	3.49	94.4	93.1	70.0-130			1.42	25
Bromomethane	3.75	3.71	3.61	98.9	96.3	70.0-130			2.73	25
Bromoethane	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
1,3-Butadiene	3.75	4.15	4.22	111	113	70.0-130			1.67	25
Butane	3.75	4.22	4.25	113	113	70.0-130			0.708	25
Carbon disulfide	3.75	3.76	3.69	100	98.4	70.0-130			1.88	25
Carbon tetrachloride	3.75	3.79	3.76	101	100	70.0-130			0.795	25
Chlorobenzene	3.75	3.58	3.59	95.5	95.7	70.0-130			0.279	25
Chloroethane	3.75	3.83	3.78	102	101	70.0-130			1.31	25
Chloroform	3.75	4.04	3.92	108	105	70.0-130			3.02	25
Chloromethane	3.75	4.32	4.28	115	114	70.0-130			0.930	25
2-Chlorotoluene	3.75	3.88	3.79	103	101	70.0-130			2.35	25
Cyclohexane	3.75	3.77	3.73	101	99.5	70.0-130			1.07	25
n-Decane	3.75	4.92	4.83	131	129	70.0-130	J4		1.85	25
Dibromochloromethane	3.75	3.69	3.57	98.4	95.2	70.0-130			3.31	25
1,2-Dibromoethane	3.75	3.74	3.63	99.7	96.8	70.0-130			2.99	25
1,2-Dichlorobenzene	3.75	3.72	3.64	99.2	97.1	70.0-130			2.17	25
1,3-Dichlorobenzene	3.75	3.76	3.67	100	97.9	70.0-130			2.42	25
1,4-Dichlorobenzene	3.75	3.76	3.65	100	97.3	70.0-130			2.97	25
1,2-Dichloroethane	3.75	4.15	4.07	111	109	70.0-130			1.95	25
1,1-Dichloroethane	3.75	4.03	3.97	107	106	70.0-130			1.50	25
1,1-Dichloroethene	3.75	4.04	3.93	108	105	70.0-130			2.76	25
cis-1,2-Dichloroethene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
trans-1,2-Dichloroethene	3.75	4.10	4.05	109	108	70.0-130			1.23	25
1,2-Dichloropropane	3.75	4.11	4.00	110	107	70.0-130			2.71	25
cis-1,3-Dichloropropene	3.75	3.73	3.67	99.5	97.9	70.0-130			1.62	25
trans-1,3-Dichloropropene	3.75	3.62	3.51	96.5	93.6	70.0-130			3.09	25
1,4-Dioxane	3.75	3.97	3.77	106	101	70.0-140			5.17	25
Ethanol	3.75	4.80	4.67	128	125	55.0-148			2.75	25
Ethylbenzene	3.75	3.93	3.77	105	101	70.0-130			4.16	25
4-Ethyltoluene	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Trichlorofluoromethane	3.75	3.79	3.77	101	101	70.0-130			0.529	25
Dichlorodifluoromethane	3.75	3.85	3.80	103	101	64.0-139			1.31	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4016184-1 12/22/23 09:01 • (LCSD) R4016184-2 12/22/23 09:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.66	3.70	97.6	98.7	70.0-130			1.09	25
1,2-Dichlorotetrafluoroethane	3.75	3.78	3.72	101	99.2	70.0-130			1.60	25
Heptane	3.75	4.45	4.41	119	118	70.0-130			0.903	25
Hexachloro-1,3-butadiene	3.75	3.44	3.28	91.7	87.5	70.0-151			4.76	25
n-Hexane	3.75	4.18	4.16	111	111	70.0-130			0.480	25
Isopropylbenzene	3.75	3.83	3.75	102	100	70.0-130			2.11	25
Methylene Chloride	3.75	4.39	4.26	117	114	70.0-130			3.01	25
Methyl Butyl Ketone	3.75	4.49	4.43	120	118	70.0-149			1.35	25
2-Butanone (MEK)	3.75	3.91	3.79	104	101	70.0-130			3.12	25
4-Methyl-2-pentanone (MIBK)	3.75	4.38	4.30	117	115	70.0-139			1.84	25
Methyl methacrylate	3.75	3.88	3.72	103	99.2	70.0-130			4.21	25
MTBE	3.75	3.69	3.68	98.4	98.1	70.0-130			0.271	25
Naphthalene	3.75	3.82	3.77	102	101	70.0-159			1.32	25
Nonane	3.75	4.52	4.44	121	118	70.0-130			1.79	25
Pentane	3.75	4.41	4.34	118	116	70.0-130			1.60	25
2-Propanol	3.75	4.14	4.03	110	107	70.0-139			2.69	25
Propene	3.75	4.53	4.49	121	120	64.0-144			0.887	25
Styrene	3.75	3.87	3.69	103	98.4	70.0-130			4.76	25
1,1,2,2-Tetrachloroethane	3.75	4.09	4.01	109	107	70.0-130			1.98	25
Tetrachloroethylene	3.75	3.35	3.26	89.3	86.9	70.0-130			2.72	25
Tetrahydrofuran	3.75	4.47	4.42	119	118	70.0-137			1.12	25
Toluene	3.75	3.71	3.62	98.9	96.5	70.0-130			2.46	25
1,2,4-Trichlorobenzene	3.75	3.45	3.40	92.0	90.7	70.0-160			1.46	25
1,1,1-Trichloroethane	3.75	3.76	3.75	100	100	70.0-130			0.266	25
1,1,2-Trichloroethane	3.75	3.71	3.66	98.9	97.6	70.0-130			1.36	25
Trichloroethylene	3.75	3.85	3.70	103	98.7	70.0-130			3.97	25
1,2,4-Trimethylbenzene	3.75	3.90	3.84	104	102	70.0-130			1.55	25
1,3,5-Trimethylbenzene	3.75	3.94	3.79	105	101	70.0-130			3.88	25
2,2,4-Trimethylpentane	3.75	4.19	4.11	112	110	70.0-130			1.93	25
Vinyl chloride	3.75	3.95	3.82	105	102	70.0-130			3.35	25
Vinyl Bromide	3.75	3.57	3.61	95.2	96.3	70.0-130			1.11	25
Vinyl acetate	3.75	3.87	3.91	103	104	70.0-130			1.03	25
m&p-Xylene	7.50	8.04	7.73	107	103	70.0-130			3.93	25
o-Xylene	3.75	4.06	3.95	108	105	70.0-130			2.75	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

H188

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com mreilly@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # 037697

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ LL690790

Lab Contact Information / Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1219MC001	MC001	1.4	L	12/19/23	1410	12/20/23	1316	DM	✓					A -01
MTWA1219MC001D	MC001D	1.4	L	12/19/23	1230	12/20/23	1316	DM	✓					A -02
MTWA1219MC002	MC002	1.4	L	12/19/23	1055	12/20/23	1008	DM	✓					A -03
MTWA1219MC003	MC003	1.4	L	12/19/23	1015	12/20/23	1024	DM	✓					A -04
MTWA1219MC004	MC004	1.4	L	12/19/23	0102	12/20/23	0053	DM	✓					A -05
MTWA1218MC004	MC004	1.4	L	12/18/23	0745	12/19/23	0047	DM	✓					A

Sample Receipt Checklist Cont=5

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N	7883 6826 4101	
RA Screen <0.5 mR/hr:	Y N		

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Haywell Walker	12-20/16:10	FedEx	12-20/16:10	
		CC 18	12/20/23 0915	

SDG # _____

Page _____ of _____

ANALYTICAL REPORT

December 26, 2023

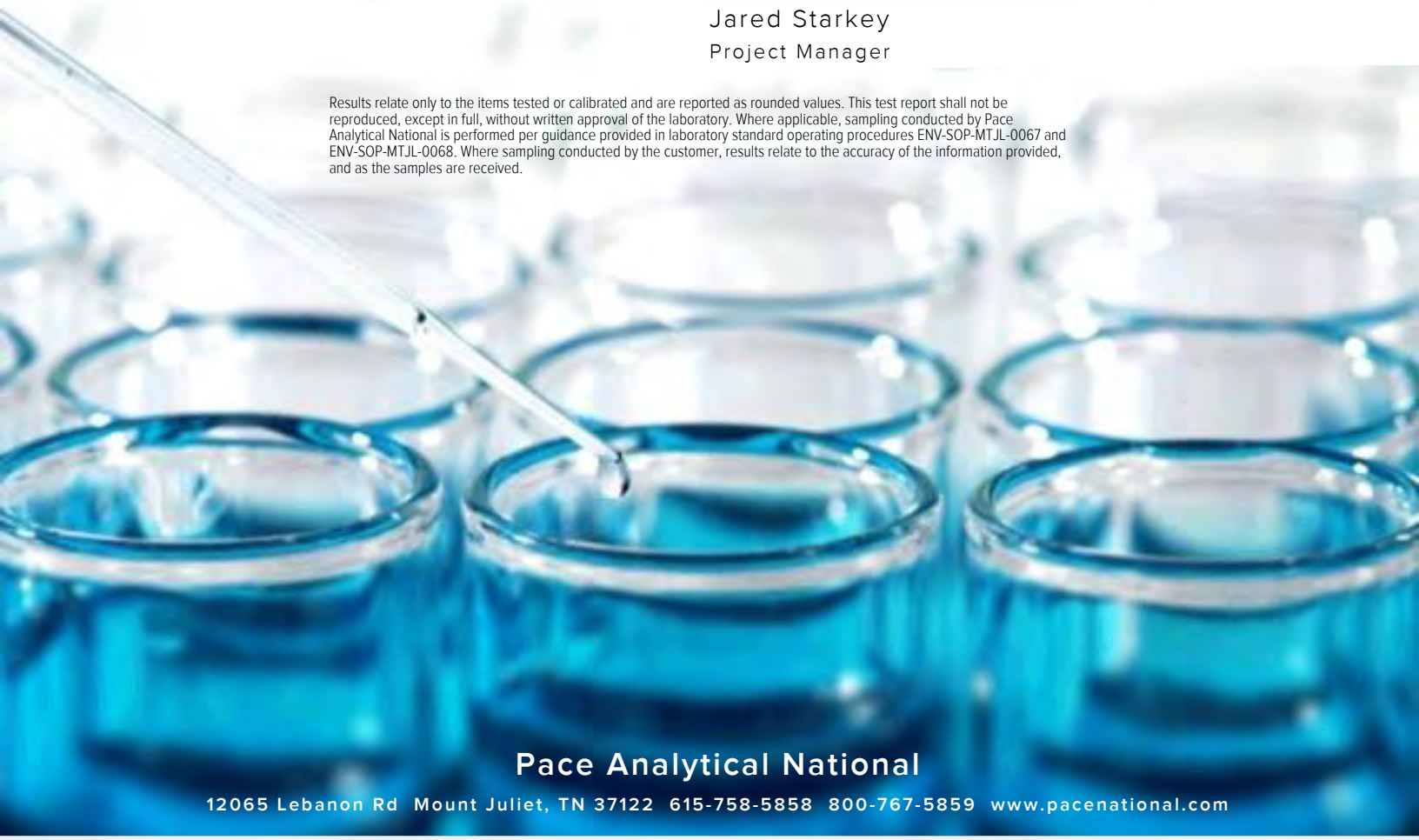
CTEH - ER

Sample Delivery Group:	L1690793
Samples Received:	12/22/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA1220MC001 L1690793-01 Air

Collected by: MG | Collected date/time: 12/21/23 10:00 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 19:02	12/22/23 19:02	SDS	Mt. Juliet, TN

MTWA1220MC001D L1690793-02 Air

Collected by: MG | Collected date/time: 12/21/23 10:05 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 19:30	12/22/23 19:30	SDS	Mt. Juliet, TN

MTWA1220MC002 L1690793-03 Air

Collected by: MG | Collected date/time: 12/21/23 05:05 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 19:59	12/22/23 19:59	SDS	Mt. Juliet, TN

MTWA1220MC003 L1690793-04 Air

Collected by: MG | Collected date/time: 12/21/23 07:22 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 20:27	12/22/23 20:27	SDS	Mt. Juliet, TN

MTWA1220MC004 L1690793-05 Air

Collected by: MG | Collected date/time: 12/20/23 20:18 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2194715	1	12/22/23 20:55	12/22/23 20:55	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2194715	L1690793-01	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2194715	Methylene Chloride	L1690793-02, 03, 04, 05

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2194715	(LCS) R4016184-1, L1690793-01, 02, 03, 04, 05	n-Decane

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.59	15.7		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.356	1.14		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	7.28	17.3		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	0.100	0.487	J	1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.592	1.22		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.524	1.80		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	205	387	E	1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.339	1.47		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.480	2.37		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.668	2.73		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.64	5.78		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	5.57	19.3		1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.273	0.805	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.100	0.525	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	6.06	17.9		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	15.7	38.6		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.28	8.59		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.199	0.977	J	1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.211	0.986		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.03	4.47		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.391	1.70		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.9*				WG2194715

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.16	17.0		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.272	0.457	J	1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.34	5.07	J	1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.407	1.30		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	2.28	5.41		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.511	1.06		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.06	3.65		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.1	26.6		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.573	2.48		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.108	0.530	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.480	2.37		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	1.02	4.17		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.869	3.06		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.529	1.84	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.348	1.03	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.123	0.645	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.63	4.81		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.57	3.86		1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.90	14.7		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.323	1.59		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.115	0.564	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.184	0.860	J	1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.87	8.11		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.746	3.23		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.0*				WG2194715

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.26	7.75		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.282	0.901		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	1.64	3.89		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.466	0.962		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.712	2.45		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.56	16.1		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.404	1.75		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0844	0.414	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.473	2.34		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.773	3.16		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.703	2.48		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.321	1.11	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.180	0.531	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0875	0.459	J	1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.16	3.42		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.911	2.24	J	1	WG2194715

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.55	9.61		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.242	1.19		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0830	0.407	J	1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.142	0.663	J	1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.35	5.85		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.526	2.28		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.7*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.98	7.08		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.531	1.70		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	2.65	6.29		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.509	1.05		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.98	6.82		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.04	17.0		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.09	4.73		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.227	1.11		1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.486	2.40		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	2.04	8.34		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.61	5.68		1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.0839	0.412	J	1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.299	1.04	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.218	0.643	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.249	1.31		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.60	7.67		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.744	1.83	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	7.07	26.6		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.709	3.48		1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.219	1.07		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.306	1.43		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.74	16.2		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.44	6.24		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.8*				WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.14	7.46		1	WG2194715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2194715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2194715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2194715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.217	0.693		1	WG2194715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2194715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2194715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2194715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2194715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2194715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2194715
Butane	106-97-8	58	0.0522	0.200	0.474	0.981	2.33		1	WG2194715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2194715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2194715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2194715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2194715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2194715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.515	1.06		1	WG2194715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2194715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.325	1.12		1	WG2194715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2194715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2194715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2194715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2194715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2194715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2194715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2194715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2194715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2194715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2194715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2194715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2194715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2194715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2194715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2194715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.2	28.7		1	WG2194715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.228	0.988		1	WG2194715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.127	0.623	J	1	WG2194715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.211	1.19		1	WG2194715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.466	2.30		1	WG2194715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2194715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2194715
Heptane	142-82-5	100	0.104	0.200	0.818	0.385	1.57		1	WG2194715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2194715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.362	1.28	J	1	WG2194715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2194715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.338	1.17	B	1	WG2194715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2194715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.295	0.870	J	1	WG2194715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2194715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2194715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2194715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2194715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2194715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.536	1.58		1	WG2194715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.607	1.49	J	1	WG2194715

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2194715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2194715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2194715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2194715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2194715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.44	5.42		1	WG2194715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2194715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2194715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2194715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2194715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.157	0.771	J	1	WG2194715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2194715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2194715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2194715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2194715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2194715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.749	3.25		1	WG2194715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.317	1.37		1	WG2194715
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.4*				WG2194715

Method Blank (MB)

(MB) R4016184-3 12/22/23 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0650	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.405	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4016184-3 12/22/23 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	0.143	J	0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	0.104	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4016184-1 12/22/23 09:01 • (LCSD) R4016184-2 12/22/23 09:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.11	4.14	110	110	70.0-130			0.727	25
Acetonitrile	18.8	23.0	22.8	122	121	70.0-130			0.873	25
Acrylonitrile	3.75	4.18	4.08	111	109	70.0-130			2.42	25
Allyl chloride	3.75	4.28	4.27	114	114	70.0-130			0.234	25
Benzene	3.75	3.84	3.83	102	102	70.0-130			0.261	25
Benzyl Chloride	3.75	3.13	3.06	83.5	81.6	70.0-152			2.26	25
Bromodichloromethane	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Bromoform	3.75	3.54	3.49	94.4	93.1	70.0-130			1.42	25
Bromomethane	3.75	3.71	3.61	98.9	96.3	70.0-130			2.73	25
Bromoethane	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
1,3-Butadiene	3.75	4.15	4.22	111	113	70.0-130			1.67	25
Butane	3.75	4.22	4.25	113	113	70.0-130			0.708	25
Carbon disulfide	3.75	3.76	3.69	100	98.4	70.0-130			1.88	25
Carbon tetrachloride	3.75	3.79	3.76	101	100	70.0-130			0.795	25
Chlorobenzene	3.75	3.58	3.59	95.5	95.7	70.0-130			0.279	25
Chloroethane	3.75	3.83	3.78	102	101	70.0-130			1.31	25
Chloroform	3.75	4.04	3.92	108	105	70.0-130			3.02	25
Chloromethane	3.75	4.32	4.28	115	114	70.0-130			0.930	25
2-Chlorotoluene	3.75	3.88	3.79	103	101	70.0-130			2.35	25
Cyclohexane	3.75	3.77	3.73	101	99.5	70.0-130			1.07	25
n-Decane	3.75	4.92	4.83	131	129	70.0-130	J4		1.85	25
Dibromochloromethane	3.75	3.69	3.57	98.4	95.2	70.0-130			3.31	25
1,2-Dibromoethane	3.75	3.74	3.63	99.7	96.8	70.0-130			2.99	25
1,2-Dichlorobenzene	3.75	3.72	3.64	99.2	97.1	70.0-130			2.17	25
1,3-Dichlorobenzene	3.75	3.76	3.67	100	97.9	70.0-130			2.42	25
1,4-Dichlorobenzene	3.75	3.76	3.65	100	97.3	70.0-130			2.97	25
1,2-Dichloroethane	3.75	4.15	4.07	111	109	70.0-130			1.95	25
1,1-Dichloroethane	3.75	4.03	3.97	107	106	70.0-130			1.50	25
1,1-Dichloroethene	3.75	4.04	3.93	108	105	70.0-130			2.76	25
cis-1,2-Dichloroethene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
trans-1,2-Dichloroethene	3.75	4.10	4.05	109	108	70.0-130			1.23	25
1,2-Dichloropropane	3.75	4.11	4.00	110	107	70.0-130			2.71	25
cis-1,3-Dichloropropene	3.75	3.73	3.67	99.5	97.9	70.0-130			1.62	25
trans-1,3-Dichloropropene	3.75	3.62	3.51	96.5	93.6	70.0-130			3.09	25
1,4-Dioxane	3.75	3.97	3.77	106	101	70.0-140			5.17	25
Ethanol	3.75	4.80	4.67	128	125	55.0-148			2.75	25
Ethylbenzene	3.75	3.93	3.77	105	101	70.0-130			4.16	25
4-Ethyltoluene	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Trichlorofluoromethane	3.75	3.79	3.77	101	101	70.0-130			0.529	25
Dichlorodifluoromethane	3.75	3.85	3.80	103	101	64.0-139			1.31	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4016184-1 12/22/23 09:01 • (LCSD) R4016184-2 12/22/23 09:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.66	3.70	97.6	98.7	70.0-130			1.09	25
1,2-Dichlorotetrafluoroethane	3.75	3.78	3.72	101	99.2	70.0-130			1.60	25
Heptane	3.75	4.45	4.41	119	118	70.0-130			0.903	25
Hexachloro-1,3-butadiene	3.75	3.44	3.28	91.7	87.5	70.0-151			4.76	25
n-Hexane	3.75	4.18	4.16	111	111	70.0-130			0.480	25
Isopropylbenzene	3.75	3.83	3.75	102	100	70.0-130			2.11	25
Methylene Chloride	3.75	4.39	4.26	117	114	70.0-130			3.01	25
Methyl Butyl Ketone	3.75	4.49	4.43	120	118	70.0-149			1.35	25
2-Butanone (MEK)	3.75	3.91	3.79	104	101	70.0-130			3.12	25
4-Methyl-2-pentanone (MIBK)	3.75	4.38	4.30	117	115	70.0-139			1.84	25
Methyl methacrylate	3.75	3.88	3.72	103	99.2	70.0-130			4.21	25
MTBE	3.75	3.69	3.68	98.4	98.1	70.0-130			0.271	25
Naphthalene	3.75	3.82	3.77	102	101	70.0-159			1.32	25
Nonane	3.75	4.52	4.44	121	118	70.0-130			1.79	25
Pentane	3.75	4.41	4.34	118	116	70.0-130			1.60	25
2-Propanol	3.75	4.14	4.03	110	107	70.0-139			2.69	25
Propene	3.75	4.53	4.49	121	120	64.0-144			0.887	25
Styrene	3.75	3.87	3.69	103	98.4	70.0-130			4.76	25
1,1,2,2-Tetrachloroethane	3.75	4.09	4.01	109	107	70.0-130			1.98	25
Tetrachloroethylene	3.75	3.35	3.26	89.3	86.9	70.0-130			2.72	25
Tetrahydrofuran	3.75	4.47	4.42	119	118	70.0-137			1.12	25
Toluene	3.75	3.71	3.62	98.9	96.5	70.0-130			2.46	25
1,2,4-Trichlorobenzene	3.75	3.45	3.40	92.0	90.7	70.0-160			1.46	25
1,1,1-Trichloroethane	3.75	3.76	3.75	100	100	70.0-130			0.266	25
1,1,2-Trichloroethane	3.75	3.71	3.66	98.9	97.6	70.0-130			1.36	25
Trichloroethylene	3.75	3.85	3.70	103	98.7	70.0-130			3.97	25
1,2,4-Trimethylbenzene	3.75	3.90	3.84	104	102	70.0-130			1.55	25
1,3,5-Trimethylbenzene	3.75	3.94	3.79	105	101	70.0-130			3.88	25
2,2,4-Trimethylpentane	3.75	4.19	4.11	112	110	70.0-130			1.93	25
Vinyl chloride	3.75	3.95	3.82	105	102	70.0-130			3.35	25
Vinyl Bromide	3.75	3.57	3.61	95.2	96.3	70.0-130			1.11	25
Vinyl acetate	3.75	3.87	3.91	103	104	70.0-130			1.03	25
m&p-Xylene	7.50	8.04	7.73	107	103	70.0-130			3.93	25
o-Xylene	3.75	4.06	3.95	108	105	70.0-130			2.75	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

H189

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	Andrew Henault, Michael reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☑ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☑ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☑
Retain w/ storage fees after 2X hold time ☐

LL90793

Lab Contact Information / Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method 10-15	Matrix
MTWA1220MC001	MC001	1.4	L	12-20-23	13:40	12-21-23	10:00	MG	✓	A-01
MTWA1220MC001D	MC001D	1.4	L	12-20-23	13:40	12-21-23	10:05	MG	✓	A-02
MTWA1220MC002	MC002	1.4	L	12-20-23	10:20	12-21-23	05:05	MG	✓	A-03
MTWA1220MC003	MC003	1.4	L	12-20-23	10:35	12-21-23	07:22	MG	✓	A-04
MTWA1220MC004	MC004	1.4	L	12-20-23	01:00	12-20-23	20:18	MG	✓	A-05

MG

Sample Receipt Checklist Cont=5

COC Seal Present/Intact:	✓Y N	If Applicable	
COC Signed/Accurate:	✓Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	✓Y N	Pres. Correct/Check:	Y N
Correct bottles used:	✓Y N		
Sufficient volume sent:	✓Y N		
RA Screen <0.5 mR/hr:	✓Y N	7884 1961 7513	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
[signature]	12-21/15:55	FedEx	12-21/15:55	
		[signature] (R)	12/22/23 0915	

SDG # _____

ANALYTICAL REPORT

February 20, 2024

Revised Report

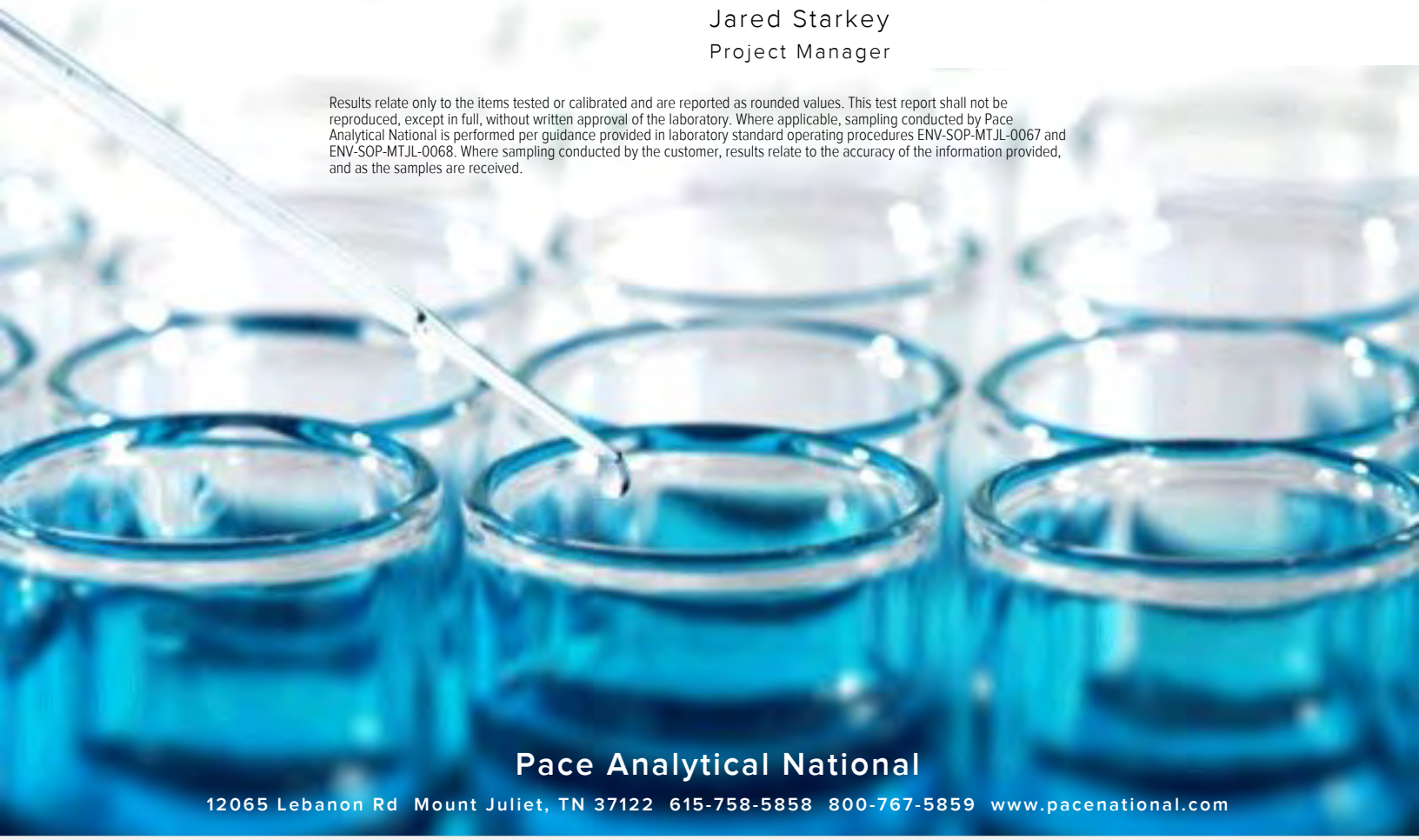
CTEH - ER

Sample Delivery Group:	L1691675
Samples Received:	12/28/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1221MC002 L1691675-01 Air

Collected by: DA | Collected date/time: 12/22/23 00:55 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 13:35	12/28/23 13:35	MNP	Mt. Juliet, TN

MTWA1222MC003 L1691675-02 Air

Collected by: DA | Collected date/time: 12/23/23 03:30 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 14:00	12/28/23 14:00	MNP	Mt. Juliet, TN

MTWA1222MC004 L1691675-03 Air

Collected by: DA | Collected date/time: 12/23/23 03:50 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 14:28	12/28/23 14:28	MNP	Mt. Juliet, TN

MTWA1222MC002 L1691675-04 Air

Collected by: DA | Collected date/time: 12/23/23 03:14 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 14:53	12/28/23 14:53	MNP	Mt. Juliet, TN

MTWA1222MC001D L1691675-05 Air

Collected by: DA | Collected date/time: 12/23/23 02:30 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 15:20	12/28/23 15:20	MNP	Mt. Juliet, TN

MTWA1222MC001 L1691675-06 Air

Collected by: DA | Collected date/time: 12/23/23 02:30 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 15:46	12/28/23 15:46	MNP	Mt. Juliet, TN

MTWA1221MC004 L1691675-07 Air

Collected by: DA | Collected date/time: 12/22/23 14:48 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 16:11	12/28/23 16:11	MNP	Mt. Juliet, TN

MTWA1220MC004B L1691675-08 Air

Collected by: DA | Collected date/time: 12/21/23 16:03 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 16:37	12/28/23 16:37	MNP	Mt. Juliet, TN

MTWA1221MC001D L1691675-09 Air

Collected by	Collected date/time	Received date/time
DA	12/22/23 09:21	12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197181	1	12/28/23 17:03	12/28/23 17:03	MNP	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 12/29/23 17:08
Level II Report - Version 2: 12/30/23 17:57
Level II Report - Version 3: 12/31/23 16:08
Level IV Report - Version 4: 01/31/24 19:39
Level II Report - Version 5: 02/12/24 10:01
Level IV Report - Version 6: 02/20/24 09:07

Project Comments

ID Corrections
MDL Reporting

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2197181	Ethanol	L1691675-04, 07
WG2197181	Methylene Chloride	L1691675-01, 02, 04, 05, 06, 07, 08, 09

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1221MC002	L1691675-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	8.84	21.0		1	WG2197181
MTWA1221MC002	L1691675-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.440	1.41		1	WG2197181
MTWA1221MC002	L1691675-01	Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2197181
MTWA1221MC002	L1691675-01	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.138	0.364	J	1	WG2197181
MTWA1221MC002	L1691675-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.510	1.05		1	WG2197181
MTWA1221MC002	L1691675-01	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.337	1.16		1	WG2197181
MTWA1221MC002	L1691675-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.7	31.5		1	WG2197181
MTWA1221MC002	L1691675-01	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.189	0.819	J	1	WG2197181
MTWA1221MC002	L1691675-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2197181
MTWA1221MC002	L1691675-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.465	2.30		1	WG2197181
MTWA1221MC002	L1691675-01	Heptane	142-82-5	100	0.104	0.200	0.818	0.369	1.51		1	WG2197181
MTWA1221MC002	L1691675-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.373	1.32	J	1	WG2197181
MTWA1221MC002	L1691675-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.766	2.66	B	1	WG2197181
MTWA1221MC002	L1691675-01	Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	0.198	0.810	J	1	WG2197181
MTWA1221MC002	L1691675-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.824	2.43	J	1	WG2197181
MTWA1221MC002	L1691675-01	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0591	0.310	J	1	WG2197181
MTWA1221MC002	L1691675-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.740	2.18		1	WG2197181
MTWA1221MC002	L1691675-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.50	3.69		1	WG2197181
MTWA1221MC002	L1691675-01	Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	3.20	9.44		1	WG2197181
MTWA1221MC002	L1691675-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.57	9.68		1	WG2197181
MTWA1221MC002	L1691675-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.155	0.761	J	1	WG2197181
MTWA1221MC002	L1691675-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.611	2.65		1	WG2197181
MTWA1221MC002	L1691675-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.257	1.11		1	WG2197181
MTWA1222MC003	L1691675-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.58	18.0		1	WG2197181
MTWA1222MC003	L1691675-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.364	1.16		1	WG2197181
MTWA1222MC003	L1691675-02	Butane	106-97-8	58	0.0522	0.200	0.474	1.14	2.70		1	WG2197181
MTWA1222MC003	L1691675-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.657	1.36		1	WG2197181
MTWA1222MC003	L1691675-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.416	1.43		1	WG2197181
MTWA1222MC003	L1691675-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.9	24.3		1	WG2197181
MTWA1222MC003	L1691675-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.122	0.529	J	1	WG2197181
MTWA1222MC003	L1691675-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2197181
MTWA1222MC003	L1691675-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.450	2.23		1	WG2197181
MTWA1222MC003	L1691675-02	Heptane	142-82-5	100	0.104	0.200	0.818	0.365	1.49		1	WG2197181
MTWA1222MC003	L1691675-02	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.504	1.78	J	1	WG2197181
MTWA1222MC003	L1691675-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.497	1.73	B	1	WG2197181
MTWA1222MC003	L1691675-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.657	1.94	J	1	WG2197181
MTWA1222MC003	L1691675-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.948	2.80		1	WG2197181
MTWA1222MC003	L1691675-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.57	3.86		1	WG2197181
MTWA1222MC003	L1691675-02	Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	0.892	2.63		1	WG2197181
MTWA1222MC003	L1691675-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.46	9.27		1	WG2197181
MTWA1222MC003	L1691675-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.379	1.64	J	1	WG2197181
MTWA1222MC003	L1691675-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.145	0.629	J	1	WG2197181
MTWA1222MC004	L1691675-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	13.7	32.6		1	WG2197181
MTWA1222MC004	L1691675-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.26	4.02		1	WG2197181
MTWA1222MC004	L1691675-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.831	1.97		1	WG2197181
MTWA1222MC004	L1691675-03	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.383	1.01		1	WG2197181
MTWA1222MC004	L1691675-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.45	2.99		1	WG2197181
MTWA1222MC004	L1691675-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	28.4	53.5		1	WG2197181
MTWA1222MC004	L1691675-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.208	1.17		1	WG2197181
MTWA1222MC004	L1691675-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.457	2.26		1	WG2197181
MTWA1222MC004	L1691675-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.241	0.850	J	1	WG2197181
MTWA1222MC004	L1691675-03	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.414	2.04		1	WG2197181
MTWA1222MC004	L1691675-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.68	5.83		1	WG2197181
MTWA1222MC004	L1691675-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.969	2.86	J	1	WG2197181
MTWA1222MC004	L1691675-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.690	2.04		1	WG2197181
MTWA1222MC004	L1691675-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.48	3.64		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1222MC004	L1691675-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.29	8.63		1	WG2197181
MTWA1222MC002	L1691675-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.31	7.87		1	WG2197181
MTWA1222MC002	L1691675-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.218	0.696		1	WG2197181
MTWA1222MC002	L1691675-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.431	1.02		1	WG2197181
MTWA1222MC002	L1691675-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.521	1.08		1	WG2197181
MTWA1222MC002	L1691675-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.23	9.86	B	1	WG2197181
MTWA1222MC002	L1691675-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.209	1.17		1	WG2197181
MTWA1222MC002	L1691675-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.456	2.26		1	WG2197181
MTWA1222MC002	L1691675-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.345	1.20	B	1	WG2197181
MTWA1222MC002	L1691675-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.353	1.04	J	1	WG2197181
MTWA1222MC002	L1691675-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.224	0.661		1	WG2197181
MTWA1222MC002	L1691675-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.837	2.06	J	1	WG2197181
MTWA1222MC002	L1691675-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.280	1.05	J	1	WG2197181
MTWA1222MC001D	L1691675-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.89	9.24		1	WG2197181
MTWA1222MC001D	L1691675-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.294	0.939		1	WG2197181
MTWA1222MC001D	L1691675-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.420	0.996		1	WG2197181
MTWA1222MC001D	L1691675-05	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.477	1.26		1	WG2197181
MTWA1222MC001D	L1691675-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.631	1.30		1	WG2197181
MTWA1222MC001D	L1691675-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	19.8	37.3		1	WG2197181
MTWA1222MC001D	L1691675-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2197181
MTWA1222MC001D	L1691675-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.459	2.27		1	WG2197181
MTWA1222MC001D	L1691675-05	Heptane	142-82-5	100	0.104	0.200	0.818	0.138	0.564	J	1	WG2197181
MTWA1222MC001D	L1691675-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.409	1.42	B	1	WG2197181
MTWA1222MC001D	L1691675-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.256	0.755	J	1	WG2197181
MTWA1222MC001D	L1691675-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.201	0.593		1	WG2197181
MTWA1222MC001D	L1691675-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.922	2.27	J	1	WG2197181
MTWA1222MC001D	L1691675-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.24	4.67		1	WG2197181
MTWA1222MC001	L1691675-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.58	13.3		1	WG2197181
MTWA1222MC001	L1691675-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.284	0.477	J	1	WG2197181
MTWA1222MC001	L1691675-06	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.85	6.18	J	1	WG2197181
MTWA1222MC001	L1691675-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.208	0.664		1	WG2197181
MTWA1222MC001	L1691675-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.435	1.03		1	WG2197181
MTWA1222MC001	L1691675-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.509	1.05		1	WG2197181
MTWA1222MC001	L1691675-06	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.433	1.72		1	WG2197181
MTWA1222MC001	L1691675-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.7	23.9		1	WG2197181
MTWA1222MC001	L1691675-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.205	1.15		1	WG2197181
MTWA1222MC001	L1691675-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.443	2.19		1	WG2197181
MTWA1222MC001	L1691675-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.405	1.41	B	1	WG2197181
MTWA1222MC001	L1691675-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.614	1.81	J	1	WG2197181
MTWA1222MC001	L1691675-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.435	1.28		1	WG2197181
MTWA1222MC001	L1691675-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.39	3.42		1	WG2197181
MTWA1222MC001	L1691675-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.670	2.52		1	WG2197181
MTWA1221MC004	L1691675-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.14	14.6		1	WG2197181
MTWA1221MC004	L1691675-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.239	0.763		1	WG2197181
MTWA1221MC004	L1691675-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.788	1.87		1	WG2197181
MTWA1221MC004	L1691675-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.497	1.03		1	WG2197181
MTWA1221MC004	L1691675-07	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.110	0.379	J	1	WG2197181
MTWA1221MC004	L1691675-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.85	14.8	B	1	WG2197181
MTWA1221MC004	L1691675-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2197181
MTWA1221MC004	L1691675-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.446	2.21		1	WG2197181
MTWA1221MC004	L1691675-07	Heptane	142-82-5	100	0.104	0.200	0.818	0.142	0.581	J	1	WG2197181
MTWA1221MC004	L1691675-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.456	1.58	B	1	WG2197181
MTWA1221MC004	L1691675-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.559	1.65	J	1	WG2197181
MTWA1221MC004	L1691675-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.296	0.873		1	WG2197181
MTWA1221MC004	L1691675-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.943	2.32	J	1	WG2197181
MTWA1221MC004	L1691675-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.588	2.21		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1221MC004	L1691675-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.223	0.967	J	1	WG2197181
MTWA1221MC004	L1691675-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0966	0.419	J	1	WG2197181
MTWA1220MC004B	L1691675-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	16.3	38.7		1	WG2197181
MTWA1220MC004B	L1691675-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.519	1.66		1	WG2197181
MTWA1220MC004B	L1691675-08	Butane	106-97-8	58	0.0522	0.200	0.474	1.38	3.27		1	WG2197181
MTWA1220MC004B	L1691675-08	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.100	0.264	J	1	WG2197181
MTWA1220MC004B	L1691675-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.582	1.20		1	WG2197181
MTWA1220MC004B	L1691675-08	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.517	1.78		1	WG2197181
MTWA1220MC004B	L1691675-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	17.7	33.4		1	WG2197181
MTWA1220MC004B	L1691675-08	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.278	1.21		1	WG2197181
MTWA1220MC004B	L1691675-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.210	1.18		1	WG2197181
MTWA1220MC004B	L1691675-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.454	2.25		1	WG2197181
MTWA1220MC004B	L1691675-08	Heptane	142-82-5	100	0.104	0.200	0.818	0.505	2.07		1	WG2197181
MTWA1220MC004B	L1691675-08	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.490	1.73	J	1	WG2197181
MTWA1220MC004B	L1691675-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.638	2.22	B	1	WG2197181
MTWA1220MC004B	L1691675-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.85	5.46		1	WG2197181
MTWA1220MC004B	L1691675-08	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0600	0.315	J	1	WG2197181
MTWA1220MC004B	L1691675-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.898	2.65		1	WG2197181
MTWA1220MC004B	L1691675-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.13	2.78	J	1	WG2197181
MTWA1220MC004B	L1691675-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.80	14.3		1	WG2197181
MTWA1220MC004B	L1691675-08	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.150	0.736	J	1	WG2197181
MTWA1220MC004B	L1691675-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.841	3.65		1	WG2197181
MTWA1220MC004B	L1691675-08	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.357	1.55		1	WG2197181
MTWA1221MC001D	L1691675-09	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.56	8.46		1	WG2197181
MTWA1221MC001D	L1691675-09	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	6.26	13.6		1	WG2197181
MTWA1221MC001D	L1691675-09	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.265	0.846		1	WG2197181
MTWA1221MC001D	L1691675-09	Butane	106-97-8	58	0.0522	0.200	0.474	1.18	2.80		1	WG2197181
MTWA1221MC001D	L1691675-09	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.108	0.285	J	1	WG2197181
MTWA1221MC001D	L1691675-09	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.490	1.01		1	WG2197181
MTWA1221MC001D	L1691675-09	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.535	1.84		1	WG2197181
MTWA1221MC001D	L1691675-09	Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.2	23.0		1	WG2197181
MTWA1221MC001D	L1691675-09	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.288	1.25		1	WG2197181
MTWA1221MC001D	L1691675-09	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2197181
MTWA1221MC001D	L1691675-09	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.457	2.26		1	WG2197181
MTWA1221MC001D	L1691675-09	Heptane	142-82-5	100	0.104	0.200	0.818	0.500	2.04		1	WG2197181
MTWA1221MC001D	L1691675-09	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.518	1.83	J	1	WG2197181
MTWA1221MC001D	L1691675-09	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.401	1.39	B	1	WG2197181
MTWA1221MC001D	L1691675-09	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.317	0.935	J	1	WG2197181
MTWA1221MC001D	L1691675-09	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0821	0.431	J	1	WG2197181
MTWA1221MC001D	L1691675-09	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.09	3.22		1	WG2197181
MTWA1221MC001D	L1691675-09	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.901	2.21	J	1	WG2197181
MTWA1221MC001D	L1691675-09	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.34	8.81		1	WG2197181
MTWA1221MC001D	L1691675-09	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.235	1.15		1	WG2197181
MTWA1221MC001D	L1691675-09	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.924	4.01		1	WG2197181
MTWA1221MC001D	L1691675-09	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.404	1.75		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.84	21.0		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.440	1.41		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.138	0.364	J	1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.510	1.05		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.337	1.16		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.7	31.5		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.189	0.819	J	1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.465	2.30		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	0.369	1.51		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.373	1.32	J	1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.766	2.66	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	0.198	0.810	J	1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.824	2.43	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0591	0.310	J	1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.740	2.18		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.50	3.69		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	3.20	9.44		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.57	9.68		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.155	0.761	J	1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.611	2.65		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.257	1.11		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.9*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.58	18.0		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.364	1.16		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	1.14	2.70		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.657	1.36		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.416	1.43		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.9	24.3		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.122	0.529	J	1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.450	2.23		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	0.365	1.49		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.504	1.78	J	1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.497	1.73	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.657	1.94	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.948	2.80		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.57	3.86		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	0.892	2.63		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.46	9.27		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.379	1.64	J	1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.145	0.629	J	1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.4*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	13.7	32.6		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.26	4.02		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	0.831	1.97		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.383	1.01		1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.45	2.99		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	28.4	53.5		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.208	1.17		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.457	2.26		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.241	0.850	J	1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.414	2.04		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.68	5.83		1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.969	2.86	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.690	2.04		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.48	3.64		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.29	8.63		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.5*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.31	7.87		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.218	0.696		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	0.431	1.02		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.521	1.08		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.23	9.86	B	1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.209	1.17		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.456	2.26		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.345	1.20	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.353	1.04	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.224	0.661		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.837	2.06	J	1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.280	1.05	J	1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.3*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.89	9.24		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.294	0.939		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	0.420	0.996		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.477	1.26		1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.631	1.30		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	19.8	37.3		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.459	2.27		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	0.138	0.564	J	1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.409	1.42	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.256	0.755	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.201	0.593		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.922	2.27	J	1	WG2197181

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.24	4.67		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.1*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.58	13.3		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.284	0.477	J	1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.85	6.18	J	1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.208	0.664		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	0.435	1.03		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.509	1.05		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.433	1.72		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.7	23.9		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.205	1.15		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.443	2.19		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.405	1.41	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.614	1.81	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.435	1.28		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.39	3.42		1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.670	2.52		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.0*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.14	14.6		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.239	0.763		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	0.788	1.87		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.497	1.03		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.110	0.379	J	1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.85	14.8	B	1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.446	2.21		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	0.142	0.581	J	1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.456	1.58	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.559	1.65	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.296	0.873		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.943	2.32	J	1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.588	2.21		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.223	0.967	J	1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0966	0.419	J	1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.5*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	16.3	38.7		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.519	1.66		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	1.38	3.27		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.100	0.264	J	1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.582	1.20		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.517	1.78		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	17.7	33.4		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.278	1.21		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.210	1.18		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.454	2.25		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	0.505	2.07		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.490	1.73	J	1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.638	2.22	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.85	5.46		1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0600	0.315	J	1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.898	2.65		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.13	2.78	J	1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.80	14.3		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.150	0.736	J	1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.841	3.65		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.357	1.55		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.6*				WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.56	8.46		1	WG2197181
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197181
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	6.26	13.6		1	WG2197181
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197181
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.265	0.846		1	WG2197181
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197181
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197181
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197181
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197181
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197181
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197181
Butane	106-97-8	58	0.0522	0.200	0.474	1.18	2.80		1	WG2197181
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197181
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197181
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197181
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.108	0.285	J	1	WG2197181
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197181
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.490	1.01		1	WG2197181
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197181
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.535	1.84		1	WG2197181
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197181
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197181
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197181
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197181
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197181
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197181
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197181
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197181
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197181
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197181
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197181
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197181
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197181
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197181
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197181
Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.2	23.0		1	WG2197181
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.288	1.25		1	WG2197181
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197181
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2197181
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.457	2.26		1	WG2197181
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197181
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197181
Heptane	142-82-5	100	0.104	0.200	0.818	0.500	2.04		1	WG2197181
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197181
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.518	1.83	J	1	WG2197181
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197181
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.401	1.39	B	1	WG2197181
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197181
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.317	0.935	J	1	WG2197181
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197181
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197181
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197181
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197181
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0821	0.431	J	1	WG2197181
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.09	3.22		1	WG2197181
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.901	2.21	J	1	WG2197181

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197181
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197181
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197181
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197181
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197181
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.34	8.81		1	WG2197181
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197181
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197181
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197181
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197181
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.235	1.15		1	WG2197181
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197181
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197181
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197181
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197181
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197181
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.924	4.01		1	WG2197181
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.404	1.75		1	WG2197181
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.4*				WG2197181

Method Blank (MB)

(MB) R4017767-2 12/28/23 09:29

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	1.01	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4017767-2 12/28/23 09:29

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	0.110	J	0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*99.5*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4017767-1 12/28/23 09:03 • (LCSD) R4017767-3 12/28/23 10:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.65	3.65	97.3	97.3	70.0-130			0.000	25
Acetonitrile	18.8	19.7	19.9	105	106	70.0-130			1.01	25
Acrylonitrile	3.75	3.86	3.86	103	103	70.0-130			0.000	25
Allyl chloride	3.75	3.90	3.93	104	105	70.0-130			0.766	25
Benzene	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Benzyl Chloride	3.75	4.59	4.33	122	115	70.0-152			5.83	25
Bromodichloromethane	3.75	3.92	3.87	105	103	70.0-130			1.28	25
Bromoform	3.75	3.83	3.78	102	101	70.0-130			1.31	25
Bromomethane	3.75	3.79	3.86	101	103	70.0-130			1.83	25
Bromoethane	3.75	3.80	3.88	101	103	70.0-130			2.08	25
1,3-Butadiene	3.75	3.81	3.82	102	102	70.0-130			0.262	25
Butane	3.75	3.75	3.84	100	102	70.0-130			2.37	25
Carbon disulfide	3.75	4.20	4.17	112	111	70.0-130			0.717	25
Carbon tetrachloride	3.75	3.80	3.78	101	101	70.0-130			0.528	25
Chlorobenzene	3.75	3.88	3.92	103	105	70.0-130			1.03	25
Chloroethane	3.75	3.83	3.90	102	104	70.0-130			1.81	25
Chloroform	3.75	3.83	3.88	102	103	70.0-130			1.30	25
Chloromethane	3.75	3.83	3.86	102	103	70.0-130			0.780	25
2-Chlorotoluene	3.75	3.93	3.90	105	104	70.0-130			0.766	25
Cyclohexane	3.75	3.76	3.76	100	100	70.0-130			0.000	25
n-Decane	3.75	4.11	4.16	110	111	70.0-130			1.21	25
Dibromochloromethane	3.75	3.91	3.93	104	105	70.0-130			0.510	25
1,2-Dibromoethane	3.75	3.97	4.03	106	107	70.0-130			1.50	25
1,2-Dichlorobenzene	3.75	3.98	3.92	106	105	70.0-130			1.52	25
1,3-Dichlorobenzene	3.75	3.94	3.95	105	105	70.0-130			0.253	25
1,4-Dichlorobenzene	3.75	4.00	4.00	107	107	70.0-130			0.000	25
1,2-Dichloroethane	3.75	3.92	3.92	105	105	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.87	3.92	103	105	70.0-130			1.28	25
1,1-Dichloroethene	3.75	3.86	3.85	103	103	70.0-130			0.259	25
cis-1,2-Dichloroethene	3.75	3.83	3.91	102	104	70.0-130			2.07	25
trans-1,2-Dichloroethene	3.75	3.82	3.88	102	103	70.0-130			1.56	25
1,2-Dichloropropane	3.75	3.92	3.85	105	103	70.0-130			1.80	25
cis-1,3-Dichloropropene	3.75	3.94	4.12	105	110	70.0-130			4.47	25
trans-1,3-Dichloropropene	3.75	3.85	3.83	103	102	70.0-130			0.521	25
1,4-Dioxane	3.75	3.85	4.17	103	111	70.0-140			7.98	25
Ethanol	3.75	3.91	4.06	104	108	55.0-148			3.76	25
Ethylbenzene	3.75	3.89	3.89	104	104	70.0-130			0.000	25
4-Ethyltoluene	3.75	3.99	3.93	106	105	70.0-130			1.52	25
Trichlorofluoromethane	3.75	3.82	3.86	102	103	70.0-130			1.04	25
Dichlorodifluoromethane	3.75	3.85	3.87	103	103	64.0-139			0.518	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4017767-1 12/28/23 09:03 • (LCSD) R4017767-3 12/28/23 10:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.82	3.85	102	103	70.0-130			0.782	25
1,2-Dichlorotetrafluoroethane	3.75	3.82	3.91	102	104	70.0-130			2.33	25
Heptane	3.75	3.89	3.95	104	105	70.0-130			1.53	25
Hexachloro-1,3-butadiene	3.75	3.81	3.82	102	102	70.0-151			0.262	25
n-Hexane	3.75	3.71	3.73	98.9	99.5	70.0-130			0.538	25
Isopropylbenzene	3.75	3.94	3.94	105	105	70.0-130			0.000	25
Methylene Chloride	3.75	3.50	3.57	93.3	95.2	70.0-130			1.98	25
Methyl Butyl Ketone	3.75	4.37	4.34	117	116	70.0-149			0.689	25
2-Butanone (MEK)	3.75	3.97	3.88	106	103	70.0-130			2.29	25
4-Methyl-2-pentanone (MIBK)	3.75	3.90	3.88	104	103	70.0-139			0.514	25
Methyl methacrylate	3.75	3.83	3.91	102	104	70.0-130			2.07	25
MTBE	3.75	3.78	3.80	101	101	70.0-130			0.528	25
Naphthalene	3.75	4.16	4.15	111	111	70.0-159			0.241	25
Nonane	3.75	3.98	3.96	106	106	70.0-130			0.504	25
Pentane	3.75	3.81	3.84	102	102	70.0-130			0.784	25
2-Propanol	3.75	3.42	3.58	91.2	95.5	70.0-139			4.57	25
Propene	3.75	3.80	3.76	101	100	64.0-144			1.06	25
Styrene	3.75	4.02	3.98	107	106	70.0-130			1.00	25
1,1,2,2-Tetrachloroethane	3.75	3.92	3.96	105	106	70.0-130			1.02	25
Tetrachloroethylene	3.75	3.84	3.88	102	103	70.0-130			1.04	25
Tetrahydrofuran	3.75	3.81	3.91	102	104	70.0-137			2.59	25
Toluene	3.75	3.87	3.86	103	103	70.0-130			0.259	25
1,2,4-Trichlorobenzene	3.75	3.95	3.96	105	106	70.0-160			0.253	25
1,1,1-Trichloroethane	3.75	3.81	3.80	102	101	70.0-130			0.263	25
1,1,2-Trichloroethane	3.75	3.86	3.91	103	104	70.0-130			1.29	25
Trichloroethylene	3.75	3.84	3.87	102	103	70.0-130			0.778	25
1,2,4-Trimethylbenzene	3.75	3.98	3.98	106	106	70.0-130			0.000	25
1,3,5-Trimethylbenzene	3.75	3.94	3.98	105	106	70.0-130			1.01	25
2,2,4-Trimethylpentane	3.75	3.82	3.84	102	102	70.0-130			0.522	25
Vinyl chloride	3.75	3.85	3.82	103	102	70.0-130			0.782	25
Vinyl Bromide	3.75	3.85	3.80	103	101	70.0-130			1.31	25
Vinyl acetate	3.75	3.76	3.73	100	99.5	70.0-130			0.801	25
m&p-Xylene	7.50	7.79	7.76	104	103	70.0-130			0.386	25
o-Xylene	3.75	3.94	3.89	105	104	70.0-130			1.28	25
(S) 1,4-Bromofluorobenzene				*100*	*99.9*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

AMB
7885 4263 0864

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J180

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☑ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☑ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☑ LL691675

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1221MCØØ2	Ø28Ø13	Ø23563	12/21/23	Ø5ØØ	12/22/23	ØØ55	-28	~~-2~~ -5	DH	✓				A -01
MTWA1222MCØØ3	Ø15573	Ø28231	12/22/23	Ø75Ø	12/23/23	Ø33Ø	-3Ø	-4	DH	✓				A -02
MTWA1222MCØØ4	ØØ8133	Ø13Ø4Ø	12/22/23	15ØØ	12/23/23	Ø35Ø	-29	-1Ø	DH	✓				A -03
MTWA1222MCØØ2	Ø21523	Ø21227	12/22/23	Ø1Ø1	12/23/23	Ø314	-29	-6	DH	✓				A -04
MTWA1222MCØØ1D	Ø29269	Ø13564	12/22/23	Ø94Ø	12/23/23	Ø23Ø	-3Ø	-9	DH	✓				A -05
MTWA1222MCØØ1	Ø29144	Ø28277	12/22/23	Ø94Ø	12/23/23	Ø23Ø	-3Ø	-6	DH	✓				A -06
MTWA1221MCØØ4	Ø28Ø21	Ø1Ø112	12/21/23	1615	12/22/23	1448	-3Ø	-5	DH	✓				A -07
MTWA122ØMCØØ4B	Ø12671	Ø23557	~~12/20/23~~ 12/21/23	2Ø25	12/21/23	16Ø3	-27	-6	DH	✓				A -08
MTWA1221MCØØ1D	Ø1Ø767	Ø23555	12/21/23	1Ø2Ø	12/22/23	Ø921	-3Ø	-3	DH	✓				A -09

MG

MG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
	12/26/23 1545			
			12/28/23 0900	

SDG #

ANALYTICAL REPORT

January 03, 2024

Revised Report

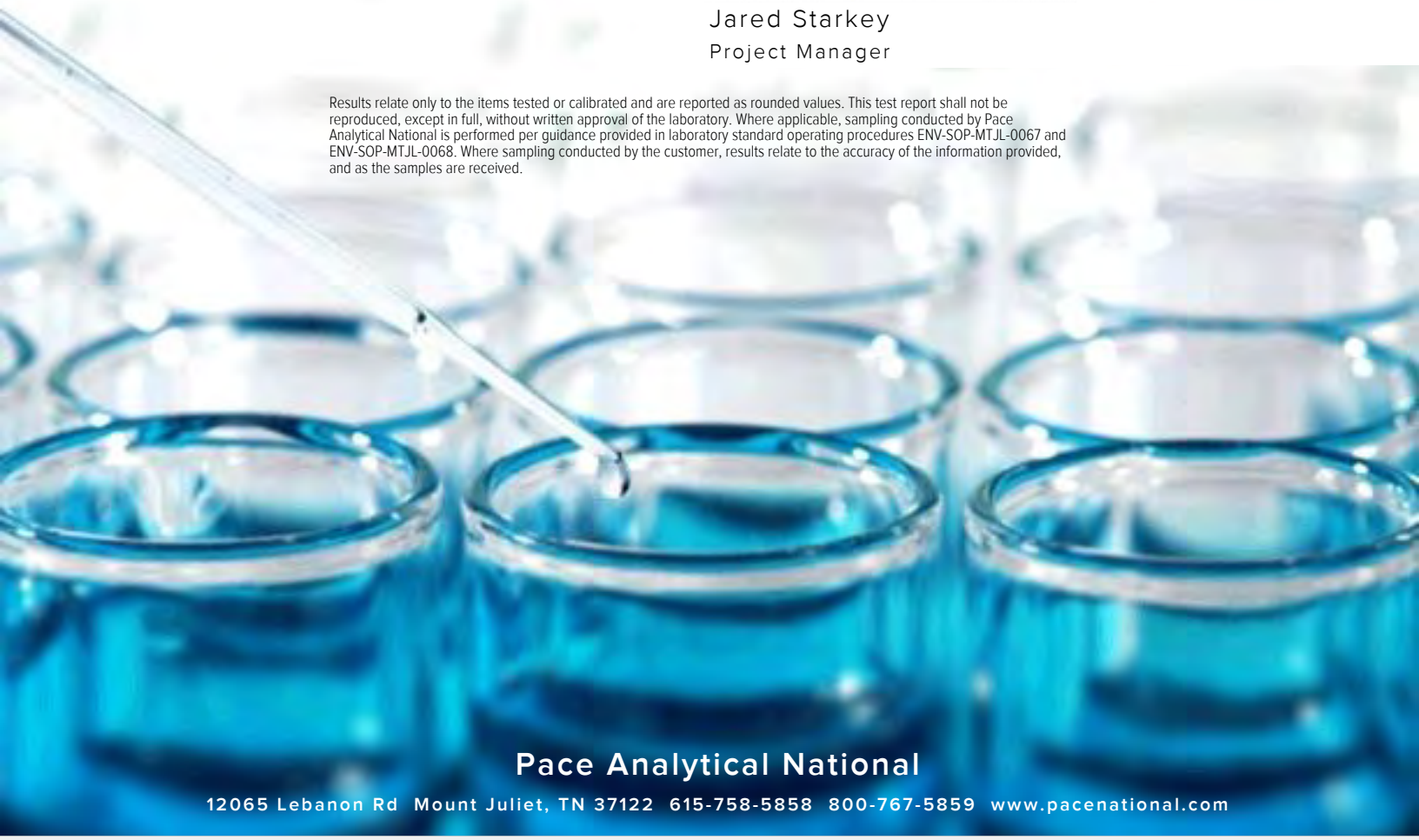
CTEH - ER

Sample Delivery Group:	L1691676
Samples Received:	12/28/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1223MC002B L1691676-01 Air

Collected by: DA | Collected date/time: 12/24/23 21:35 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197197	1	12/28/23 12:14	12/28/23 12:14	MBF	Mt. Juliet, TN

MTWA1223MC001B L1691676-02 Air

Collected by: DA | Collected date/time: 12/24/23 21:57 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197197	1	12/28/23 12:58	12/28/23 12:58	MBF	Mt. Juliet, TN

MTWA1223MC004 L1691676-03 Air

Collected by: DA | Collected date/time: 12/24/23 00:16 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197197	1	12/28/23 13:41	12/28/23 13:41	MBF	Mt. Juliet, TN

MTWA1223MC003BCL L1691676-04 Air

Collected by: DA | Collected date/time: 12/24/23 22:18 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197197	1	12/28/23 14:25	12/28/23 14:25	MBF	Mt. Juliet, TN

MTWA1224MC001 L1691676-05 Air

Collected by: DA | Collected date/time: 12/25/23 20:07 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197197	1	12/28/23 15:08	12/28/23 15:08	MBF	Mt. Juliet, TN

MTWA1224MC002 L1691676-06 Air

Collected by: DA | Collected date/time: 12/25/23 19:47 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197201	1	12/28/23 15:05	12/28/23 15:05	GH	Mt. Juliet, TN

MTWA1224MC004B L1691676-07 Air

Collected by: DA | Collected date/time: 12/25/23 20:43 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197201	1	12/28/23 15:34	12/28/23 15:34	GH	Mt. Juliet, TN

MTWA1224MC003 L1691676-08 Air

Collected by: DA | Collected date/time: 12/25/23 20:27 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197201	1	12/28/23 16:03	12/28/23 16:03	GH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 01/02/24 10:49
Level II Report - Version 2: 01/02/24 13:44
Level II Report - Version 3: 01/02/24 18:28

Project Comments

ID Corrections

L1691676-01 thru -05 were processed under the incorrect method, report revised. Samples -01 through -05 are now reporting correctly.

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2197197	Carbon disulfide	L1691676-03
WG2197197	Ethanol	L1691676-01, 02, 04, 05
WG2197197	Methylene Chloride	L1691676-01, 02, 03, 04, 05
WG2197197	Pentane	L1691676-01, 02, 05
WG2197201	Ethanol	L1691676-06, 07, 08

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2197197	(LCSD) R4017724-3, L1691676-01, 02, 03, 04, 05	Butane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2197201	(LCSD) R4018306-3, L1691676-06, 07, 08	Methyl Butyl Ketone

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA1223MC002B	L1691676-01	Acetone	67-64-1	58.10	1.25	2.97	3.98	9.46		1	WG2197197
MTWA1223MC002B	L1691676-01	Acrylonitrile	107-13-1	53	5.00	10.8	5.10	11.1		1	WG2197197
MTWA1223MC002B	L1691676-01	Benzene	71-43-2	78.10	0.200	0.639	0.234	0.747		1	WG2197197
MTWA1223MC002B	L1691676-01	Butane	106-97-8	58	0.200	0.474	0.799	1.90	J4	1	WG2197197
MTWA1223MC002B	L1691676-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.493	1.02		1	WG2197197
MTWA1223MC002B	L1691676-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.217	0.747		1	WG2197197
MTWA1223MC002B	L1691676-01	Ethanol	64-17-5	46.10	2.50	4.71	9.88	18.6	B	1	WG2197197
MTWA1223MC002B	L1691676-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.231	1.30		1	WG2197197
MTWA1223MC002B	L1691676-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.429	2.12		1	WG2197197
MTWA1223MC002B	L1691676-01	Heptane	142-82-5	100	0.200	0.818	0.204	0.834		1	WG2197197
MTWA1223MC002B	L1691676-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.379	1.32	B	1	WG2197197
MTWA1223MC002B	L1691676-01	Pentane	109-66-0	72.15	0.200	0.590	0.540	1.59	B	1	WG2197197
MTWA1223MC002B	L1691676-01	2-Propanol	67-63-0	60.10	1.25	3.07	2.07	5.09		1	WG2197197
MTWA1223MC002B	L1691676-01	Toluene	108-88-3	92.10	0.500	1.88	1.51	5.69		1	WG2197197
MTWA1223MC002B	L1691676-01	m&p-Xylene	179601-23-1	106	0.400	1.73	0.471	2.04		1	WG2197197
MTWA1223MC002B	L1691676-01	o-Xylene	95-47-6	106	0.200	0.867	0.205	0.889		1	WG2197197
MTWA1223MC001B	L1691676-02	Acetone	67-64-1	58.10	1.25	2.97	3.14	7.46		1	WG2197197
MTWA1223MC001B	L1691676-02	Butane	106-97-8	58	0.200	0.474	0.979	2.32	J4	1	WG2197197
MTWA1223MC001B	L1691676-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.483	0.998		1	WG2197197
MTWA1223MC001B	L1691676-02	Cyclohexane	110-82-7	84.20	0.200	0.689	0.272	0.937		1	WG2197197
MTWA1223MC001B	L1691676-02	Ethanol	64-17-5	46.10	2.50	4.71	5.09	9.60	B	1	WG2197197
MTWA1223MC001B	L1691676-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2197197
MTWA1223MC001B	L1691676-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.424	2.10		1	WG2197197
MTWA1223MC001B	L1691676-02	Heptane	142-82-5	100	0.200	0.818	0.222	0.908		1	WG2197197
MTWA1223MC001B	L1691676-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.358	1.24	B	1	WG2197197
MTWA1223MC001B	L1691676-02	Pentane	109-66-0	72.15	0.200	0.590	0.588	1.74	B	1	WG2197197
MTWA1223MC001B	L1691676-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.00	4.92		1	WG2197197
MTWA1223MC001B	L1691676-02	Toluene	108-88-3	92.10	0.500	1.88	0.989	3.73		1	WG2197197
MTWA1223MC001B	L1691676-02	m&p-Xylene	179601-23-1	106	0.400	1.73	0.580	2.51		1	WG2197197
MTWA1223MC001B	L1691676-02	o-Xylene	95-47-6	106	0.200	0.867	0.229	0.993		1	WG2197197
MTWA1223MC004	L1691676-03	Acetone	67-64-1	58.10	1.25	2.97	5.95	14.1		1	WG2197197
MTWA1223MC004	L1691676-03	Benzene	71-43-2	78.10	0.200	0.639	0.354	1.13		1	WG2197197
MTWA1223MC004	L1691676-03	Butane	106-97-8	58	0.200	0.474	0.963	2.28	J4	1	WG2197197
MTWA1223MC004	L1691676-03	Carbon disulfide	75-15-0	76.10	0.200	0.622	0.208	0.647	B	1	WG2197197
MTWA1223MC004	L1691676-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.582	1.20		1	WG2197197
MTWA1223MC004	L1691676-03	Ethanol	64-17-5	46.10	2.50	4.71	21.0	39.6		1	WG2197197
MTWA1223MC004	L1691676-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2197197
MTWA1223MC004	L1691676-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.413	2.04		1	WG2197197
MTWA1223MC004	L1691676-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.711	2.47	B	1	WG2197197
MTWA1223MC004	L1691676-03	Pentane	109-66-0	72.15	0.200	0.590	1.60	4.72		1	WG2197197
MTWA1223MC004	L1691676-03	Toluene	108-88-3	92.10	0.500	1.88	1.54	5.80		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Acetone	67-64-1	58.10	1.25	2.97	2.62	6.23		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Benzene	71-43-2	78.10	0.200	0.639	0.316	1.01		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Butane	106-97-8	58	0.200	0.474	1.50	3.56	J4	1	WG2197197
MTWA1223MC003BCL	L1691676-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Cyclohexane	110-82-7	84.20	0.200	0.689	0.699	2.41		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Ethanol	64-17-5	46.10	2.50	4.71	7.72	14.6	B	1	WG2197197
MTWA1223MC003BCL	L1691676-04	Ethylbenzene	100-41-4	106	0.200	0.867	0.384	1.66		1	WG2197197
MTWA1223MC003BCL	L1691676-04	4-Ethyltoluene	622-96-8	120	0.200	0.982	0.379	1.86		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.410	2.03		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Heptane	142-82-5	100	0.200	0.818	0.542	2.22		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.347	1.20	B	1	WG2197197
MTWA1223MC003BCL	L1691676-04	Pentane	109-66-0	72.15	0.200	0.590	1.32	3.90		1	WG2197197
MTWA1223MC003BCL	L1691676-04	Toluene	108-88-3	92.10	0.500	1.88	2.49	9.38		1	WG2197197
MTWA1223MC003BCL	L1691676-04	1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.383	1.88		1	WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA1223MC003BCL	L1691676-04	m&p-Xylene	179601-23-1	106	0.400	1.73	1.33	5.77		1	WG2197197
MTWA1223MC003BCL	L1691676-04	o-Xylene	95-47-6	106	0.200	0.867	0.537	2.33		1	WG2197197
MTWA1224MC001	L1691676-05	Acetone	67-64-1	58.10	1.25	2.97	4.02	9.55		1	WG2197197
MTWA1224MC001	L1691676-05	Butane	106-97-8	58	0.200	0.474	0.516	1.22	J4	1	WG2197197
MTWA1224MC001	L1691676-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.513	1.06		1	WG2197197
MTWA1224MC001	L1691676-05	Ethanol	64-17-5	46.10	2.50	4.71	6.97	13.1	B	1	WG2197197
MTWA1224MC001	L1691676-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.241	1.35		1	WG2197197
MTWA1224MC001	L1691676-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.422	2.09		1	WG2197197
MTWA1224MC001	L1691676-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.581	2.02	B	1	WG2197197
MTWA1224MC001	L1691676-05	Pentane	109-66-0	72.15	0.200	0.590	0.772	2.28	B	1	WG2197197
MTWA1224MC001	L1691676-05	2-Propanol	67-63-0	60.10	1.25	3.07	1.50	3.69		1	WG2197197
MTWA1224MC002	L1691676-06	Acetone	67-64-1	58.10	1.25	2.97	5.11	12.1		1	WG2197201
MTWA1224MC002	L1691676-06	Butane	106-97-8	58	0.200	0.474	0.321	0.761		1	WG2197201
MTWA1224MC002	L1691676-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.610	1.26		1	WG2197201
MTWA1224MC002	L1691676-06	Ethanol	64-17-5	46.10	2.50	4.71	7.57	14.3	B	1	WG2197201
MTWA1224MC002	L1691676-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2197201
MTWA1224MC002	L1691676-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.467	2.31		1	WG2197201
MTWA1224MC002	L1691676-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.332	1.15		1	WG2197201
MTWA1224MC002	L1691676-06	2-Propanol	67-63-0	60.10	1.25	3.07	3.13	7.69		1	WG2197201
MTWA1224MC002	L1691676-06	Toluene	108-88-3	92.10	0.500	1.88	0.656	2.47		1	WG2197201
MTWA1224MC004B	L1691676-07	Acetone	67-64-1	58.10	1.25	2.97	5.49	13.0		1	WG2197201
MTWA1224MC004B	L1691676-07	Butane	106-97-8	58	0.200	0.474	0.495	1.17		1	WG2197201
MTWA1224MC004B	L1691676-07	Carbon disulfide	75-15-0	76.10	0.200	0.622	0.590	1.84		1	WG2197201
MTWA1224MC004B	L1691676-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.660	1.36		1	WG2197201
MTWA1224MC004B	L1691676-07	Ethanol	64-17-5	46.10	2.50	4.71	7.93	15.0	B	1	WG2197201
MTWA1224MC004B	L1691676-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.227	1.28		1	WG2197201
MTWA1224MC004B	L1691676-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.499	2.47		1	WG2197201
MTWA1224MC004B	L1691676-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.445	1.55		1	WG2197201
MTWA1224MC003	L1691676-08	Acetone	67-64-1	58.10	1.25	2.97	3.36	7.98		1	WG2197201
MTWA1224MC003	L1691676-08	Butane	106-97-8	58	0.200	0.474	0.348	0.826		1	WG2197201
MTWA1224MC003	L1691676-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.575	1.19		1	WG2197201
MTWA1224MC003	L1691676-08	Ethanol	64-17-5	46.10	2.50	4.71	4.50	8.48	B	1	WG2197201
MTWA1224MC003	L1691676-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206	1.16		1	WG2197201
MTWA1224MC003	L1691676-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG2197201
MTWA1224MC003	L1691676-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.381	1.32		1	WG2197201
MTWA1224MC003	L1691676-08	2-Propanol	67-63-0	60.10	1.25	3.07	1.66	4.08		1	WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.98	9.46		1	WG2197197
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197197
Acrylonitrile	107-13-1	53	5.00	10.8	5.10	11.1		1	WG2197197
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197197
Benzene	71-43-2	78.10	0.200	0.639	0.234	0.747		1	WG2197197
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197197
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197197
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197197
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197197
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197197
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197197
Butane	106-97-8	58	0.200	0.474	0.799	1.90	J4	1	WG2197197
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2197197
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197197
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197197
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197197
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197197
Chloromethane	74-87-3	50.50	0.200	0.413	0.493	1.02		1	WG2197197
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197197
Cyclohexane	110-82-7	84.20	0.200	0.689	0.217	0.747		1	WG2197197
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197197
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197197
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197197
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197197
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197197
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197197
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197197
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197197
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197197
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197197
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197197
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197197
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197197
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197197
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197197
Ethanol	64-17-5	46.10	2.50	4.71	9.88	18.6	B	1	WG2197197
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197197
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197197
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.231	1.30		1	WG2197197
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.429	2.12		1	WG2197197
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197197
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197197
Heptane	142-82-5	100	0.200	0.818	0.204	0.834		1	WG2197197
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197197
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197197
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197197
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.379	1.32	B	1	WG2197197
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2197197
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197197
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197197
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197197
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197197
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197197
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197197
Pentane	109-66-0	72.15	0.200	0.590	0.540	1.59	B	1	WG2197197
2-Propanol	67-63-0	60.10	1.25	3.07	2.07	5.09		1	WG2197197

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197197
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197197
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197197
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197197
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197197
Toluene	108-88-3	92.10	0.500	1.88	1.51	5.69		1	WG2197197
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197197
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197197
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197197
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197197
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197197
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197197
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197197
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197197
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197197
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197197
m&p-Xylene	179601-23-1	106	0.400	1.73	0.471	2.04		1	WG2197197
o-Xylene	95-47-6	106	0.200	0.867	0.205	0.889		1	WG2197197
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.5*				WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.14	7.46		1	WG2197197
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197197
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197197
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197197
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2197197
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197197
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197197
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197197
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197197
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197197
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197197
Butane	106-97-8	58	0.200	0.474	0.979	2.32	J4	1	WG2197197
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2197197
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197197
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197197
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197197
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197197
Chloromethane	74-87-3	50.50	0.200	0.413	0.483	0.998		1	WG2197197
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197197
Cyclohexane	110-82-7	84.20	0.200	0.689	0.272	0.937		1	WG2197197
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197197
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197197
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197197
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197197
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197197
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197197
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197197
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197197
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197197
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197197
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197197
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197197
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197197
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197197
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197197
Ethanol	64-17-5	46.10	2.50	4.71	5.09	9.60	B	1	WG2197197
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197197
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197197
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2197197
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.424	2.10		1	WG2197197
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197197
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197197
Heptane	142-82-5	100	0.200	0.818	0.222	0.908		1	WG2197197
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197197
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197197
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197197
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.358	1.24	B	1	WG2197197
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2197197
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197197
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197197
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197197
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197197
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197197
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197197
Pentane	109-66-0	72.15	0.200	0.590	0.588	1.74	B	1	WG2197197
2-Propanol	67-63-0	60.10	1.25	3.07	2.00	4.92		1	WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197197
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197197
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197197
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197197
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197197
Toluene	108-88-3	92.10	0.500	1.88	0.989	3.73		1	WG2197197
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197197
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197197
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197197
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197197
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197197
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197197
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197197
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197197
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197197
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197197
m&p-Xylene	179601-23-1	106	0.400	1.73	0.580	2.51		1	WG2197197
o-Xylene	95-47-6	106	0.200	0.867	0.229	0.993		1	WG2197197
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.6*				WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.95	14.1		1	WG2197197
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197197
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197197
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197197
Benzene	71-43-2	78.10	0.200	0.639	0.354	1.13		1	WG2197197
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197197
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197197
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197197
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197197
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197197
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197197
Butane	106-97-8	58	0.200	0.474	0.963	2.28	J4	1	WG2197197
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.208	0.647	B	1	WG2197197
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197197
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197197
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197197
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197197
Chloromethane	74-87-3	50.50	0.200	0.413	0.582	1.20		1	WG2197197
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197197
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2197197
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197197
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197197
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197197
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197197
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197197
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197197
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197197
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197197
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197197
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197197
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197197
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197197
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197197
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197197
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197197
Ethanol	64-17-5	46.10	2.50	4.71	21.0	39.6		1	WG2197197
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197197
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197197
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2197197
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.413	2.04		1	WG2197197
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197197
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197197
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2197197
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197197
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197197
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197197
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.711	2.47	B	1	WG2197197
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2197197
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197197
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197197
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197197
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197197
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197197
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197197
Pentane	109-66-0	72.15	0.200	0.590	1.60	4.72		1	WG2197197
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197197
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197197
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197197
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197197
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197197
Toluene	108-88-3	92.10	0.500	1.88	1.54	5.80		1	WG2197197
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197197
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197197
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197197
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197197
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197197
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197197
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197197
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197197
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197197
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197197
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2197197
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2197197
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.5*				WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.62	6.23		1	WG2197197
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197197
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197197
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197197
Benzene	71-43-2	78.10	0.200	0.639	0.316	1.01		1	WG2197197
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197197
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197197
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197197
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197197
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197197
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197197
Butane	106-97-8	58	0.200	0.474	1.50	3.56	J4	1	WG2197197
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2197197
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197197
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197197
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197197
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197197
Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2197197
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197197
Cyclohexane	110-82-7	84.20	0.200	0.689	0.699	2.41		1	WG2197197
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197197
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197197
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197197
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197197
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197197
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197197
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197197
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197197
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197197
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197197
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197197
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197197
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197197
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197197
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197197
Ethanol	64-17-5	46.10	2.50	4.71	7.72	14.6	B	1	WG2197197
Ethylbenzene	100-41-4	106	0.200	0.867	0.384	1.66		1	WG2197197
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.379	1.86		1	WG2197197
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2197197
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.410	2.03		1	WG2197197
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197197
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197197
Heptane	142-82-5	100	0.200	0.818	0.542	2.22		1	WG2197197
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197197
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197197
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197197
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.347	1.20	B	1	WG2197197
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2197197
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197197
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197197
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197197
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197197
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197197
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197197
Pentane	109-66-0	72.15	0.200	0.590	1.32	3.90		1	WG2197197
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197197
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197197
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197197
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197197
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197197
Toluene	108-88-3	92.10	0.500	1.88	2.49	9.38		1	WG2197197
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197197
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197197
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197197
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197197
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.383	1.88		1	WG2197197
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197197
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197197
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197197
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197197
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197197
m&p-Xylene	179601-23-1	106	0.400	1.73	1.33	5.77		1	WG2197197
o-Xylene	95-47-6	106	0.200	0.867	0.537	2.33		1	WG2197197
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.2*				WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.02	9.55		1	WG2197197
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197197
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197197
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197197
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2197197
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197197
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197197
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197197
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197197
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197197
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197197
Butane	106-97-8	58	0.200	0.474	0.516	1.22	J4	1	WG2197197
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2197197
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197197
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197197
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197197
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197197
Chloromethane	74-87-3	50.50	0.200	0.413	0.513	1.06		1	WG2197197
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197197
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2197197
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197197
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197197
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197197
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197197
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197197
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197197
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197197
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197197
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197197
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197197
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197197
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197197
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197197
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197197
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197197
Ethanol	64-17-5	46.10	2.50	4.71	6.97	13.1	B	1	WG2197197
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197197
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197197
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.241	1.35		1	WG2197197
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.422	2.09		1	WG2197197
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197197
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197197
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2197197
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197197
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197197
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197197
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.581	2.02	B	1	WG2197197
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2197197
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197197
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197197
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197197
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197197
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197197
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197197
Pentane	109-66-0	72.15	0.200	0.590	0.772	2.28	B	1	WG2197197
2-Propanol	67-63-0	60.10	1.25	3.07	1.50	3.69		1	WG2197197

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197197
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197197
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197197
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197197
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197197
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2197197
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197197
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197197
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197197
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197197
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197197
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197197
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197197
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197197
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197197
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197197
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2197197
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2197197
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.9*				WG2197197

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.11	12.1		1	WG2197201
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197201
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197201
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197201
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2197201
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197201
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197201
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197201
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197201
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197201
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197201
Butane	106-97-8	58	0.200	0.474	0.321	0.761		1	WG2197201
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2197201
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197201
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197201
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197201
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197201
Chloromethane	74-87-3	50.50	0.200	0.413	0.610	1.26		1	WG2197201
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197201
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2197201
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197201
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197201
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197201
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197201
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197201
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197201
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197201
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197201
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197201
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197201
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197201
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197201
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197201
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197201
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197201
Ethanol	64-17-5	46.10	2.50	4.71	7.57	14.3	B	1	WG2197201
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197201
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197201
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2197201
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.467	2.31		1	WG2197201
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197201
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197201
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2197201
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197201
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197201
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197201
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.332	1.15		1	WG2197201
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND	J3	1	WG2197201
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197201
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197201
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197201
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197201
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197201
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197201
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2197201
2-Propanol	67-63-0	60.10	1.25	3.07	3.13	7.69		1	WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197201
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197201
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197201
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197201
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197201
Toluene	108-88-3	92.10	0.500	1.88	0.656	2.47		1	WG2197201
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197201
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197201
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197201
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197201
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197201
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197201
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197201
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197201
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197201
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197201
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2197201
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2197201
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.6*				WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.49	13.0		1	WG2197201
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197201
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197201
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197201
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2197201
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197201
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197201
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197201
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197201
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197201
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197201
Butane	106-97-8	58	0.200	0.474	0.495	1.17		1	WG2197201
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.590	1.84		1	WG2197201
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197201
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197201
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197201
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197201
Chloromethane	74-87-3	50.50	0.200	0.413	0.660	1.36		1	WG2197201
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197201
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2197201
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197201
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197201
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197201
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197201
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197201
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197201
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197201
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197201
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197201
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197201
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197201
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197201
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197201
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197201
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197201
Ethanol	64-17-5	46.10	2.50	4.71	7.93	15.0	B	1	WG2197201
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197201
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197201
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.227	1.28		1	WG2197201
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.499	2.47		1	WG2197201
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197201
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197201
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2197201
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197201
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197201
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197201
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.445	1.55		1	WG2197201
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND	J3	1	WG2197201
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197201
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197201
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197201
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197201
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197201
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197201
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2197201
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197201
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197201
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197201
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197201
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197201
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2197201
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197201
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197201
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197201
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197201
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197201
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197201
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197201
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197201
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197201
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197201
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2197201
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2197201
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.7*				WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.36	7.98		1	WG2197201
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2197201
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2197201
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2197201
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2197201
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2197201
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2197201
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2197201
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2197201
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2197201
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2197201
Butane	106-97-8	58	0.200	0.474	0.348	0.826		1	WG2197201
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2197201
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2197201
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2197201
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2197201
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2197201
Chloromethane	74-87-3	50.50	0.200	0.413	0.575	1.19		1	WG2197201
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2197201
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2197201
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2197201
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2197201
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2197201
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2197201
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2197201
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2197201
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2197201
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2197201
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2197201
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2197201
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2197201
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2197201
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2197201
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2197201
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2197201
Ethanol	64-17-5	46.10	2.50	4.71	4.50	8.48	B	1	WG2197201
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2197201
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2197201
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206	1.16		1	WG2197201
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG2197201
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2197201
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2197201
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2197201
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2197201
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2197201
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2197201
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.381	1.32		1	WG2197201
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND	J3	1	WG2197201
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2197201
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2197201
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2197201
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2197201
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2197201
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2197201
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2197201
2-Propanol	67-63-0	60.10	1.25	3.07	1.66	4.08		1	WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2197201
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2197201
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2197201
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2197201
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2197201
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2197201
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2197201
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2197201
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2197201
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2197201
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2197201
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2197201
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2197201
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2197201
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2197201
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2197201
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2197201
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2197201
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.7*				WG2197201

Method Blank (MB)

(MB) R4017724-2 12/28/23 10:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	0.145	J	0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	1.37	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4017724-2 12/28/23 10:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	0.136	J	0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	0.0507	J	0.0363	0.200
Pentane	0.122	J	0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*94.4*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4017724-1 12/28/23 09:47 • (LCSD) R4017724-3 12/28/23 11:14

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.82	3.89	102	104	70.0-130			1.82	25
Acetonitrile	18.8	21.4	21.5	114	114	70.0-130			0.466	25
Acrylonitrile	3.75	4.09	4.14	109	110	70.0-130			1.22	25
Allyl chloride	3.75	3.97	3.99	106	106	70.0-130			0.503	25
Benzene	3.75	3.89	4.00	104	107	70.0-130			2.79	25
Benzyl Chloride	3.75	4.02	3.89	107	104	70.0-152			3.29	25
Bromodichloromethane	3.75	3.95	4.02	105	107	70.0-130			1.76	25
Bromoform	3.75	3.81	3.79	102	101	70.0-130			0.526	25
Bromomethane	3.75	4.07	4.18	109	111	70.0-130			2.67	25
Bromoethane	3.75	3.96	3.98	106	106	70.0-130			0.504	25
1,3-Butadiene	3.75	4.64	4.84	124	129	70.0-130			4.22	25
Butane	3.75	4.62	4.93	123	131	70.0-130		J4	6.49	25
Carbon disulfide	3.75	3.69	3.72	98.4	99.2	70.0-130			0.810	25
Carbon tetrachloride	3.75	3.70	3.84	98.7	102	70.0-130			3.71	25
Chlorobenzene	3.75	3.87	3.88	103	103	70.0-130			0.258	25
Chloroethane	3.75	4.45	4.59	119	122	70.0-130			3.10	25
Chloroform	3.75	3.90	3.86	104	103	70.0-130			1.03	25
Chloromethane	3.75	3.64	3.74	97.1	99.7	70.0-130			2.71	25
2-Chlorotoluene	3.75	3.99	3.83	106	102	70.0-130			4.09	25
Cyclohexane	3.75	3.83	3.76	102	100	70.0-130			1.84	25
n-Decane	3.75	4.13	3.92	110	105	70.0-130			5.22	25
Dibromochloromethane	3.75	3.82	3.91	102	104	70.0-130			2.33	25
1,2-Dibromoethane	3.75	3.86	4.01	103	107	70.0-130			3.81	25
1,2-Dichlorobenzene	3.75	4.06	3.90	108	104	70.0-130			4.02	25
1,3-Dichlorobenzene	3.75	3.98	3.86	106	103	70.0-130			3.06	25
1,4-Dichlorobenzene	3.75	4.15	3.95	111	105	70.0-130			4.94	25
1,2-Dichloroethane	3.75	3.84	3.97	102	106	70.0-130			3.33	25
1,1-Dichloroethane	3.75	4.10	4.16	109	111	70.0-130			1.45	25
1,1-Dichloroethene	3.75	4.09	4.24	109	113	70.0-130			3.60	25
cis-1,2-Dichloroethene	3.75	4.07	4.06	109	108	70.0-130			0.246	25
trans-1,2-Dichloroethene	3.75	3.93	4.08	105	109	70.0-130			3.75	25
1,2-Dichloropropane	3.75	4.01	4.05	107	108	70.0-130			0.993	25
cis-1,3-Dichloropropene	3.75	3.84	3.90	102	104	70.0-130			1.55	25
trans-1,3-Dichloropropene	3.75	3.77	3.77	101	101	70.0-130			0.000	25
1,4-Dioxane	3.75	3.73	3.78	99.5	101	70.0-140			1.33	25
Ethanol	3.75	4.12	4.29	110	114	55.0-148			4.04	25
Ethylbenzene	3.75	3.83	3.79	102	101	70.0-130			1.05	25
4-Ethyltoluene	3.75	3.96	3.80	106	101	70.0-130			4.12	25
Trichlorofluoromethane	3.75	4.01	4.17	107	111	70.0-130			3.91	25
Dichlorodifluoromethane	3.75	3.86	3.93	103	105	64.0-139			1.80	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4017724-1 12/28/23 09:47 • (LCSD) R4017724-3 12/28/23 11:14

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	2.99	94.1	79.7	70.0-130			16.6	25
1,2-Dichlorotetrafluoroethane	3.75	3.70	3.79	98.7	101	70.0-130			2.40	25
Heptane	3.75	3.83	3.90	102	104	70.0-130			1.81	25
Hexachloro-1,3-butadiene	3.75	4.03	4.05	107	108	70.0-151			0.495	25
n-Hexane	3.75	4.03	4.10	107	109	70.0-130			1.72	25
Isopropylbenzene	3.75	3.88	3.62	103	96.5	70.0-130			6.93	25
Methylene Chloride	3.75	3.95	4.05	105	108	70.0-130			2.50	25
Methyl Butyl Ketone	3.75	3.71	3.71	98.9	98.9	70.0-149			0.000	25
2-Butanone (MEK)	3.75	4.00	4.15	107	111	70.0-130			3.68	25
4-Methyl-2-pentanone (MIBK)	3.75	3.85	3.76	103	100	70.0-139			2.37	25
Methyl methacrylate	3.75	3.91	3.95	104	105	70.0-130			1.02	25
MTBE	3.75	3.79	3.90	101	104	70.0-130			2.86	25
Naphthalene	3.75	4.04	3.94	108	105	70.0-159			2.51	25
Nonane	3.75	3.68	3.77	98.1	101	70.0-130			2.42	25
Pentane	3.75	4.42	4.59	118	122	70.0-130			3.77	25
2-Propanol	3.75	3.79	3.82	101	102	70.0-139			0.788	25
Propene	3.75	3.57	3.60	95.2	96.0	64.0-144			0.837	25
Styrene	3.75	3.96	3.86	106	103	70.0-130			2.56	25
1,1,2,2-Tetrachloroethane	3.75	4.04	3.88	108	103	70.0-130			4.04	25
Tetrachloroethylene	3.75	3.87	3.84	103	102	70.0-130			0.778	25
Tetrahydrofuran	3.75	4.03	3.87	107	103	70.0-137			4.05	25
Toluene	3.75	3.73	3.77	99.5	101	70.0-130			1.07	25
1,2,4-Trichlorobenzene	3.75	4.04	3.87	108	103	70.0-160			4.30	25
1,1,1-Trichloroethane	3.75	3.79	3.80	101	101	70.0-130			0.264	25
1,1,2-Trichloroethane	3.75	3.90	3.95	104	105	70.0-130			1.27	25
Trichloroethylene	3.75	3.89	3.95	104	105	70.0-130			1.53	25
1,2,4-Trimethylbenzene	3.75	3.94	3.78	105	101	70.0-130			4.15	25
1,3,5-Trimethylbenzene	3.75	3.98	3.85	106	103	70.0-130			3.32	25
2,2,4-Trimethylpentane	3.75	3.77	3.78	101	101	70.0-130			0.265	25
Vinyl chloride	3.75	4.62	4.87	123	130	70.0-130			5.27	25
Vinyl Bromide	3.75	4.12	4.28	110	114	70.0-130			3.81	25
Vinyl acetate	3.75	3.89	4.00	104	107	70.0-130			2.79	25
m&p-Xylene	7.50	7.51	7.52	100	100	70.0-130			0.133	25
o-Xylene	3.75	3.85	3.74	103	99.7	70.0-130			2.90	25
(S) 1,4-Bromofluorobenzene				*98.9*	*96.2*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4018306-2 12/28/23 09:47

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.939	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4018306-2 12/28/23 09:47

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*102*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018306-1 12/28/23 08:50 • (LCSD) R4018306-3 12/28/23 10:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.97	3.93	106	105	70.0-130			1.01	25
Acetonitrile	18.8	21.8	21.9	116	116	70.0-130			0.458	25
Acrylonitrile	3.75	4.24	4.25	113	113	70.0-130			0.236	25
Allyl chloride	3.75	4.04	3.92	108	105	70.0-130			3.02	25
Benzene	3.75	3.60	3.53	96.0	94.1	70.0-130			1.96	25
Benzyl Chloride	3.75	3.80	3.83	101	102	70.0-152			0.786	25
Bromodichloromethane	3.75	3.67	3.63	97.9	96.8	70.0-130			1.10	25
Bromoform	3.75	3.73	3.70	99.5	98.7	70.0-130			0.808	25
Bromomethane	3.75	3.77	3.70	101	98.7	70.0-130			1.87	25
Bromoethane	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
1,3-Butadiene	3.75	4.13	4.11	110	110	70.0-130			0.485	25
Butane	3.75	4.17	4.15	111	111	70.0-130			0.481	25
Carbon disulfide	3.75	3.80	3.69	101	98.4	70.0-130			2.94	25
Carbon tetrachloride	3.75	3.59	3.52	95.7	93.9	70.0-130			1.97	25
Chlorobenzene	3.75	3.55	3.51	94.7	93.6	70.0-130			1.13	25
Chloroethane	3.75	3.94	3.89	105	104	70.0-130			1.28	25
Chloroform	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
Chloromethane	3.75	4.23	4.23	113	113	70.0-130			0.000	25
2-Chlorotoluene	3.75	3.56	3.58	94.9	95.5	70.0-130			0.560	25
Cyclohexane	3.75	3.54	3.46	94.4	92.3	70.0-130			2.29	25
n-Decane	3.75	4.47	4.49	119	120	70.0-130			0.446	25
Dibromochloromethane	3.75	3.64	3.61	97.1	96.3	70.0-130			0.828	25
1,2-Dibromoethane	3.75	3.55	3.53	94.7	94.1	70.0-130			0.565	25
1,2-Dichlorobenzene	3.75	3.49	3.61	93.1	96.3	70.0-130			3.38	25
1,3-Dichlorobenzene	3.75	3.62	3.63	96.5	96.8	70.0-130			0.276	25
1,4-Dichlorobenzene	3.75	3.52	3.63	93.9	96.8	70.0-130			3.08	25
1,2-Dichloroethane	3.75	3.86	3.84	103	102	70.0-130			0.519	25
1,1-Dichloroethane	3.75	3.65	3.75	97.3	100	70.0-130			2.70	25
1,1-Dichloroethene	3.75	3.95	3.95	105	105	70.0-130			0.000	25
cis-1,2-Dichloroethene	3.75	3.72	3.77	99.2	101	70.0-130			1.34	25
trans-1,2-Dichloroethene	3.75	4.06	3.90	108	104	70.0-130			4.02	25
1,2-Dichloropropane	3.75	3.81	3.75	102	100	70.0-130			1.59	25
cis-1,3-Dichloropropene	3.75	3.37	3.31	89.9	88.3	70.0-130			1.80	25
trans-1,3-Dichloropropene	3.75	3.61	3.56	96.3	94.9	70.0-130			1.39	25
1,4-Dioxane	3.75	3.60	3.48	96.0	92.8	70.0-140			3.39	25
Ethanol	3.75	4.57	4.51	122	120	55.0-148			1.32	25
Ethylbenzene	3.75	3.58	3.54	95.5	94.4	70.0-130			1.12	25
4-Ethyltoluene	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
Trichlorofluoromethane	3.75	3.72	3.72	99.2	99.2	70.0-130			0.000	25
Dichlorodifluoromethane	3.75	3.83	3.72	102	99.2	64.0-139			2.91	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018306-1 12/28/23 08:50 • (LCSD) R4018306-3 12/28/23 10:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.70	3.61	98.7	96.3	70.0-130			2.46	25
1,2-Dichlorotetrafluoroethane	3.75	3.78	3.79	101	101	70.0-130			0.264	25
Heptane	3.75	4.09	4.06	109	108	70.0-130			0.736	25
Hexachloro-1,3-butadiene	3.75	3.26	3.22	86.9	85.9	70.0-151			1.23	25
n-Hexane	3.75	3.87	3.85	103	103	70.0-130			0.518	25
Isopropylbenzene	3.75	3.66	3.66	97.6	97.6	70.0-130			0.000	25
Methylene Chloride	3.75	4.13	4.07	110	109	70.0-130			1.46	25
Methyl Butyl Ketone	3.75	4.32	2.87	115	76.5	70.0-149		J3	40.3	25
2-Butanone (MEK)	3.75	3.59	3.54	95.7	94.4	70.0-130			1.40	25
4-Methyl-2-pentanone (MIBK)	3.75	4.16	4.15	111	111	70.0-139			0.241	25
Methyl methacrylate	3.75	3.65	3.64	97.3	97.1	70.0-130			0.274	25
MTBE	3.75	3.60	3.51	96.0	93.6	70.0-130			2.53	25
Naphthalene	3.75	3.47	3.47	92.5	92.5	70.0-159			0.000	25
Nonane	3.75	4.15	4.11	111	110	70.0-130			0.969	25
Pentane	3.75	4.18	4.16	111	111	70.0-130			0.480	25
2-Propanol	3.75	4.07	4.16	109	111	70.0-139			2.19	25
Propene	3.75	3.90	3.84	104	102	64.0-144			1.55	25
Styrene	3.75	3.66	3.72	97.6	99.2	70.0-130			1.63	25
1,1,2,2-Tetrachloroethane	3.75	3.84	3.79	102	101	70.0-130			1.31	25
Tetrachloroethylene	3.75	3.49	3.39	93.1	90.4	70.0-130			2.91	25
Tetrahydrofuran	3.75	3.96	3.88	106	103	70.0-137			2.04	25
Toluene	3.75	3.49	3.42	93.1	91.2	70.0-130			2.03	25
1,2,4-Trichlorobenzene	3.75	3.21	3.26	85.6	86.9	70.0-160			1.55	25
1,1,1-Trichloroethane	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
1,1,2-Trichloroethane	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
Trichloroethylene	3.75	3.57	3.51	95.2	93.6	70.0-130			1.69	25
1,2,4-Trimethylbenzene	3.75	3.70	3.76	98.7	100	70.0-130			1.61	25
1,3,5-Trimethylbenzene	3.75	3.60	3.67	96.0	97.9	70.0-130			1.93	25
2,2,4-Trimethylpentane	3.75	4.01	3.99	107	106	70.0-130			0.500	25
Vinyl chloride	3.75	4.00	3.97	107	106	70.0-130			0.753	25
Vinyl Bromide	3.75	3.81	3.73	102	99.5	70.0-130			2.12	25
Vinyl acetate	3.75	3.82	4.05	102	108	70.0-130			5.84	25
m&p-Xylene	7.50	7.42	7.38	98.9	98.4	70.0-130			0.541	25
o-Xylene	3.75	3.82	3.75	102	100	70.0-130			1.85	25
(S) 1,4-Bromofluorobenzene				*104*	*105*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N	AMB	
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N	7885 4263 0842	

YSIS REQUEST FORM

J179

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LL911676

Send Report to	Anay Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1223MCØØ2B	Ø28ØØ9	Ø23549	12/23/23	2334	12/24/23	2135	-26	-4	DA	✓				A -01
MTWA1223MCØØ1B	Ø294Ø6	Ø15572	12/23/23	2317	12/24/23	2157	-26	-5	DA	✓				A -02
MTWA1223MCØØ4	Ø11566	Ø29282	12/23/23	Ø356	12/24/23	ØØ16	-26	-5	DA	✓				A -03
MTWA1223MCØØ3BCL	Ø11Ø55	Ø286Ø4	12/23/23	2358	12/24/23	2218	-26	-5	DA	✓				A -04
MTWA1224MCØØ1	Ø21181	ØØ4926	12/24/23	22Ø2	12/25/23	2ØØ7	-28	-3	DA	✓				A -05
MTWA1224MCØØ2	Ø1Ø495	Ø28286	12/24/23	2136	12/25/23	1947	-28	-3	DA	✓				A -06
MTWA1224MCØØ4B	Ø21526	Ø21229	12/24/23	225Ø	12/25/23	2Ø43	-28	-4	DA	✓				A -07
MTWA1224MCØØ3	Ø1561Ø	ØØ9937	12/24/23	223Ø	12/25/23	2Ø27	-29	-3	DA	✓				A -08

MG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Grace Gilmore	12/26/23 1545		12/28 0900	

SDG # _____

ANALYTICAL REPORT

March 19, 2024

Revised Report

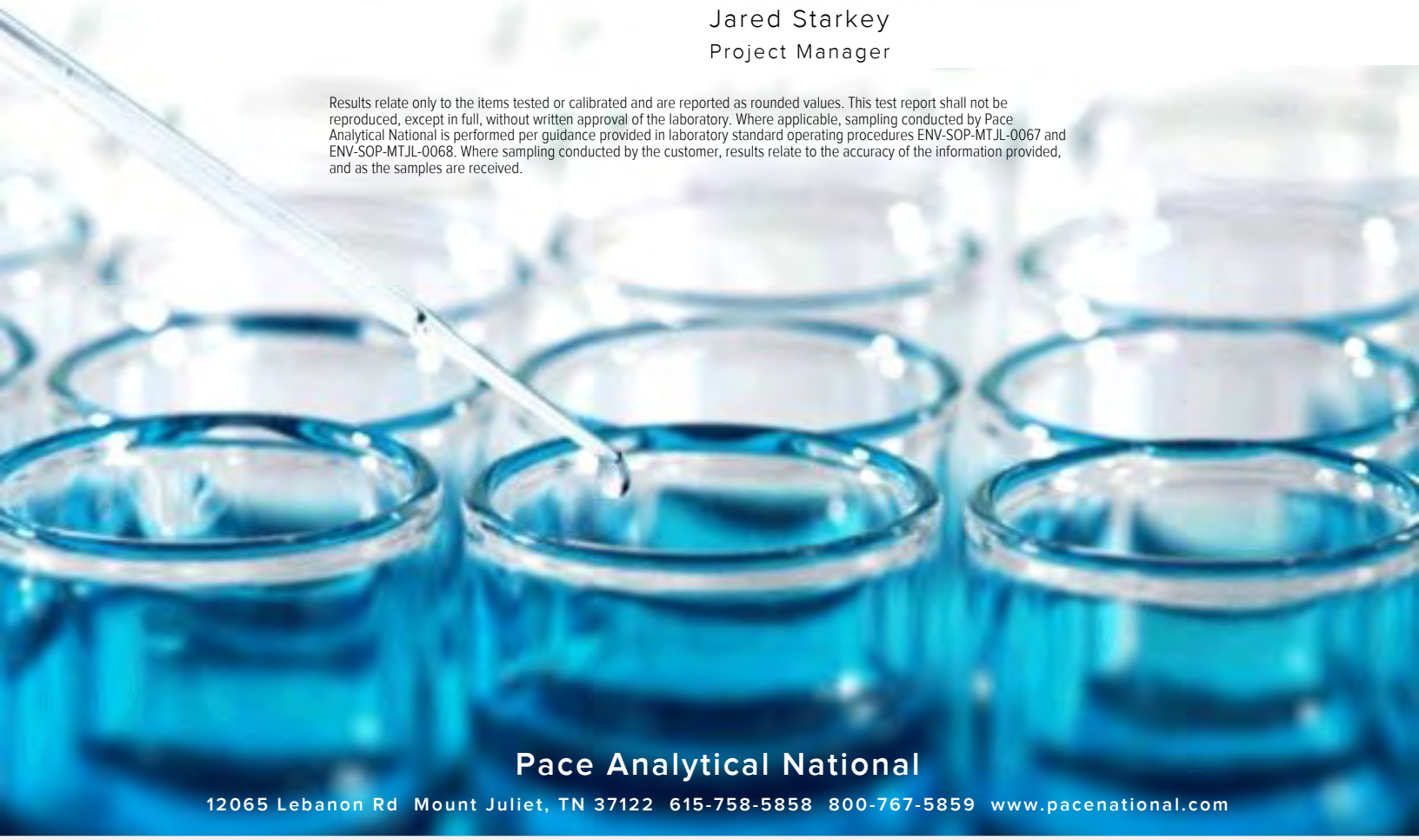
CTEH - ER

Sample Delivery Group:	L1691678
Samples Received:	12/28/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1223MC002 L1691678-01 Air

Collected by: DA | Collected date/time: 12/23/23 23:30 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197201	1	12/28/23 16:31	12/28/23 16:31	GH	Mt. Juliet, TN

MTWA1223MC003B L1691678-02 Air

Collected by: DA | Collected date/time: 12/24/23 22:24 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197201	1	12/28/23 17:00	12/28/23 17:00	GH	Mt. Juliet, TN

MTWA1223MC001 L1691678-03 Air

Collected by: DA | Collected date/time: 12/23/23 23:05 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197218	1	12/28/23 12:03	12/28/23 12:03	MNP	Mt. Juliet, TN

MTWA1224MC004 L1691678-04 Air

Collected by: DA | Collected date/time: 12/24/23 22:46 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197218	1	12/28/23 12:42	12/28/23 12:42	MNP	Mt. Juliet, TN

MTWA1223MC003 L1691678-05 Air

Collected by: DA | Collected date/time: 12/23/23 23:45 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197218	1	12/28/23 13:21	12/28/23 13:21	MNP	Mt. Juliet, TN

MTWA1223MC001D L1691678-06 Air

Collected by: DA | Collected date/time: 12/23/23 23:05 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197218	1	12/28/23 14:00	12/28/23 14:00	MNP	Mt. Juliet, TN

MTWA1221MC001 L1691678-07 Air

Collected by: DA | Collected date/time: 12/22/23 09:25 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197218	1	12/28/23 14:39	12/28/23 14:39	MNP	Mt. Juliet, TN

MTWA1221MC003 L1691678-08 Air

Collected by: DA | Collected date/time: 12/22/23 07:40 | Received date/time: 12/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2197218	1	12/28/23 15:18	12/28/23 15:18	MNP	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 01/02/24 10:49
Level II Report - Version 2: 01/02/24 13:44

Project Comments

ID Corrections
MDL reporting

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2197218	L1691678-07	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2197201	Ethanol	L1691678-01, 02
WG2197218	2-Propanol	L1691678-03, 04, 05, 06, 08

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2197218	(LCS) R4018286-1, L1691678-03, 04, 05, 06, 07, 08	n-Decane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2197201	(LCSD) R4018306-3, L1691678-01, 02	Methyl Butyl Ketone

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1223MC002	L1691678-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.54	10.8		1	WG2197201
MTWA1223MC002	L1691678-01	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.99	4.31	J	1	WG2197201
MTWA1223MC002	L1691678-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.296	0.946		1	WG2197201
MTWA1223MC002	L1691678-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.722	1.71		1	WG2197201
MTWA1223MC002	L1691678-01	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.243	0.837		1	WG2197201
MTWA1223MC002	L1691678-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.41	14.0	B	1	WG2197201
MTWA1223MC002	L1691678-01	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.117	0.507	J	1	WG2197201
MTWA1223MC002	L1691678-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.218	1.23		1	WG2197201
MTWA1223MC002	L1691678-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.470	2.32		1	WG2197201
MTWA1223MC002	L1691678-01	Heptane	142-82-5	100	0.104	0.200	0.818	0.252	1.03		1	WG2197201
MTWA1223MC002	L1691678-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.328	1.16	J	1	WG2197201
MTWA1223MC002	L1691678-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.360	1.25		1	WG2197201
MTWA1223MC002	L1691678-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.194	0.572	J	1	WG2197201
MTWA1223MC002	L1691678-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.552	1.63		1	WG2197201
MTWA1223MC002	L1691678-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.14	2.80	J	1	WG2197201
MTWA1223MC002	L1691678-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.59	5.99		1	WG2197201
MTWA1223MC002	L1691678-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.384	1.66	J	1	WG2197201
MTWA1223MC002	L1691678-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.172	0.746	J	1	WG2197201
MTWA1223MC003B	L1691678-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.28	7.79		1	WG2197201
MTWA1223MC003B	L1691678-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.231	0.738		1	WG2197201
MTWA1223MC003B	L1691678-02	Butane	106-97-8	58	0.0522	0.200	0.474	1.43	3.39		1	WG2197201
MTWA1223MC003B	L1691678-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.544	1.12		1	WG2197201
MTWA1223MC003B	L1691678-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.598	2.06		1	WG2197201
MTWA1223MC003B	L1691678-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.92	11.2	B	1	WG2197201
MTWA1223MC003B	L1691678-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.334	1.45		1	WG2197201
MTWA1223MC003B	L1691678-02	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0985	0.483	J	1	WG2197201
MTWA1223MC003B	L1691678-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2197201
MTWA1223MC003B	L1691678-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.442	2.19		1	WG2197201
MTWA1223MC003B	L1691678-02	Heptane	142-82-5	100	0.104	0.200	0.818	0.648	2.65		1	WG2197201
MTWA1223MC003B	L1691678-02	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.548	1.93	J	1	WG2197201
MTWA1223MC003B	L1691678-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.402	1.40		1	WG2197201
MTWA1223MC003B	L1691678-02	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0945	0.496	J	1	WG2197201
MTWA1223MC003B	L1691678-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.57	4.63		1	WG2197201
MTWA1223MC003B	L1691678-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.25	3.07	J	1	WG2197201
MTWA1223MC003B	L1691678-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.13	8.02		1	WG2197201
MTWA1223MC003B	L1691678-02	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.293	1.44		1	WG2197201
MTWA1223MC003B	L1691678-02	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0857	0.421	J	1	WG2197201
MTWA1223MC003B	L1691678-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.10	4.77		1	WG2197201
MTWA1223MC003B	L1691678-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.446	1.93		1	WG2197201
MTWA1223MC001	L1691678-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.07	4.92		1	WG2197218
MTWA1223MC001	L1691678-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.361	1.15		1	WG2197218
MTWA1223MC001	L1691678-03	Butane	106-97-8	58	0.0522	0.200	0.474	1.26	2.99		1	WG2197218
MTWA1223MC001	L1691678-03	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.130	0.405	J	1	WG2197218
MTWA1223MC001	L1691678-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0752	0.474	J	1	WG2197218
MTWA1223MC001	L1691678-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.676	1.40		1	WG2197218
MTWA1223MC001	L1691678-03	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.767	2.64		1	WG2197218
MTWA1223MC001	L1691678-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.7	20.2		1	WG2197218
MTWA1223MC001	L1691678-03	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.443	1.92		1	WG2197218
MTWA1223MC001	L1691678-03	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.101	0.496	J	1	WG2197218
MTWA1223MC001	L1691678-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.243	1.37		1	WG2197218
MTWA1223MC001	L1691678-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2197218
MTWA1223MC001	L1691678-03	Heptane	142-82-5	100	0.104	0.200	0.818	0.795	3.25		1	WG2197218
MTWA1223MC001	L1691678-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.623	2.20	J	1	WG2197218
MTWA1223MC001	L1691678-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.373	1.30		1	WG2197218
MTWA1223MC001	L1691678-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.262	0.773	J	1	WG2197218
MTWA1223MC001	L1691678-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.935	2.76		1	WG2197218

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1223MC001	L1691678-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.839	2.06	B J	1	WG2197218
MTWA1223MC001	L1691678-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.41	12.8		1	WG2197218
MTWA1223MC001	L1691678-03	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.312	1.53		1	WG2197218
MTWA1223MC001	L1691678-03	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0949	0.466	J	1	WG2197218
MTWA1223MC001	L1691678-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.138	0.645	J	1	WG2197218
MTWA1223MC001	L1691678-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.51	6.55		1	WG2197218
MTWA1223MC001	L1691678-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.583	2.53		1	WG2197218
MTWA1224MC004	L1691678-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.55	8.44		1	WG2197218
MTWA1224MC004	L1691678-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.278	0.888		1	WG2197218
MTWA1224MC004	L1691678-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.885	2.10		1	WG2197218
MTWA1224MC004	L1691678-04	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.135	0.420	J	1	WG2197218
MTWA1224MC004	L1691678-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0805	0.507	J	1	WG2197218
MTWA1224MC004	L1691678-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.575	1.19		1	WG2197218
MTWA1224MC004	L1691678-04	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.308	1.06		1	WG2197218
MTWA1224MC004	L1691678-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.14	11.6		1	WG2197218
MTWA1224MC004	L1691678-04	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.193	0.837	J	1	WG2197218
MTWA1224MC004	L1691678-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2197218
MTWA1224MC004	L1691678-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.507	2.51		1	WG2197218
MTWA1224MC004	L1691678-04	Heptane	142-82-5	100	0.104	0.200	0.818	0.307	1.26		1	WG2197218
MTWA1224MC004	L1691678-04	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.321	1.13	J	1	WG2197218
MTWA1224MC004	L1691678-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.420	1.46		1	WG2197218
MTWA1224MC004	L1691678-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.217	0.640	J	1	WG2197218
MTWA1224MC004	L1691678-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.461	1.36		1	WG2197218
MTWA1224MC004	L1691678-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.68	6.59	B	1	WG2197218
MTWA1224MC004	L1691678-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.09	4.11		1	WG2197218
MTWA1224MC004	L1691678-04	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.200	0.982	J	1	WG2197218
MTWA1224MC004	L1691678-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.679	2.94		1	WG2197218
MTWA1224MC004	L1691678-04	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.270	1.17		1	WG2197218
MTWA1223MC003	L1691678-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.68	11.1		1	WG2197218
MTWA1223MC003	L1691678-05	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.21	4.79	J	1	WG2197218
MTWA1223MC003	L1691678-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.416	1.33		1	WG2197218
MTWA1223MC003	L1691678-05	Butane	106-97-8	58	0.0522	0.200	0.474	1.47	3.49		1	WG2197218
MTWA1223MC003	L1691678-05	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.107	0.333	J	1	WG2197218
MTWA1223MC003	L1691678-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0763	0.481	J	1	WG2197218
MTWA1223MC003	L1691678-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.558	1.15		1	WG2197218
MTWA1223MC003	L1691678-05	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.05	3.62		1	WG2197218
MTWA1223MC003	L1691678-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.4	29.0		1	WG2197218
MTWA1223MC003	L1691678-05	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.613	2.66		1	WG2197218
MTWA1223MC003	L1691678-05	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.141	0.692	J	1	WG2197218
MTWA1223MC003	L1691678-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2197218
MTWA1223MC003	L1691678-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.538	2.66		1	WG2197218
MTWA1223MC003	L1691678-05	Heptane	142-82-5	100	0.104	0.200	0.818	1.01	4.13		1	WG2197218
MTWA1223MC003	L1691678-05	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.798	2.81		1	WG2197218
MTWA1223MC003	L1691678-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.340	1.18		1	WG2197218
MTWA1223MC003	L1691678-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.544	1.60	J	1	WG2197218
MTWA1223MC003	L1691678-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.21	3.57		1	WG2197218
MTWA1223MC003	L1691678-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.848	2.08	B J	1	WG2197218
MTWA1223MC003	L1691678-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.02	18.9		1	WG2197218
MTWA1223MC003	L1691678-05	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.461	2.26		1	WG2197218
MTWA1223MC003	L1691678-05	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.144	0.707	J	1	WG2197218
MTWA1223MC003	L1691678-05	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.150	0.701	J	1	WG2197218
MTWA1223MC003	L1691678-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.16	9.36		1	WG2197218
MTWA1223MC003	L1691678-05	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.832	3.61		1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1223MC001D	L1691678-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.15	9.86		1	WG2197218
MTWA1223MC001D	L1691678-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.412	1.32		1	WG2197218
MTWA1223MC001D	L1691678-06	Butane	106-97-8	58	0.0522	0.200	0.474	1.16	2.75		1	WG2197218
MTWA1223MC001D	L1691678-06	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.115	0.358	J	1	WG2197218
MTWA1223MC001D	L1691678-06	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0748	0.471	J	1	WG2197218
MTWA1223MC001D	L1691678-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.596	1.23		1	WG2197218
MTWA1223MC001D	L1691678-06	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.772	2.66		1	WG2197218
MTWA1223MC001D	L1691678-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.9	20.6		1	WG2197218
MTWA1223MC001D	L1691678-06	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.448	1.94		1	WG2197218
MTWA1223MC001D	L1691678-06	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0792	0.389	J	1	WG2197218
MTWA1223MC001D	L1691678-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2197218
MTWA1223MC001D	L1691678-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.525	2.60		1	WG2197218
MTWA1223MC001D	L1691678-06	Heptane	142-82-5	100	0.104	0.200	0.818	0.774	3.17		1	WG2197218
MTWA1223MC001D	L1691678-06	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.611	2.15	J	1	WG2197218
MTWA1223MC001D	L1691678-06	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.155	0.762	J	1	WG2197218
MTWA1223MC001D	L1691678-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.385	1.34		1	WG2197218
MTWA1223MC001D	L1691678-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.501	1.48	J	1	WG2197218
MTWA1223MC001D	L1691678-06	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.249	1.02	J	1	WG2197218
MTWA1223MC001D	L1691678-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.16	3.42		1	WG2197218
MTWA1223MC001D	L1691678-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.892	2.19	B J	1	WG2197218
MTWA1223MC001D	L1691678-06	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.307	1.51		1	WG2197218
MTWA1223MC001D	L1691678-06	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0898	0.441	J	1	WG2197218
MTWA1223MC001D	L1691678-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.61	6.98		1	WG2197218
MTWA1223MC001D	L1691678-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.608	2.64		1	WG2197218
MTWA1221MC001	L1691678-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	9.11	21.6		1	WG2197218
MTWA1221MC001	L1691678-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.302	0.965		1	WG2197218
MTWA1221MC001	L1691678-07	Butane	106-97-8	58	0.0522	0.200	0.474	2.38	5.65		1	WG2197218
MTWA1221MC001	L1691678-07	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.130	0.405	J	1	WG2197218
MTWA1221MC001	L1691678-07	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0788	0.496	J	1	WG2197218
MTWA1221MC001	L1691678-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.764	1.58		1	WG2197218
MTWA1221MC001	L1691678-07	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.203	0.699		1	WG2197218
MTWA1221MC001	L1691678-07	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.139	0.809	J J4	1	WG2197218
MTWA1221MC001	L1691678-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	118	222	E	1	WG2197218
MTWA1221MC001	L1691678-07	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.129	0.559	J	1	WG2197218
MTWA1221MC001	L1691678-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.249	1.40		1	WG2197218
MTWA1221MC001	L1691678-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.536	2.65		1	WG2197218
MTWA1221MC001	L1691678-07	Heptane	142-82-5	100	0.104	0.200	0.818	0.186	0.761	J	1	WG2197218
MTWA1221MC001	L1691678-07	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.38	4.87		1	WG2197218
MTWA1221MC001	L1691678-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	22.0	76.4		1	WG2197218
MTWA1221MC001	L1691678-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.517	1.52	J	1	WG2197218
MTWA1221MC001	L1691678-07	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.207	0.847	J	1	WG2197218
MTWA1221MC001	L1691678-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	19.0	56.1		1	WG2197218
MTWA1221MC001	L1691678-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	6.83	16.8		1	WG2197218
MTWA1221MC001	L1691678-07	Styrene	100-42-5	104	0.0788	0.200	0.851	0.103	0.438	J	1	WG2197218
MTWA1221MC001	L1691678-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.19	12.0		1	WG2197218
MTWA1221MC001	L1691678-07	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0995	0.488	J	1	WG2197218
MTWA1221MC001	L1691678-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.392	1.70	J	1	WG2197218
MTWA1221MC001	L1691678-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.157	0.681	J	1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1221MC003	L1691678-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.20	7.60		1	WG2197218
MTWA1221MC003	L1691678-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.330	1.05		1	WG2197218
MTWA1221MC003	L1691678-08	Butane	106-97-8	58	0.0522	0.200	0.474	1.30	3.08		1	WG2197218
MTWA1221MC003	L1691678-08	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.122	0.380	J	1	WG2197218
MTWA1221MC003	L1691678-08	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0780	0.491	J	1	WG2197218
MTWA1221MC003	L1691678-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.593	1.22		1	WG2197218
MTWA1221MC003	L1691678-08	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.481	1.66		1	WG2197218
MTWA1221MC003	L1691678-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.08	13.3		1	WG2197218
MTWA1221MC003	L1691678-08	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.309	1.34		1	WG2197218
MTWA1221MC003	L1691678-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2197218
MTWA1221MC003	L1691678-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.532	2.63		1	WG2197218
MTWA1221MC003	L1691678-08	Heptane	142-82-5	100	0.104	0.200	0.818	0.494	2.02		1	WG2197218
MTWA1221MC003	L1691678-08	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.451	1.59	J	1	WG2197218
MTWA1221MC003	L1691678-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.458	1.59		1	WG2197218
MTWA1221MC003	L1691678-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.420	1.24	J	1	WG2197218
MTWA1221MC003	L1691678-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.712	2.10		1	WG2197218
MTWA1221MC003	L1691678-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.883	2.17	B J	1	WG2197218
MTWA1221MC003	L1691678-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.49	9.38		1	WG2197218
MTWA1221MC003	L1691678-08	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.267	1.31		1	WG2197218
MTWA1221MC003	L1691678-08	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0812	0.399	J	1	WG2197218
MTWA1221MC003	L1691678-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.07	4.64		1	WG2197218
MTWA1221MC003	L1691678-08	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.423	1.83		1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.54	10.8		1	WG2197201
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197201
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.99	4.31	J	1	WG2197201
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197201
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.296	0.946		1	WG2197201
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197201
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197201
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197201
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197201
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197201
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197201
Butane	106-97-8	58	0.0522	0.200	0.474	0.722	1.71		1	WG2197201
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197201
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197201
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197201
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197201
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197201
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	U	U		1	WG2197201
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197201
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.243	0.837		1	WG2197201
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197201
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197201
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197201
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197201
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197201
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197201
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197201
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197201
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197201
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197201
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197201
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197201
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197201
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197201
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197201
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.41	14.0	B	1	WG2197201
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.117	0.507	J	1	WG2197201
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197201
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.218	1.23		1	WG2197201
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.470	2.32		1	WG2197201
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197201
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197201
Heptane	142-82-5	100	0.104	0.200	0.818	0.252	1.03		1	WG2197201
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197201
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.328	1.16	J	1	WG2197201
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197201
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.360	1.25		1	WG2197201
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U	J3	1	WG2197201
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.194	0.572	J	1	WG2197201
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197201
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197201
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197201
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197201
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197201
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.552	1.63		1	WG2197201
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.14	2.80	J	1	WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197201
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197201
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197201
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197201
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197201
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.59	5.99		1	WG2197201
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197201
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197201
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197201
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197201
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2197201
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197201
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197201
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197201
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197201
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197201
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.384	1.66	J	1	WG2197201
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.172	0.746	J	1	WG2197201
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*102*				WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.28	7.79		1	WG2197201
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197201
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197201
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197201
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.231	0.738		1	WG2197201
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197201
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197201
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197201
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197201
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197201
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197201
Butane	106-97-8	58	0.0522	0.200	0.474	1.43	3.39		1	WG2197201
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2197201
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2197201
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197201
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197201
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197201
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.544	1.12		1	WG2197201
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197201
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.598	2.06		1	WG2197201
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2197201
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197201
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197201
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197201
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197201
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197201
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197201
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197201
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197201
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197201
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197201
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197201
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197201
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197201
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197201
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.92	11.2	B	1	WG2197201
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.334	1.45		1	WG2197201
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0985	0.483	J	1	WG2197201
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2197201
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.442	2.19		1	WG2197201
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197201
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197201
Heptane	142-82-5	100	0.104	0.200	0.818	0.648	2.65		1	WG2197201
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197201
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.548	1.93	J	1	WG2197201
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197201
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.402	1.40		1	WG2197201
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U	J3	1	WG2197201
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2197201
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197201
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197201
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197201
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197201
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0945	0.496	J	1	WG2197201
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.57	4.63		1	WG2197201
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.25	3.07	J	1	WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197201
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197201
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197201
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197201
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197201
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.13	8.02		1	WG2197201
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197201
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197201
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197201
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197201
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.293	1.44		1	WG2197201
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0857	0.421	J	1	WG2197201
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197201
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197201
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197201
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197201
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.10	4.77		1	WG2197201
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.446	1.93		1	WG2197201
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.8*				WG2197201

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.07	4.92		1	WG2197218
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197218
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197218
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197218
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.361	1.15		1	WG2197218
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197218
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197218
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197218
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197218
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197218
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197218
Butane	106-97-8	58	0.0522	0.200	0.474	1.26	2.99		1	WG2197218
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.130	0.405	J	1	WG2197218
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0752	0.474	J	1	WG2197218
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197218
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197218
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197218
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.676	1.40		1	WG2197218
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197218
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.767	2.64		1	WG2197218
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2197218
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197218
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197218
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197218
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197218
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197218
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197218
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197218
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197218
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197218
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197218
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197218
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197218
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197218
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197218
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.7	20.2		1	WG2197218
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.443	1.92		1	WG2197218
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.101	0.496	J	1	WG2197218
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.243	1.37		1	WG2197218
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2197218
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197218
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197218
Heptane	142-82-5	100	0.104	0.200	0.818	0.795	3.25		1	WG2197218
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197218
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.623	2.20	J	1	WG2197218
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197218
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.373	1.30		1	WG2197218
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197218
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.262	0.773	J	1	WG2197218
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197218
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197218
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197218
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197218
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197218
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.935	2.76		1	WG2197218
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.839	2.06	B J	1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197218
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197218
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197218
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197218
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197218
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.41	12.8		1	WG2197218
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197218
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197218
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197218
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197218
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.312	1.53		1	WG2197218
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0949	0.466	J	1	WG2197218
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.138	0.645	J	1	WG2197218
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197218
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197218
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197218
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.51	6.55		1	WG2197218
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.583	2.53		1	WG2197218
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.9*				WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.55	8.44		1	WG2197218
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197218
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197218
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197218
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.278	0.888		1	WG2197218
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197218
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197218
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197218
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197218
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197218
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197218
Butane	106-97-8	58	0.0522	0.200	0.474	0.885	2.10		1	WG2197218
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.135	0.420	J	1	WG2197218
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0805	0.507	J	1	WG2197218
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197218
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197218
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197218
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.575	1.19		1	WG2197218
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197218
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.308	1.06		1	WG2197218
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2197218
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197218
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197218
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197218
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197218
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197218
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197218
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197218
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197218
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197218
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197218
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197218
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197218
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197218
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197218
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.14	11.6		1	WG2197218
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.193	0.837	J	1	WG2197218
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197218
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2197218
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.507	2.51		1	WG2197218
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197218
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197218
Heptane	142-82-5	100	0.104	0.200	0.818	0.307	1.26		1	WG2197218
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197218
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.321	1.13	J	1	WG2197218
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197218
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.420	1.46		1	WG2197218
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197218
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.217	0.640	J	1	WG2197218
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197218
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197218
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197218
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197218
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197218
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.461	1.36		1	WG2197218
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.68	6.59	B	1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197218
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197218
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197218
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197218
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197218
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.09	4.11		1	WG2197218
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197218
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197218
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197218
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197218
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.200	0.982	J	1	WG2197218
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197218
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197218
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197218
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197218
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197218
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.679	2.94		1	WG2197218
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.270	1.17		1	WG2197218
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.6*				WG2197218

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.68	11.1		1	WG2197218
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197218
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.21	4.79	J	1	WG2197218
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197218
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.416	1.33		1	WG2197218
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197218
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197218
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197218
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197218
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197218
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197218
Butane	106-97-8	58	0.0522	0.200	0.474	1.47	3.49		1	WG2197218
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.107	0.333	J	1	WG2197218
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0763	0.481	J	1	WG2197218
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197218
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197218
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197218
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.558	1.15		1	WG2197218
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197218
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.05	3.62		1	WG2197218
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2197218
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197218
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197218
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197218
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197218
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197218
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197218
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197218
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197218
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197218
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197218
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197218
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197218
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197218
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197218
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.4	29.0		1	WG2197218
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.613	2.66		1	WG2197218
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.141	0.692	J	1	WG2197218
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2197218
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.538	2.66		1	WG2197218
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197218
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197218
Heptane	142-82-5	100	0.104	0.200	0.818	1.01	4.13		1	WG2197218
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197218
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.798	2.81		1	WG2197218
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197218
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.340	1.18		1	WG2197218
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197218
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.544	1.60	J	1	WG2197218
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197218
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197218
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197218
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197218
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197218
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.21	3.57		1	WG2197218
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.848	2.08	B J	1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197218
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197218
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197218
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197218
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197218
Toluene	108-88-3	92.10	0.0870	0.500	1.88	5.02	18.9		1	WG2197218
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197218
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197218
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197218
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197218
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.461	2.26		1	WG2197218
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.144	0.707	J	1	WG2197218
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.150	0.701	J	1	WG2197218
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197218
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197218
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197218
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	2.16	9.36		1	WG2197218
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.832	3.61		1	WG2197218
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.7*				WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.15	9.86		1	WG2197218
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197218
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197218
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197218
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.412	1.32		1	WG2197218
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197218
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197218
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197218
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197218
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197218
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197218
Butane	106-97-8	58	0.0522	0.200	0.474	1.16	2.75		1	WG2197218
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.115	0.358	J	1	WG2197218
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0748	0.471	J	1	WG2197218
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197218
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197218
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197218
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.596	1.23		1	WG2197218
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197218
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.772	2.66		1	WG2197218
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2197218
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197218
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197218
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197218
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197218
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197218
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197218
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197218
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197218
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197218
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197218
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197218
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197218
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197218
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197218
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.9	20.6		1	WG2197218
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.448	1.94		1	WG2197218
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0792	0.389	J	1	WG2197218
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2197218
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.525	2.60		1	WG2197218
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197218
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197218
Heptane	142-82-5	100	0.104	0.200	0.818	0.774	3.17		1	WG2197218
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197218
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.611	2.15	J	1	WG2197218
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.155	0.762	J	1	WG2197218
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.385	1.34		1	WG2197218
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197218
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.501	1.48	J	1	WG2197218
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.249	1.02	J	1	WG2197218
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197218
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197218
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197218
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197218
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.16	3.42		1	WG2197218
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.892	2.19	B J	1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197218
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197218
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197218
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197218
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197218
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2197218
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197218
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197218
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197218
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197218
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.307	1.51		1	WG2197218
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0898	0.441	J	1	WG2197218
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197218
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197218
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197218
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197218
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.61	6.98		1	WG2197218
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.608	2.64		1	WG2197218
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.7*				WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	9.11	21.6		1	WG2197218
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197218
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197218
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197218
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.302	0.965		1	WG2197218
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197218
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197218
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197218
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197218
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197218
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197218
Butane	106-97-8	58	0.0522	0.200	0.474	2.38	5.65		1	WG2197218
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.130	0.405	J	1	WG2197218
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0788	0.496	J	1	WG2197218
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197218
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197218
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197218
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.764	1.58		1	WG2197218
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197218
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.203	0.699		1	WG2197218
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.139	0.809	J J4	1	WG2197218
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197218
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197218
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197218
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197218
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197218
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197218
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197218
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197218
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197218
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197218
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197218
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197218
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197218
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197218
Ethanol	64-17-5	46.10	0.265	2.50	4.71	118	222	E	1	WG2197218
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.129	0.559	J	1	WG2197218
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197218
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.249	1.40		1	WG2197218
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.536	2.65		1	WG2197218
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197218
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197218
Heptane	142-82-5	100	0.104	0.200	0.818	0.186	0.761	J	1	WG2197218
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197218
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.38	4.87		1	WG2197218
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197218
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	22.0	76.4		1	WG2197218
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197218
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.517	1.52	J	1	WG2197218
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.207	0.847	J	1	WG2197218
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197218
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197218
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197218
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197218
Pentane	109-66-0	72.15	0.0503	0.200	0.590	19.0	56.1		1	WG2197218
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	6.83	16.8		1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197218
Styrene	100-42-5	104	0.0788	0.200	0.851	0.103	0.438	J	1	WG2197218
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197218
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197218
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197218
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.19	12.0		1	WG2197218
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197218
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197218
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197218
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197218
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0995	0.488	J	1	WG2197218
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2197218
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197218
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197218
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197218
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197218
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.392	1.70	J	1	WG2197218
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.157	0.681	J	1	WG2197218
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.1*				WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.20	7.60		1	WG2197218
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2197218
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2197218
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2197218
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.330	1.05		1	WG2197218
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2197218
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2197218
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2197218
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2197218
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2197218
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2197218
Butane	106-97-8	58	0.0522	0.200	0.474	1.30	3.08		1	WG2197218
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.122	0.380	J	1	WG2197218
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0780	0.491	J	1	WG2197218
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2197218
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2197218
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2197218
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.593	1.22		1	WG2197218
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2197218
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.481	1.66		1	WG2197218
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U	J4	1	WG2197218
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2197218
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2197218
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2197218
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2197218
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2197218
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2197218
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2197218
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2197218
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2197218
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2197218
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2197218
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2197218
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2197218
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2197218
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.08	13.3		1	WG2197218
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.309	1.34		1	WG2197218
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2197218
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2197218
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.532	2.63		1	WG2197218
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2197218
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2197218
Heptane	142-82-5	100	0.104	0.200	0.818	0.494	2.02		1	WG2197218
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2197218
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.451	1.59	J	1	WG2197218
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2197218
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.458	1.59		1	WG2197218
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2197218
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.420	1.24	J	1	WG2197218
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2197218
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2197218
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2197218
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2197218
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2197218
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.712	2.10		1	WG2197218
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.883	2.17	B J	1	WG2197218

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2197218
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2197218
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2197218
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2197218
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2197218
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.49	9.38		1	WG2197218
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2197218
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2197218
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2197218
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2197218
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.267	1.31		1	WG2197218
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.0812	0.399	J	1	WG2197218
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2197218
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2197218
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2197218
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2197218
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.07	4.64		1	WG2197218
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.423	1.83		1	WG2197218
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.1*				WG2197218

Method Blank (MB)

(MB) R4018306-2 12/28/23 09:47

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.939	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4018306-2 12/28/23 09:47

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*102*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018306-1 12/28/23 08:50 • (LCSD) R4018306-3 12/28/23 10:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.97	3.93	106	105	70.0-130			1.01	25
Acetonitrile	18.8	21.8	21.9	116	116	70.0-130			0.458	25
Acrylonitrile	3.75	4.24	4.25	113	113	70.0-130			0.236	25
Allyl chloride	3.75	4.04	3.92	108	105	70.0-130			3.02	25
Benzene	3.75	3.60	3.53	96.0	94.1	70.0-130			1.96	25
Benzyl Chloride	3.75	3.80	3.83	101	102	70.0-152			0.786	25
Bromodichloromethane	3.75	3.67	3.63	97.9	96.8	70.0-130			1.10	25
Bromoform	3.75	3.73	3.70	99.5	98.7	70.0-130			0.808	25
Bromomethane	3.75	3.77	3.70	101	98.7	70.0-130			1.87	25
Bromoethane	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
1,3-Butadiene	3.75	4.13	4.11	110	110	70.0-130			0.485	25
Butane	3.75	4.17	4.15	111	111	70.0-130			0.481	25
Carbon disulfide	3.75	3.80	3.69	101	98.4	70.0-130			2.94	25
Carbon tetrachloride	3.75	3.59	3.52	95.7	93.9	70.0-130			1.97	25
Chlorobenzene	3.75	3.55	3.51	94.7	93.6	70.0-130			1.13	25
Chloroethane	3.75	3.94	3.89	105	104	70.0-130			1.28	25
Chloroform	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
Chloromethane	3.75	4.23	4.23	113	113	70.0-130			0.000	25
2-Chlorotoluene	3.75	3.56	3.58	94.9	95.5	70.0-130			0.560	25
Cyclohexane	3.75	3.54	3.46	94.4	92.3	70.0-130			2.29	25
n-Decane	3.75	4.47	4.49	119	120	70.0-130			0.446	25
Dibromochloromethane	3.75	3.64	3.61	97.1	96.3	70.0-130			0.828	25
1,2-Dibromoethane	3.75	3.55	3.53	94.7	94.1	70.0-130			0.565	25
1,2-Dichlorobenzene	3.75	3.49	3.61	93.1	96.3	70.0-130			3.38	25
1,3-Dichlorobenzene	3.75	3.62	3.63	96.5	96.8	70.0-130			0.276	25
1,4-Dichlorobenzene	3.75	3.52	3.63	93.9	96.8	70.0-130			3.08	25
1,2-Dichloroethane	3.75	3.86	3.84	103	102	70.0-130			0.519	25
1,1-Dichloroethane	3.75	3.65	3.75	97.3	100	70.0-130			2.70	25
1,1-Dichloroethene	3.75	3.95	3.95	105	105	70.0-130			0.000	25
cis-1,2-Dichloroethene	3.75	3.72	3.77	99.2	101	70.0-130			1.34	25
trans-1,2-Dichloroethene	3.75	4.06	3.90	108	104	70.0-130			4.02	25
1,2-Dichloropropane	3.75	3.81	3.75	102	100	70.0-130			1.59	25
cis-1,3-Dichloropropene	3.75	3.37	3.31	89.9	88.3	70.0-130			1.80	25
trans-1,3-Dichloropropene	3.75	3.61	3.56	96.3	94.9	70.0-130			1.39	25
1,4-Dioxane	3.75	3.60	3.48	96.0	92.8	70.0-140			3.39	25
Ethanol	3.75	4.57	4.51	122	120	55.0-148			1.32	25
Ethylbenzene	3.75	3.58	3.54	95.5	94.4	70.0-130			1.12	25
4-Ethyltoluene	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
Trichlorofluoromethane	3.75	3.72	3.72	99.2	99.2	70.0-130			0.000	25
Dichlorodifluoromethane	3.75	3.83	3.72	102	99.2	64.0-139			2.91	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018306-1 12/28/23 08:50 • (LCSD) R4018306-3 12/28/23 10:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.70	3.61	98.7	96.3	70.0-130			2.46	25
1,2-Dichlorotetrafluoroethane	3.75	3.78	3.79	101	101	70.0-130			0.264	25
Heptane	3.75	4.09	4.06	109	108	70.0-130			0.736	25
Hexachloro-1,3-butadiene	3.75	3.26	3.22	86.9	85.9	70.0-151			1.23	25
n-Hexane	3.75	3.87	3.85	103	103	70.0-130			0.518	25
Isopropylbenzene	3.75	3.66	3.66	97.6	97.6	70.0-130			0.000	25
Methylene Chloride	3.75	4.13	4.07	110	109	70.0-130			1.46	25
Methyl Butyl Ketone	3.75	4.32	2.87	115	76.5	70.0-149		J3	40.3	25
2-Butanone (MEK)	3.75	3.59	3.54	95.7	94.4	70.0-130			1.40	25
4-Methyl-2-pentanone (MIBK)	3.75	4.16	4.15	111	111	70.0-139			0.241	25
Methyl methacrylate	3.75	3.65	3.64	97.3	97.1	70.0-130			0.274	25
MTBE	3.75	3.60	3.51	96.0	93.6	70.0-130			2.53	25
Naphthalene	3.75	3.47	3.47	92.5	92.5	70.0-159			0.000	25
Nonane	3.75	4.15	4.11	111	110	70.0-130			0.969	25
Pentane	3.75	4.18	4.16	111	111	70.0-130			0.480	25
2-Propanol	3.75	4.07	4.16	109	111	70.0-139			2.19	25
Propene	3.75	3.90	3.84	104	102	64.0-144			1.55	25
Styrene	3.75	3.66	3.72	97.6	99.2	70.0-130			1.63	25
1,1,2,2-Tetrachloroethane	3.75	3.84	3.79	102	101	70.0-130			1.31	25
Tetrachloroethylene	3.75	3.49	3.39	93.1	90.4	70.0-130			2.91	25
Tetrahydrofuran	3.75	3.96	3.88	106	103	70.0-137			2.04	25
Toluene	3.75	3.49	3.42	93.1	91.2	70.0-130			2.03	25
1,2,4-Trichlorobenzene	3.75	3.21	3.26	85.6	86.9	70.0-160			1.55	25
1,1,1-Trichloroethane	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
1,1,2-Trichloroethane	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
Trichloroethylene	3.75	3.57	3.51	95.2	93.6	70.0-130			1.69	25
1,2,4-Trimethylbenzene	3.75	3.70	3.76	98.7	100	70.0-130			1.61	25
1,3,5-Trimethylbenzene	3.75	3.60	3.67	96.0	97.9	70.0-130			1.93	25
2,2,4-Trimethylpentane	3.75	4.01	3.99	107	106	70.0-130			0.500	25
Vinyl chloride	3.75	4.00	3.97	107	106	70.0-130			0.753	25
Vinyl Bromide	3.75	3.81	3.73	102	99.5	70.0-130			2.12	25
Vinyl acetate	3.75	3.82	4.05	102	108	70.0-130			5.84	25
m&p-Xylene	7.50	7.42	7.38	98.9	98.4	70.0-130			0.541	25
o-Xylene	3.75	3.82	3.75	102	100	70.0-130			1.85	25
(S) 1,4-Bromofluorobenzene				*104*	*105*	*60.0-140*				

Method Blank (MB)

(MB) R4018286-2 12/28/23 10:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4018286-2 12/28/23 10:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	0.365	J	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018286-1 12/28/23 09:47 • (LCSD) R4018286-3 12/28/23 11:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.12	4.11	110	110	70.0-130			0.243	25
Acetonitrile	18.8	22.1	21.6	118	115	70.0-130			2.29	25
Acrylonitrile	3.75	4.41	4.38	118	117	70.0-130			0.683	25
Allyl chloride	3.75	4.61	4.62	123	123	70.0-130			0.217	25
Benzene	3.75	4.45	4.43	119	118	70.0-130			0.450	25
Benzyl Chloride	3.75	4.72	4.61	126	123	70.0-152			2.36	25
Bromodichloromethane	3.75	4.42	4.38	118	117	70.0-130			0.909	25
Bromoform	3.75	4.37	4.37	117	117	70.0-130			0.000	25
Bromomethane	3.75	4.59	4.46	122	119	70.0-130			2.87	25
Bromoethane	3.75	4.48	4.47	119	119	70.0-130			0.223	25
1,3-Butadiene	3.75	4.66	4.54	124	121	70.0-130			2.61	25
Butane	3.75	4.73	4.52	126	121	70.0-130			4.54	25
Carbon disulfide	3.75	4.18	4.13	111	110	70.0-130			1.20	25
Carbon tetrachloride	3.75	4.49	4.45	120	119	70.0-130			0.895	25
Chlorobenzene	3.75	4.49	4.47	120	119	70.0-130			0.446	25
Chloroethane	3.75	4.66	4.56	124	122	70.0-130			2.17	25
Chloroform	3.75	4.48	4.44	119	118	70.0-130			0.897	25
Chloromethane	3.75	4.52	4.42	121	118	70.0-130			2.24	25
2-Chlorotoluene	3.75	4.58	4.54	122	121	70.0-130			0.877	25
Cyclohexane	3.75	4.44	4.41	118	118	70.0-130			0.678	25
n-Decane	3.75	4.95	4.79	132	128	70.0-130	J4		3.29	25
Dibromochloromethane	3.75	4.45	4.44	119	118	70.0-130			0.225	25
1,2-Dibromoethane	3.75	4.46	4.43	119	118	70.0-130			0.675	25
1,2-Dichlorobenzene	3.75	4.64	4.54	124	121	70.0-130			2.18	25
1,3-Dichlorobenzene	3.75	4.62	4.53	123	121	70.0-130			1.97	25
1,4-Dichlorobenzene	3.75	4.66	4.55	124	121	70.0-130			2.39	25
1,2-Dichloroethane	3.75	4.46	4.46	119	119	70.0-130			0.000	25
1,1-Dichloroethane	3.75	4.45	4.40	119	117	70.0-130			1.13	25
1,1-Dichloroethene	3.75	4.49	4.39	120	117	70.0-130			2.25	25
cis-1,2-Dichloroethene	3.75	4.45	4.40	119	117	70.0-130			1.13	25
trans-1,2-Dichloroethene	3.75	4.45	4.41	119	118	70.0-130			0.903	25
1,2-Dichloropropane	3.75	4.45	4.43	119	118	70.0-130			0.450	25
cis-1,3-Dichloropropene	3.75	4.46	4.45	119	119	70.0-130			0.224	25
trans-1,3-Dichloropropene	3.75	4.46	4.45	119	119	70.0-130			0.224	25
1,4-Dioxane	3.75	4.42	4.38	118	117	70.0-140			0.909	25
Ethanol	3.75	4.39	4.31	117	115	55.0-148			1.84	25
Ethylbenzene	3.75	4.52	4.50	121	120	70.0-130			0.443	25
4-Ethyltoluene	3.75	4.64	4.57	124	122	70.0-130			1.52	25
Trichlorofluoromethane	3.75	4.54	4.47	121	119	70.0-130			1.55	25
Dichlorodifluoromethane	3.75	4.60	4.52	123	121	64.0-139			1.75	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018286-1 12/28/23 09:47 • (LCSD) R4018286-3 12/28/23 11:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.47	4.44	119	118	70.0-130			0.673	25
1,2-Dichlorotetrafluoroethane	3.75	4.46	4.37	119	117	70.0-130			2.04	25
Heptane	3.75	4.49	4.45	120	119	70.0-130			0.895	25
Hexachloro-1,3-butadiene	3.75	4.48	4.42	119	118	70.0-151			1.35	25
n-Hexane	3.75	4.41	4.35	118	116	70.0-130			1.37	25
Isopropylbenzene	3.75	4.58	4.55	122	121	70.0-130			0.657	25
Methylene Chloride	3.75	4.13	4.13	110	110	70.0-130			0.000	25
Methyl Butyl Ketone	3.75	4.53	4.45	121	119	70.0-149			1.78	25
2-Butanone (MEK)	3.75	4.46	4.48	119	119	70.0-130			0.447	25
4-Methyl-2-pentanone (MIBK)	3.75	4.49	4.43	120	118	70.0-139			1.35	25
Methyl methacrylate	3.75	4.45	4.37	119	117	70.0-130			1.81	25
MTBE	3.75	4.51	4.47	120	119	70.0-130			0.891	25
Naphthalene	3.75	4.57	4.36	122	116	70.0-159			4.70	25
Nonane	3.75	4.52	4.48	121	119	70.0-130			0.889	25
Pentane	3.75	4.41	4.34	118	116	70.0-130			1.60	25
2-Propanol	3.75	4.15	4.12	111	110	70.0-139			0.726	25
Propene	3.75	4.38	4.28	117	114	64.0-144			2.31	25
Styrene	3.75	4.54	4.51	121	120	70.0-130			0.663	25
1,1,2,2-Tetrachloroethane	3.75	4.64	4.54	124	121	70.0-130			2.18	25
Tetrachloroethylene	3.75	4.48	4.45	119	119	70.0-130			0.672	25
Tetrahydrofuran	3.75	4.48	4.40	119	117	70.0-137			1.80	25
Toluene	3.75	4.44	4.40	118	117	70.0-130			0.905	25
1,2,4-Trichlorobenzene	3.75	4.42	4.26	118	114	70.0-160			3.69	25
1,1,1-Trichloroethane	3.75	4.43	4.39	118	117	70.0-130			0.907	25
1,1,2-Trichloroethane	3.75	4.42	4.39	118	117	70.0-130			0.681	25
Trichloroethylene	3.75	4.42	4.41	118	118	70.0-130			0.227	25
1,2,4-Trimethylbenzene	3.75	4.63	4.55	123	121	70.0-130			1.74	25
1,3,5-Trimethylbenzene	3.75	4.68	4.58	125	122	70.0-130			2.16	25
2,2,4-Trimethylpentane	3.75	4.47	4.42	119	118	70.0-130			1.12	25
Vinyl chloride	3.75	4.77	4.58	127	122	70.0-130			4.06	25
Vinyl Bromide	3.75	4.48	4.42	119	118	70.0-130			1.35	25
Vinyl acetate	3.75	4.52	4.42	121	118	70.0-130			2.24	25
m&p-Xylene	7.50	9.11	9.09	121	121	70.0-130			0.220	25
o-Xylene	3.75	4.51	4.54	120	121	70.0-130			0.663	25
(S) 1,4-Bromofluorobenzene				*98.5*	*98.8*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY℠

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

AMB
7885 4263 0853

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J178

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; a henault@cteh.com, mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal: Dispose after 2X hold time ☒ ULØ11678

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1223MCØØ2	Ø12744	Ø23494	12/23/23	Ø3Ø5	12/23/23	233Ø	-27	-3	DA	✓				A -01
MTWA1223MCØØ3B	Ø28Ø44	ØØ7582	12/23/23	2351	12/24/23	2224	-26	-4	DA	✓				A -02
MTWA1223MCØØ1	Ø14312	Ø28458	12/23/23	Ø247	12/23/23	23Ø5	-27	-3	DA	✓				A -03
MTWA1224MCØØ4	Ø212Ø6	Ø11653	12/24/23	ØØ22	12/24/23	2246	-26	-4	DA	✓				A -04
MTWA1223MCØØ3	Ø212Ø3	Ø23514	12/23/23	Ø336	12/23/23	2345	-27	-2	DA	✓				A -05
MTWA1223MCØØ1D	Ø29ØØ8	Ø28234	12/23/23	Ø25Ø	12/23/23	23Ø5	-27	-4	DA	✓				A -06
MTWA1221MCØØ1	Ø12835	Ø13Ø12	12/21/23	1Ø2Ø	12/22/23	Ø925	-30	-2	DA	✓				A -07
MTWA1221MCØØ3	Ø1Ø9Ø3	Ø28239	12/21/23	Ø735	12/22/23	Ø74Ø	-30	-4	DA	✓				A -08
														A
														A

MG

MG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Gage Gilliam	12/26/23 1545		12/28 0900	

SDG # _____

Page 1 of 1

ANALYTICAL REPORT

February 20, 2024

Revised Report

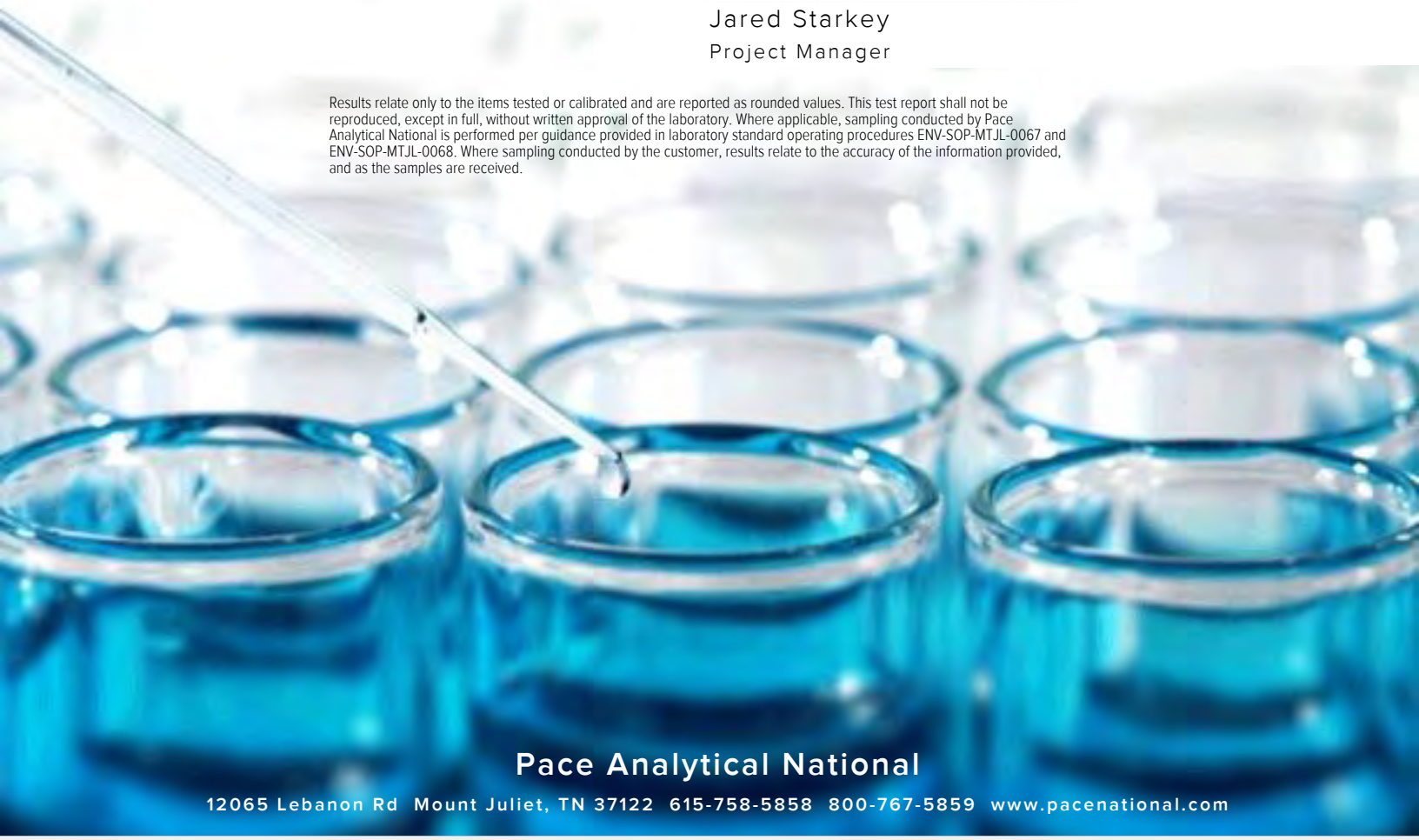
CTEH - ER

Sample Delivery Group:	L1692028
Samples Received:	12/29/2023
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1226MC001 L1692028-01 Air

Collected by: DM | Collected date/time: 12/27/23 20:02 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 11:09	12/29/23 11:09	MNP	Mt. Juliet, TN

MTWA1226MC002 L1692028-02 Air

Collected by: DM | Collected date/time: 12/27/23 19:39 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 11:34	12/29/23 11:34	MNP	Mt. Juliet, TN

MTWA1226MC003 L1692028-03 Air

Collected by: DM | Collected date/time: 12/27/23 20:22 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 11:59	12/29/23 11:59	MNP	Mt. Juliet, TN

MTWA1226MC004 L1692028-04 Air

Collected by: DM | Collected date/time: 12/27/23 20:36 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 12:24	12/29/23 12:24	MNP	Mt. Juliet, TN

MTWA1225MC001 L1692028-05 Air

Collected by: DM | Collected date/time: 12/26/23 19:34 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 12:49	12/29/23 12:49	MNP	Mt. Juliet, TN

MTWA1225MC002 L1692028-06 Air

Collected by: DM | Collected date/time: 12/26/23 20:05 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 13:15	12/29/23 13:15	MNP	Mt. Juliet, TN

MTWA1225MC003 L1692028-07 Air

Collected by: DM | Collected date/time: 12/26/23 20:26 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 13:40	12/29/23 13:40	MNP	Mt. Juliet, TN

MTWA1225MC004 L1692028-08 Air

Collected by: DM | Collected date/time: 12/26/23 20:47 | Received date/time: 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2198035	1	12/29/23 14:05	12/29/23 14:05	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 12/30/23 11:51

Project Comments

MDL Reporting

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1226MC001	L1692028-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.21	12.4		1	WG2198035
MTWA1226MC001	L1692028-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.277	0.465	J	1	WG2198035
MTWA1226MC001	L1692028-01	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.85	6.18	J	1	WG2198035
MTWA1226MC001	L1692028-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.283	0.904		1	WG2198035
MTWA1226MC001	L1692028-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.686	1.63		1	WG2198035
MTWA1226MC001	L1692028-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.517	1.07		1	WG2198035
MTWA1226MC001	L1692028-01	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.266	0.916		1	WG2198035
MTWA1226MC001	L1692028-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.7	22.1		1	WG2198035
MTWA1226MC001	L1692028-01	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.152	0.659	J	1	WG2198035
MTWA1226MC001	L1692028-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2198035
MTWA1226MC001	L1692028-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.433	2.14		1	WG2198035
MTWA1226MC001	L1692028-01	Heptane	142-82-5	100	0.104	0.200	0.818	0.260	1.06		1	WG2198035
MTWA1226MC001	L1692028-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.222	0.783	J	1	WG2198035
MTWA1226MC001	L1692028-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.218	0.757		1	WG2198035
MTWA1226MC001	L1692028-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.486	1.43	J	1	WG2198035
MTWA1226MC001	L1692028-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.499	1.47		1	WG2198035
MTWA1226MC001	L1692028-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.711	1.75	J	1	WG2198035
MTWA1226MC001	L1692028-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.18	8.21		1	WG2198035
MTWA1226MC001	L1692028-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.144	0.707	J	1	WG2198035
MTWA1226MC001	L1692028-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.514	2.23		1	WG2198035
MTWA1226MC001	L1692028-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.223	0.967		1	WG2198035
MTWA1226MC002	L1692028-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	16.6	39.4		1	WG2198035
MTWA1226MC002	L1692028-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.327	1.04		1	WG2198035
MTWA1226MC002	L1692028-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.460	1.09		1	WG2198035
MTWA1226MC002	L1692028-02	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.352	0.929		1	WG2198035
MTWA1226MC002	L1692028-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.716	1.48		1	WG2198035
MTWA1226MC002	L1692028-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.170	0.585	J	1	WG2198035
MTWA1226MC002	L1692028-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.7	31.5		1	WG2198035
MTWA1226MC002	L1692028-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.110	0.477	J	1	WG2198035
MTWA1226MC002	L1692028-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.190	1.07	J	1	WG2198035
MTWA1226MC002	L1692028-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.421	2.08		1	WG2198035
MTWA1226MC002	L1692028-02	Heptane	142-82-5	100	0.104	0.200	0.818	0.210	0.859		1	WG2198035
MTWA1226MC002	L1692028-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.229	0.795		1	WG2198035
MTWA1226MC002	L1692028-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.728	2.15	J	1	WG2198035
MTWA1226MC002	L1692028-02	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.117	0.479	J	1	WG2198035
MTWA1226MC002	L1692028-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.340	1.00		1	WG2198035
MTWA1226MC002	L1692028-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.694	1.71	J	1	WG2198035
MTWA1226MC002	L1692028-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.57	5.91		1	WG2198035
MTWA1226MC002	L1692028-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.370	1.60	J	1	WG2198035
MTWA1226MC002	L1692028-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.146	0.633	J	1	WG2198035
MTWA1226MC003	L1692028-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.66	11.1		1	WG2198035
MTWA1226MC003	L1692028-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.175	0.559	J	1	WG2198035
MTWA1226MC003	L1692028-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.740	1.76		1	WG2198035
MTWA1226MC003	L1692028-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.480	0.991		1	WG2198035
MTWA1226MC003	L1692028-03	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.368	1.27		1	WG2198035
MTWA1226MC003	L1692028-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.07	9.56		1	WG2198035
MTWA1226MC003	L1692028-03	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.192	0.832	J	1	WG2198035
MTWA1226MC003	L1692028-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.186	1.05	J	1	WG2198035
MTWA1226MC003	L1692028-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.424	2.10		1	WG2198035
MTWA1226MC003	L1692028-03	Heptane	142-82-5	100	0.104	0.200	0.818	0.343	1.40		1	WG2198035
MTWA1226MC003	L1692028-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.329	1.16	J	1	WG2198035
MTWA1226MC003	L1692028-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.252	0.875		1	WG2198035
MTWA1226MC003	L1692028-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.450	1.33	J	1	WG2198035
MTWA1226MC003	L1692028-03	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0517	0.271	J	1	WG2198035
MTWA1226MC003	L1692028-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.601	1.77		1	WG2198035

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1226MC003	L1692028-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.562	1.38	J	1	WG2198035
MTWA1226MC003	L1692028-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.42	5.35		1	WG2198035
MTWA1226MC003	L1692028-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.605	2.62		1	WG2198035
MTWA1226MC003	L1692028-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.261	1.13		1	WG2198035
MTWA1226MC004	L1692028-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	8.24	19.6		1	WG2198035
MTWA1226MC004	L1692028-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.200	0.639	J	1	WG2198035
MTWA1226MC004	L1692028-04	Butane	106-97-8	58	0.0522	0.200	0.474	3.83	9.09		1	WG2198035
MTWA1226MC004	L1692028-04	Chloroform	67-66-3	119	0.0717	0.200	0.973	0.0755	0.367	J	1	WG2198035
MTWA1226MC004	L1692028-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.525	1.08		1	WG2198035
MTWA1226MC004	L1692028-04	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.119	0.410	J	1	WG2198035
MTWA1226MC004	L1692028-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	88.4	167		1	WG2198035
MTWA1226MC004	L1692028-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.196	1.10	J	1	WG2198035
MTWA1226MC004	L1692028-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.416	2.06		1	WG2198035
MTWA1226MC004	L1692028-04	Heptane	142-82-5	100	0.104	0.200	0.818	0.121	0.495	J	1	WG2198035
MTWA1226MC004	L1692028-04	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.670	2.36		1	WG2198035
MTWA1226MC004	L1692028-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	10.3	35.8		1	WG2198035
MTWA1226MC004	L1692028-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.219	0.646	J	1	WG2198035
MTWA1226MC004	L1692028-04	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.195	0.798	J	1	WG2198035
MTWA1226MC004	L1692028-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	5.14	15.2		1	WG2198035
MTWA1226MC004	L1692028-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	21.4	52.6		1	WG2198035
MTWA1226MC004	L1692028-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.997	3.76		1	WG2198035
MTWA1226MC004	L1692028-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.149	0.646	J	1	WG2198035
MTWA1225MC001	L1692028-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.61	6.20		1	WG2198035
MTWA1225MC001	L1692028-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.168	0.537	J	1	WG2198035
MTWA1225MC001	L1692028-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.332	0.788		1	WG2198035
MTWA1225MC001	L1692028-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.547	1.13		1	WG2198035
MTWA1225MC001	L1692028-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.99	11.3		1	WG2198035
MTWA1225MC001	L1692028-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.186	1.05	J	1	WG2198035
MTWA1225MC001	L1692028-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2198035
MTWA1225MC001	L1692028-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.251	0.872		1	WG2198035
MTWA1225MC001	L1692028-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.198	0.584	J	1	WG2198035
MTWA1225MC001	L1692028-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.174	0.513	J	1	WG2198035
MTWA1225MC001	L1692028-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.422	1.04	J	1	WG2198035
MTWA1225MC001	L1692028-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.546	2.06		1	WG2198035
MTWA1225MC002	L1692028-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.55	13.2		1	WG2198035
MTWA1225MC002	L1692028-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.682	2.18		1	WG2198035
MTWA1225MC002	L1692028-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.313	0.742		1	WG2198035
MTWA1225MC002	L1692028-06	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.324	0.855		1	WG2198035
MTWA1225MC002	L1692028-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.637	1.32		1	WG2198035
MTWA1225MC002	L1692028-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.8	29.8		1	WG2198035
MTWA1225MC002	L1692028-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.192	1.08	J	1	WG2198035
MTWA1225MC002	L1692028-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.415	2.05		1	WG2198035
MTWA1225MC002	L1692028-06	Heptane	142-82-5	100	0.104	0.200	0.818	0.115	0.470	J	1	WG2198035
MTWA1225MC002	L1692028-06	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.282	1.39		1	WG2198035
MTWA1225MC002	L1692028-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.199	0.691	J	1	WG2198035
MTWA1225MC002	L1692028-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.502	1.48	J	1	WG2198035
MTWA1225MC002	L1692028-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.151	0.446	J	1	WG2198035
MTWA1225MC002	L1692028-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.728	1.79	J	1	WG2198035
MTWA1225MC002	L1692028-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.33	5.01		1	WG2198035

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1225MC003	L1692028-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	42.6	101		1	WG2198035
MTWA1225MC003	L1692028-07	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.94	4.21	J	1	WG2198035
MTWA1225MC003	L1692028-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.236	0.754		1	WG2198035
MTWA1225MC003	L1692028-07	Butane	106-97-8	58	0.0522	0.200	0.474	5.51	13.1		1	WG2198035
MTWA1225MC003	L1692028-07	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.214	0.565		1	WG2198035
MTWA1225MC003	L1692028-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.556	1.15		1	WG2198035
MTWA1225MC003	L1692028-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.09	11.5		1	WG2198035
MTWA1225MC003	L1692028-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.183	1.03	J	1	WG2198035
MTWA1225MC003	L1692028-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2198035
MTWA1225MC003	L1692028-07	Heptane	142-82-5	100	0.104	0.200	0.818	2.08	8.51		1	WG2198035
MTWA1225MC003	L1692028-07	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.950	3.35		1	WG2198035
MTWA1225MC003	L1692028-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.209	0.726		1	WG2198035
MTWA1225MC003	L1692028-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.682	2.01	J	1	WG2198035
MTWA1225MC003	L1692028-07	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0976	0.512	J	1	WG2198035
MTWA1225MC003	L1692028-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	63.7	188		1	WG2198035
MTWA1225MC003	L1692028-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.591	1.45	J	1	WG2198035
MTWA1225MC003	L1692028-07	Propene	115-07-1	42.10	0.0932	1.25	2.15	1.56	2.69		1	WG2198035
MTWA1225MC003	L1692028-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.331	1.25	J	1	WG2198035
MTWA1225MC004	L1692028-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.04	7.22		1	WG2198035
MTWA1225MC004	L1692028-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.126	0.402	J	1	WG2198035
MTWA1225MC004	L1692028-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.363	0.861		1	WG2198035
MTWA1225MC004	L1692028-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.480	0.991		1	WG2198035
MTWA1225MC004	L1692028-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.83	16.6		1	WG2198035
MTWA1225MC004	L1692028-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.194	1.09	J	1	WG2198035
MTWA1225MC004	L1692028-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.410	2.03		1	WG2198035
MTWA1225MC004	L1692028-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.212	0.736		1	WG2198035
MTWA1225MC004	L1692028-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.283	0.835	J	1	WG2198035
MTWA1225MC004	L1692028-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.393	1.16		1	WG2198035
MTWA1225MC004	L1692028-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.26	3.10		1	WG2198035
MTWA1225MC004	L1692028-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.219	0.825	J	1	WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.21	12.4		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.277	0.465	J	1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.85	6.18	J	1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.283	0.904		1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	0.686	1.63		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.517	1.07		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.266	0.916		1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.7	22.1		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.152	0.659	J	1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.433	2.14		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	0.260	1.06		1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.222	0.783	J	1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.218	0.757		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.486	1.43	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.499	1.47		1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.711	1.75	J	1	WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.18	8.21		1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.144	0.707	J	1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.514	2.23		1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.223	0.967		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.9*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	16.6	39.4		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.327	1.04		1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	0.460	1.09		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.352	0.929		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.716	1.48		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.170	0.585	J	1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.7	31.5		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.110	0.477	J	1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.190	1.07	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.421	2.08		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	0.210	0.859		1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.229	0.795		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.728	2.15	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.117	0.479	J	1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.340	1.00		1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.694	1.71	J	1	WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.57	5.91		1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.370	1.60	J	1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.146	0.633	J	1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.6*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.66	11.1		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.175	0.559	J	1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	0.740	1.76		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.480	0.991		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.368	1.27		1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.07	9.56		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.192	0.832	J	1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.186	1.05	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.424	2.10		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	0.343	1.40		1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.329	1.16	J	1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.252	0.875		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.450	1.33	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0517	0.271	J	1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.601	1.77		1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.562	1.38	J	1	WG2198035

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.42	5.35		1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.605	2.62		1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.261	1.13		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*95.6*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.24	19.6		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.200	0.639	J	1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	3.83	9.09		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	0.0755	0.367	J	1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.525	1.08		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.119	0.410	J	1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	88.4	167		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.196	1.10	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.416	2.06		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	0.121	0.495	J	1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.670	2.36		1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	10.3	35.8		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.219	0.646	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.195	0.798	J	1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	5.14	15.2		1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	21.4	52.6		1	WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.997	3.76		1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.149	0.646	J	1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.1*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.61	6.20		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.168	0.537	J	1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	0.332	0.788		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.547	1.13		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.99	11.3		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.186	1.05	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.251	0.872		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.198	0.584	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.174	0.513	J	1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.422	1.04	J	1	WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.546	2.06		1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*95.4*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.55	13.2		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.682	2.18		1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	0.313	0.742		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.324	0.855		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.637	1.32		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.8	29.8		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.192	1.08	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.415	2.05		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	0.115	0.470	J	1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.282	1.39		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.199	0.691	J	1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.502	1.48	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.151	0.446	J	1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.728	1.79	J	1	WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.33	5.01		1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*95.5*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	42.6	101		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.94	4.21	J	1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.236	0.754		1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	5.51	13.1		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.214	0.565		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.556	1.15		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.09	11.5		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.183	1.03	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	2.08	8.51		1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.950	3.35		1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.209	0.726		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.682	2.01	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0976	0.512	J	1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	63.7	188		1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.591	1.45	J	1	WG2198035

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	1.56	2.69		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.331	1.25	J	1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.2*				WG2198035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.04	7.22		1	WG2198035
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2198035
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2198035
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2198035
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.126	0.402	J	1	WG2198035
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2198035
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2198035
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2198035
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2198035
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2198035
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2198035
Butane	106-97-8	58	0.0522	0.200	0.474	0.363	0.861		1	WG2198035
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2198035
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2198035
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2198035
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2198035
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2198035
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.480	0.991		1	WG2198035
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2198035
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2198035
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2198035
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2198035
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2198035
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2198035
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2198035
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2198035
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2198035
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2198035
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2198035
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2198035
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2198035
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2198035
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2198035
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2198035
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2198035
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.83	16.6		1	WG2198035
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2198035
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2198035
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.194	1.09	J	1	WG2198035
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.410	2.03		1	WG2198035
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2198035
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2198035
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2198035
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2198035
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2198035
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2198035
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.212	0.736		1	WG2198035
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2198035
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.283	0.835	J	1	WG2198035
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2198035
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2198035
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2198035
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2198035
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2198035
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.393	1.16		1	WG2198035
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.26	3.10		1	WG2198035

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2198035
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2198035
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2198035
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2198035
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2198035
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.219	0.825	J	1	WG2198035
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2198035
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2198035
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2198035
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2198035
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2198035
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2198035
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2198035
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2198035
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2198035
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2198035
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2198035
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2198035
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.4*				WG2198035

Method Blank (MB)

(MB) R4018311-3 12/29/23 09:39

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4018311-3 12/29/23 09:39

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018311-1 12/29/23 08:48 • (LCSD) R4018311-2 12/29/23 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.34	3.52	89.1	93.9	70.0-130			5.25	25
Acetonitrile	18.8	18.8	19.1	100	102	70.0-130			1.58	25
Acrylonitrile	3.75	3.61	3.62	96.3	96.5	70.0-130			0.277	25
Allyl chloride	3.75	3.63	3.77	96.8	101	70.0-130			3.78	25
Benzene	3.75	3.59	3.69	95.7	98.4	70.0-130			2.75	25
Benzyl Chloride	3.75	3.97	4.06	106	108	70.0-152			2.24	25
Bromodichloromethane	3.75	3.63	3.62	96.8	96.5	70.0-130			0.276	25
Bromoform	3.75	3.54	3.51	94.4	93.6	70.0-130			0.851	25
Bromomethane	3.75	3.54	3.58	94.4	95.5	70.0-130			1.12	25
Bromoethane	3.75	3.52	3.62	93.9	96.5	70.0-130			2.80	25
1,3-Butadiene	3.75	3.54	3.65	94.4	97.3	70.0-130			3.06	25
Butane	3.75	3.53	3.62	94.1	96.5	70.0-130			2.52	25
Carbon disulfide	3.75	3.95	3.94	105	105	70.0-130			0.253	25
Carbon tetrachloride	3.75	3.47	3.53	92.5	94.1	70.0-130			1.71	25
Chlorobenzene	3.75	3.59	3.66	95.7	97.6	70.0-130			1.93	25
Chloroethane	3.75	3.59	3.58	95.7	95.5	70.0-130			0.279	25
Chloroform	3.75	3.58	3.65	95.5	97.3	70.0-130			1.94	25
Chloromethane	3.75	3.61	3.74	96.3	99.7	70.0-130			3.54	25
2-Chlorotoluene	3.75	3.62	3.74	96.5	99.7	70.0-130			3.26	25
Cyclohexane	3.75	3.39	3.52	90.4	93.9	70.0-130			3.76	25
n-Decane	3.75	3.96	4.02	106	107	70.0-130			1.50	25
Dibromochloromethane	3.75	3.59	3.62	95.7	96.5	70.0-130			0.832	25
1,2-Dibromoethane	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
1,2-Dichlorobenzene	3.75	3.72	3.80	99.2	101	70.0-130			2.13	25
1,3-Dichlorobenzene	3.75	3.74	3.72	99.7	99.2	70.0-130			0.536	25
1,4-Dichlorobenzene	3.75	3.68	3.75	98.1	100	70.0-130			1.88	25
1,2-Dichloroethane	3.75	3.61	3.68	96.3	98.1	70.0-130			1.92	25
1,1-Dichloroethane	3.75	3.66	3.73	97.6	99.5	70.0-130			1.89	25
1,1-Dichloroethene	3.75	3.59	3.66	95.7	97.6	70.0-130			1.93	25
cis-1,2-Dichloroethene	3.75	3.55	3.63	94.7	96.8	70.0-130			2.23	25
trans-1,2-Dichloroethene	3.75	3.56	3.66	94.9	97.6	70.0-130			2.77	25
1,2-Dichloropropane	3.75	3.65	3.74	97.3	99.7	70.0-130			2.44	25
cis-1,3-Dichloropropene	3.75	3.78	3.89	101	104	70.0-130			2.87	25
trans-1,3-Dichloropropene	3.75	3.43	3.48	91.5	92.8	70.0-130			1.45	25
1,4-Dioxane	3.75	3.68	3.82	98.1	102	70.0-140			3.73	25
Ethanol	3.75	2.99	3.13	79.7	83.5	55.0-148			4.58	25
Ethylbenzene	3.75	3.64	3.68	97.1	98.1	70.0-130			1.09	25
4-Ethyltoluene	3.75	3.72	3.75	99.2	100	70.0-130			0.803	25
Trichlorofluoromethane	3.75	3.58	3.60	95.5	96.0	70.0-130			0.557	25
Dichlorodifluoromethane	3.75	3.59	3.66	95.7	97.6	64.0-139			1.93	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018311-1 12/29/23 08:48 • (LCSD) R4018311-2 12/29/23 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	3.59	94.1	95.7	70.0-130			1.69	25
1,2-Dichlorotetrafluoroethane	3.75	3.56	3.61	94.9	96.3	70.0-130			1.39	25
Heptane	3.75	3.60	3.74	96.0	99.7	70.0-130			3.81	25
Hexachloro-1,3-butadiene	3.75	3.55	3.51	94.7	93.6	70.0-151			1.13	25
n-Hexane	3.75	3.40	3.46	90.7	92.3	70.0-130			1.75	25
Isopropylbenzene	3.75	3.70	3.73	98.7	99.5	70.0-130			0.808	25
Methylene Chloride	3.75	3.19	3.28	85.1	87.5	70.0-130			2.78	25
Methyl Butyl Ketone	3.75	3.97	3.99	106	106	70.0-149			0.503	25
2-Butanone (MEK)	3.75	3.61	3.74	96.3	99.7	70.0-130			3.54	25
4-Methyl-2-pentanone (MIBK)	3.75	3.67	3.69	97.9	98.4	70.0-139			0.543	25
Methyl methacrylate	3.75	3.51	3.60	93.6	96.0	70.0-130			2.53	25
MTBE	3.75	3.43	3.48	91.5	92.8	70.0-130			1.45	25
Naphthalene	3.75	3.81	3.94	102	105	70.0-159			3.35	25
Nonane	3.75	3.65	3.76	97.3	100	70.0-130			2.97	25
Pentane	3.75	3.60	3.67	96.0	97.9	70.0-130			1.93	25
2-Propanol	3.75	3.31	3.33	88.3	88.8	70.0-139			0.602	25
Propene	3.75	3.51	3.64	93.6	97.1	64.0-144			3.64	25
Styrene	3.75	3.67	3.76	97.9	100	70.0-130			2.42	25
1,1,2,2-Tetrachloroethane	3.75	3.77	3.81	101	102	70.0-130			1.06	25
Tetrachloroethylene	3.75	3.46	3.59	92.3	95.7	70.0-130			3.69	25
Tetrahydrofuran	3.75	3.58	3.69	95.5	98.4	70.0-137			3.03	25
Toluene	3.75	3.50	3.53	93.3	94.1	70.0-130			0.853	25
1,2,4-Trichlorobenzene	3.75	3.61	3.66	96.3	97.6	70.0-160			1.38	25
1,1,1-Trichloroethane	3.75	3.46	3.53	92.3	94.1	70.0-130			2.00	25
1,1,2-Trichloroethane	3.75	3.65	3.66	97.3	97.6	70.0-130			0.274	25
Trichloroethylene	3.75	3.55	3.59	94.7	95.7	70.0-130			1.12	25
1,2,4-Trimethylbenzene	3.75	3.73	3.79	99.5	101	70.0-130			1.60	25
1,3,5-Trimethylbenzene	3.75	3.68	3.77	98.1	101	70.0-130			2.42	25
2,2,4-Trimethylpentane	3.75	3.54	3.57	94.4	95.2	70.0-130			0.844	25
Vinyl chloride	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
Vinyl Bromide	3.75	3.48	3.53	92.8	94.1	70.0-130			1.43	25
Vinyl acetate	3.75	3.42	3.51	91.2	93.6	70.0-130			2.60	25
m&p-Xylene	7.50	7.23	7.34	96.4	97.9	70.0-130			1.51	25
o-Xylene	3.75	3.66	3.73	97.6	99.5	70.0-130			1.89	25
(S) 1,4-Bromofluorobenzene				*99.9*	*100*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

D177

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault; Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal: Dispose after 2X hold time ☑ 11692088

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method TO-15	Method	Method	Method	Matrix
MTWA 1226 MC001	01049	02307	12/26	1952	12/27	2002	-28	-1	DM	✓				A -01
MTWA 1226 MC002	02320	15685	12/26	2010	12/27	1939	-29	-1	DM	✓				A -02
MTWA 1226 MC003	02186	11694	12/26	2032	12/27	2022	-29	-2	DM	✓				A -03
MTWA 1226 MC004	11834	29198	12/26	2051	12/27	2036	-30	-4	DM	✓				A -04
MTWA 1225 MC001	01025	23469	12/25	2012	12/26	1934	-29	-4	DM	✓				A -05
MTWA 1225 MC002	09785	29331	12/25	1952	12/26	2005	-29	-2	DM	✓				A -06
MTWA 1225 MC003	14431	11717	12/25	2032	12/26	2026	-28	-4	DM	✓				A -07
MTWA 1225 MC004	13311	21256	12/25	2048	12/26	2047	-28	-4	DM	✓				A -08

DM

DM

DM

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Gaynell Wells	12/28/1230	FedEx	12/28/1230
		Brenda Agnew	12/29/23 0900

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
7886 4046 3378
T/P#:

SDG #

Page 1 of 1

ANALYTICAL REPORT

January 04, 2024

CTEH - ER

Sample Delivery Group:	L1692585
Samples Received:	01/03/2024
Project Number:	032692
Description:	

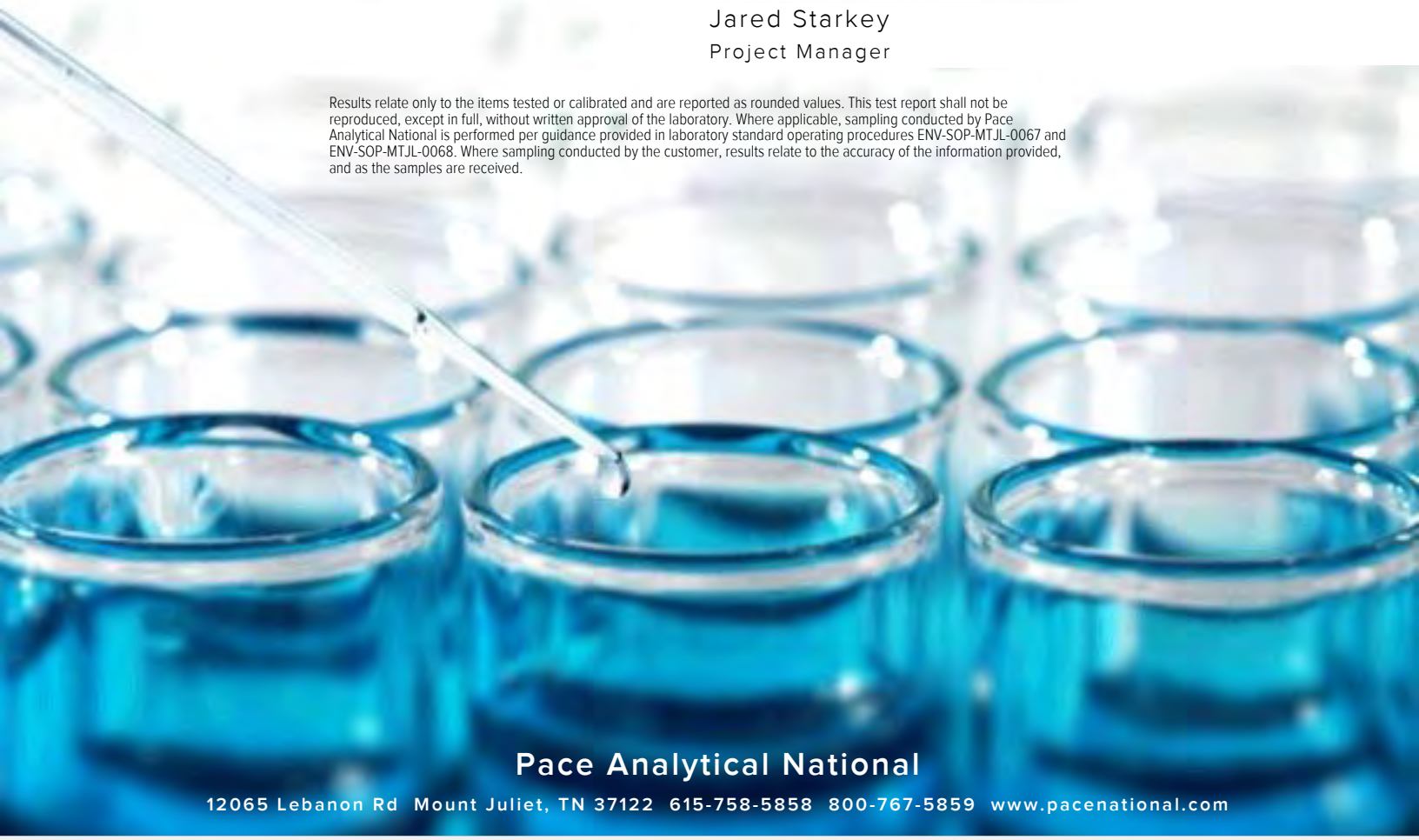
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA1227MC001 L1692585-01 Air

Collected by: DA | Collected date/time: 12/28/23 20:17 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 14:13	01/03/24 14:13	DAH	Mt. Juliet, TN

MTWA1227MC002 L1692585-02 Air

Collected by: DA | Collected date/time: 12/28/23 19:58 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 14:42	01/03/24 14:42	DAH	Mt. Juliet, TN

MTWA1227MC003 L1692585-03 Air

Collected by: DA | Collected date/time: 12/28/23 20:31 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 15:11	01/03/24 15:11	DAH	Mt. Juliet, TN

MTWA1227MC004 L1692585-04 Air

Collected by: DA | Collected date/time: 12/28/23 20:38 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 15:39	01/03/24 15:39	DAH	Mt. Juliet, TN

MTWA1228MC001 L1692585-05 Air

Collected by: DA | Collected date/time: 12/29/23 21:39 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 16:08	01/03/24 16:08	DAH	Mt. Juliet, TN

MTWA1228MC002 L1692585-06 Air

Collected by: DA | Collected date/time: 12/29/23 21:52 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 16:36	01/03/24 16:36	DAH	Mt. Juliet, TN

MTWA1228MC003 L1692585-07 Air

Collected by: DA | Collected date/time: 12/29/23 22:16 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 17:05	01/03/24 17:05	DAH	Mt. Juliet, TN

MTWA1228MC004 L1692585-08 Air

Collected by: DA | Collected date/time: 12/29/23 22:35 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 17:34	01/03/24 17:34	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2199952	Ethanol	L1692585-02, 04, 06

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1227MC001	L1692585-01	Acetone	67-64-1	58.10	1.25	2.97	4.32	10.3		1	WG2199952
MTWA1227MC001	L1692585-01	Benzene	71-43-2	78.10	0.200	0.639	0.396	1.26		1	WG2199952
MTWA1227MC001	L1692585-01	Butane	106-97-8	58	0.200	0.474	0.311	0.738		1	WG2199952
MTWA1227MC001	L1692585-01	Chloromethane	74-87-3	50.50	0.200	0.413	1.03	2.13		1	WG2199952
MTWA1227MC001	L1692585-01	Ethanol	64-17-5	46.10	2.50	4.71	7.59	14.3		1	WG2199952
MTWA1227MC001	L1692585-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.404	2.00		1	WG2199952
MTWA1227MC001	L1692585-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.232	0.806		1	WG2199952
MTWA1227MC001	L1692585-01	Pentane	109-66-0	72.15	0.200	0.590	0.252	0.744		1	WG2199952
MTWA1227MC001	L1692585-01	Toluene	108-88-3	92.10	0.500	1.88	1.34	5.05		1	WG2199952
MTWA1227MC002	L1692585-02	Acetone	67-64-1	58.10	1.25	2.97	4.24	10.1		1	WG2199952
MTWA1227MC002	L1692585-02	Butane	106-97-8	58	0.200	0.474	0.300	0.712		1	WG2199952
MTWA1227MC002	L1692585-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.479	0.989		1	WG2199952
MTWA1227MC002	L1692585-02	Ethanol	64-17-5	46.10	2.50	4.71	5.19	9.79	B	1	WG2199952
MTWA1227MC002	L1692585-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2199952
MTWA1227MC002	L1692585-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.431	2.13		1	WG2199952
MTWA1227MC002	L1692585-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.245	0.851		1	WG2199952
MTWA1227MC003	L1692585-03	Acetone	67-64-1	58.10	1.25	2.97	4.54	10.8		1	WG2199952
MTWA1227MC003	L1692585-03	Benzene	71-43-2	78.10	0.200	0.639	0.215	0.687		1	WG2199952
MTWA1227MC003	L1692585-03	Butane	106-97-8	58	0.200	0.474	0.362	0.859		1	WG2199952
MTWA1227MC003	L1692585-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.498	1.03		1	WG2199952
MTWA1227MC003	L1692585-03	Ethanol	64-17-5	46.10	2.50	4.71	9.05	17.1		1	WG2199952
MTWA1227MC003	L1692585-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.431	2.13		1	WG2199952
MTWA1227MC003	L1692585-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.244	0.847		1	WG2199952
MTWA1227MC003	L1692585-03	Toluene	108-88-3	92.10	0.500	1.88	0.945	3.56		1	WG2199952
MTWA1227MC004	L1692585-04	Acetone	67-64-1	58.10	1.25	2.97	2.48	5.89		1	WG2199952
MTWA1227MC004	L1692585-04	Butane	106-97-8	58	0.200	0.474	0.298	0.707		1	WG2199952
MTWA1227MC004	L1692585-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.494	1.02		1	WG2199952
MTWA1227MC004	L1692585-04	Ethanol	64-17-5	46.10	2.50	4.71	3.23	6.09	B	1	WG2199952
MTWA1227MC004	L1692585-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.203	1.14		1	WG2199952
MTWA1227MC004	L1692585-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.434	2.15		1	WG2199952
MTWA1227MC004	L1692585-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.236	0.819		1	WG2199952
MTWA1228MC001	L1692585-05	Acetone	67-64-1	58.10	1.25	2.97	5.92	14.1		1	WG2199952
MTWA1228MC001	L1692585-05	Benzene	71-43-2	78.10	0.200	0.639	0.340	1.09		1	WG2199952
MTWA1228MC001	L1692585-05	Butane	106-97-8	58	0.200	0.474	0.721	1.71		1	WG2199952
MTWA1228MC001	L1692585-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.497	1.03		1	WG2199952
MTWA1228MC001	L1692585-05	Cyclohexane	110-82-7	84.20	0.200	0.689	0.224	0.771		1	WG2199952
MTWA1228MC001	L1692585-05	Ethanol	64-17-5	46.10	2.50	4.71	21.9	41.3		1	WG2199952
MTWA1228MC001	L1692585-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.203	1.14		1	WG2199952
MTWA1228MC001	L1692585-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.433	2.14		1	WG2199952
MTWA1228MC001	L1692585-05	Heptane	142-82-5	100	0.200	0.818	0.224	0.916		1	WG2199952
MTWA1228MC001	L1692585-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.314	1.09		1	WG2199952
MTWA1228MC001	L1692585-05	Pentane	109-66-0	72.15	0.200	0.590	0.467	1.38		1	WG2199952
MTWA1228MC001	L1692585-05	Tetrahydrofuran	109-99-9	72.10	0.200	0.590	2.58	7.61		1	WG2199952
MTWA1228MC001	L1692585-05	Toluene	108-88-3	92.10	0.500	1.88	2.20	8.29		1	WG2199952
MTWA1228MC001	L1692585-05	m&p-Xylene	179601-23-1	106	0.400	1.73	0.473	2.05		1	WG2199952
MTWA1228MC002	L1692585-06	Acetone	67-64-1	58.10	1.25	2.97	2.73	6.49		1	WG2199952
MTWA1228MC002	L1692585-06	Butane	106-97-8	58	0.200	0.474	0.535	1.27		1	WG2199952
MTWA1228MC002	L1692585-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.477	0.985		1	WG2199952
MTWA1228MC002	L1692585-06	Ethanol	64-17-5	46.10	2.50	4.71	4.34	8.18	B	1	WG2199952
MTWA1228MC002	L1692585-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.209	1.17		1	WG2199952
MTWA1228MC002	L1692585-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2199952
MTWA1228MC002	L1692585-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.274	0.951		1	WG2199952
MTWA1228MC002	L1692585-06	Pentane	109-66-0	72.15	0.200	0.590	0.264	0.779		1	WG2199952

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA1228MC003	L1692585-07	Acetone	67-64-1	58.10	1.25	2.97	8.76	20.8		1	WG2199952
MTWA1228MC003	L1692585-07	Benzene	71-43-2	78.10	0.200	0.639	0.611	1.95		1	WG2199952
MTWA1228MC003	L1692585-07	Butane	106-97-8	58	0.200	0.474	0.890	2.11		1	WG2199952
MTWA1228MC003	L1692585-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.691	1.43		1	WG2199952
MTWA1228MC003	L1692585-07	Cyclohexane	110-82-7	84.20	0.200	0.689	0.309	1.06		1	WG2199952
MTWA1228MC003	L1692585-07	Ethanol	64-17-5	46.10	2.50	4.71	9.61	18.1		1	WG2199952
MTWA1228MC003	L1692585-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2199952
MTWA1228MC003	L1692585-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.453	2.24		1	WG2199952
MTWA1228MC003	L1692585-07	Heptane	142-82-5	100	0.200	0.818	0.282	1.15		1	WG2199952
MTWA1228MC003	L1692585-07	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.292	1.44		1	WG2199952
MTWA1228MC003	L1692585-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.270	0.938		1	WG2199952
MTWA1228MC003	L1692585-07	Pentane	109-66-0	72.15	0.200	0.590	0.517	1.53		1	WG2199952
MTWA1228MC003	L1692585-07	Toluene	108-88-3	92.10	0.500	1.88	1.77	6.67		1	WG2199952
MTWA1228MC003	L1692585-07	m&p-Xylene	179601-23-1	106	0.400	1.73	0.539	2.34		1	WG2199952
MTWA1228MC003	L1692585-07	o-Xylene	95-47-6	106	0.200	0.867	0.229	0.993		1	WG2199952
MTWA1228MC004	L1692585-08	Acetone	67-64-1	58.10	1.25	2.97	2.56	6.08		1	WG2199952
MTWA1228MC004	L1692585-08	Butane	106-97-8	58	0.200	0.474	0.681	1.62		1	WG2199952
MTWA1228MC004	L1692585-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.488	1.01		1	WG2199952
MTWA1228MC004	L1692585-08	Ethanol	64-17-5	46.10	2.50	4.71	6.60	12.4		1	WG2199952
MTWA1228MC004	L1692585-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206	1.16		1	WG2199952
MTWA1228MC004	L1692585-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.447	2.21		1	WG2199952
MTWA1228MC004	L1692585-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.515	1.79		1	WG2199952
MTWA1228MC004	L1692585-08	Pentane	109-66-0	72.15	0.200	0.590	0.453	1.34		1	WG2199952
MTWA1228MC004	L1692585-08	2-Propanol	67-63-0	60.10	1.25	3.07	1.51	3.71		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.32	10.3		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	0.396	1.26		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.311	0.738		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	1.03	2.13		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	7.59	14.3		1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.404	2.00		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.232	0.806		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	0.252	0.744		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	1.34	5.05		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.0*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.24	10.1		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.300	0.712		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.479	0.989		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	5.19	9.79	B	1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.431	2.13		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.245	0.851		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.0*				WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.54	10.8		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	0.215	0.687		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.362	0.859		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.498	1.03		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	9.05	17.1		1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.431	2.13		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.244	0.847		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	0.945	3.56		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.5*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.48	5.89		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.298	0.707		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.494	1.02		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	3.23	6.09	B	1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.203	1.14		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.434	2.15		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.236	0.819		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.5*				WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.92	14.1		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	0.340	1.09		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.721	1.71		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.497	1.03		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	0.224	0.771		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	21.9	41.3		1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.203	1.14		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.433	2.14		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	0.224	0.916		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.314	1.09		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	0.467	1.38		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	2.58	7.61		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	2.20	8.29		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	0.473	2.05		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.2*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.73	6.49		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.535	1.27		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.477	0.985		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	4.34	8.18	B	1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.209	1.17		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.274	0.951		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	0.264	0.779		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.0*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.76	20.8		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	0.611	1.95		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.890	2.11		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.691	1.43		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	0.309	1.06		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	9.61	18.1		1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.453	2.24		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	0.282	1.15		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.292	1.44		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.270	0.938		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	0.517	1.53		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	1.77	6.67		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	0.539	2.34		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	0.229	0.993		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.3*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.56	6.08		1	WG2199952
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2199952
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2199952
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2199952
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2199952
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2199952
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2199952
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2199952
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2199952
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2199952
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2199952
Butane	106-97-8	58	0.200	0.474	0.681	1.62		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2199952
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2199952
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2199952
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2199952
Chloromethane	74-87-3	50.50	0.200	0.413	0.488	1.01		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2199952
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2199952
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2199952
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2199952
Ethanol	64-17-5	46.10	2.50	4.71	6.60	12.4		1	WG2199952
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206	1.16		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.447	2.21		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2199952
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2199952
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.515	1.79		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2199952
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2199952
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2199952
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2199952
Pentane	109-66-0	72.15	0.200	0.590	0.453	1.34		1	WG2199952
2-Propanol	67-63-0	60.10	1.25	3.07	1.51	3.71		1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2199952
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2199952
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2199952
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2199952
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2199952
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.6*				WG2199952

Method Blank (MB)

(MB) R4019540-3 01/03/24 11:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.570	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4019540-3 01/03/24 11:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019540-1 01/03/24 08:30 • (LCSD) R4019540-2 01/03/24 10:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.27	3.20	87.2	85.3	70.0-130			2.16	25
Acetonitrile	18.8	17.5	16.9	93.1	89.9	70.0-130			3.49	25
Acrylonitrile	3.75	3.48	3.29	92.8	87.7	70.0-130			5.61	25
Allyl chloride	3.75	3.64	3.52	97.1	93.9	70.0-130			3.35	25
Benzene	3.75	3.91	3.84	104	102	70.0-130			1.81	25
Benzyl Chloride	3.75	4.32	4.29	115	114	70.0-152			0.697	25
Bromodichloromethane	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Bromoform	3.75	3.28	3.40	87.5	90.7	70.0-130			3.59	25
Bromomethane	3.75	3.43	3.30	91.5	88.0	70.0-130			3.86	25
Bromoethane	3.75	3.44	3.35	91.7	89.3	70.0-130			2.65	25
1,3-Butadiene	3.75	3.41	3.30	90.9	88.0	70.0-130			3.28	25
Butane	3.75	3.35	3.24	89.3	86.4	70.0-130			3.34	25
Carbon disulfide	3.75	3.67	3.65	97.9	97.3	70.0-130			0.546	25
Carbon tetrachloride	3.75	4.16	4.15	111	111	70.0-130			0.241	25
Chlorobenzene	3.75	3.94	3.86	105	103	70.0-130			2.05	25
Chloroethane	3.75	3.40	3.29	90.7	87.7	70.0-130			3.29	25
Chloroform	3.75	3.86	3.78	103	101	70.0-130			2.09	25
Chloromethane	3.75	3.37	3.26	89.9	86.9	70.0-130			3.32	25
2-Chlorotoluene	3.75	4.11	4.02	110	107	70.0-130			2.21	25
Cyclohexane	3.75	4.00	3.89	107	104	70.0-130			2.79	25
n-Decane	3.75	4.21	4.18	112	111	70.0-130			0.715	25
Dibromochloromethane	3.75	3.86	3.93	103	105	70.0-130			1.80	25
1,2-Dibromoethane	3.75	3.97	3.89	106	104	70.0-130			2.04	25
1,2-Dichlorobenzene	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
1,3-Dichlorobenzene	3.75	3.73	3.62	99.5	96.5	70.0-130			2.99	25
1,4-Dichlorobenzene	3.75	3.69	3.62	98.4	96.5	70.0-130			1.92	25
1,2-Dichloroethane	3.75	3.83	3.73	102	99.5	70.0-130			2.65	25
1,1-Dichloroethane	3.75	3.93	3.85	105	103	70.0-130			2.06	25
1,1-Dichloroethene	3.75	3.53	3.36	94.1	89.6	70.0-130			4.93	25
cis-1,2-Dichloroethene	3.75	3.93	3.83	105	102	70.0-130			2.58	25
trans-1,2-Dichloroethene	3.75	3.47	3.37	92.5	89.9	70.0-130			2.92	25
1,2-Dichloropropane	3.75	3.84	3.75	102	100	70.0-130			2.37	25
cis-1,3-Dichloropropene	3.75	4.08	4.04	109	108	70.0-130			0.985	25
trans-1,3-Dichloropropene	3.75	4.13	4.06	110	108	70.0-130			1.71	25
1,4-Dioxane	3.75	4.01	3.81	107	102	70.0-140			5.12	25
Ethanol	3.75	3.52	3.32	93.9	88.5	55.0-148			5.85	25
Ethylbenzene	3.75	4.17	4.08	111	109	70.0-130			2.18	25
4-Ethyltoluene	3.75	4.32	4.21	115	112	70.0-130			2.58	25
Trichlorofluoromethane	3.75	3.61	3.53	96.3	94.1	70.0-130			2.24	25
Dichlorodifluoromethane	3.75	3.47	3.37	92.5	89.9	64.0-139			2.92	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019540-1 01/03/24 08:30 • (LCSD) R4019540-2 01/03/24 10:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
1,2-Dichlorotetrafluoroethane	3.75	3.47	3.34	92.5	89.1	70.0-130			3.82	25
Heptane	3.75	3.82	3.70	102	98.7	70.0-130			3.19	25
Hexachloro-1,3-butadiene	3.75	3.87	3.86	103	103	70.0-151			0.259	25
n-Hexane	3.75	3.96	3.81	106	102	70.0-130			3.86	25
Isopropylbenzene	3.75	4.16	4.12	111	110	70.0-130			0.966	25
Methylene Chloride	3.75	3.36	3.23	89.6	86.1	70.0-130			3.95	25
Methyl Butyl Ketone	3.75	3.86	3.83	103	102	70.0-149			0.780	25
2-Butanone (MEK)	3.75	4.09	4.02	109	107	70.0-130			1.73	25
4-Methyl-2-pentanone (MIBK)	3.75	3.88	3.78	103	101	70.0-139			2.61	25
Methyl methacrylate	3.75	4.00	3.93	107	105	70.0-130			1.77	25
MTBE	3.75	4.12	4.05	110	108	70.0-130			1.71	25
Naphthalene	3.75	4.40	4.36	117	116	70.0-159			0.913	25
Nonane	3.75	3.97	3.88	106	103	70.0-130			2.29	25
Pentane	3.75	3.36	3.22	89.6	85.9	70.0-130			4.26	25
2-Propanol	3.75	3.25	3.11	86.7	82.9	70.0-139			4.40	25
Propene	3.75	3.60	3.55	96.0	94.7	64.0-144			1.40	25
Styrene	3.75	4.28	4.20	114	112	70.0-130			1.89	25
1,1,2,2-Tetrachloroethane	3.75	3.89	3.83	104	102	70.0-130			1.55	25
Tetrachloroethylene	3.75	3.58	3.47	95.5	92.5	70.0-130			3.12	25
Tetrahydrofuran	3.75	3.72	3.60	99.2	96.0	70.0-137			3.28	25
Toluene	3.75	3.99	3.86	106	103	70.0-130			3.31	25
1,2,4-Trichlorobenzene	3.75	3.87	3.85	103	103	70.0-160			0.518	25
1,1,1-Trichloroethane	3.75	4.01	3.94	107	105	70.0-130			1.76	25
1,1,2-Trichloroethane	3.75	3.87	3.81	103	102	70.0-130			1.56	25
Trichloroethylene	3.75	3.91	3.86	104	103	70.0-130			1.29	25
1,2,4-Trimethylbenzene	3.75	4.30	4.21	115	112	70.0-130			2.12	25
1,3,5-Trimethylbenzene	3.75	4.31	4.21	115	112	70.0-130			2.35	25
2,2,4-Trimethylpentane	3.75	3.95	3.86	105	103	70.0-130			2.30	25
Vinyl chloride	3.75	3.43	3.28	91.5	87.5	70.0-130			4.47	25
Vinyl Bromide	3.75	3.46	3.37	92.3	89.9	70.0-130			2.64	25
Vinyl acetate	3.75	3.85	3.73	103	99.5	70.0-130			3.17	25
m&p-Xylene	7.50	8.43	8.21	112	109	70.0-130			2.64	25
o-Xylene	3.75	4.19	4.08	112	109	70.0-130			2.66	25
(S) 1,4-Bromofluorobenzene				*99.3*	*99.1*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

E160

CTEH
THE SCIENCE OF READY℠

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # Ø 32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LL692585

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1227MCØØ1	Ø11119	Ø15392	12/27/23	2ØØ6	12/28/23	2Ø17	-29	Ø	DA	✓				A-01
MTWA1227MCØØ2	ØØ8147	Ø12483	12/27/23	1946	12/28/23	1958	-27	Ø	DA	✓				A-02
MTWA1227MCØØ3	ØØ9965	Ø15699	12/27/23	2Ø26	12/28/23	2Ø31	-29	Ø	DA	✓				A-03
MTWA1227MCØØ4	Ø28Ø1Ø	Ø21211	12/27/23	2Ø41	12/28/23	2Ø38	-29	-3	DA	✓				A-04
MTWA1228MCØØ1	ØØ8155	Ø28278	12/28/23	2222	12/29/23	2139	-3Ø	-1	DA	✓				A-05
MTWA1228MCØØ2	Ø29391	Ø11445	12/28/23	2205	12/29/23	2152	-29	-4	DA	✓				A-06
MTWA1228MCØØ3	Ø15636	Ø292Ø8	12/28/23	2237	12/29/23	2216	-3Ø	-3	DA	✓				A-07
MTWA1228MCØØ4	Ø11Ø94	ØØ95Ø4	12/28/23	225Ø	12/29/23	2235	-3Ø	-5	DA	✓				A-08

DA

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
[signature]	01.02/9:00	FedEx	01.02/1005
		[signature]	1.3.24/0500

Sample Receipt Checklist
COC Seal Present/Intact: ✓ Y ✓ N Airs
COC Signed/Accurate: ✓ Y ✓ N Size: ✓ 1L 6L 1.4L
Bottles arrive intact: ✓ Y ✓ N Tage Color: G W P B
Correct bottles used: ✓ Y ✓ N Tubing Shunt
7887 7755 6162
T/P#:

SDG #

ANALYTICAL REPORT

February 23, 2024

Revised Report

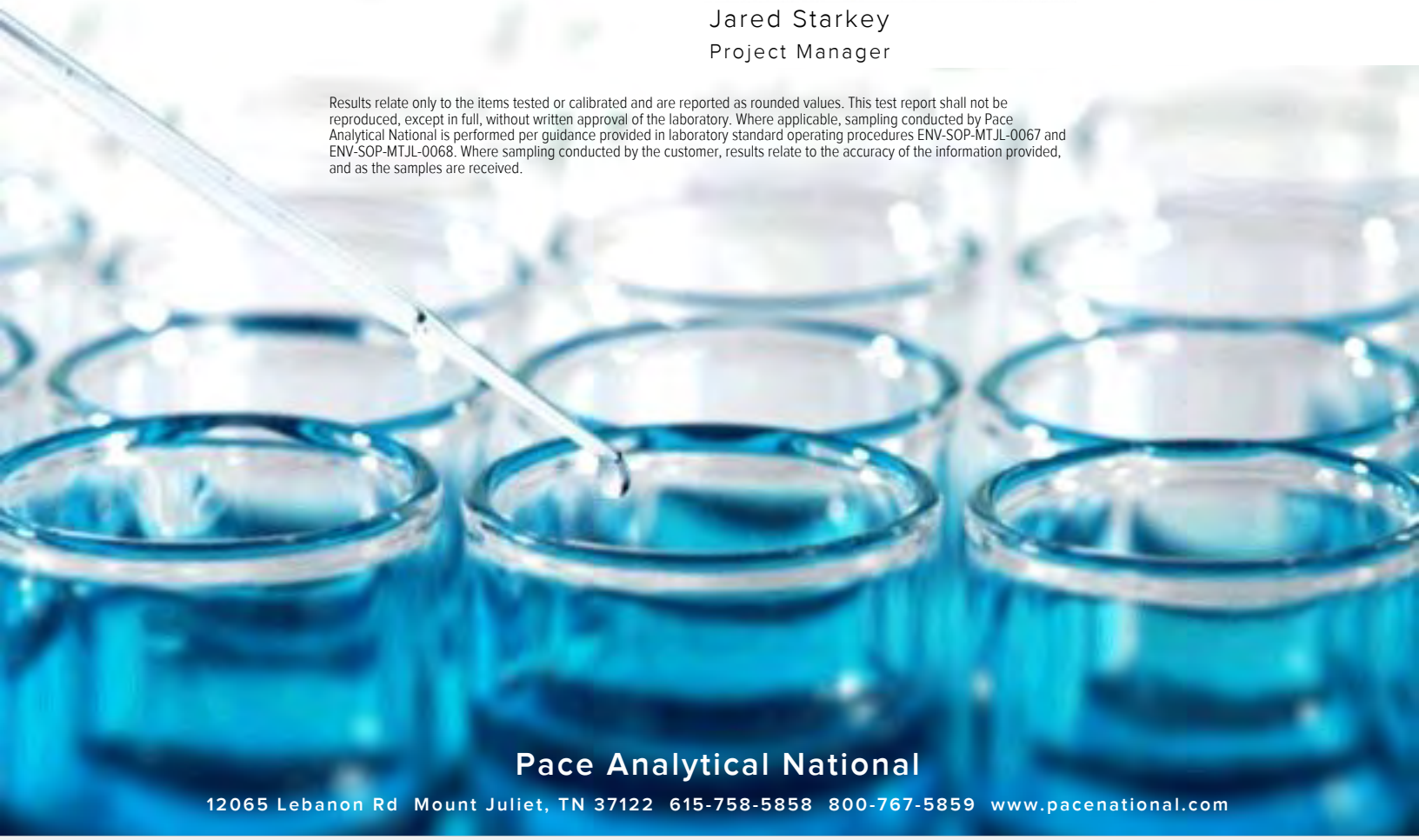
CTEH - ER

Sample Delivery Group:	L1692587
Samples Received:	01/03/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1229MC001 L1692587-01 Air

Collected by: DA | Collected date/time: 12/30/23 20:44 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 18:02	01/03/24 18:02	DAH	Mt. Juliet, TN

MTWA1229MC002 L1692587-02 Air

Collected by: DA | Collected date/time: 12/30/23 21:03 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 18:30	01/03/24 18:30	DAH	Mt. Juliet, TN

MTWA1229MC002CL L1692587-03 Air

Collected by: DA | Collected date/time: 12/30/23 21:08 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 19:00	01/03/24 19:00	DAH	Mt. Juliet, TN

MTWA1229MC003 L1692587-04 Air

Collected by: DA | Collected date/time: 12/30/23 21:34 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 19:28	01/03/24 19:28	DAH	Mt. Juliet, TN

MTWA1229MC004 L1692587-05 Air

Collected by: DA | Collected date/time: 12/30/23 21:58 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 19:57	01/03/24 19:57	DAH	Mt. Juliet, TN

MTWA1230MC001 L1692587-06 Air

Collected by: DA | Collected date/time: 12/31/23 19:22 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 20:25	01/03/24 20:25	DAH	Mt. Juliet, TN

MTWA1230MC002 L1692587-07 Air

Collected by: DA | Collected date/time: 12/31/23 19:47 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 20:53	01/03/24 20:53	DAH	Mt. Juliet, TN

MTWA1230MC003 L1692587-08 Air

Collected by: DA | Collected date/time: 12/31/23 20:09 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 21:22	01/03/24 21:22	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 01/04/24 11:13

Project Comments

MDL Reporting

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2199952	L1692587-05	Ethanol
WG2199952	L1692587-06	Ethanol

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1229MC001	L1692587-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.78	6.61		1	WG2199952
MTWA1229MC001	L1692587-01	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.82	3.95	J	1	WG2199952
MTWA1229MC001	L1692587-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.146	0.466	J	1	WG2199952
MTWA1229MC001	L1692587-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.363	0.861		1	WG2199952
MTWA1229MC001	L1692587-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0751	0.473	J	1	WG2199952
MTWA1229MC001	L1692587-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.494	1.02		1	WG2199952
MTWA1229MC001	L1692587-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.30	15.6		1	WG2199952
MTWA1229MC001	L1692587-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2199952
MTWA1229MC001	L1692587-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.461	2.28		1	WG2199952
MTWA1229MC001	L1692587-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.296	1.03		1	WG2199952
MTWA1229MC001	L1692587-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.188	0.554	J	1	WG2199952
MTWA1229MC001	L1692587-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.376	1.11		1	WG2199952
MTWA1229MC001	L1692587-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.53	3.76		1	WG2199952
MTWA1229MC001	L1692587-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.460	1.73	J	1	WG2199952
MTWA1229MC001	L1692587-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.145	0.629	J	1	WG2199952
MTWA1229MC002	L1692587-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.31	17.4		1	WG2199952
MTWA1229MC002	L1692587-02	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	7.28	15.8		1	WG2199952
MTWA1229MC002	L1692587-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.234	0.747		1	WG2199952
MTWA1229MC002	L1692587-02	Butane	106-97-8	58	0.0522	0.200	0.474	2.16	5.12		1	WG2199952
MTWA1229MC002	L1692587-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.526	1.09		1	WG2199952
MTWA1229MC002	L1692587-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0794	0.273	J	1	WG2199952
MTWA1229MC002	L1692587-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	39.9	75.2		1	WG2199952
MTWA1229MC002	L1692587-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.124	0.538	J	1	WG2199952
MTWA1229MC002	L1692587-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.211	1.19		1	WG2199952
MTWA1229MC002	L1692587-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.466	2.30		1	WG2199952
MTWA1229MC002	L1692587-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.454	1.58		1	WG2199952
MTWA1229MC002	L1692587-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.709	2.09	J	1	WG2199952
MTWA1229MC002	L1692587-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.46	10.2		1	WG2199952
MTWA1229MC002	L1692587-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.33	8.19		1	WG2199952
MTWA1229MC002	L1692587-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.11	11.7		1	WG2199952
MTWA1229MC002	L1692587-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.443	1.92		1	WG2199952
MTWA1229MC002	L1692587-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.155	0.672	J	1	WG2199952
MTWA1229MC002CL	L1692587-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	12.5	29.7		1	WG2199952
MTWA1229MC002CL	L1692587-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.312	0.997		1	WG2199952
MTWA1229MC002CL	L1692587-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.392	0.930		1	WG2199952
MTWA1229MC002CL	L1692587-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0766	0.482	J	1	WG2199952
MTWA1229MC002CL	L1692587-03	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.573	1.51		1	WG2199952
MTWA1229MC002CL	L1692587-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.682	1.41		1	WG2199952
MTWA1229MC002CL	L1692587-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	26.1	49.2		1	WG2199952
MTWA1229MC002CL	L1692587-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2199952
MTWA1229MC002CL	L1692587-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.455	2.25		1	WG2199952
MTWA1229MC002CL	L1692587-03	Heptane	142-82-5	100	0.104	0.200	0.818	0.117	0.479	J	1	WG2199952
MTWA1229MC002CL	L1692587-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.345	1.20		1	WG2199952
MTWA1229MC002CL	L1692587-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.740	2.18	J	1	WG2199952
MTWA1229MC002CL	L1692587-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.77	4.35		1	WG2199952
MTWA1229MC002CL	L1692587-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.64	6.18		1	WG2199952

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1229MC003	L1692587-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.34	7.94		1	WG2199952
MTWA1229MC003	L1692587-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.156	0.498	J	1	WG2199952
MTWA1229MC003	L1692587-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.485	1.15		1	WG2199952
MTWA1229MC003	L1692587-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.547	1.13		1	WG2199952
MTWA1229MC003	L1692587-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.89	11.1		1	WG2199952
MTWA1229MC003	L1692587-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2199952
MTWA1229MC003	L1692587-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.484	2.39		1	WG2199952
MTWA1229MC003	L1692587-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.350	1.22		1	WG2199952
MTWA1229MC003	L1692587-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.352	1.04	J	1	WG2199952
MTWA1229MC003	L1692587-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.215	0.634		1	WG2199952
MTWA1229MC003	L1692587-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.793	1.95	J	1	WG2199952
MTWA1229MC003	L1692587-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.321	1.21	J	1	WG2199952
MTWA1229MC004	L1692587-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	10.8	25.7		1	WG2199952
MTWA1229MC004	L1692587-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.539	1.72		1	WG2199952
MTWA1229MC004	L1692587-05	Butane	106-97-8	58	0.0522	0.200	0.474	6.73	16.0		1	WG2199952
MTWA1229MC004	L1692587-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0751	0.473	J	1	WG2199952
MTWA1229MC004	L1692587-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.485	1.00		1	WG2199952
MTWA1229MC004	L1692587-05	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.330	1.14		1	WG2199952
MTWA1229MC004	L1692587-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	160	302	E	1	WG2199952
MTWA1229MC004	L1692587-05	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.196	0.850	J	1	WG2199952
MTWA1229MC004	L1692587-05	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0866	0.425	J	1	WG2199952
MTWA1229MC004	L1692587-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.227	1.28		1	WG2199952
MTWA1229MC004	L1692587-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.474	2.34		1	WG2199952
MTWA1229MC004	L1692587-05	Heptane	142-82-5	100	0.104	0.200	0.818	0.663	2.71		1	WG2199952
MTWA1229MC004	L1692587-05	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	15.8	55.7		1	WG2199952
MTWA1229MC004	L1692587-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	30.6	106		1	WG2199952
MTWA1229MC004	L1692587-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.299	0.882	J	1	WG2199952
MTWA1229MC004	L1692587-05	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0733	0.385	J	1	WG2199952
MTWA1229MC004	L1692587-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	8.05	23.8		1	WG2199952
MTWA1229MC004	L1692587-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	25.4	62.4		1	WG2199952
MTWA1229MC004	L1692587-05	Styrene	100-42-5	104	0.0788	0.200	0.851	0.0897	0.382	J	1	WG2199952
MTWA1229MC004	L1692587-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.21	8.32		1	WG2199952
MTWA1229MC004	L1692587-05	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.138	0.677	J	1	WG2199952
MTWA1229MC004	L1692587-05	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.349	1.63		1	WG2199952
MTWA1229MC004	L1692587-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.577	2.50		1	WG2199952
MTWA1229MC004	L1692587-05	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.224	0.971		1	WG2199952
MTWA1230MC001	L1692587-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	11.4	27.1		1	WG2199952
MTWA1230MC001	L1692587-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.583	1.86		1	WG2199952
MTWA1230MC001	L1692587-06	Butane	106-97-8	58	0.0522	0.200	0.474	8.86	21.0		1	WG2199952
MTWA1230MC001	L1692587-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.473	0.977		1	WG2199952
MTWA1230MC001	L1692587-06	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.340	1.17		1	WG2199952
MTWA1230MC001	L1692587-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	165	311	E	1	WG2199952
MTWA1230MC001	L1692587-06	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.207	0.897		1	WG2199952
MTWA1230MC001	L1692587-06	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0925	0.454	J	1	WG2199952
MTWA1230MC001	L1692587-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG2199952
MTWA1230MC001	L1692587-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.480	2.37		1	WG2199952
MTWA1230MC001	L1692587-06	Heptane	142-82-5	100	0.104	0.200	0.818	0.751	3.07		1	WG2199952
MTWA1230MC001	L1692587-06	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	15.2	53.6		1	WG2199952
MTWA1230MC001	L1692587-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	29.4	102		1	WG2199952
MTWA1230MC001	L1692587-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.284	0.837	J	1	WG2199952
MTWA1230MC001	L1692587-06	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0744	0.390	J	1	WG2199952
MTWA1230MC001	L1692587-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	8.29	24.5		1	WG2199952
MTWA1230MC001	L1692587-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	25.6	62.9		1	WG2199952
MTWA1230MC001	L1692587-06	Styrene	100-42-5	104	0.0788	0.200	0.851	0.0883	0.376	J	1	WG2199952
MTWA1230MC001	L1692587-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.27	8.55		1	WG2199952
MTWA1230MC001	L1692587-06	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.137	0.672	J	1	WG2199952

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1230MC001	L1692587-06	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.395	1.85		1	WG2199952
MTWA1230MC001	L1692587-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.620	2.69		1	WG2199952
MTWA1230MC001	L1692587-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.236	1.02		1	WG2199952
MTWA1230MC002	L1692587-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.01	9.53		1	WG2199952
MTWA1230MC002	L1692587-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.147	0.470	J	1	WG2199952
MTWA1230MC002	L1692587-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.509	1.21		1	WG2199952
MTWA1230MC002	L1692587-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.508	1.05		1	WG2199952
MTWA1230MC002	L1692587-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.32	11.9		1	WG2199952
MTWA1230MC002	L1692587-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2199952
MTWA1230MC002	L1692587-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.491	2.43		1	WG2199952
MTWA1230MC002	L1692587-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.341	1.18		1	WG2199952
MTWA1230MC002	L1692587-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.327	0.964	J	1	WG2199952
MTWA1230MC002	L1692587-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.429	1.27		1	WG2199952
MTWA1230MC002	L1692587-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.43	3.52		1	WG2199952
MTWA1230MC002	L1692587-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.265	0.998	J	1	WG2199952
MTWA1230MC003	L1692587-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.39	12.8		1	WG2199952
MTWA1230MC003	L1692587-08	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.22	4.81	J	1	WG2199952
MTWA1230MC003	L1692587-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.195	0.623	J	1	WG2199952
MTWA1230MC003	L1692587-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.531	1.26		1	WG2199952
MTWA1230MC003	L1692587-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.507	1.05		1	WG2199952
MTWA1230MC003	L1692587-08	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.0904	0.358	J	1	WG2199952
MTWA1230MC003	L1692587-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.08	17.1		1	WG2199952
MTWA1230MC003	L1692587-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2199952
MTWA1230MC003	L1692587-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.500	2.47		1	WG2199952
MTWA1230MC003	L1692587-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.290	1.01		1	WG2199952
MTWA1230MC003	L1692587-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.436	1.29	J	1	WG2199952
MTWA1230MC003	L1692587-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.300	0.885		1	WG2199952
MTWA1230MC003	L1692587-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.859	2.11	J	1	WG2199952
MTWA1230MC003	L1692587-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.802	3.02		1	WG2199952

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Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.78	6.61		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.82	3.95	J	1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.146	0.466	J	1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.363	0.861		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0751	0.473	J	1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.494	1.02		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.30	15.6		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.461	2.28		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.296	1.03		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.188	0.554	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.376	1.11		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.53	3.76		1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.460	1.73	J	1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.145	0.629	J	1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.1*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.31	17.4		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	7.28	15.8		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.234	0.747		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	2.16	5.12		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.526	1.09		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0794	0.273	J	1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	39.9	75.2		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.124	0.538	J	1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.211	1.19		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.466	2.30		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.454	1.58		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.709	2.09	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.46	10.2		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.33	8.19		1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.11	11.7		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.443	1.92		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.155	0.672	J	1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.2*				WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	12.5	29.7		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.312	0.997		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.392	0.930		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0766	0.482	J	1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.573	1.51		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.682	1.41		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	26.1	49.2		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.455	2.25		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.117	0.479	J	1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.345	1.20		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.740	2.18	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.77	4.35		1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.64	6.18		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.6*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.34	7.94		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.156	0.498	J	1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.485	1.15		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.547	1.13		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.89	11.1		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.484	2.39		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.350	1.22		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.352	1.04	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.215	0.634		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.793	1.95	J	1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.321	1.21	J	1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.1*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	10.8	25.7		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.539	1.72		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	6.73	16.0		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0751	0.473	J	1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.485	1.00		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.330	1.14		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	160	302	E	1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.196	0.850	J	1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0866	0.425	J	1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.227	1.28		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.474	2.34		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.663	2.71		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	15.8	55.7		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	30.6	106		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.299	0.882	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0733	0.385	J	1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	8.05	23.8		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	25.4	62.4		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	0.0897	0.382	J	1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.21	8.32		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.138	0.677	J	1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.349	1.63		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.577	2.50		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.224	0.971		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.1*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	11.4	27.1		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.583	1.86		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	8.86	21.0		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.473	0.977		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.340	1.17		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	165	311	E	1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.207	0.897		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.0925	0.454	J	1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.480	2.37		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.751	3.07		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	15.2	53.6		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	29.4	102		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.284	0.837	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0744	0.390	J	1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	8.29	24.5		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	25.6	62.9		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	0.0883	0.376	J	1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.27	8.55		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.137	0.672	J	1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.395	1.85		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.620	2.69		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.236	1.02		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.5*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.01	9.53		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.147	0.470	J	1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.509	1.21		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.508	1.05		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.32	11.9		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.491	2.43		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.341	1.18		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.327	0.964	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.429	1.27		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.43	3.52		1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.265	0.998	J	1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.5*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.39	12.8		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.22	4.81	J	1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.195	0.623	J	1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.531	1.26		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.507	1.05		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.0904	0.358	J	1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.08	17.1		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.500	2.47		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.290	1.01		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.436	1.29	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.300	0.885		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.859	2.11	J	1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.802	3.02		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.0*				WG2199952

Method Blank (MB)

(MB) R4019540-3 01/03/24 11:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.570	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4019540-3 01/03/24 11:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019540-1 01/03/24 08:30 • (LCSD) R4019540-2 01/03/24 10:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.27	3.20	87.2	85.3	70.0-130			2.16	25
Acetonitrile	18.8	17.5	16.9	93.1	89.9	70.0-130			3.49	25
Acrylonitrile	3.75	3.48	3.29	92.8	87.7	70.0-130			5.61	25
Allyl chloride	3.75	3.64	3.52	97.1	93.9	70.0-130			3.35	25
Benzene	3.75	3.91	3.84	104	102	70.0-130			1.81	25
Benzyl Chloride	3.75	4.32	4.29	115	114	70.0-152			0.697	25
Bromodichloromethane	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Bromoform	3.75	3.28	3.40	87.5	90.7	70.0-130			3.59	25
Bromomethane	3.75	3.43	3.30	91.5	88.0	70.0-130			3.86	25
Bromoethane	3.75	3.44	3.35	91.7	89.3	70.0-130			2.65	25
1,3-Butadiene	3.75	3.41	3.30	90.9	88.0	70.0-130			3.28	25
Butane	3.75	3.35	3.24	89.3	86.4	70.0-130			3.34	25
Carbon disulfide	3.75	3.67	3.65	97.9	97.3	70.0-130			0.546	25
Carbon tetrachloride	3.75	4.16	4.15	111	111	70.0-130			0.241	25
Chlorobenzene	3.75	3.94	3.86	105	103	70.0-130			2.05	25
Chloroethane	3.75	3.40	3.29	90.7	87.7	70.0-130			3.29	25
Chloroform	3.75	3.86	3.78	103	101	70.0-130			2.09	25
Chloromethane	3.75	3.37	3.26	89.9	86.9	70.0-130			3.32	25
2-Chlorotoluene	3.75	4.11	4.02	110	107	70.0-130			2.21	25
Cyclohexane	3.75	4.00	3.89	107	104	70.0-130			2.79	25
n-Decane	3.75	4.21	4.18	112	111	70.0-130			0.715	25
Dibromochloromethane	3.75	3.86	3.93	103	105	70.0-130			1.80	25
1,2-Dibromoethane	3.75	3.97	3.89	106	104	70.0-130			2.04	25
1,2-Dichlorobenzene	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
1,3-Dichlorobenzene	3.75	3.73	3.62	99.5	96.5	70.0-130			2.99	25
1,4-Dichlorobenzene	3.75	3.69	3.62	98.4	96.5	70.0-130			1.92	25
1,2-Dichloroethane	3.75	3.83	3.73	102	99.5	70.0-130			2.65	25
1,1-Dichloroethane	3.75	3.93	3.85	105	103	70.0-130			2.06	25
1,1-Dichloroethene	3.75	3.53	3.36	94.1	89.6	70.0-130			4.93	25
cis-1,2-Dichloroethene	3.75	3.93	3.83	105	102	70.0-130			2.58	25
trans-1,2-Dichloroethene	3.75	3.47	3.37	92.5	89.9	70.0-130			2.92	25
1,2-Dichloropropane	3.75	3.84	3.75	102	100	70.0-130			2.37	25
cis-1,3-Dichloropropene	3.75	4.08	4.04	109	108	70.0-130			0.985	25
trans-1,3-Dichloropropene	3.75	4.13	4.06	110	108	70.0-130			1.71	25
1,4-Dioxane	3.75	4.01	3.81	107	102	70.0-140			5.12	25
Ethanol	3.75	3.52	3.32	93.9	88.5	55.0-148			5.85	25
Ethylbenzene	3.75	4.17	4.08	111	109	70.0-130			2.18	25
4-Ethyltoluene	3.75	4.32	4.21	115	112	70.0-130			2.58	25
Trichlorofluoromethane	3.75	3.61	3.53	96.3	94.1	70.0-130			2.24	25
Dichlorodifluoromethane	3.75	3.47	3.37	92.5	89.9	64.0-139			2.92	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019540-1 01/03/24 08:30 • (LCSD) R4019540-2 01/03/24 10:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
1,2-Dichlorotetrafluoroethane	3.75	3.47	3.34	92.5	89.1	70.0-130			3.82	25
Heptane	3.75	3.82	3.70	102	98.7	70.0-130			3.19	25
Hexachloro-1,3-butadiene	3.75	3.87	3.86	103	103	70.0-151			0.259	25
n-Hexane	3.75	3.96	3.81	106	102	70.0-130			3.86	25
Isopropylbenzene	3.75	4.16	4.12	111	110	70.0-130			0.966	25
Methylene Chloride	3.75	3.36	3.23	89.6	86.1	70.0-130			3.95	25
Methyl Butyl Ketone	3.75	3.86	3.83	103	102	70.0-149			0.780	25
2-Butanone (MEK)	3.75	4.09	4.02	109	107	70.0-130			1.73	25
4-Methyl-2-pentanone (MIBK)	3.75	3.88	3.78	103	101	70.0-139			2.61	25
Methyl methacrylate	3.75	4.00	3.93	107	105	70.0-130			1.77	25
MTBE	3.75	4.12	4.05	110	108	70.0-130			1.71	25
Naphthalene	3.75	4.40	4.36	117	116	70.0-159			0.913	25
Nonane	3.75	3.97	3.88	106	103	70.0-130			2.29	25
Pentane	3.75	3.36	3.22	89.6	85.9	70.0-130			4.26	25
2-Propanol	3.75	3.25	3.11	86.7	82.9	70.0-139			4.40	25
Propene	3.75	3.60	3.55	96.0	94.7	64.0-144			1.40	25
Styrene	3.75	4.28	4.20	114	112	70.0-130			1.89	25
1,1,2,2-Tetrachloroethane	3.75	3.89	3.83	104	102	70.0-130			1.55	25
Tetrachloroethylene	3.75	3.58	3.47	95.5	92.5	70.0-130			3.12	25
Tetrahydrofuran	3.75	3.72	3.60	99.2	96.0	70.0-137			3.28	25
Toluene	3.75	3.99	3.86	106	103	70.0-130			3.31	25
1,2,4-Trichlorobenzene	3.75	3.87	3.85	103	103	70.0-160			0.518	25
1,1,1-Trichloroethane	3.75	4.01	3.94	107	105	70.0-130			1.76	25
1,1,2-Trichloroethane	3.75	3.87	3.81	103	102	70.0-130			1.56	25
Trichloroethylene	3.75	3.91	3.86	104	103	70.0-130			1.29	25
1,2,4-Trimethylbenzene	3.75	4.30	4.21	115	112	70.0-130			2.12	25
1,3,5-Trimethylbenzene	3.75	4.31	4.21	115	112	70.0-130			2.35	25
2,2,4-Trimethylpentane	3.75	3.95	3.86	105	103	70.0-130			2.30	25
Vinyl chloride	3.75	3.43	3.28	91.5	87.5	70.0-130			4.47	25
Vinyl Bromide	3.75	3.46	3.37	92.3	89.9	70.0-130			2.64	25
Vinyl acetate	3.75	3.85	3.73	103	99.5	70.0-130			3.17	25
m&p-Xylene	7.50	8.43	8.21	112	109	70.0-130			2.64	25
o-Xylene	3.75	4.19	4.08	112	109	70.0-130			2.66	25
(S) 1,4-Bromofluorobenzene				*99.3*	*99.1*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

E161

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒

UL092567

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix
MTWA1229MC0001	028737	023515	12/29/23	2143	12/30/23	2044	-29	-4	DA	✓				A -01
MTWA1229MC0002	021196	023535	12/29/23	2157	12/30/23	2103	-26	-2	DA	✓				A -02
MTWA1229MC0002CL	013891	029307	12/29/23	2203	12/30/23	2108	-27	-8	DA	✓				A -03
MTWA1229MC0003	028020	009475	12/29/23	2221	12/30/23	2134	-28	-6	DA	✓				A -04
MTWA1229MC0004	010258	009703	12/29/23	2239	12/30/23	2158	-27	-5	DA	✓				A -05
MTWA1230MC0001	015648	009907	12/30/23	2051	12/31/23	1922	-27	-2	DA	✓				A -06
MTWA1230MC0002	029370	009515	12/30/23	2113	12/31/23	1947	-27	-4	DA	✓				A -07
MTWA1230MC0003	021188	028280	12/30/23	2139	12/31/23	2009	-28	-5	DA	✓				A -08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
	01.02/1005		
	02 01.02/19:05	Fed EX	01.02/1005
			1.3.24/0900

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume: Y N
Airs
Size: 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
7607 7 715 6165
T/F#:

SDG # _____

Page 1 of 1

ANALYTICAL REPORT

February 20, 2024

Revised Report

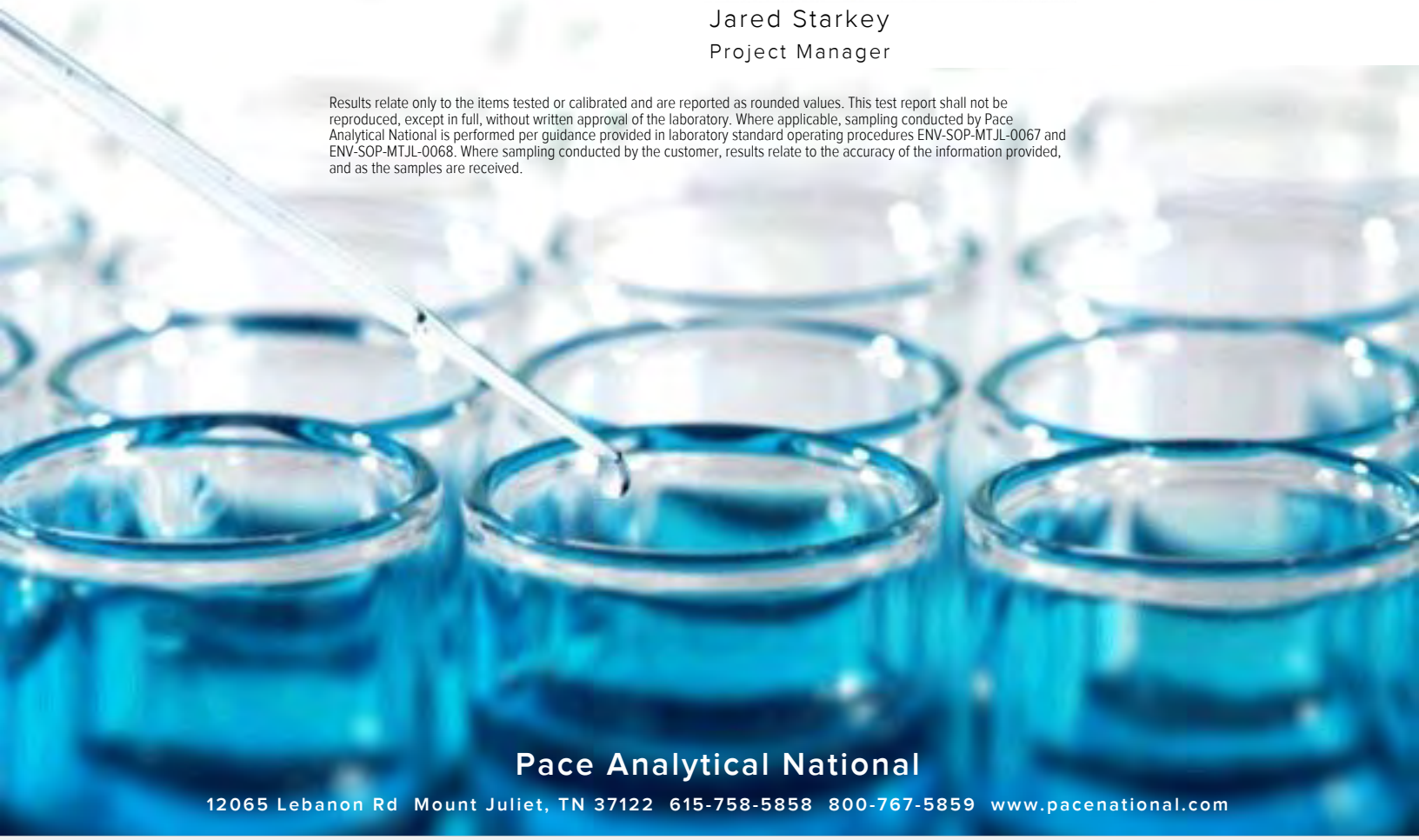
CTEH - ER

Sample Delivery Group:	L1692595
Samples Received:	01/03/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA1231MC001 L1692595-01 Air

Collected by: DA | Collected date/time: 01/01/24 18:59 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 21:50	01/03/24 21:50	DAH	Mt. Juliet, TN

MTWA1231MC001CL L1692595-02 Air

Collected by: DA | Collected date/time: 01/01/24 18:59 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 22:19	01/03/24 22:19	DAH	Mt. Juliet, TN

MTWA1231MC002 L1692595-03 Air

Collected by: DA | Collected date/time: 01/01/24 16:17 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 22:47	01/03/24 22:47	DAH	Mt. Juliet, TN

MTWA1231MC003 L1692595-04 Air

Collected by: DA | Collected date/time: 01/01/24 19:30 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199952	1	01/03/24 23:25	01/03/24 23:25	DAH	Mt. Juliet, TN

MTWA1231MC004 L1692595-05 Air

Collected by: DA | Collected date/time: 12/31/23 20:46 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199959	1	01/03/24 12:30	01/03/24 12:30	SDS	Mt. Juliet, TN

MTWA1231MC004B L1692595-06 Air

Collected by: DA | Collected date/time: 01/01/24 19:51 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199959	1	01/03/24 13:04	01/03/24 13:04	SDS	Mt. Juliet, TN

MTWA1230MC003CL L1692595-07 Air

Collected by: DA | Collected date/time: 12/31/23 20:04 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199959	1	01/03/24 13:39	01/03/24 13:39	SDS	Mt. Juliet, TN

MTWA1230MC004 L1692595-08 Air

Collected by: DA | Collected date/time: 12/31/23 14:44 | Received date/time: 01/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2199959	1	01/03/24 14:12	01/03/24 14:12	SDS	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 01/04/24 11:14

Project Comments

MDL Reporting

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2199952	Ethanol	L1692595-01, 04
WG2199959	Ethanol	L1692595-06, 08

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2199959	(LCS) R4019534-1, L1692595-05, 06, 07, 08	Acrylonitrile

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1231MC001	L1692595-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.03	9.58		1	WG2199952
MTWA1231MC001	L1692595-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.278	0.888		1	WG2199952
MTWA1231MC001	L1692595-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.688	1.63		1	WG2199952
MTWA1231MC001	L1692595-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.435	0.898		1	WG2199952
MTWA1231MC001	L1692595-01	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.160	0.551	J	1	WG2199952
MTWA1231MC001	L1692595-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.90	7.35	B	1	WG2199952
MTWA1231MC001	L1692595-01	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.114	0.494	J	1	WG2199952
MTWA1231MC001	L1692595-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2199952
MTWA1231MC001	L1692595-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.488	2.41		1	WG2199952
MTWA1231MC001	L1692595-01	Heptane	142-82-5	100	0.104	0.200	0.818	0.125	0.511	J	1	WG2199952
MTWA1231MC001	L1692595-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.209	0.737	J	1	WG2199952
MTWA1231MC001	L1692595-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.306	1.06		1	WG2199952
MTWA1231MC001	L1692595-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.148	0.436	J	1	WG2199952
MTWA1231MC001	L1692595-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.522	1.54		1	WG2199952
MTWA1231MC001	L1692595-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.475	1.17	J	1	WG2199952
MTWA1231MC001	L1692595-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.578	2.18		1	WG2199952
MTWA1231MC001	L1692595-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0848	0.416	J	1	WG2199952
MTWA1231MC001	L1692595-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.436	1.89		1	WG2199952
MTWA1231MC001	L1692595-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.213	0.923		1	WG2199952
MTWA1231MC001CL	L1692595-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	10.4	24.7		1	WG2199952
MTWA1231MC001CL	L1692595-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.09	3.48		1	WG2199952
MTWA1231MC001CL	L1692595-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.697	1.65		1	WG2199952
MTWA1231MC001CL	L1692595-02	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.113	0.352	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.144	0.380	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	2.11	4.36		1	WG2199952
MTWA1231MC001CL	L1692595-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.188	0.647	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.5	19.8		1	WG2199952
MTWA1231MC001CL	L1692595-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.0903	0.391	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2199952
MTWA1231MC001CL	L1692595-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2199952
MTWA1231MC001CL	L1692595-02	Heptane	142-82-5	100	0.104	0.200	0.818	0.186	0.761	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.293	1.44		1	WG2199952
MTWA1231MC001CL	L1692595-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.300	1.04		1	WG2199952
MTWA1231MC001CL	L1692595-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.562	1.66	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.436	1.29		1	WG2199952
MTWA1231MC001CL	L1692595-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.13	2.78	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Styrene	100-42-5	104	0.0788	0.200	0.851	0.0900	0.383	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.13	8.02		1	WG2199952
MTWA1231MC001CL	L1692595-02	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0914	0.449	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.320	1.39	J	1	WG2199952
MTWA1231MC001CL	L1692595-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.136	0.590	J	1	WG2199952
MTWA1231MC002	L1692595-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	15.9	37.8		1	WG2199952
MTWA1231MC002	L1692595-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.384	1.23		1	WG2199952
MTWA1231MC002	L1692595-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.631	1.50		1	WG2199952
MTWA1231MC002	L1692595-03	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.145	0.383	J	1	WG2199952
MTWA1231MC002	L1692595-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.485	1.00		1	WG2199952
MTWA1231MC002	L1692595-03	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.167	0.575	J	1	WG2199952
MTWA1231MC002	L1692595-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	17.4	32.8		1	WG2199952
MTWA1231MC002	L1692595-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2199952
MTWA1231MC002	L1692595-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.486	2.40		1	WG2199952
MTWA1231MC002	L1692595-03	Heptane	142-82-5	100	0.104	0.200	0.818	0.205	0.838		1	WG2199952
MTWA1231MC002	L1692595-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.392	1.38	J	1	WG2199952
MTWA1231MC002	L1692595-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.271	0.941		1	WG2199952
MTWA1231MC002	L1692595-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.911	2.69	J	1	WG2199952
MTWA1231MC002	L1692595-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.590	1.74		1	WG2199952
MTWA1231MC002	L1692595-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.06	2.61	J	1	WG2199952

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1231MC002	L1692595-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.20	4.52		1	WG2199952
MTWA1231MC002	L1692595-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.435	2.03		1	WG2199952
MTWA1231MC002	L1692595-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.324	1.40	J	1	WG2199952
MTWA1231MC002	L1692595-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.128	0.555	J	1	WG2199952
MTWA1231MC003	L1692595-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.64	8.65		1	WG2199952
MTWA1231MC003	L1692595-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.269	0.859		1	WG2199952
MTWA1231MC003	L1692595-04	Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2199952
MTWA1231MC003	L1692595-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.420	0.867		1	WG2199952
MTWA1231MC003	L1692595-04	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.514	1.77		1	WG2199952
MTWA1231MC003	L1692595-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.01	7.56	B	1	WG2199952
MTWA1231MC003	L1692595-04	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.241	1.04		1	WG2199952
MTWA1231MC003	L1692595-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2199952
MTWA1231MC003	L1692595-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2199952
MTWA1231MC003	L1692595-04	Heptane	142-82-5	100	0.104	0.200	0.818	0.401	1.64		1	WG2199952
MTWA1231MC003	L1692595-04	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.427	1.51	J	1	WG2199952
MTWA1231MC003	L1692595-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.334	1.16		1	WG2199952
MTWA1231MC003	L1692595-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.212	0.625	J	1	WG2199952
MTWA1231MC003	L1692595-04	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0565	0.296	J	1	WG2199952
MTWA1231MC003	L1692595-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.736	2.17		1	WG2199952
MTWA1231MC003	L1692595-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.946	2.33	J	1	WG2199952
MTWA1231MC003	L1692595-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.51	5.69		1	WG2199952
MTWA1231MC003	L1692595-04	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.213	1.05		1	WG2199952
MTWA1231MC003	L1692595-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.854	3.70		1	WG2199952
MTWA1231MC003	L1692595-04	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.353	1.53		1	WG2199952
MTWA1231MC004	L1692595-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	13.3	31.6		1	WG2199959
MTWA1231MC004	L1692595-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.522	1.67		1	WG2199959
MTWA1231MC004	L1692595-05	Butane	106-97-8	58	0.0522	0.200	0.474	1.77	4.20		1	WG2199959
MTWA1231MC004	L1692595-05	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.258	0.803		1	WG2199959
MTWA1231MC004	L1692595-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0857	0.540	J	1	WG2199959
MTWA1231MC004	L1692595-05	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.638	1.68		1	WG2199959
MTWA1231MC004	L1692595-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.895	1.85		1	WG2199959
MTWA1231MC004	L1692595-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	29.8	56.2		1	WG2199959
MTWA1231MC004	L1692595-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2199959
MTWA1231MC004	L1692595-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.288	1.42		1	WG2199959
MTWA1231MC004	L1692595-05	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0820	0.628	J	1	WG2199959
MTWA1231MC004	L1692595-05	Heptane	142-82-5	100	0.104	0.200	0.818	0.175	0.716	J	1	WG2199959
MTWA1231MC004	L1692595-05	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.399	1.41	J	1	WG2199959
MTWA1231MC004	L1692595-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.887	2.62	J	1	WG2199959
MTWA1231MC004	L1692595-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.354	1.04		1	WG2199959
MTWA1231MC004	L1692595-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.31	5.68		1	WG2199959
MTWA1231MC004	L1692595-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.73	6.52		1	WG2199959
MTWA1231MC004B	L1692595-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.54	10.8		1	WG2199959
MTWA1231MC004B	L1692595-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.376	1.20		1	WG2199959
MTWA1231MC004B	L1692595-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.772	1.83		1	WG2199959
MTWA1231MC004B	L1692595-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.834	1.72		1	WG2199959
MTWA1231MC004B	L1692595-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.01	11.3	B	1	WG2199959
MTWA1231MC004B	L1692595-06	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.0992	0.430	J	1	WG2199959
MTWA1231MC004B	L1692595-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2199959
MTWA1231MC004B	L1692595-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.373	1.84		1	WG2199959
MTWA1231MC004B	L1692595-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.279	0.969		1	WG2199959
MTWA1231MC004B	L1692595-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.338	0.997	J	1	WG2199959
MTWA1231MC004B	L1692595-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.325	0.959		1	WG2199959
MTWA1231MC004B	L1692595-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.686	1.69	J	1	WG2199959
MTWA1231MC004B	L1692595-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.21	4.56		1	WG2199959
MTWA1231MC004B	L1692595-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.323	1.40	J	1	WG2199959

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA1231MC004B	L1692595-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.129	0.559	J	1	WG2199959
MTWA1230MC003CL	L1692595-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	14.8	35.2		1	WG2199959
MTWA1230MC003CL	L1692595-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.340	1.09		1	WG2199959
MTWA1230MC003CL	L1692595-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.490	1.16		1	WG2199959
MTWA1230MC003CL	L1692595-07	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.126	0.392	J	1	WG2199959
MTWA1230MC003CL	L1692595-07	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.195	0.514	J	1	WG2199959
MTWA1230MC003CL	L1692595-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.584	1.21		1	WG2199959
MTWA1230MC003CL	L1692595-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.6	21.9		1	WG2199959
MTWA1230MC003CL	L1692595-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.214	1.20		1	WG2199959
MTWA1230MC003CL	L1692595-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.391	1.93		1	WG2199959
MTWA1230MC003CL	L1692595-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.275	0.955		1	WG2199959
MTWA1230MC003CL	L1692595-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.610	1.80	J	1	WG2199959
MTWA1230MC003CL	L1692595-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.240	0.708		1	WG2199959
MTWA1230MC003CL	L1692595-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.958	3.61		1	WG2199959
MTWA1230MC004	L1692595-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.26	7.75		1	WG2199959
MTWA1230MC004	L1692595-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.138	0.441	J	1	WG2199959
MTWA1230MC004	L1692595-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.518	1.23		1	WG2199959
MTWA1230MC004	L1692595-08	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.113	0.352	J	1	WG2199959
MTWA1230MC004	L1692595-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.494	1.02		1	WG2199959
MTWA1230MC004	L1692595-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.1	19.0	B	1	WG2199959
MTWA1230MC004	L1692595-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.209	1.17		1	WG2199959
MTWA1230MC004	L1692595-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.393	1.94		1	WG2199959
MTWA1230MC004	L1692595-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.276	0.958		1	WG2199959
MTWA1230MC004	L1692595-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.124	0.366	J	1	WG2199959
MTWA1230MC004	L1692595-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.515	1.52		1	WG2199959
MTWA1230MC004	L1692595-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.99	4.89		1	WG2199959
MTWA1230MC004	L1692595-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.629	2.37		1	WG2199959

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.03	9.58		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.278	0.888		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.688	1.63		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.435	0.898		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.160	0.551	J	1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.90	7.35	B	1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.114	0.494	J	1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.488	2.41		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.125	0.511	J	1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.209	0.737	J	1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.306	1.06		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.148	0.436	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.522	1.54		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.475	1.17	J	1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.578	2.18		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0848	0.416	J	1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.436	1.89		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.213	0.923		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.5*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	10.4	24.7		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.09	3.48		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.697	1.65		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.113	0.352	J	1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.144	0.380	J	1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	2.11	4.36		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.188	0.647	J	1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.5	19.8		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.0903	0.391	J	1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.186	0.761	J	1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.293	1.44		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.300	1.04		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.562	1.66	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.436	1.29		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.13	2.78	J	1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	0.0900	0.383	J	1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.13	8.02		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0914	0.449	J	1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.320	1.39	J	1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.136	0.590	J	1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.0*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	15.9	37.8		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.384	1.23		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	0.631	1.50		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.145	0.383	J	1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.485	1.00		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.167	0.575	J	1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	17.4	32.8		1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.486	2.40		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.205	0.838		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.392	1.38	J	1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.271	0.941		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.911	2.69	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.590	1.74		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.06	2.61	J	1	WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.20	4.52		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.435	2.03		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.324	1.40	J	1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.128	0.555	J	1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.3*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.64	8.65		1	WG2199952
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199952
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2199952
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199952
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.269	0.859		1	WG2199952
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199952
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199952
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199952
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199952
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199952
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199952
Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2199952
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199952
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199952
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199952
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199952
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199952
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.420	0.867		1	WG2199952
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199952
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.514	1.77		1	WG2199952
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199952
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199952
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199952
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199952
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199952
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199952
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199952
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199952
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199952
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199952
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199952
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199952
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199952
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199952
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199952
Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.01	7.56	B	1	WG2199952
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.241	1.04		1	WG2199952
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199952
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2199952
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2199952
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199952
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199952
Heptane	142-82-5	100	0.104	0.200	0.818	0.401	1.64		1	WG2199952
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199952
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.427	1.51	J	1	WG2199952
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199952
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.334	1.16		1	WG2199952
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199952
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.212	0.625	J	1	WG2199952
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199952
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199952
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199952
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199952
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0565	0.296	J	1	WG2199952
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.736	2.17		1	WG2199952
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.946	2.33	J	1	WG2199952

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199952
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199952
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199952
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199952
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199952
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.51	5.69		1	WG2199952
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199952
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199952
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199952
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199952
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.213	1.05		1	WG2199952
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199952
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199952
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199952
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199952
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199952
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.854	3.70		1	WG2199952
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.353	1.53		1	WG2199952
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*95.6*				WG2199952

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	13.3	31.6		1	WG2199959
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199959
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U	J4	1	WG2199959
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199959
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.522	1.67		1	WG2199959
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199959
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199959
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199959
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199959
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199959
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199959
Butane	106-97-8	58	0.0522	0.200	0.474	1.77	4.20		1	WG2199959
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.258	0.803		1	WG2199959
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0857	0.540	J	1	WG2199959
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199959
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.638	1.68		1	WG2199959
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199959
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.895	1.85		1	WG2199959
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199959
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199959
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199959
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199959
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199959
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199959
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199959
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199959
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199959
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199959
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199959
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199959
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199959
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199959
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199959
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199959
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199959
Ethanol	64-17-5	46.10	0.265	2.50	4.71	29.8	56.2		1	WG2199959
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199959
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199959
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2199959
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.288	1.42		1	WG2199959
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0820	0.628	J	1	WG2199959
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199959
Heptane	142-82-5	100	0.104	0.200	0.818	0.175	0.716	J	1	WG2199959
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199959
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.399	1.41	J	1	WG2199959
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199959
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2199959
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199959
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.887	2.62	J	1	WG2199959
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199959
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199959
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199959
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199959
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199959
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.354	1.04		1	WG2199959
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.31	5.68		1	WG2199959

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199959
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199959
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199959
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199959
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199959
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.73	6.52		1	WG2199959
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199959
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199959
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199959
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199959
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199959
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199959
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199959
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199959
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199959
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199959
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199959
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199959
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*105*				WG2199959

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.54	10.8		1	WG2199959
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199959
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U	J4	1	WG2199959
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199959
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.376	1.20		1	WG2199959
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199959
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199959
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199959
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199959
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199959
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199959
Butane	106-97-8	58	0.0522	0.200	0.474	0.772	1.83		1	WG2199959
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2199959
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199959
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199959
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199959
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199959
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.834	1.72		1	WG2199959
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199959
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199959
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199959
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199959
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199959
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199959
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199959
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199959
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199959
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199959
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199959
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199959
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199959
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199959
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199959
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199959
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199959
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.01	11.3	B	1	WG2199959
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.0992	0.430	J	1	WG2199959
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199959
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2199959
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.373	1.84		1	WG2199959
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199959
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199959
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199959
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199959
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199959
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199959
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.279	0.969		1	WG2199959
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199959
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.338	0.997	J	1	WG2199959
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199959
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199959
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199959
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199959
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199959
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.325	0.959		1	WG2199959
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.686	1.69	J	1	WG2199959

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199959
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199959
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199959
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199959
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199959
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.21	4.56		1	WG2199959
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199959
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199959
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199959
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199959
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199959
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199959
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199959
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199959
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199959
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199959
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.323	1.40	J	1	WG2199959
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.129	0.559	J	1	WG2199959
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.7*				WG2199959

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	14.8	35.2		1	WG2199959
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199959
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U	J4	1	WG2199959
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199959
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.340	1.09		1	WG2199959
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199959
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199959
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199959
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199959
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199959
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199959
Butane	106-97-8	58	0.0522	0.200	0.474	0.490	1.16		1	WG2199959
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.126	0.392	J	1	WG2199959
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199959
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199959
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.195	0.514	J	1	WG2199959
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199959
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.584	1.21		1	WG2199959
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199959
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199959
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199959
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199959
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199959
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199959
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199959
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199959
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199959
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199959
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199959
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199959
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199959
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199959
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199959
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199959
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199959
Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.6	21.9		1	WG2199959
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199959
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199959
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.214	1.20		1	WG2199959
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.391	1.93		1	WG2199959
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199959
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199959
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199959
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199959
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199959
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199959
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.275	0.955		1	WG2199959
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199959
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.610	1.80	J	1	WG2199959
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199959
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199959
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199959
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199959
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199959
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.240	0.708		1	WG2199959
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2199959

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199959
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199959
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199959
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199959
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199959
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.958	3.61		1	WG2199959
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199959
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199959
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199959
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199959
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199959
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199959
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199959
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199959
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199959
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199959
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199959
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199959
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*100*				WG2199959

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.26	7.75		1	WG2199959
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2199959
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U	J4	1	WG2199959
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2199959
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.138	0.441	J	1	WG2199959
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2199959
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2199959
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2199959
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2199959
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2199959
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2199959
Butane	106-97-8	58	0.0522	0.200	0.474	0.518	1.23		1	WG2199959
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.113	0.352	J	1	WG2199959
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2199959
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2199959
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2199959
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2199959
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.494	1.02		1	WG2199959
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2199959
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2199959
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2199959
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2199959
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2199959
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2199959
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2199959
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2199959
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2199959
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2199959
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2199959
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2199959
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2199959
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2199959
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2199959
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2199959
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2199959
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.1	19.0	B	1	WG2199959
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2199959
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2199959
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.209	1.17		1	WG2199959
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.393	1.94		1	WG2199959
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2199959
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2199959
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2199959
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2199959
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2199959
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2199959
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.276	0.958		1	WG2199959
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2199959
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.124	0.366	J	1	WG2199959
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2199959
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2199959
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2199959
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2199959
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2199959
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.515	1.52		1	WG2199959
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.99	4.89		1	WG2199959

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2199959
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2199959
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2199959
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2199959
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2199959
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.629	2.37		1	WG2199959
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2199959
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2199959
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2199959
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2199959
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2199959
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2199959
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2199959
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2199959
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2199959
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2199959
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2199959
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2199959
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*103*				WG2199959

Method Blank (MB)

(MB) R4019540-3 01/03/24 11:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.570	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4019540-3 01/03/24 11:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019540-1 01/03/24 08:30 • (LCSD) R4019540-2 01/03/24 10:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.27	3.20	87.2	85.3	70.0-130			2.16	25
Acetonitrile	18.8	17.5	16.9	93.1	89.9	70.0-130			3.49	25
Acrylonitrile	3.75	3.48	3.29	92.8	87.7	70.0-130			5.61	25
Allyl chloride	3.75	3.64	3.52	97.1	93.9	70.0-130			3.35	25
Benzene	3.75	3.91	3.84	104	102	70.0-130			1.81	25
Benzyl Chloride	3.75	4.32	4.29	115	114	70.0-152			0.697	25
Bromodichloromethane	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Bromoform	3.75	3.28	3.40	87.5	90.7	70.0-130			3.59	25
Bromomethane	3.75	3.43	3.30	91.5	88.0	70.0-130			3.86	25
Bromoethane	3.75	3.44	3.35	91.7	89.3	70.0-130			2.65	25
1,3-Butadiene	3.75	3.41	3.30	90.9	88.0	70.0-130			3.28	25
Butane	3.75	3.35	3.24	89.3	86.4	70.0-130			3.34	25
Carbon disulfide	3.75	3.67	3.65	97.9	97.3	70.0-130			0.546	25
Carbon tetrachloride	3.75	4.16	4.15	111	111	70.0-130			0.241	25
Chlorobenzene	3.75	3.94	3.86	105	103	70.0-130			2.05	25
Chloroethane	3.75	3.40	3.29	90.7	87.7	70.0-130			3.29	25
Chloroform	3.75	3.86	3.78	103	101	70.0-130			2.09	25
Chloromethane	3.75	3.37	3.26	89.9	86.9	70.0-130			3.32	25
2-Chlorotoluene	3.75	4.11	4.02	110	107	70.0-130			2.21	25
Cyclohexane	3.75	4.00	3.89	107	104	70.0-130			2.79	25
n-Decane	3.75	4.21	4.18	112	111	70.0-130			0.715	25
Dibromochloromethane	3.75	3.86	3.93	103	105	70.0-130			1.80	25
1,2-Dibromoethane	3.75	3.97	3.89	106	104	70.0-130			2.04	25
1,2-Dichlorobenzene	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
1,3-Dichlorobenzene	3.75	3.73	3.62	99.5	96.5	70.0-130			2.99	25
1,4-Dichlorobenzene	3.75	3.69	3.62	98.4	96.5	70.0-130			1.92	25
1,2-Dichloroethane	3.75	3.83	3.73	102	99.5	70.0-130			2.65	25
1,1-Dichloroethane	3.75	3.93	3.85	105	103	70.0-130			2.06	25
1,1-Dichloroethene	3.75	3.53	3.36	94.1	89.6	70.0-130			4.93	25
cis-1,2-Dichloroethene	3.75	3.93	3.83	105	102	70.0-130			2.58	25
trans-1,2-Dichloroethene	3.75	3.47	3.37	92.5	89.9	70.0-130			2.92	25
1,2-Dichloropropane	3.75	3.84	3.75	102	100	70.0-130			2.37	25
cis-1,3-Dichloropropene	3.75	4.08	4.04	109	108	70.0-130			0.985	25
trans-1,3-Dichloropropene	3.75	4.13	4.06	110	108	70.0-130			1.71	25
1,4-Dioxane	3.75	4.01	3.81	107	102	70.0-140			5.12	25
Ethanol	3.75	3.52	3.32	93.9	88.5	55.0-148			5.85	25
Ethylbenzene	3.75	4.17	4.08	111	109	70.0-130			2.18	25
4-Ethyltoluene	3.75	4.32	4.21	115	112	70.0-130			2.58	25
Trichlorofluoromethane	3.75	3.61	3.53	96.3	94.1	70.0-130			2.24	25
Dichlorodifluoromethane	3.75	3.47	3.37	92.5	89.9	64.0-139			2.92	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019540-1 01/03/24 08:30 • (LCSD) R4019540-2 01/03/24 10:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
1,2-Dichlorotetrafluoroethane	3.75	3.47	3.34	92.5	89.1	70.0-130			3.82	25
Heptane	3.75	3.82	3.70	102	98.7	70.0-130			3.19	25
Hexachloro-1,3-butadiene	3.75	3.87	3.86	103	103	70.0-151			0.259	25
n-Hexane	3.75	3.96	3.81	106	102	70.0-130			3.86	25
Isopropylbenzene	3.75	4.16	4.12	111	110	70.0-130			0.966	25
Methylene Chloride	3.75	3.36	3.23	89.6	86.1	70.0-130			3.95	25
Methyl Butyl Ketone	3.75	3.86	3.83	103	102	70.0-149			0.780	25
2-Butanone (MEK)	3.75	4.09	4.02	109	107	70.0-130			1.73	25
4-Methyl-2-pentanone (MIBK)	3.75	3.88	3.78	103	101	70.0-139			2.61	25
Methyl methacrylate	3.75	4.00	3.93	107	105	70.0-130			1.77	25
MTBE	3.75	4.12	4.05	110	108	70.0-130			1.71	25
Naphthalene	3.75	4.40	4.36	117	116	70.0-159			0.913	25
Nonane	3.75	3.97	3.88	106	103	70.0-130			2.29	25
Pentane	3.75	3.36	3.22	89.6	85.9	70.0-130			4.26	25
2-Propanol	3.75	3.25	3.11	86.7	82.9	70.0-139			4.40	25
Propene	3.75	3.60	3.55	96.0	94.7	64.0-144			1.40	25
Styrene	3.75	4.28	4.20	114	112	70.0-130			1.89	25
1,1,2,2-Tetrachloroethane	3.75	3.89	3.83	104	102	70.0-130			1.55	25
Tetrachloroethylene	3.75	3.58	3.47	95.5	92.5	70.0-130			3.12	25
Tetrahydrofuran	3.75	3.72	3.60	99.2	96.0	70.0-137			3.28	25
Toluene	3.75	3.99	3.86	106	103	70.0-130			3.31	25
1,2,4-Trichlorobenzene	3.75	3.87	3.85	103	103	70.0-160			0.518	25
1,1,1-Trichloroethane	3.75	4.01	3.94	107	105	70.0-130			1.76	25
1,1,2-Trichloroethane	3.75	3.87	3.81	103	102	70.0-130			1.56	25
Trichloroethylene	3.75	3.91	3.86	104	103	70.0-130			1.29	25
1,2,4-Trimethylbenzene	3.75	4.30	4.21	115	112	70.0-130			2.12	25
1,3,5-Trimethylbenzene	3.75	4.31	4.21	115	112	70.0-130			2.35	25
2,2,4-Trimethylpentane	3.75	3.95	3.86	105	103	70.0-130			2.30	25
Vinyl chloride	3.75	3.43	3.28	91.5	87.5	70.0-130			4.47	25
Vinyl Bromide	3.75	3.46	3.37	92.3	89.9	70.0-130			2.64	25
Vinyl acetate	3.75	3.85	3.73	103	99.5	70.0-130			3.17	25
m&p-Xylene	7.50	8.43	8.21	112	109	70.0-130			2.64	25
o-Xylene	3.75	4.19	4.08	112	109	70.0-130			2.66	25
(S) 1,4-Bromofluorobenzene				*99.3*	*99.1*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4019534-3 01/03/24 09:55

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	1.16	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4019534-3 01/03/24 09:55

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*99.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019534-1 01/03/24 08:44 • (LCSD) R4019534-2 01/03/24 09:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.98	4.25	106	113	70.0-130			6.56	25
Acetonitrile	18.8	20.5	20.5	109	109	70.0-130			0.000	25
Acrylonitrile	3.75	5.08	4.38	135	117	70.0-130	J4		14.8	25
Allyl chloride	3.75	4.30	4.27	115	114	70.0-130			0.700	25
Benzene	3.75	3.81	3.81	102	102	70.0-130			0.000	25
Benzyl Chloride	3.75	3.78	3.75	101	100	70.0-152			0.797	25
Bromodichloromethane	3.75	3.62	3.69	96.5	98.4	70.0-130			1.92	25
Bromoform	3.75	3.41	3.41	90.9	90.9	70.0-130			0.000	25
Bromomethane	3.75	3.76	3.67	100	97.9	70.0-130			2.42	25
Bromoethane	3.75	3.73	3.82	99.5	102	70.0-130			2.38	25
1,3-Butadiene	3.75	4.00	3.94	107	105	70.0-130			1.51	25
Butane	3.75	4.04	3.92	108	105	70.0-130			3.02	25
Carbon disulfide	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
Carbon tetrachloride	3.75	3.78	3.72	101	99.2	70.0-130			1.60	25
Chlorobenzene	3.75	3.60	3.56	96.0	94.9	70.0-130			1.12	25
Chloroethane	3.75	3.74	3.49	99.7	93.1	70.0-130			6.92	25
Chloroform	3.75	3.79	3.81	101	102	70.0-130			0.526	25
Chloromethane	3.75	3.94	3.88	105	103	70.0-130			1.53	25
2-Chlorotoluene	3.75	3.79	3.80	101	101	70.0-130			0.264	25
Cyclohexane	3.75	4.17	4.04	111	108	70.0-130			3.17	25
n-Decane	3.75	4.17	4.12	111	110	70.0-130			1.21	25
Dibromochloromethane	3.75	3.57	3.56	95.2	94.9	70.0-130			0.281	25
1,2-Dibromoethane	3.75	3.62	3.82	96.5	102	70.0-130			5.38	25
1,2-Dichlorobenzene	3.75	3.57	3.55	95.2	94.7	70.0-130			0.562	25
1,3-Dichlorobenzene	3.75	3.63	3.66	96.8	97.6	70.0-130			0.823	25
1,4-Dichlorobenzene	3.75	3.52	3.48	93.9	92.8	70.0-130			1.14	25
1,2-Dichloroethane	3.75	3.63	3.62	96.8	96.5	70.0-130			0.276	25
1,1-Dichloroethane	3.75	3.96	3.95	106	105	70.0-130			0.253	25
1,1-Dichloroethene	3.75	4.16	4.17	111	111	70.0-130			0.240	25
cis-1,2-Dichloroethene	3.75	3.81	3.86	102	103	70.0-130			1.30	25
trans-1,2-Dichloroethene	3.75	4.05	4.04	108	108	70.0-130			0.247	25
1,2-Dichloropropane	3.75	3.78	3.64	101	97.1	70.0-130			3.77	25
cis-1,3-Dichloropropene	3.75	3.78	3.87	101	103	70.0-130			2.35	25
trans-1,3-Dichloropropene	3.75	3.80	3.90	101	104	70.0-130			2.60	25
1,4-Dioxane	3.75	3.89	3.79	104	101	70.0-140			2.60	25
Ethanol	3.75	4.20	5.20	112	139	55.0-148			21.3	25
Ethylbenzene	3.75	3.80	3.86	101	103	70.0-130			1.57	25
4-Ethyltoluene	3.75	3.84	3.92	102	105	70.0-130			2.06	25
Trichlorofluoromethane	3.75	3.73	3.70	99.5	98.7	70.0-130			0.808	25
Dichlorodifluoromethane	3.75	3.78	3.76	101	100	64.0-139			0.531	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019534-1 01/03/24 08:44 • (LCSD) R4019534-2 01/03/24 09:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.05	3.98	108	106	70.0-130			1.74	25
1,2-Dichlorotetrafluoroethane	3.75	3.93	3.87	105	103	70.0-130			1.54	25
Heptane	3.75	4.14	4.03	110	107	70.0-130			2.69	25
Hexachloro-1,3-butadiene	3.75	3.53	3.54	94.1	94.4	70.0-151			0.283	25
n-Hexane	3.75	4.55	4.43	121	118	70.0-130			2.67	25
Isopropylbenzene	3.75	4.05	3.99	108	106	70.0-130			1.49	25
Methylene Chloride	3.75	3.96	3.83	106	102	70.0-130			3.34	25
Methyl Butyl Ketone	3.75	4.02	4.13	107	110	70.0-149			2.70	25
2-Butanone (MEK)	3.75	4.30	4.29	115	114	70.0-130			0.233	25
4-Methyl-2-pentanone (MIBK)	3.75	4.09	4.20	109	112	70.0-139			2.65	25
Methyl methacrylate	3.75	4.04	4.06	108	108	70.0-130			0.494	25
MTBE	3.75	4.28	4.22	114	113	70.0-130			1.41	25
Naphthalene	3.75	3.95	3.86	105	103	70.0-159			2.30	25
Nonane	3.75	4.09	4.02	109	107	70.0-130			1.73	25
Pentane	3.75	3.33	4.13	88.8	110	70.0-130			21.4	25
2-Propanol	3.75	4.29	4.22	114	113	70.0-139			1.65	25
Propene	3.75	4.04	3.84	108	102	64.0-144			5.08	25
Styrene	3.75	4.08	4.04	109	108	70.0-130			0.985	25
1,1,2,2-Tetrachloroethane	3.75	3.54	3.46	94.4	92.3	70.0-130			2.29	25
Tetrachloroethylene	3.75	3.46	3.56	92.3	94.9	70.0-130			2.85	25
Tetrahydrofuran	3.75	4.45	4.33	119	115	70.0-137			2.73	25
Toluene	3.75	3.84	3.83	102	102	70.0-130			0.261	25
1,2,4-Trichlorobenzene	3.75	3.74	3.68	99.7	98.1	70.0-160			1.62	25
1,1,1-Trichloroethane	3.75	3.80	3.84	101	102	70.0-130			1.05	25
1,1,2-Trichloroethane	3.75	3.55	3.58	94.7	95.5	70.0-130			0.842	25
Trichloroethylene	3.75	3.60	3.66	96.0	97.6	70.0-130			1.65	25
1,2,4-Trimethylbenzene	3.75	4.01	3.96	107	106	70.0-130			1.25	25
1,3,5-Trimethylbenzene	3.75	3.86	3.90	103	104	70.0-130			1.03	25
2,2,4-Trimethylpentane	3.75	4.36	4.29	116	114	70.0-130			1.62	25
Vinyl chloride	3.75	3.83	3.82	102	102	70.0-130			0.261	25
Vinyl Bromide	3.75	3.84	3.72	102	99.2	70.0-130			3.17	25
Vinyl acetate	3.75	4.37	3.96	117	106	70.0-130			9.84	25
m&p-Xylene	7.50	7.84	7.81	105	104	70.0-130			0.383	25
o-Xylene	3.75	3.95	3.87	105	103	70.0-130			2.05	25
(S) 1,4-Bromofluorobenzene				*101*	*101*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

E162

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LI692595

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA1231MC0001	01430 9	02125 7	12/31/23	1928	01/01/24	1859	-27	-3	DA	✓				A-01
MTWA1231MC0001CL	02118 0	01302 6	12/31/23	1928	01/01/24	1859	-28	-2	DA	✓				A-02
MTWA1231MC0002	0 0 8116	02924 6	12/31/23	1951	01/01/24 ~~01/24~~ DA	1617	-29	-3	DA	✓				A-03
MTWA1231MC0003	01090 0	0 0990 4	12/31/23	2025	01/01/24	1930	-29	-5	DA	✓				A-04
MTWA1231MC0004	01102 7	02919 1	12/31/23	1449	12/31/23	2046	-25	-17	DA	✓				A-05
MTWA1231MC0004B	02117 6	02351 8	12/31/23	2051	01/01/24	1951	-28	-3	DA	✓				A-06
MTWA1230MC0003CL	01159 0	01570 5	12/30/23	2145	12/31/23	2004	-28	-4	DA	✓				A-07
MTWA1230MC0004	01302 5	02928 5	12/30/23	2203	12/31/23	1444	-28	-0	DA	✓				A-08

DA

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Daywell Waters	01.02.1905	FedEx	01.02.1010
			1.3.24/0900

AWB
Sample Receipt Checklist
COC Seal Present/Intact: Y N Airs
COC Signed Accurate: Y N Size: 1L 6L 1.4L
Bottles arrive intact: Y N Tage Color: G W P B
Correct bottles used: Y N Tubing Shunt
7607 7754 6851

T/P#:

SDG #

ANALYTICAL REPORT

January 05, 2024

CTEH - ER

Sample Delivery Group:	L1693368
Samples Received:	01/05/2024
Project Number:	032692
Description:	

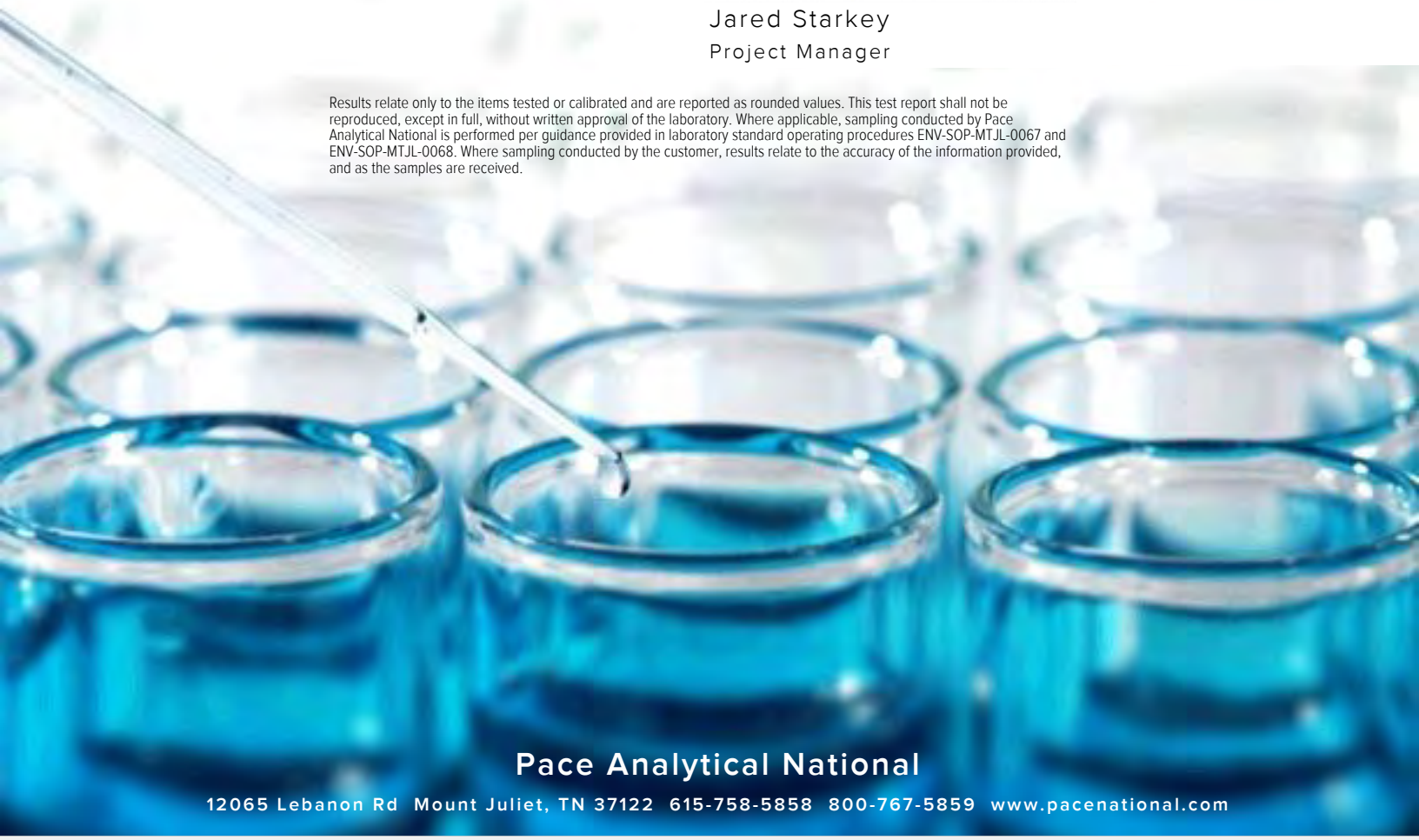
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA0101MC001 L1693368-01 Air

Collected by: DA | Collected date/time: 01/02/24 17:42 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 11:20	01/05/24 11:20	SDS	Mt. Juliet, TN

MTWA0101MC002 L1693368-02 Air

Collected by: DA | Collected date/time: 01/02/24 15:47 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 11:49	01/05/24 11:49	SDS	Mt. Juliet, TN

MTWA0101MC003 L1693368-03 Air

Collected by: DA | Collected date/time: 01/02/24 17:38 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 12:17	01/05/24 12:17	SDS	Mt. Juliet, TN

MTWA0101MC004 L1693368-04 Air

Collected by: DA | Collected date/time: 01/02/24 17:30 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 12:45	01/05/24 12:45	SDS	Mt. Juliet, TN

MTWA0101MC004CL L1693368-05 Air

Collected by: DA | Collected date/time: 01/02/24 17:30 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 13:14	01/05/24 13:14	SDS	Mt. Juliet, TN

MTWA0102MC001 L1693368-06 Air

Collected by: DA | Collected date/time: 01/03/24 21:37 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 13:43	01/05/24 13:43	SDS	Mt. Juliet, TN

MTWA0102MC001CL L1693368-07 Air

Collected by: DA | Collected date/time: 01/03/24 21:37 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 14:11	01/05/24 14:11	SDS	Mt. Juliet, TN

MTWA0102MC002 L1693368-08 Air

Collected by: DA | Collected date/time: 01/03/24 22:03 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 14:39	01/05/24 14:39	SDS	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2201539	Benzene	L1693368-01, 02, 03, 04, 05

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0101MC001	L1693368-01	Acetone	67-64-1	58.10	1.25	2.97	7.16	17.0		1	WG2201539
MTWA0101MC001	L1693368-01	Benzene	71-43-2	78.10	0.200	0.639	0.476	1.52	B	1	WG2201539
MTWA0101MC001	L1693368-01	Butane	106-97-8	58	0.200	0.474	1.96	4.65		1	WG2201539
MTWA0101MC001	L1693368-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG2201539
MTWA0101MC001	L1693368-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.745	2.57		1	WG2201539
MTWA0101MC001	L1693368-01	Ethanol	64-17-5	46.10	2.50	4.71	17.8	33.6		1	WG2201539
MTWA0101MC001	L1693368-01	Ethylbenzene	100-41-4	106	0.200	0.867	0.352	1.53		1	WG2201539
MTWA0101MC001	L1693368-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.435	2.15		1	WG2201539
MTWA0101MC001	L1693368-01	Heptane	142-82-5	100	0.200	0.818	0.586	2.40		1	WG2201539
MTWA0101MC001	L1693368-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.445	1.55		1	WG2201539
MTWA0101MC001	L1693368-01	Pentane	109-66-0	72.15	0.200	0.590	1.50	4.43		1	WG2201539
MTWA0101MC001	L1693368-01	2-Propanol	67-63-0	60.10	1.25	3.07	2.25	5.53		1	WG2201539
MTWA0101MC001	L1693368-01	Toluene	108-88-3	92.10	0.500	1.88	2.71	10.2		1	WG2201539
MTWA0101MC001	L1693368-01	1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.258	1.27		1	WG2201539
MTWA0101MC001	L1693368-01	m&p-Xylene	179601-23-1	106	0.400	1.73	1.08	4.68		1	WG2201539
MTWA0101MC001	L1693368-01	o-Xylene	95-47-6	106	0.200	0.867	0.477	2.07		1	WG2201539
MTWA0101MC002	L1693368-02	Acetone	67-64-1	58.10	1.25	2.97	4.45	10.6		1	WG2201539
MTWA0101MC002	L1693368-02	Benzene	71-43-2	78.10	0.200	0.639	0.393	1.26	B	1	WG2201539
MTWA0101MC002	L1693368-02	Butane	106-97-8	58	0.200	0.474	1.01	2.40		1	WG2201539
MTWA0101MC002	L1693368-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.789	1.63		1	WG2201539
MTWA0101MC002	L1693368-02	Cyclohexane	110-82-7	84.20	0.200	0.689	0.355	1.22		1	WG2201539
MTWA0101MC002	L1693368-02	Ethanol	64-17-5	46.10	2.50	4.71	7.49	14.1		1	WG2201539
MTWA0101MC002	L1693368-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.210	1.18		1	WG2201539
MTWA0101MC002	L1693368-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.428	2.12		1	WG2201539
MTWA0101MC002	L1693368-02	Heptane	142-82-5	100	0.200	0.818	0.289	1.18		1	WG2201539
MTWA0101MC002	L1693368-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.235	0.816		1	WG2201539
MTWA0101MC002	L1693368-02	Pentane	109-66-0	72.15	0.200	0.590	1.22	3.60		1	WG2201539
MTWA0101MC002	L1693368-02	Toluene	108-88-3	92.10	0.500	1.88	1.37	5.16		1	WG2201539
MTWA0101MC002	L1693368-02	m&p-Xylene	179601-23-1	106	0.400	1.73	0.513	2.22		1	WG2201539
MTWA0101MC002	L1693368-02	o-Xylene	95-47-6	106	0.200	0.867	0.222	0.962		1	WG2201539
MTWA0101MC003	L1693368-03	Acetone	67-64-1	58.10	1.25	2.97	5.38	12.8		1	WG2201539
MTWA0101MC003	L1693368-03	Benzene	71-43-2	78.10	0.200	0.639	0.265	0.846	B	1	WG2201539
MTWA0101MC003	L1693368-03	Butane	106-97-8	58	0.200	0.474	1.89	4.48		1	WG2201539
MTWA0101MC003	L1693368-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.392	0.810		1	WG2201539
MTWA0101MC003	L1693368-03	Cyclohexane	110-82-7	84.20	0.200	0.689	1.12	3.86		1	WG2201539
MTWA0101MC003	L1693368-03	Ethanol	64-17-5	46.10	2.50	4.71	7.89	14.9		1	WG2201539
MTWA0101MC003	L1693368-03	Ethylbenzene	100-41-4	106	0.200	0.867	0.521	2.26		1	WG2201539
MTWA0101MC003	L1693368-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2201539
MTWA0101MC003	L1693368-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.441	2.18		1	WG2201539
MTWA0101MC003	L1693368-03	Heptane	142-82-5	100	0.200	0.818	0.897	3.67		1	WG2201539
MTWA0101MC003	L1693368-03	n-Hexane	110-54-3	86.20	0.630	2.22	0.780	2.75		1	WG2201539
MTWA0101MC003	L1693368-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.317	1.10		1	WG2201539
MTWA0101MC003	L1693368-03	Pentane	109-66-0	72.15	0.200	0.590	1.48	4.37		1	WG2201539
MTWA0101MC003	L1693368-03	2-Propanol	67-63-0	60.10	1.25	3.07	1.73	4.25		1	WG2201539
MTWA0101MC003	L1693368-03	Toluene	108-88-3	92.10	0.500	1.88	3.16	11.9		1	WG2201539
MTWA0101MC003	L1693368-03	1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.403	1.98		1	WG2201539
MTWA0101MC003	L1693368-03	m&p-Xylene	179601-23-1	106	0.400	1.73	1.70	7.37		1	WG2201539
MTWA0101MC003	L1693368-03	o-Xylene	95-47-6	106	0.200	0.867	0.723	3.13		1	WG2201539

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0101MC004	L1693368-04	Acetone	67-64-1	58.10	1.25	2.97	4.29	10.2		1	WG2201539
MTWA0101MC004	L1693368-04	Benzene	71-43-2	78.10	0.200	0.639	0.296	0.946	B	1	WG2201539
MTWA0101MC004	L1693368-04	Butane	106-97-8	58	0.200	0.474	1.15	2.73		1	WG2201539
MTWA0101MC004	L1693368-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.424	0.876		1	WG2201539
MTWA0101MC004	L1693368-04	Cyclohexane	110-82-7	84.20	0.200	0.689	0.228	0.785		1	WG2201539
MTWA0101MC004	L1693368-04	Ethanol	64-17-5	46.10	2.50	4.71	14.4	27.2		1	WG2201539
MTWA0101MC004	L1693368-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.436	2.16		1	WG2201539
MTWA0101MC004	L1693368-04	Heptane	142-82-5	100	0.200	0.818	0.209	0.855		1	WG2201539
MTWA0101MC004	L1693368-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.318	1.10		1	WG2201539
MTWA0101MC004	L1693368-04	Pentane	109-66-0	72.15	0.200	0.590	0.641	1.89		1	WG2201539
MTWA0101MC004	L1693368-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.40	3.44		1	WG2201539
MTWA0101MC004	L1693368-04	Toluene	108-88-3	92.10	0.500	1.88	1.86	7.01		1	WG2201539
MTWA0101MC004CL	L1693368-05	Acetone	67-64-1	58.10	1.25	2.97	13.3	31.6		1	WG2201539
MTWA0101MC004CL	L1693368-05	Benzene	71-43-2	78.10	0.200	0.639	0.549	1.75	B	1	WG2201539
MTWA0101MC004CL	L1693368-05	Butane	106-97-8	58	0.200	0.474	0.905	2.15		1	WG2201539
MTWA0101MC004CL	L1693368-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.617	1.27		1	WG2201539
MTWA0101MC004CL	L1693368-05	Cyclohexane	110-82-7	84.20	0.200	0.689	0.201	0.692		1	WG2201539
MTWA0101MC004CL	L1693368-05	Ethanol	64-17-5	46.10	2.50	4.71	9.25	17.4		1	WG2201539
MTWA0101MC004CL	L1693368-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.201	1.13		1	WG2201539
MTWA0101MC004CL	L1693368-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.443	2.19		1	WG2201539
MTWA0101MC004CL	L1693368-05	Heptane	142-82-5	100	0.200	0.818	0.229	0.937		1	WG2201539
MTWA0101MC004CL	L1693368-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2201539
MTWA0101MC004CL	L1693368-05	Pentane	109-66-0	72.15	0.200	0.590	0.516	1.52		1	WG2201539
MTWA0101MC004CL	L1693368-05	2-Propanol	67-63-0	60.10	1.25	3.07	1.46	3.59		1	WG2201539
MTWA0101MC004CL	L1693368-05	Toluene	108-88-3	92.10	0.500	1.88	2.05	7.72		1	WG2201539
MTWA0101MC004CL	L1693368-05	m&p-Xylene	179601-23-1	106	0.400	1.73	0.414	1.79		1	WG2201539
MTWA0102MC001	L1693368-06	Acetone	67-64-1	58.10	1.25	2.97	5.60	13.3		1	WG2201539
MTWA0102MC001	L1693368-06	Butane	106-97-8	58	0.200	0.474	0.793	1.88		1	WG2201539
MTWA0102MC001	L1693368-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.439	0.907		1	WG2201539
MTWA0102MC001	L1693368-06	Ethanol	64-17-5	46.10	2.50	4.71	6.39	12.0		1	WG2201539
MTWA0102MC001	L1693368-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.203	1.14		1	WG2201539
MTWA0102MC001	L1693368-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.454	2.25		1	WG2201539
MTWA0102MC001	L1693368-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.271	0.941		1	WG2201539
MTWA0102MC001	L1693368-06	Pentane	109-66-0	72.15	0.200	0.590	0.410	1.21		1	WG2201539
MTWA0102MC001CL	L1693368-07	Acetone	67-64-1	58.10	1.25	2.97	4.00	9.51		1	WG2201539
MTWA0102MC001CL	L1693368-07	Butane	106-97-8	58	0.200	0.474	0.535	1.27		1	WG2201539
MTWA0102MC001CL	L1693368-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.457	0.944		1	WG2201539
MTWA0102MC001CL	L1693368-07	Ethanol	64-17-5	46.10	2.50	4.71	7.85	14.8		1	WG2201539
MTWA0102MC001CL	L1693368-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2201539
MTWA0102MC001CL	L1693368-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.440	2.18		1	WG2201539
MTWA0102MC001CL	L1693368-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.256	0.889		1	WG2201539
MTWA0102MC002	L1693368-08	Acetone	67-64-1	58.10	1.25	2.97	3.72	8.84		1	WG2201539
MTWA0102MC002	L1693368-08	Butane	106-97-8	58	0.200	0.474	3.17	7.52		1	WG2201539
MTWA0102MC002	L1693368-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.484	1.00		1	WG2201539
MTWA0102MC002	L1693368-08	Ethanol	64-17-5	46.10	2.50	4.71	40.8	76.9		1	WG2201539
MTWA0102MC002	L1693368-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG2201539
MTWA0102MC002	L1693368-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.480	1.67		1	WG2201539
MTWA0102MC002	L1693368-08	Pentane	109-66-0	72.15	0.200	0.590	1.57	4.63		1	WG2201539
MTWA0102MC002	L1693368-08	2-Propanol	67-63-0	60.10	1.25	3.07	6.15	15.1		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.16	17.0		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	0.476	1.52	B	1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	1.96	4.65		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	0.745	2.57		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	17.8	33.6		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	0.352	1.53		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.435	2.15		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	0.586	2.40		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.445	1.55		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	1.50	4.43		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	2.25	5.53		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	2.71	10.2		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.258	1.27		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	1.08	4.68		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	0.477	2.07		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.0*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.45	10.6		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	0.393	1.26	B	1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	1.01	2.40		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.789	1.63		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	0.355	1.22		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	7.49	14.1		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.210	1.18		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.428	2.12		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	0.289	1.18		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.235	0.816		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	1.22	3.60		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	1.37	5.16		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	0.513	2.22		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	0.222	0.962		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.8*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.38	12.8		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	0.265	0.846	B	1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	1.89	4.48		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.392	0.810		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	1.12	3.86		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	7.89	14.9		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	0.521	2.26		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.441	2.18		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	0.897	3.67		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	0.780	2.75		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.317	1.10		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	1.48	4.37		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	1.73	4.25		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	3.16	11.9		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.403	1.98		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	1.70	7.37		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	0.723	3.13		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.1*				WG2201539

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.29	10.2		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	0.296	0.946	B	1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	1.15	2.73		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.424	0.876		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	0.228	0.785		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	14.4	27.2		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.436	2.16		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	0.209	0.855		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.318	1.10		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	0.641	1.89		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	1.40	3.44		1	WG2201539

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	1.86	7.01		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.7*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	13.3	31.6		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	0.549	1.75	B	1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	0.905	2.15		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.617	1.27		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	0.201	0.692		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	9.25	17.4		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.201	1.13		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.443	2.19		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	0.229	0.937		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	0.516	1.52		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	1.46	3.59		1	WG2201539

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	2.05	7.72		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	0.414	1.79		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.3*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.60	13.3		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	0.793	1.88		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.439	0.907		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	6.39	12.0		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.203	1.14		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.454	2.25		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.271	0.941		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	0.410	1.21		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.1*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.00	9.51		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	0.535	1.27		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.457	0.944		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	7.85	14.8		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.440	2.18		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.256	0.889		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.0*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.72	8.84		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	3.17	7.52		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.484	1.00		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	40.8	76.9		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.480	1.67		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	1.57	4.63		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	6.15	15.1		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.5*				WG2201539

Method Blank (MB)

(MB) R4020327-3 01/05/24 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	0.0727	J	0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.273	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4020327-3 01/05/24 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*95.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020327-1 01/05/24 09:10 • (LCSD) R4020327-2 01/05/24 09:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.03	3.65	107	97.3	70.0-130			9.90	25
Acetonitrile	18.8	18.9	18.1	101	96.3	70.0-130			4.32	25
Acrylonitrile	3.75	3.77	3.65	101	97.3	70.0-130			3.23	25
Allyl chloride	3.75	3.75	3.61	100	96.3	70.0-130			3.80	25
Benzene	3.75	3.72	3.69	99.2	98.4	70.0-130			0.810	25
Benzyl Chloride	3.75	3.59	3.58	95.7	95.5	70.0-152			0.279	25
Bromodichloromethane	3.75	3.57	3.51	95.2	93.6	70.0-130			1.69	25
Bromoform	3.75	3.58	3.51	95.5	93.6	70.0-130			1.97	25
Bromomethane	3.75	3.76	3.54	100	94.4	70.0-130			6.03	25
Bromoethane	3.75	3.73	3.62	99.5	96.5	70.0-130			2.99	25
1,3-Butadiene	3.75	3.66	3.55	97.6	94.7	70.0-130			3.05	25
Butane	3.75	3.70	3.59	98.7	95.7	70.0-130			3.02	25
Carbon disulfide	3.75	4.29	4.07	114	109	70.0-130			5.26	25
Carbon tetrachloride	3.75	3.72	3.56	99.2	94.9	70.0-130			4.40	25
Chlorobenzene	3.75	3.71	3.61	98.9	96.3	70.0-130			2.73	25
Chloroethane	3.75	3.79	3.50	101	93.3	70.0-130			7.96	25
Chloroform	3.75	3.78	3.59	101	95.7	70.0-130			5.16	25
Chloromethane	3.75	3.60	3.44	96.0	91.7	70.0-130			4.55	25
2-Chlorotoluene	3.75	3.74	3.71	99.7	98.9	70.0-130			0.805	25
Cyclohexane	3.75	3.90	3.85	104	103	70.0-130			1.29	25
n-Decane	3.75	4.18	4.08	111	109	70.0-130			2.42	25
Dibromochloromethane	3.75	3.67	3.59	97.9	95.7	70.0-130			2.20	25
1,2-Dibromoethane	3.75	3.84	3.68	102	98.1	70.0-130			4.26	25
1,2-Dichlorobenzene	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
1,3-Dichlorobenzene	3.75	3.84	3.77	102	101	70.0-130			1.84	25
1,4-Dichlorobenzene	3.75	3.88	3.85	103	103	70.0-130			0.776	25
1,2-Dichloroethane	3.75	3.61	3.55	96.3	94.7	70.0-130			1.68	25
1,1-Dichloroethane	3.75	3.73	3.65	99.5	97.3	70.0-130			2.17	25
1,1-Dichloroethene	3.75	3.74	3.63	99.7	96.8	70.0-130			2.99	25
cis-1,2-Dichloroethene	3.75	3.89	3.66	104	97.6	70.0-130			6.09	25
trans-1,2-Dichloroethene	3.75	3.80	3.65	101	97.3	70.0-130			4.03	25
1,2-Dichloropropane	3.75	3.59	3.47	95.7	92.5	70.0-130			3.40	25
cis-1,3-Dichloropropene	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
trans-1,3-Dichloropropene	3.75	3.82	3.77	102	101	70.0-130			1.32	25
1,4-Dioxane	3.75	4.03	3.73	107	99.5	70.0-140			7.73	25
Ethanol	3.75	3.91	3.62	104	96.5	55.0-148			7.70	25
Ethylbenzene	3.75	3.73	3.75	99.5	100	70.0-130			0.535	25
4-Ethyltoluene	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Trichlorofluoromethane	3.75	3.74	3.60	99.7	96.0	70.0-130			3.81	25
Dichlorodifluoromethane	3.75	3.79	3.62	101	96.5	64.0-139			4.59	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020327-1 01/05/24 09:10 • (LCSD) R4020327-2 01/05/24 09:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.78	3.61	101	96.3	70.0-130			4.60	25
1,2-Dichlorotetrafluoroethane	3.75	3.75	3.61	100	96.3	70.0-130			3.80	25
Heptane	3.75	3.78	3.77	101	101	70.0-130			0.265	25
Hexachloro-1,3-butadiene	3.75	3.60	3.66	96.0	97.6	70.0-151			1.65	25
n-Hexane	3.75	4.03	3.84	107	102	70.0-130			4.83	25
Isopropylbenzene	3.75	3.85	3.78	103	101	70.0-130			1.83	25
Methylene Chloride	3.75	3.75	3.60	100	96.0	70.0-130			4.08	25
Methyl Butyl Ketone	3.75	3.93	3.95	105	105	70.0-149			0.508	25
2-Butanone (MEK)	3.75	3.88	3.90	103	104	70.0-130			0.514	25
4-Methyl-2-pentanone (MIBK)	3.75	3.95	4.00	105	107	70.0-139			1.26	25
Methyl methacrylate	3.75	3.87	3.77	103	101	70.0-130			2.62	25
MTBE	3.75	4.06	3.92	108	105	70.0-130			3.51	25
Naphthalene	3.75	3.98	3.89	106	104	70.0-159			2.29	25
Nonane	3.75	3.91	3.82	104	102	70.0-130			2.33	25
Pentane	3.75	3.76	3.60	100	96.0	70.0-130			4.35	25
2-Propanol	3.75	3.79	3.67	101	97.9	70.0-139			3.22	25
Propene	3.75	3.67	3.53	97.9	94.1	64.0-144			3.89	25
Styrene	3.75	3.93	3.83	105	102	70.0-130			2.58	25
1,1,2,2-Tetrachloroethane	3.75	3.70	3.70	98.7	98.7	70.0-130			0.000	25
Tetrachloroethylene	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
Tetrahydrofuran	3.75	4.11	3.92	110	105	70.0-137			4.73	25
Toluene	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
1,2,4-Trichlorobenzene	3.75	3.84	3.73	102	99.5	70.0-160			2.91	25
1,1,1-Trichloroethane	3.75	3.77	3.67	101	97.9	70.0-130			2.69	25
1,1,2-Trichloroethane	3.75	3.58	3.62	95.5	96.5	70.0-130			1.11	25
Trichloroethylene	3.75	3.79	3.68	101	98.1	70.0-130			2.95	25
1,2,4-Trimethylbenzene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
1,3,5-Trimethylbenzene	3.75	3.92	3.89	105	104	70.0-130			0.768	25
2,2,4-Trimethylpentane	3.75	3.95	3.79	105	101	70.0-130			4.13	25
Vinyl chloride	3.75	3.71	3.56	98.9	94.9	70.0-130			4.13	25
Vinyl Bromide	3.75	3.68	3.62	98.1	96.5	70.0-130			1.64	25
Vinyl acetate	3.75	3.63	3.47	96.8	92.5	70.0-130			4.51	25
m&p-Xylene	7.50	7.91	7.64	105	102	70.0-130			3.47	25
o-Xylene	3.75	3.98	3.88	106	103	70.0-130			2.54	25
(S) 1,4-Bromofluorobenzene				*100*	*99.3*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

C159

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LL6933268

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15				Matrix
														A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water
MTWAØ1Ø1MCØØ1	Ø12865	Ø13Ø29	Ø1/Ø1/24	19Ø9	Ø1/Ø2/24 ~~1742~~ DA	1742	-28	-5	DA	✓				A-01
MTWAØ1Ø1MCØØ2	Ø15632	Ø28241	Ø1/Ø1/24	1646	Ø1/Ø2/24 ~~1540~~ DA	1547	-29	-2	DA	✓				A-02
MTWAØ1Ø1MCØØ3	Ø29143	ØØ9942	Ø1/Ø1/24	1936	Ø1/Ø2/24	1738	-28	-5	DA	✓				A-03
MTWAØ1Ø1MCØØ4	Ø21Ø59	Ø1568Ø	Ø1/Ø1/24	1956	Ø1/Ø2/24	173Ø	-29	-4	DA	✓				A-04
MTWAØ1Ø1MCØØ4CL	Ø15Ø39	Ø28284	Ø1/Ø1/24	1956	Ø1/Ø2/24	173Ø	-29	-3	DA	✓				A-05
MTWAØ1Ø2MCØØ1	Ø28Ø77	Ø22595	Ø1/Ø2/24	2227	Ø1/Ø3/24	2137	-28	-3	DA	✓				A-06
MTWAØ1Ø2MCØØ1CL	Ø28Ø74	ØØ987Ø	Ø1/Ø2/24	2227	Ø1/Ø3/24	2137	-27	-7	DA	✓				A-07
MTWAØ1Ø2MCØØ2	Ø22971	Ø11661	Ø1/Ø2/24	2245	Ø1/Ø3/24	2203	-29	-3	DA	✓				A-08

DA

8 Total

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Airs
Size: 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt

4727913244 6

T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Dillon Mahan	01.04/1120	Graynell Watkins	01.04/1120
Graynell Watkins	01.04/1240	Fed Ex	01.04/1210

SDG #

Page 1 of 1

ANALYTICAL REPORT

January 08, 2024

CTEH - ER

Sample Delivery Group:	L1693369
Samples Received:	01/05/2024
Project Number:	032692
Description:	

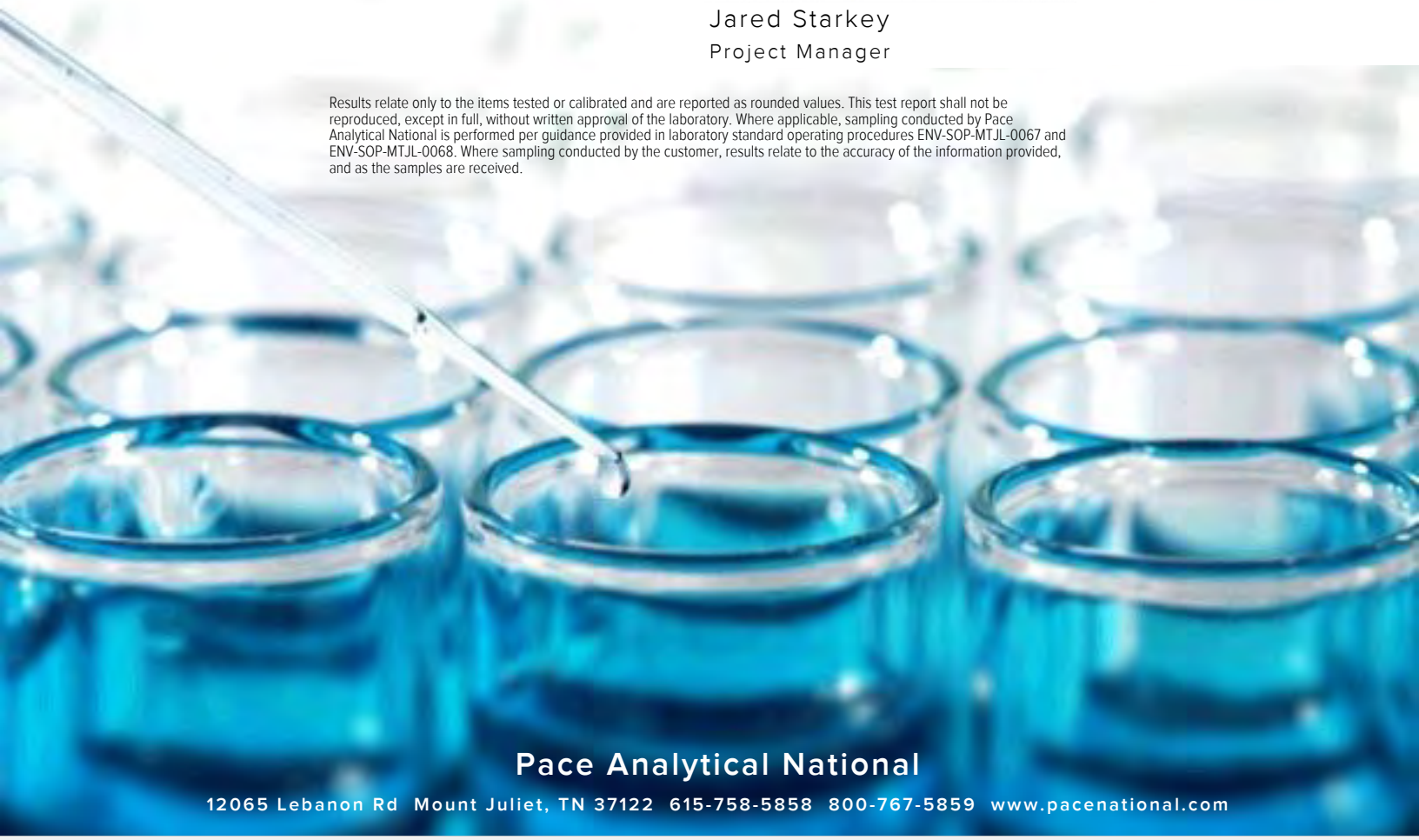
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0102MC003 L1693369-01 Air

Collected by: DA
Collected date/time: 01/03/24 22:31
Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 15:08	01/05/24 15:08	DAH	Mt. Juliet, TN

MTWA0102MC004 L1693369-02 Air

Collected by: DA
Collected date/time: 01/03/24 23:09
Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2201539	1	01/05/24 15:36	01/05/24 15:36	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0102MC003	L1693369-01	Acetone	67-64-1	58.10	1.25	2.97	8.59	20.4		1	WG2201539
MTWA0102MC003	L1693369-01	Butane	106-97-8	58	0.200	0.474	0.601	1.43		1	WG2201539
MTWA0102MC003	L1693369-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.465	0.960		1	WG2201539
MTWA0102MC003	L1693369-01	Ethanol	64-17-5	46.10	2.50	4.71	5.85	11.0		1	WG2201539
MTWA0102MC003	L1693369-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.443	2.19		1	WG2201539
MTWA0102MC003	L1693369-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.246	0.854		1	WG2201539
MTWA0102MC003	L1693369-01	Pentane	109-66-0	72.15	0.200	0.590	0.309	0.912		1	WG2201539
MTWA0102MC004	L1693369-02	Acetone	67-64-1	58.10	1.25	2.97	5.22	12.4		1	WG2201539
MTWA0102MC004	L1693369-02	Butane	106-97-8	58	0.200	0.474	1.16	2.75		1	WG2201539
MTWA0102MC004	L1693369-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.442	0.913		1	WG2201539
MTWA0102MC004	L1693369-02	Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2201539
MTWA0102MC004	L1693369-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.445	2.20		1	WG2201539
MTWA0102MC004	L1693369-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.323	1.12		1	WG2201539
MTWA0102MC004	L1693369-02	Pentane	109-66-0	72.15	0.200	0.590	0.577	1.70		1	WG2201539
MTWA0102MC004	L1693369-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.40	5.90		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.59	20.4		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	0.601	1.43		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.465	0.960		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	5.85	11.0		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.443	2.19		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.246	0.854		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	0.309	0.912		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.6*				WG2201539

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.22	12.4		1	WG2201539
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2201539
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2201539
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2201539
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2201539
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2201539
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2201539
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2201539
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2201539
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2201539
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2201539
Butane	106-97-8	58	0.200	0.474	1.16	2.75		1	WG2201539
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2201539
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2201539
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2201539
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2201539
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2201539
Chloromethane	74-87-3	50.50	0.200	0.413	0.442	0.913		1	WG2201539
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2201539
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2201539
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2201539
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2201539
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2201539
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2201539
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2201539
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2201539
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2201539
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2201539
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2201539
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2201539
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2201539
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2201539
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2201539
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2201539
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2201539
Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2201539
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2201539
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2201539
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2201539
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.445	2.20		1	WG2201539
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2201539
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2201539
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2201539
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2201539
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2201539
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2201539
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.323	1.12		1	WG2201539
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2201539
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2201539
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2201539
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2201539
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2201539
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2201539
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2201539
Pentane	109-66-0	72.15	0.200	0.590	0.577	1.70		1	WG2201539
2-Propanol	67-63-0	60.10	1.25	3.07	2.40	5.90		1	WG2201539

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2201539
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2201539
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2201539
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2201539
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2201539
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2201539
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2201539
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2201539
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2201539
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2201539
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2201539
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2201539
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2201539
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2201539
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2201539
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2201539
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2201539
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2201539
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.1*				WG2201539

Method Blank (MB)

(MB) R4020327-3 01/05/24 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	0.0727	J	0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.273	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4020327-3 01/05/24 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*95.0*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

QUALITY CONTROL SUMMARY

L1693369-01,02

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020327-1 01/05/24 09:10 • (LCSD) R4020327-2 01/05/24 09:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.03	3.65	107	97.3	70.0-130			9.90	25
Acetonitrile	18.8	18.9	18.1	101	96.3	70.0-130			4.32	25
Acrylonitrile	3.75	3.77	3.65	101	97.3	70.0-130			3.23	25
Allyl chloride	3.75	3.75	3.61	100	96.3	70.0-130			3.80	25
Benzene	3.75	3.72	3.69	99.2	98.4	70.0-130			0.810	25
Benzyl Chloride	3.75	3.59	3.58	95.7	95.5	70.0-152			0.279	25
Bromodichloromethane	3.75	3.57	3.51	95.2	93.6	70.0-130			1.69	25
Bromoform	3.75	3.58	3.51	95.5	93.6	70.0-130			1.97	25
Bromomethane	3.75	3.76	3.54	100	94.4	70.0-130			6.03	25
Bromoethane	3.75	3.73	3.62	99.5	96.5	70.0-130			2.99	25
1,3-Butadiene	3.75	3.66	3.55	97.6	94.7	70.0-130			3.05	25
Butane	3.75	3.70	3.59	98.7	95.7	70.0-130			3.02	25
Carbon disulfide	3.75	4.29	4.07	114	109	70.0-130			5.26	25
Carbon tetrachloride	3.75	3.72	3.56	99.2	94.9	70.0-130			4.40	25
Chlorobenzene	3.75	3.71	3.61	98.9	96.3	70.0-130			2.73	25
Chloroethane	3.75	3.79	3.50	101	93.3	70.0-130			7.96	25
Chloroform	3.75	3.78	3.59	101	95.7	70.0-130			5.16	25
Chloromethane	3.75	3.60	3.44	96.0	91.7	70.0-130			4.55	25
2-Chlorotoluene	3.75	3.74	3.71	99.7	98.9	70.0-130			0.805	25
Cyclohexane	3.75	3.90	3.85	104	103	70.0-130			1.29	25
n-Decane	3.75	4.18	4.08	111	109	70.0-130			2.42	25
Dibromochloromethane	3.75	3.67	3.59	97.9	95.7	70.0-130			2.20	25
1,2-Dibromoethane	3.75	3.84	3.68	102	98.1	70.0-130			4.26	25
1,2-Dichlorobenzene	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
1,3-Dichlorobenzene	3.75	3.84	3.77	102	101	70.0-130			1.84	25
1,4-Dichlorobenzene	3.75	3.88	3.85	103	103	70.0-130			0.776	25
1,2-Dichloroethane	3.75	3.61	3.55	96.3	94.7	70.0-130			1.68	25
1,1-Dichloroethane	3.75	3.73	3.65	99.5	97.3	70.0-130			2.17	25
1,1-Dichloroethene	3.75	3.74	3.63	99.7	96.8	70.0-130			2.99	25
cis-1,2-Dichloroethene	3.75	3.89	3.66	104	97.6	70.0-130			6.09	25
trans-1,2-Dichloroethene	3.75	3.80	3.65	101	97.3	70.0-130			4.03	25
1,2-Dichloropropane	3.75	3.59	3.47	95.7	92.5	70.0-130			3.40	25
cis-1,3-Dichloropropene	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
trans-1,3-Dichloropropene	3.75	3.82	3.77	102	101	70.0-130			1.32	25
1,4-Dioxane	3.75	4.03	3.73	107	99.5	70.0-140			7.73	25
Ethanol	3.75	3.91	3.62	104	96.5	55.0-148			7.70	25
Ethylbenzene	3.75	3.73	3.75	99.5	100	70.0-130			0.535	25
4-Ethyltoluene	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Trichlorofluoromethane	3.75	3.74	3.60	99.7	96.0	70.0-130			3.81	25
Dichlorodifluoromethane	3.75	3.79	3.62	101	96.5	64.0-139			4.59	25

QUALITY CONTROL SUMMARY

L1693369-01,02

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020327-1 01/05/24 09:10 • (LCSD) R4020327-2 01/05/24 09:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.78	3.61	101	96.3	70.0-130			4.60	25
1,2-Dichlorotetrafluoroethane	3.75	3.75	3.61	100	96.3	70.0-130			3.80	25
Heptane	3.75	3.78	3.77	101	101	70.0-130			0.265	25
Hexachloro-1,3-butadiene	3.75	3.60	3.66	96.0	97.6	70.0-151			1.65	25
n-Hexane	3.75	4.03	3.84	107	102	70.0-130			4.83	25
Isopropylbenzene	3.75	3.85	3.78	103	101	70.0-130			1.83	25
Methylene Chloride	3.75	3.75	3.60	100	96.0	70.0-130			4.08	25
Methyl Butyl Ketone	3.75	3.93	3.95	105	105	70.0-149			0.508	25
2-Butanone (MEK)	3.75	3.88	3.90	103	104	70.0-130			0.514	25
4-Methyl-2-pentanone (MIBK)	3.75	3.95	4.00	105	107	70.0-139			1.26	25
Methyl methacrylate	3.75	3.87	3.77	103	101	70.0-130			2.62	25
MTBE	3.75	4.06	3.92	108	105	70.0-130			3.51	25
Naphthalene	3.75	3.98	3.89	106	104	70.0-159			2.29	25
Nonane	3.75	3.91	3.82	104	102	70.0-130			2.33	25
Pentane	3.75	3.76	3.60	100	96.0	70.0-130			4.35	25
2-Propanol	3.75	3.79	3.67	101	97.9	70.0-139			3.22	25
Propene	3.75	3.67	3.53	97.9	94.1	64.0-144			3.89	25
Styrene	3.75	3.93	3.83	105	102	70.0-130			2.58	25
1,1,2,2-Tetrachloroethane	3.75	3.70	3.70	98.7	98.7	70.0-130			0.000	25
Tetrachloroethylene	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
Tetrahydrofuran	3.75	4.11	3.92	110	105	70.0-137			4.73	25
Toluene	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
1,2,4-Trichlorobenzene	3.75	3.84	3.73	102	99.5	70.0-160			2.91	25
1,1,1-Trichloroethane	3.75	3.77	3.67	101	97.9	70.0-130			2.69	25
1,1,2-Trichloroethane	3.75	3.58	3.62	95.5	96.5	70.0-130			1.11	25
Trichloroethylene	3.75	3.79	3.68	101	98.1	70.0-130			2.95	25
1,2,4-Trimethylbenzene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
1,3,5-Trimethylbenzene	3.75	3.92	3.89	105	104	70.0-130			0.768	25
2,2,4-Trimethylpentane	3.75	3.95	3.79	105	101	70.0-130			4.13	25
Vinyl chloride	3.75	3.71	3.56	98.9	94.9	70.0-130			4.13	25
Vinyl Bromide	3.75	3.68	3.62	98.1	96.5	70.0-130			1.64	25
Vinyl acetate	3.75	3.63	3.47	96.8	92.5	70.0-130			4.51	25
m&p-Xylene	7.50	7.91	7.64	105	102	70.0-130			3.47	25
o-Xylene	3.75	3.98	3.88	106	103	70.0-130			2.54	25
(S) 1,4-Bromofluorobenzene				*100*	*99.3*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

A013

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; jmreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ UL933289

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA01020MC0003	028039	011429	01/02/24	2257	01/03/24	2231	-28	-3	DA	✓				A -01
MTWA01020MC0004	028100	010287	01/02/24	2309	01/03/24	2309	-28	-6	DA	✓				A -02

Sample Receipt Checklist
D/C Seal Present/Intact: Y N Airs
C/C Signed/Accurate: Y N Size: 1L 6L 1.4L
Bottles arrive intact: Y N Tage Color: G W P B
Correct bottles used: Y N Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Dillon Mahan	01.04/1129	Gaynell Patten	01.04/1129	N. Jarvis 1/5/24 0900
Gaynell Patten	01.04/1210	Fed Ex	01.04/1210	

SDG# _____

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ANALYTICAL REPORT

January 09, 2024

CTEH - ER

Sample Delivery Group:	L1694149
Samples Received:	01/09/2024
Project Number:	032692
Description:	

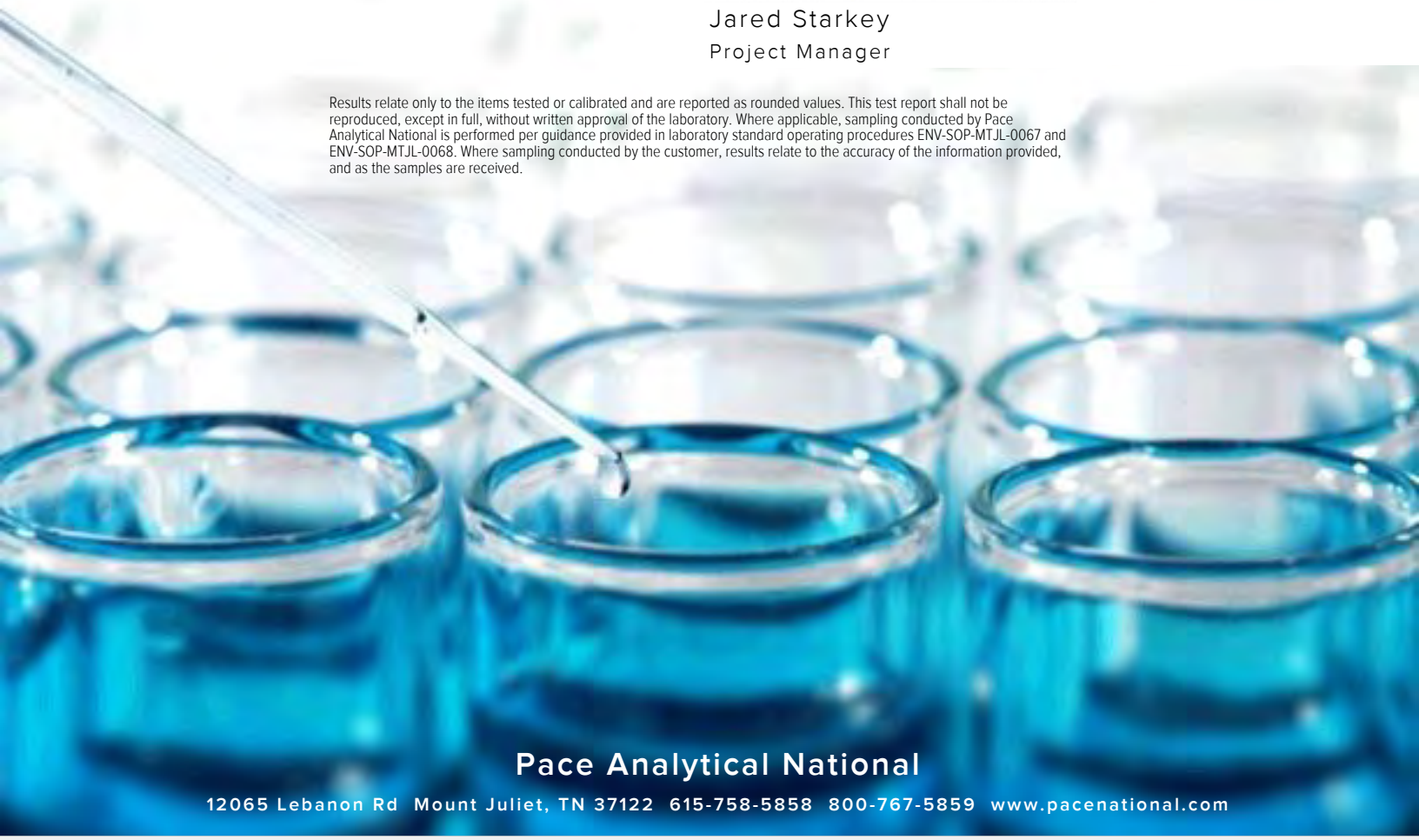
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA0106MC001 L1694149-01 Air

Collected by: DA | Collected date/time: 01/07/24 20:14 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203553	1	01/09/24 12:00	01/09/24 12:00	DBB	Mt. Juliet, TN

MTWA0106MC001CL L1694149-02 Air

Collected by: DA | Collected date/time: 01/07/24 20:14 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203553	1	01/09/24 12:39	01/09/24 12:39	DBB	Mt. Juliet, TN

MTWA0106MC002 L1694149-03 Air

Collected by: DA | Collected date/time: 01/07/24 20:35 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203553	1	01/09/24 13:18	01/09/24 13:18	DBB	Mt. Juliet, TN

MTWA0106MC003 L1694149-04 Air

Collected by: DA | Collected date/time: 01/07/24 21:15 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203553	1	01/09/24 13:57	01/09/24 13:57	DBB	Mt. Juliet, TN

MTWA0106MC004 L1694149-05 Air

Collected by: DA | Collected date/time: 01/07/24 21:28 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203553	1	01/09/24 14:36	01/09/24 14:36	DBB	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0106MC001	L1694149-01	Acetone	67-64-1	58.10	1.25	2.97	4.88	11.6		1	WG2203553
MTWA0106MC001	L1694149-01	Benzene	71-43-2	78.10	0.200	0.639	0.373	1.19		1	WG2203553
MTWA0106MC001	L1694149-01	Butane	106-97-8	58	0.200	0.474	0.835	1.98		1	WG2203553
MTWA0106MC001	L1694149-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.574	1.19		1	WG2203553
MTWA0106MC001	L1694149-01	Ethanol	64-17-5	46.10	2.50	4.71	7.35	13.9		1	WG2203553
MTWA0106MC001	L1694149-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.229	1.29		1	WG2203553
MTWA0106MC001	L1694149-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.518	2.56		1	WG2203553
MTWA0106MC001	L1694149-01	Heptane	142-82-5	100	0.200	0.818	0.203	0.830		1	WG2203553
MTWA0106MC001	L1694149-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.218	0.757		1	WG2203553
MTWA0106MC001	L1694149-01	Pentane	109-66-0	72.15	0.200	0.590	0.440	1.30		1	WG2203553
MTWA0106MC001	L1694149-01	Toluene	108-88-3	92.10	0.500	1.88	2.23	8.40		1	WG2203553
MTWA0106MC001	L1694149-01	m&p-Xylene	179601-23-1	106	0.400	1.73	0.418	1.81		1	WG2203553
MTWA0106MC001CL	L1694149-02	Acetone	67-64-1	58.10	1.25	2.97	3.77	8.96		1	WG2203553
MTWA0106MC001CL	L1694149-02	Benzene	71-43-2	78.10	0.200	0.639	0.356	1.14		1	WG2203553
MTWA0106MC001CL	L1694149-02	Butane	106-97-8	58	0.200	0.474	0.897	2.13		1	WG2203553
MTWA0106MC001CL	L1694149-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.653	1.35		1	WG2203553
MTWA0106MC001CL	L1694149-02	Ethanol	64-17-5	46.10	2.50	4.71	7.95	15.0		1	WG2203553
MTWA0106MC001CL	L1694149-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.232	1.30		1	WG2203553
MTWA0106MC001CL	L1694149-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2203553
MTWA0106MC001CL	L1694149-02	Heptane	142-82-5	100	0.200	0.818	0.249	1.02		1	WG2203553
MTWA0106MC001CL	L1694149-02	Pentane	109-66-0	72.15	0.200	0.590	0.550	1.62		1	WG2203553
MTWA0106MC001CL	L1694149-02	Toluene	108-88-3	92.10	0.500	1.88	1.78	6.71		1	WG2203553
MTWA0106MC001CL	L1694149-02	m&p-Xylene	179601-23-1	106	0.400	1.73	0.416	1.80		1	WG2203553
MTWA0106MC002	L1694149-03	Acetone	67-64-1	58.10	1.25	2.97	2.21	5.25		1	WG2203553
MTWA0106MC002	L1694149-03	Benzene	71-43-2	78.10	0.200	0.639	0.237	0.757		1	WG2203553
MTWA0106MC002	L1694149-03	Butane	106-97-8	58	0.200	0.474	0.933	2.21		1	WG2203553
MTWA0106MC002	L1694149-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.523	1.08		1	WG2203553
MTWA0106MC002	L1694149-03	Ethanol	64-17-5	46.10	2.50	4.71	17.9	33.8		1	WG2203553
MTWA0106MC002	L1694149-03	Ethylbenzene	100-41-4	106	0.200	0.867	0.286	1.24		1	WG2203553
MTWA0106MC002	L1694149-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG2203553
MTWA0106MC002	L1694149-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.500	2.47		1	WG2203553
MTWA0106MC002	L1694149-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.205	0.712		1	WG2203553
MTWA0106MC002	L1694149-03	Nonane	111-84-2	128.26	0.200	1.05	0.388	2.04		1	WG2203553
MTWA0106MC002	L1694149-03	Pentane	109-66-0	72.15	0.200	0.590	1.05	3.10		1	WG2203553
MTWA0106MC002	L1694149-03	2-Propanol	67-63-0	60.10	1.25	3.07	1.43	3.52		1	WG2203553
MTWA0106MC002	L1694149-03	Toluene	108-88-3	92.10	0.500	1.88	0.641	2.41		1	WG2203553
MTWA0106MC002	L1694149-03	m&p-Xylene	179601-23-1	106	0.400	1.73	1.00	4.34		1	WG2203553
MTWA0106MC002	L1694149-03	o-Xylene	95-47-6	106	0.200	0.867	0.284	1.23		1	WG2203553
MTWA0106MC003	L1694149-04	Acetone	67-64-1	58.10	1.25	2.97	8.98	21.3		1	WG2203553
MTWA0106MC003	L1694149-04	Benzene	71-43-2	78.10	0.200	0.639	0.578	1.85		1	WG2203553
MTWA0106MC003	L1694149-04	Butane	106-97-8	58	0.200	0.474	0.837	1.99		1	WG2203553
MTWA0106MC003	L1694149-04	Chloroethane	75-00-3	64.50	0.200	0.528	0.357	0.942		1	WG2203553
MTWA0106MC003	L1694149-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.817	1.69		1	WG2203553
MTWA0106MC003	L1694149-04	trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.430	1.70		1	WG2203553
MTWA0106MC003	L1694149-04	Ethanol	64-17-5	46.10	2.50	4.71	21.4	40.3		1	WG2203553
MTWA0106MC003	L1694149-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.231	1.30		1	WG2203553
MTWA0106MC003	L1694149-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2203553
MTWA0106MC003	L1694149-04	Heptane	142-82-5	100	0.200	0.818	0.353	1.44		1	WG2203553
MTWA0106MC003	L1694149-04	Pentane	109-66-0	72.15	0.200	0.590	0.487	1.44		1	WG2203553
MTWA0106MC003	L1694149-04	Toluene	108-88-3	92.10	0.500	1.88	2.86	10.8		1	WG2203553
MTWA0106MC003	L1694149-04	m&p-Xylene	179601-23-1	106	0.400	1.73	0.631	2.74		1	WG2203553
MTWA0106MC003	L1694149-04	o-Xylene	95-47-6	106	0.200	0.867	0.259	1.12		1	WG2203553

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0106MC004	L1694149-05	Acetone	67-64-1	58.10	1.25	2.97	5.96	14.2		1	WG2203553
MTWA0106MC004	L1694149-05	Benzene	71-43-2	78.10	0.200	0.639	0.501	1.60		1	WG2203553
MTWA0106MC004	L1694149-05	Butane	106-97-8	58	0.200	0.474	0.714	1.69		1	WG2203553
MTWA0106MC004	L1694149-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.623	1.29		1	WG2203553
MTWA0106MC004	L1694149-05	trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.940	3.73		1	WG2203553
MTWA0106MC004	L1694149-05	Ethanol	64-17-5	46.10	2.50	4.71	6.96	13.1		1	WG2203553
MTWA0106MC004	L1694149-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG2203553
MTWA0106MC004	L1694149-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.505	2.50		1	WG2203553
MTWA0106MC004	L1694149-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.209	0.726		1	WG2203553
MTWA0106MC004	L1694149-05	Pentane	109-66-0	72.15	0.200	0.590	0.248	0.732		1	WG2203553
MTWA0106MC004	L1694149-05	Toluene	108-88-3	92.10	0.500	1.88	1.30	4.90		1	WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.88	11.6		1	WG2203553
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203553
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203553
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203553
Benzene	71-43-2	78.10	0.200	0.639	0.373	1.19		1	WG2203553
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203553
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203553
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203553
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203553
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203553
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203553
Butane	106-97-8	58	0.200	0.474	0.835	1.98		1	WG2203553
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203553
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203553
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203553
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203553
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203553
Chloromethane	74-87-3	50.50	0.200	0.413	0.574	1.19		1	WG2203553
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203553
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203553
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203553
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203553
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203553
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203553
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203553
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203553
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203553
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203553
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203553
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203553
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203553
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203553
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203553
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203553
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203553
Ethanol	64-17-5	46.10	2.50	4.71	7.35	13.9		1	WG2203553
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203553
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203553
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.229	1.29		1	WG2203553
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.518	2.56		1	WG2203553
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203553
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203553
Heptane	142-82-5	100	0.200	0.818	0.203	0.830		1	WG2203553
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203553
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203553
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203553
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.218	0.757		1	WG2203553
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203553
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203553
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203553
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203553
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203553
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203553
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203553
Pentane	109-66-0	72.15	0.200	0.590	0.440	1.30		1	WG2203553
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203553
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203553
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203553
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203553
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203553
Toluene	108-88-3	92.10	0.500	1.88	2.23	8.40		1	WG2203553
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203553
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203553
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203553
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203553
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203553
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203553
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203553
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203553
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203553
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203553
m&p-Xylene	179601-23-1	106	0.400	1.73	0.418	1.81		1	WG2203553
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203553
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.0*				WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.77	8.96		1	WG2203553
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203553
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203553
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203553
Benzene	71-43-2	78.10	0.200	0.639	0.356	1.14		1	WG2203553
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203553
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203553
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203553
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203553
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203553
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203553
Butane	106-97-8	58	0.200	0.474	0.897	2.13		1	WG2203553
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203553
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203553
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203553
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203553
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203553
Chloromethane	74-87-3	50.50	0.200	0.413	0.653	1.35		1	WG2203553
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203553
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203553
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203553
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203553
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203553
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203553
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203553
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203553
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203553
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203553
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203553
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203553
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203553
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203553
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203553
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203553
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203553
Ethanol	64-17-5	46.10	2.50	4.71	7.95	15.0		1	WG2203553
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203553
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203553
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.232	1.30		1	WG2203553
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2203553
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203553
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203553
Heptane	142-82-5	100	0.200	0.818	0.249	1.02		1	WG2203553
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203553
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203553
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203553
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2203553
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203553
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203553
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203553
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203553
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203553
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203553
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203553
Pentane	109-66-0	72.15	0.200	0.590	0.550	1.62		1	WG2203553
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203553
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203553
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203553
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203553
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203553
Toluene	108-88-3	92.10	0.500	1.88	1.78	6.71		1	WG2203553
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203553
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203553
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203553
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203553
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203553
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203553
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203553
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203553
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203553
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203553
m&p-Xylene	179601-23-1	106	0.400	1.73	0.416	1.80		1	WG2203553
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203553
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.21	5.25		1	WG2203553
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203553
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203553
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203553
Benzene	71-43-2	78.10	0.200	0.639	0.237	0.757		1	WG2203553
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203553
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203553
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203553
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203553
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203553
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203553
Butane	106-97-8	58	0.200	0.474	0.933	2.21		1	WG2203553
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203553
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203553
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203553
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203553
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203553
Chloromethane	74-87-3	50.50	0.200	0.413	0.523	1.08		1	WG2203553
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203553
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203553
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203553
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203553
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203553
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203553
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203553
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203553
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203553
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203553
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203553
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203553
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203553
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203553
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203553
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203553
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203553
Ethanol	64-17-5	46.10	2.50	4.71	17.9	33.8		1	WG2203553
Ethylbenzene	100-41-4	106	0.200	0.867	0.286	1.24		1	WG2203553
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203553
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG2203553
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.500	2.47		1	WG2203553
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203553
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203553
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203553
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203553
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203553
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203553
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.205	0.712		1	WG2203553
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203553
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203553
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203553
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203553
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203553
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203553
Nonane	111-84-2	128.26	0.200	1.05	0.388	2.04		1	WG2203553
Pentane	109-66-0	72.15	0.200	0.590	1.05	3.10		1	WG2203553
2-Propanol	67-63-0	60.10	1.25	3.07	1.43	3.52		1	WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203553
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203553
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203553
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203553
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203553
Toluene	108-88-3	92.10	0.500	1.88	0.641	2.41		1	WG2203553
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203553
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203553
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203553
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203553
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203553
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203553
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203553
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203553
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203553
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203553
m&p-Xylene	179601-23-1	106	0.400	1.73	1.00	4.34		1	WG2203553
o-Xylene	95-47-6	106	0.200	0.867	0.284	1.23		1	WG2203553
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.4*				WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.98	21.3		1	WG2203553
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203553
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203553
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203553
Benzene	71-43-2	78.10	0.200	0.639	0.578	1.85		1	WG2203553
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203553
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203553
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203553
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203553
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203553
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203553
Butane	106-97-8	58	0.200	0.474	0.837	1.99		1	WG2203553
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203553
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203553
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203553
Chloroethane	75-00-3	64.50	0.200	0.528	0.357	0.942		1	WG2203553
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203553
Chloromethane	74-87-3	50.50	0.200	0.413	0.817	1.69		1	WG2203553
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203553
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203553
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203553
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203553
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203553
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203553
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203553
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203553
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203553
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203553
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203553
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203553
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.430	1.70		1	WG2203553
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203553
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203553
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203553
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203553
Ethanol	64-17-5	46.10	2.50	4.71	21.4	40.3		1	WG2203553
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203553
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203553
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.231	1.30		1	WG2203553
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2203553
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203553
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203553
Heptane	142-82-5	100	0.200	0.818	0.353	1.44		1	WG2203553
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203553
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203553
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203553
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2203553
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203553
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203553
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203553
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203553
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203553
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203553
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203553
Pentane	109-66-0	72.15	0.200	0.590	0.487	1.44		1	WG2203553
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203553
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203553
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203553
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203553
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203553
Toluene	108-88-3	92.10	0.500	1.88	2.86	10.8		1	WG2203553
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203553
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203553
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203553
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203553
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203553
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203553
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203553
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203553
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203553
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203553
m&p-Xylene	179601-23-1	106	0.400	1.73	0.631	2.74		1	WG2203553
o-Xylene	95-47-6	106	0.200	0.867	0.259	1.12		1	WG2203553
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.96	14.2		1	WG2203553
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203553
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203553
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203553
Benzene	71-43-2	78.10	0.200	0.639	0.501	1.60		1	WG2203553
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203553
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203553
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203553
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203553
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203553
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203553
Butane	106-97-8	58	0.200	0.474	0.714	1.69		1	WG2203553
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203553
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203553
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203553
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203553
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203553
Chloromethane	74-87-3	50.50	0.200	0.413	0.623	1.29		1	WG2203553
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203553
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203553
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203553
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203553
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203553
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203553
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203553
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203553
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203553
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203553
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203553
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203553
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.940	3.73		1	WG2203553
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203553
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203553
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203553
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203553
Ethanol	64-17-5	46.10	2.50	4.71	6.96	13.1		1	WG2203553
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203553
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203553
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG2203553
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.505	2.50		1	WG2203553
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203553
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203553
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203553
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203553
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203553
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203553
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.209	0.726		1	WG2203553
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203553
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203553
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203553
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203553
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203553
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203553
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203553
Pentane	109-66-0	72.15	0.200	0.590	0.248	0.732		1	WG2203553
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203553

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203553
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203553
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203553
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203553
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203553
Toluene	108-88-3	92.10	0.500	1.88	1.30	4.90		1	WG2203553
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203553
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203553
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203553
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203553
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203553
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203553
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203553
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203553
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203553
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203553
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203553
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203553
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2203553

Method Blank (MB)

(MB) R4021339-2 01/09/24 10:32

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.518	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4021339-2 01/09/24 10:32

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.3*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021339-1 01/09/24 09:54 • (LCSD) R4021339-3 01/09/24 11:12

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.04	4.07	108	109	70.0-130			0.740	25
Acetonitrile	18.8	19.9	19.4	106	103	70.0-130			2.54	25
Acrylonitrile	3.75	3.95	4.01	105	107	70.0-130			1.51	25
Allyl chloride	3.75	3.69	4.19	98.4	112	70.0-130			12.7	25
Benzene	3.75	4.11	4.14	110	110	70.0-130			0.727	25
Benzyl Chloride	3.75	4.29	4.33	114	115	70.0-152			0.928	25
Bromodichloromethane	3.75	4.10	4.17	109	111	70.0-130			1.69	25
Bromoform	3.75	4.06	4.13	108	110	70.0-130			1.71	25
Bromomethane	3.75	4.03	4.09	107	109	70.0-130			1.48	25
Bromoethane	3.75	4.06	4.14	108	110	70.0-130			1.95	25
1,3-Butadiene	3.75	3.93	3.81	105	102	70.0-130			3.10	25
Butane	3.75	4.18	4.02	111	107	70.0-130			3.90	25
Carbon disulfide	3.75	4.02	4.09	107	109	70.0-130			1.73	25
Carbon tetrachloride	3.75	4.11	4.22	110	113	70.0-130			2.64	25
Chlorobenzene	3.75	4.20	4.28	112	114	70.0-130			1.89	25
Chloroethane	3.75	4.07	4.13	109	110	70.0-130			1.46	25
Chloroform	3.75	4.10	4.17	109	111	70.0-130			1.69	25
Chloromethane	3.75	4.06	3.97	108	106	70.0-130			2.24	25
2-Chlorotoluene	3.75	4.10	4.17	109	111	70.0-130			1.69	25
Cyclohexane	3.75	4.09	4.14	109	110	70.0-130			1.22	25
n-Decane	3.75	4.34	4.41	116	118	70.0-130			1.60	25
Dibromochloromethane	3.75	4.17	4.17	111	111	70.0-130			0.000	25
1,2-Dibromoethane	3.75	4.16	4.19	111	112	70.0-130			0.719	25
1,2-Dichlorobenzene	3.75	4.20	4.25	112	113	70.0-130			1.18	25
1,3-Dichlorobenzene	3.75	4.22	4.28	113	114	70.0-130			1.41	25
1,4-Dichlorobenzene	3.75	4.25	4.33	113	115	70.0-130			1.86	25
1,2-Dichloroethane	3.75	4.20	4.27	112	114	70.0-130			1.65	25
1,1-Dichloroethane	3.75	4.02	4.11	107	110	70.0-130			2.21	25
1,1-Dichloroethene	3.75	4.01	4.09	107	109	70.0-130			1.98	25
cis-1,2-Dichloroethene	3.75	4.01	4.05	107	108	70.0-130			0.993	25
trans-1,2-Dichloroethene	3.75	4.03	4.08	107	109	70.0-130			1.23	25
1,2-Dichloropropane	3.75	4.04	4.11	108	110	70.0-130			1.72	25
cis-1,3-Dichloropropene	3.75	4.11	4.10	110	109	70.0-130			0.244	25
trans-1,3-Dichloropropene	3.75	4.16	4.15	111	111	70.0-130			0.241	25
1,4-Dioxane	3.75	4.19	4.16	112	111	70.0-140			0.719	25
Ethanol	3.75	4.12	4.16	110	111	55.0-148			0.966	25
Ethylbenzene	3.75	4.10	4.17	109	111	70.0-130			1.69	25
4-Ethyltoluene	3.75	4.17	4.26	111	114	70.0-130			2.14	25
Trichlorofluoromethane	3.75	4.09	4.21	109	112	70.0-130			2.89	25
Dichlorodifluoromethane	3.75	4.18	4.24	111	113	64.0-139			1.43	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021339-1 01/09/24 09:54 • (LCSD) R4021339-3 01/09/24 11:12

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.04	4.15	108	111	70.0-130			2.69	25
1,2-Dichlorotetrafluoroethane	3.75	4.08	4.14	109	110	70.0-130			1.46	25
Heptane	3.75	4.19	4.23	112	113	70.0-130			0.950	25
Hexachloro-1,3-butadiene	3.75	4.10	4.14	109	110	70.0-151			0.971	25
n-Hexane	3.75	4.01	4.08	107	109	70.0-130			1.73	25
Isopropylbenzene	3.75	4.17	4.25	111	113	70.0-130			1.90	25
Methylene Chloride	3.75	3.94	4.00	105	107	70.0-130			1.51	25
Methyl Butyl Ketone	3.75	4.21	4.21	112	112	70.0-149			0.000	25
2-Butanone (MEK)	3.75	4.04	4.12	108	110	70.0-130			1.96	25
4-Methyl-2-pentanone (MIBK)	3.75	4.16	4.13	111	110	70.0-139			0.724	25
Methyl methacrylate	3.75	4.05	4.09	108	109	70.0-130			0.983	25
MTBE	3.75	4.10	4.14	109	110	70.0-130			0.971	25
Naphthalene	3.75	4.19	4.13	112	110	70.0-159			1.44	25
Nonane	3.75	4.12	4.13	110	110	70.0-130			0.242	25
Pentane	3.75	3.90	4.01	104	107	70.0-130			2.78	25
2-Propanol	3.75	4.15	4.20	111	112	70.0-139			1.20	25
Propene	3.75	4.00	4.01	107	107	64.0-144			0.250	25
Styrene	3.75	4.14	4.17	110	111	70.0-130			0.722	25
1,1,2,2-Tetrachloroethane	3.75	4.03	4.12	107	110	70.0-130			2.21	25
Tetrachloroethylene	3.75	4.20	4.23	112	113	70.0-130			0.712	25
Tetrahydrofuran	3.75	3.99	4.03	106	107	70.0-137			0.998	25
Toluene	3.75	4.18	4.21	111	112	70.0-130			0.715	25
1,2,4-Trichlorobenzene	3.75	4.09	4.06	109	108	70.0-160			0.736	25
1,1,1-Trichloroethane	3.75	4.06	4.14	108	110	70.0-130			1.95	25
1,1,2-Trichloroethane	3.75	4.09	4.07	109	109	70.0-130			0.490	25
Trichloroethylene	3.75	4.14	4.18	110	111	70.0-130			0.962	25
1,2,4-Trimethylbenzene	3.75	4.17	4.26	111	114	70.0-130			2.14	25
1,3,5-Trimethylbenzene	3.75	4.24	4.29	113	114	70.0-130			1.17	25
2,2,4-Trimethylpentane	3.75	4.07	4.11	109	110	70.0-130			0.978	25
Vinyl chloride	3.75	4.12	3.99	110	106	70.0-130			3.21	25
Vinyl Bromide	3.75	4.01	4.16	107	111	70.0-130			3.67	25
Vinyl acetate	3.75	4.12	4.18	110	111	70.0-130			1.45	25
m&p-Xylene	7.50	8.30	8.40	111	112	70.0-130			1.20	25
o-Xylene	3.75	4.13	4.19	110	112	70.0-130			1.44	25
(S) 1,4-Bromofluorobenzene				*100*	*101*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

C229

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com ; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LIL694149

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix
														A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water
MTWA01106MC0001	015675	015435	01/06/24	2142	01/07/24	2014	-30	-6	DA	✓				A-01
MTWA01106MC0001CL	01056	028252	01/06/24	2142	01/07/24	2014	-28	-2	DA	✓				A-02
MTWA01106MC0002	021177	029332	01/06/24	2211	01/07/24	2035	-28	-4	DA	✓				A-03
MTWA01106MC0003	029333	015692	01/06/24	2227	01/07/24	2115	-28	-3	DA	✓				A-04
MTWA01106MC0004	01058 24	015374	01/06/24	2129	01/07/24	2128	-28	-3	DA	✓				A-05

DA

DA

5 Total

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Airs
Size: X 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Dillon Mahan	01.08/1300		01.08/13.00	
	01.08/1330	FedEx	01.08/13:30	

SDG # _____

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19.29 0800

ANALYTICAL REPORT

January 09, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

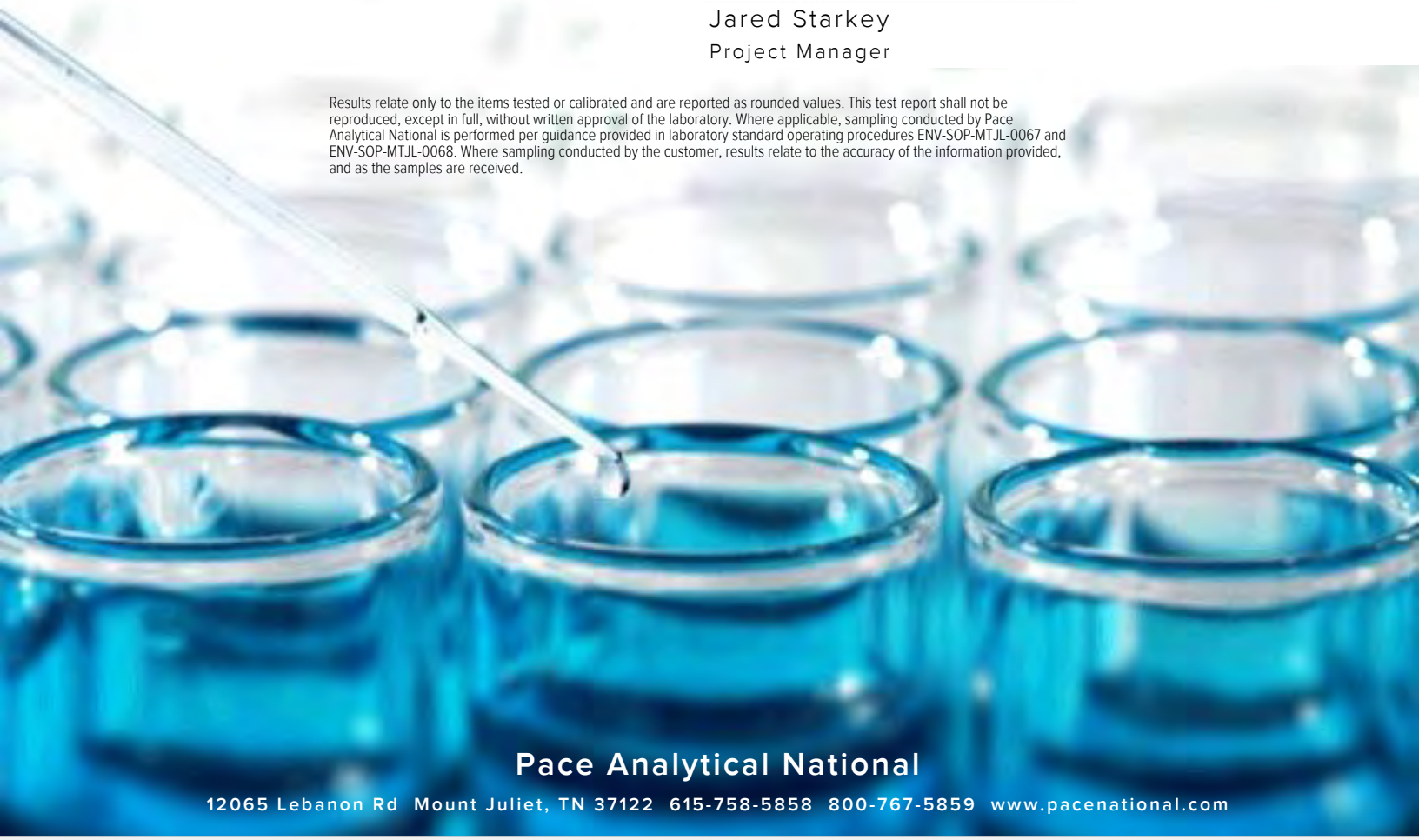
CTEH - ER

Sample Delivery Group:	L1694151
Samples Received:	01/09/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0103MC001 L1694151-01 Air

Collected by: DA | Collected date/time: 01/04/24 21:52 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203555	1	01/09/24 11:54	01/09/24 11:54	DBB	Mt. Juliet, TN

MTWA0103MC002 L1694151-02 Air

Collected by: DA | Collected date/time: 01/04/24 22:08 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203555	1	01/09/24 12:32	01/09/24 12:32	DBB	Mt. Juliet, TN

MTWA0103MC002CL L1694151-03 Air

Collected by: DA | Collected date/time: 01/04/24 22:08 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203555	1	01/09/24 13:11	01/09/24 13:11	DBB	Mt. Juliet, TN

MTWA0103MC003 L1694151-04 Air

Collected by: DA | Collected date/time: 01/04/24 22:36 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203555	1	01/09/24 13:49	01/09/24 13:49	DBB	Mt. Juliet, TN

MTWA0103MC004 L1694151-05 Air

Collected by: DA | Collected date/time: 01/04/24 23:00 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203555	1	01/09/24 14:27	01/09/24 14:27	DBB	Mt. Juliet, TN

MTWA0104MC001 L1694151-06 Air

Collected by: DA | Collected date/time: 01/05/24 17:51 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203557	1	01/09/24 11:35	01/09/24 11:35	DBB	Mt. Juliet, TN

MTWA0104MC002 L1694151-07 Air

Collected by: DA | Collected date/time: 01/05/24 20:03 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203557	1	01/09/24 12:15	01/09/24 12:15	DBB	Mt. Juliet, TN

MTWA0104MC003 L1694151-08 Air

Collected by: DA | Collected date/time: 01/05/24 20:14 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203557	1	01/09/24 12:55	01/09/24 12:55	DBB	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2203555	Ethanol	L1694151-01, 03, 04, 05

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2203557	(LCSD) R4021326-2, L1694151-06, 07, 08	Isopropylbenzene

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0103MC001	L1694151-01	Acetone	67-64-1	58.10	1.25	2.97	2.27	5.39		1	WG2203555
MTWA0103MC001	L1694151-01	Butane	106-97-8	58	0.200	0.474	0.468	1.11		1	WG2203555
MTWA0103MC001	L1694151-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.514	1.06		1	WG2203555
MTWA0103MC001	L1694151-01	Ethanol	64-17-5	46.10	2.50	4.71	2.67	5.03	B	1	WG2203555
MTWA0103MC001	L1694151-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG2203555
MTWA0103MC001	L1694151-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.403	1.99		1	WG2203555
MTWA0103MC001	L1694151-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.247	0.858		1	WG2203555
MTWA0103MC002	L1694151-02	Acetone	67-64-1	58.10	1.25	2.97	7.26	17.3		1	WG2203555
MTWA0103MC002	L1694151-02	Butane	106-97-8	58	0.200	0.474	0.443	1.05		1	WG2203555
MTWA0103MC002	L1694151-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.513	1.06		1	WG2203555
MTWA0103MC002	L1694151-02	Ethanol	64-17-5	46.10	2.50	4.71	8.44	15.9		1	WG2203555
MTWA0103MC002	L1694151-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2203555
MTWA0103MC002	L1694151-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.444	2.20		1	WG2203555
MTWA0103MC002	L1694151-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.251	0.872		1	WG2203555
MTWA0103MC002	L1694151-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.07	5.09		1	WG2203555
MTWA0103MC002CL	L1694151-03	Acetone	67-64-1	58.10	1.25	2.97	4.43	10.5		1	WG2203555
MTWA0103MC002CL	L1694151-03	Benzene	71-43-2	78.10	0.200	0.639	0.302	0.965		1	WG2203555
MTWA0103MC002CL	L1694151-03	Butane	106-97-8	58	0.200	0.474	0.418	0.992		1	WG2203555
MTWA0103MC002CL	L1694151-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.517	1.07		1	WG2203555
MTWA0103MC002CL	L1694151-03	Ethanol	64-17-5	46.10	2.50	4.71	5.74	10.8	B	1	WG2203555
MTWA0103MC002CL	L1694151-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203555
MTWA0103MC002CL	L1694151-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.438	2.17		1	WG2203555
MTWA0103MC002CL	L1694151-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.265	0.920		1	WG2203555
MTWA0103MC002CL	L1694151-03	Toluene	108-88-3	92.10	0.500	1.88	1.41	5.31		1	WG2203555
MTWA0103MC003	L1694151-04	Acetone	67-64-1	58.10	1.25	2.97	2.41	5.73		1	WG2203555
MTWA0103MC003	L1694151-04	Butane	106-97-8	58	0.200	0.474	0.362	0.859		1	WG2203555
MTWA0103MC003	L1694151-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.511	1.06		1	WG2203555
MTWA0103MC003	L1694151-04	Ethanol	64-17-5	46.10	2.50	4.71	3.82	7.20	B	1	WG2203555
MTWA0103MC003	L1694151-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2203555
MTWA0103MC003	L1694151-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.437	2.16		1	WG2203555
MTWA0103MC003	L1694151-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.263	0.913		1	WG2203555
MTWA0103MC004	L1694151-05	Acetone	67-64-1	58.10	1.25	2.97	6.06	14.4		1	WG2203555
MTWA0103MC004	L1694151-05	Benzene	71-43-2	78.10	0.200	0.639	0.605	1.93		1	WG2203555
MTWA0103MC004	L1694151-05	Butane	106-97-8	58	0.200	0.474	0.404	0.958		1	WG2203555
MTWA0103MC004	L1694151-05	Chloromethane	74-87-3	50.50	0.200	0.413	1.77	3.66		1	WG2203555
MTWA0103MC004	L1694151-05	Ethanol	64-17-5	46.10	2.50	4.71	5.40	10.2	B	1	WG2203555
MTWA0103MC004	L1694151-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203555
MTWA0103MC004	L1694151-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.446	2.21		1	WG2203555
MTWA0103MC004	L1694151-05	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.228	1.12		1	WG2203555
MTWA0103MC004	L1694151-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.245	0.851		1	WG2203555
MTWA0103MC004	L1694151-05	Toluene	108-88-3	92.10	0.500	1.88	1.67	6.29		1	WG2203555
MTWA0104MC001	L1694151-06	Acetone	67-64-1	58.10	1.25	2.97	3.19	7.58		1	WG2203557
MTWA0104MC001	L1694151-06	Benzene	71-43-2	78.10	0.200	0.639	0.276	0.882		1	WG2203557
MTWA0104MC001	L1694151-06	Butane	106-97-8	58	0.200	0.474	1.06	2.51		1	WG2203557
MTWA0104MC001	L1694151-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.504	1.04		1	WG2203557
MTWA0104MC001	L1694151-06	Ethanol	64-17-5	46.10	2.50	4.71	33.1	62.4		1	WG2203557
MTWA0104MC001	L1694151-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203557
MTWA0104MC001	L1694151-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.319	1.58		1	WG2203557
MTWA0104MC001	L1694151-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.454	1.58		1	WG2203557
MTWA0104MC001	L1694151-06	Pentane	109-66-0	72.15	0.200	0.590	1.21	3.57		1	WG2203557
MTWA0104MC001	L1694151-06	Toluene	108-88-3	92.10	0.500	1.88	0.861	3.24		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0104MC002	L1694151-07	Acetone	67-64-1	58.10	1.25	2.97	4.88	11.6		1	WG2203557
MTWA0104MC002	L1694151-07	Benzene	71-43-2	78.10	0.200	0.639	0.321	1.03		1	WG2203557
MTWA0104MC002	L1694151-07	Butane	106-97-8	58	0.200	0.474	0.476	1.13		1	WG2203557
MTWA0104MC002	L1694151-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.503	1.04		1	WG2203557
MTWA0104MC002	L1694151-07	Ethanol	64-17-5	46.10	2.50	4.71	9.40	17.7		1	WG2203557
MTWA0104MC002	L1694151-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203557
MTWA0104MC002	L1694151-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.314	1.55		1	WG2203557
MTWA0104MC002	L1694151-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.254	0.882		1	WG2203557
MTWA0104MC002	L1694151-07	Toluene	108-88-3	92.10	0.500	1.88	0.772	2.91		1	WG2203557
MTWA0104MC003	L1694151-08	Acetone	67-64-1	58.10	1.25	2.97	4.38	10.4		1	WG2203557
MTWA0104MC003	L1694151-08	Butane	106-97-8	58	0.200	0.474	0.515	1.22		1	WG2203557
MTWA0104MC003	L1694151-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.524	1.08		1	WG2203557
MTWA0104MC003	L1694151-08	Ethanol	64-17-5	46.10	2.50	4.71	14.5	27.3		1	WG2203557
MTWA0104MC003	L1694151-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.220	1.24		1	WG2203557
MTWA0104MC003	L1694151-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.399	1.97		1	WG2203557
MTWA0104MC003	L1694151-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.290	1.01		1	WG2203557
MTWA0104MC003	L1694151-08	Pentane	109-66-0	72.15	0.200	0.590	0.289	0.853		1	WG2203557
MTWA0104MC003	L1694151-08	Toluene	108-88-3	92.10	0.500	1.88	0.701	2.64		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.27	5.39		1	WG2203555
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203555
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203555
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203555
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203555
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203555
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203555
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203555
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203555
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203555
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203555
Butane	106-97-8	58	0.200	0.474	0.468	1.11		1	WG2203555
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203555
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203555
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203555
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203555
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203555
Chloromethane	74-87-3	50.50	0.200	0.413	0.514	1.06		1	WG2203555
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203555
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203555
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203555
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203555
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203555
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203555
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203555
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203555
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203555
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203555
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203555
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203555
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203555
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203555
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203555
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203555
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203555
Ethanol	64-17-5	46.10	2.50	4.71	2.67	5.03	B	1	WG2203555
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203555
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203555
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG2203555
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.403	1.99		1	WG2203555
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203555
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203555
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203555
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203555
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203555
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203555
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.247	0.858		1	WG2203555
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203555
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203555
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203555
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203555
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203555
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203555
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203555
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203555
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203555
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203555
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203555
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203555
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203555
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2203555
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203555
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203555
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203555
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203555
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203555
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203555
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203555
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203555
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203555
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203555
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203555
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.3*				WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.26	17.3		1	WG2203555
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203555
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203555
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203555
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203555
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203555
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203555
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203555
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203555
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203555
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203555
Butane	106-97-8	58	0.200	0.474	0.443	1.05		1	WG2203555
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203555
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203555
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203555
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203555
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203555
Chloromethane	74-87-3	50.50	0.200	0.413	0.513	1.06		1	WG2203555
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203555
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203555
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203555
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203555
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203555
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203555
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203555
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203555
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203555
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203555
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203555
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203555
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203555
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203555
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203555
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203555
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203555
Ethanol	64-17-5	46.10	2.50	4.71	8.44	15.9		1	WG2203555
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203555
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203555
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2203555
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.444	2.20		1	WG2203555
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203555
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203555
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203555
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203555
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203555
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203555
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.251	0.872		1	WG2203555
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203555
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203555
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203555
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203555
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203555
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203555
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203555
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203555
2-Propanol	67-63-0	60.10	1.25	3.07	2.07	5.09		1	WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203555
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203555
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203555
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203555
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203555
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2203555
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203555
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203555
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203555
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203555
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203555
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203555
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203555
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203555
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203555
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203555
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203555
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.43	10.5		1	WG2203555
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203555
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203555
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203555
Benzene	71-43-2	78.10	0.200	0.639	0.302	0.965		1	WG2203555
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203555
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203555
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203555
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203555
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203555
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203555
Butane	106-97-8	58	0.200	0.474	0.418	0.992		1	WG2203555
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203555
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203555
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203555
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203555
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203555
Chloromethane	74-87-3	50.50	0.200	0.413	0.517	1.07		1	WG2203555
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203555
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203555
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203555
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203555
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203555
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203555
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203555
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203555
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203555
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203555
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203555
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203555
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203555
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203555
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203555
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203555
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203555
Ethanol	64-17-5	46.10	2.50	4.71	5.74	10.8	B	1	WG2203555
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203555
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203555
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203555
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.438	2.17		1	WG2203555
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203555
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203555
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203555
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203555
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203555
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203555
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.265	0.920		1	WG2203555
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203555
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203555
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203555
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203555
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203555
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203555
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203555
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203555
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203555
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203555
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203555
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203555
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203555
Toluene	108-88-3	92.10	0.500	1.88	1.41	5.31		1	WG2203555
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203555
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203555
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203555
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203555
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203555
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203555
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203555
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203555
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203555
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203555
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203555
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.5*				WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.41	5.73		1	WG2203555
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203555
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203555
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203555
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203555
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203555
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203555
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203555
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203555
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203555
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203555
Butane	106-97-8	58	0.200	0.474	0.362	0.859		1	WG2203555
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203555
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203555
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203555
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203555
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203555
Chloromethane	74-87-3	50.50	0.200	0.413	0.511	1.06		1	WG2203555
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203555
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203555
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203555
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203555
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203555
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203555
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203555
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203555
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203555
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203555
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203555
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203555
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203555
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203555
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203555
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203555
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203555
Ethanol	64-17-5	46.10	2.50	4.71	3.82	7.20	B	1	WG2203555
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203555
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203555
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2203555
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.437	2.16		1	WG2203555
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203555
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203555
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203555
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203555
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203555
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203555
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.263	0.913		1	WG2203555
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203555
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203555
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203555
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203555
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203555
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203555
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203555
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203555
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203555
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203555
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203555
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203555
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203555
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2203555
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203555
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203555
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203555
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203555
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203555
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203555
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203555
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203555
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203555
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203555
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203555
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.8*				WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.06	14.4		1	WG2203555
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203555
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203555
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203555
Benzene	71-43-2	78.10	0.200	0.639	0.605	1.93		1	WG2203555
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203555
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203555
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203555
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203555
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203555
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203555
Butane	106-97-8	58	0.200	0.474	0.404	0.958		1	WG2203555
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203555
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203555
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203555
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203555
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203555
Chloromethane	74-87-3	50.50	0.200	0.413	1.77	3.66		1	WG2203555
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203555
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203555
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203555
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203555
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203555
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203555
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203555
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203555
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203555
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203555
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203555
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203555
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203555
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203555
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203555
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203555
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203555
Ethanol	64-17-5	46.10	2.50	4.71	5.40	10.2	B	1	WG2203555
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203555
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203555
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203555
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.446	2.21		1	WG2203555
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203555
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203555
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203555
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203555
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203555
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.228	1.12		1	WG2203555
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.245	0.851		1	WG2203555
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203555
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203555
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203555
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203555
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203555
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203555
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203555
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203555
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203555
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203555
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203555
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203555
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203555
Toluene	108-88-3	92.10	0.500	1.88	1.67	6.29		1	WG2203555
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203555
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203555
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203555
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203555
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203555
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203555
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203555
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203555
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203555
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203555
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203555
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.9*				WG2203555

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.19	7.58		1	WG2203557
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203557
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203557
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203557
Benzene	71-43-2	78.10	0.200	0.639	0.276	0.882		1	WG2203557
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203557
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203557
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203557
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203557
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203557
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203557
Butane	106-97-8	58	0.200	0.474	1.06	2.51		1	WG2203557
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203557
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203557
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203557
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203557
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203557
Chloromethane	74-87-3	50.50	0.200	0.413	0.504	1.04		1	WG2203557
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203557
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203557
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203557
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203557
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203557
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203557
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203557
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203557
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203557
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203557
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203557
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203557
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203557
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203557
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203557
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203557
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203557
Ethanol	64-17-5	46.10	2.50	4.71	33.1	62.4		1	WG2203557
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203557
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203557
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203557
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.319	1.58		1	WG2203557
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203557
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203557
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203557
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203557
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203557
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND	J4	1	WG2203557
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.454	1.58		1	WG2203557
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203557
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203557
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203557
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203557
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203557
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203557
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203557
Pentane	109-66-0	72.15	0.200	0.590	1.21	3.57		1	WG2203557
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203557
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203557
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203557
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203557
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203557
Toluene	108-88-3	92.10	0.500	1.88	0.861	3.24		1	WG2203557
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203557
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203557
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203557
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203557
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203557
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203557
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203557
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203557
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203557
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203557
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203557
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203557
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.4*				WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.88	11.6		1	WG2203557
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203557
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203557
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203557
Benzene	71-43-2	78.10	0.200	0.639	0.321	1.03		1	WG2203557
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203557
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203557
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203557
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203557
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203557
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203557
Butane	106-97-8	58	0.200	0.474	0.476	1.13		1	WG2203557
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203557
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203557
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203557
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203557
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203557
Chloromethane	74-87-3	50.50	0.200	0.413	0.503	1.04		1	WG2203557
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203557
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203557
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203557
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203557
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203557
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203557
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203557
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203557
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203557
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203557
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203557
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203557
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203557
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203557
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203557
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203557
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203557
Ethanol	64-17-5	46.10	2.50	4.71	9.40	17.7		1	WG2203557
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203557
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203557
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.213	1.20		1	WG2203557
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.314	1.55		1	WG2203557
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203557
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203557
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203557
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203557
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203557
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND	J4	1	WG2203557
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.254	0.882		1	WG2203557
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203557
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203557
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203557
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203557
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203557
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203557
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203557
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203557
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203557
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203557
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203557
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203557
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203557
Toluene	108-88-3	92.10	0.500	1.88	0.772	2.91		1	WG2203557
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203557
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203557
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203557
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203557
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203557
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203557
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203557
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203557
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203557
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203557
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203557
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203557
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.5*				WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.38	10.4		1	WG2203557
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203557
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203557
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203557
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203557
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203557
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203557
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203557
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203557
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203557
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203557
Butane	106-97-8	58	0.200	0.474	0.515	1.22		1	WG2203557
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203557
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203557
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203557
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203557
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203557
Chloromethane	74-87-3	50.50	0.200	0.413	0.524	1.08		1	WG2203557
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203557
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203557
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203557
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203557
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203557
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203557
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203557
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203557
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203557
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203557
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203557
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203557
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203557
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203557
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203557
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203557
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203557
Ethanol	64-17-5	46.10	2.50	4.71	14.5	27.3		1	WG2203557
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203557
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203557
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.220	1.24		1	WG2203557
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.399	1.97		1	WG2203557
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203557
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203557
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203557
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203557
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203557
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND	J4	1	WG2203557
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.290	1.01		1	WG2203557
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203557
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203557
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203557
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203557
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203557
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203557
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203557
Pentane	109-66-0	72.15	0.200	0.590	0.289	0.853		1	WG2203557
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203557
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203557
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203557
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203557
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203557
Toluene	108-88-3	92.10	0.500	1.88	0.701	2.64		1	WG2203557
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203557
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203557
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203557
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203557
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203557
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203557
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203557
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203557
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203557
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203557
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203557
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203557
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.5*				WG2203557

Method Blank (MB)

(MB) R4021333-3 01/09/24 10:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.604	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4021333-3 01/09/24 10:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*93.7*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021333-1 01/09/24 08:59 • (LCSD) R4021333-2 01/09/24 09:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.49	3.60	93.1	96.0	70.0-130			3.10	25
Acetonitrile	18.8	19.0	18.9	101	101	70.0-130			0.528	25
Acrylonitrile	3.75	3.66	3.73	97.6	99.5	70.0-130			1.89	25
Allyl chloride	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Benzene	3.75	3.94	3.94	105	105	70.0-130			0.000	25
Benzyl Chloride	3.75	3.88	3.81	103	102	70.0-152			1.82	25
Bromodichloromethane	3.75	3.90	3.95	104	105	70.0-130			1.27	25
Bromoform	3.75	4.01	4.04	107	108	70.0-130			0.745	25
Bromomethane	3.75	3.77	3.15	101	84.0	70.0-130			17.9	25
Bromoethane	3.75	3.92	3.97	105	106	70.0-130			1.27	25
1,3-Butadiene	3.75	3.62	3.42	96.5	91.2	70.0-130			5.68	25
Butane	3.75	3.52	3.45	93.9	92.0	70.0-130			2.01	25
Carbon disulfide	3.75	3.74	3.75	99.7	100	70.0-130			0.267	25
Carbon tetrachloride	3.75	3.96	3.97	106	106	70.0-130			0.252	25
Chlorobenzene	3.75	3.95	3.97	105	106	70.0-130			0.505	25
Chloroethane	3.75	3.28	2.63	87.5	70.1	70.0-130			22.0	25
Chloroform	3.75	3.87	3.91	103	104	70.0-130			1.03	25
Chloromethane	3.75	3.70	3.75	98.7	100	70.0-130			1.34	25
2-Chlorotoluene	3.75	4.03	4.12	107	110	70.0-130			2.21	25
Cyclohexane	3.75	3.91	4.01	104	107	70.0-130			2.53	25
n-Decane	3.75	3.91	3.86	104	103	70.0-130			1.29	25
Dibromochloromethane	3.75	3.97	4.00	106	107	70.0-130			0.753	25
1,2-Dibromoethane	3.75	3.90	3.93	104	105	70.0-130			0.766	25
1,2-Dichlorobenzene	3.75	3.91	3.87	104	103	70.0-130			1.03	25
1,3-Dichlorobenzene	3.75	3.04	3.03	81.1	80.8	70.0-130			0.329	25
1,4-Dichlorobenzene	3.75	3.95	3.89	105	104	70.0-130			1.53	25
1,2-Dichloroethane	3.75	3.84	3.89	102	104	70.0-130			1.29	25
1,1-Dichloroethane	3.75	3.85	3.85	103	103	70.0-130			0.000	25
1,1-Dichloroethene	3.75	3.79	3.85	101	103	70.0-130			1.57	25
cis-1,2-Dichloroethene	3.75	3.84	3.91	102	104	70.0-130			1.81	25
trans-1,2-Dichloroethene	3.75	3.83	3.88	102	103	70.0-130			1.30	25
1,2-Dichloropropane	3.75	3.84	3.89	102	104	70.0-130			1.29	25
cis-1,3-Dichloropropene	3.75	3.87	3.92	103	105	70.0-130			1.28	25
trans-1,3-Dichloropropene	3.75	3.85	3.89	103	104	70.0-130			1.03	25
1,4-Dioxane	3.75	3.90	3.91	104	104	70.0-140			0.256	25
Ethanol	3.75	3.33	3.39	88.8	90.4	55.0-148			1.79	25
Ethylbenzene	3.75	4.05	4.00	108	107	70.0-130			1.24	25
4-Ethyltoluene	3.75	4.07	4.08	109	109	70.0-130			0.245	25
Trichlorofluoromethane	3.75	3.91	3.96	104	106	70.0-130			1.27	25
Dichlorodifluoromethane	3.75	4.04	4.10	108	109	64.0-139			1.47	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021333-1 01/09/24 08:59 • (LCSD) R4021333-2 01/09/24 09:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.95	4.00	105	107	70.0-130			1.26	25
1,2-Dichlorotetrafluoroethane	3.75	3.96	3.98	106	106	70.0-130			0.504	25
Heptane	3.75	3.88	3.87	103	103	70.0-130			0.258	25
Hexachloro-1,3-butadiene	3.75	4.08	3.95	109	105	70.0-151			3.24	25
n-Hexane	3.75	3.76	3.90	100	104	70.0-130			3.66	25
Isopropylbenzene	3.75	4.14	4.22	110	113	70.0-130			1.91	25
Methylene Chloride	3.75	3.63	3.70	96.8	98.7	70.0-130			1.91	25
Methyl Butyl Ketone	3.75	3.82	3.84	102	102	70.0-149			0.522	25
2-Butanone (MEK)	3.75	3.91	3.93	104	105	70.0-130			0.510	25
4-Methyl-2-pentanone (MIBK)	3.75	3.84	3.81	102	102	70.0-139			0.784	25
Methyl methacrylate	3.75	3.90	3.94	104	105	70.0-130			1.02	25
MTBE	3.75	3.87	3.95	103	105	70.0-130			2.05	25
Naphthalene	3.75	4.32	4.22	115	113	70.0-159			2.34	25
Nonane	3.75	3.74	3.79	99.7	101	70.0-130			1.33	25
Pentane	3.75	3.52	3.61	93.9	96.3	70.0-130			2.52	25
2-Propanol	3.75	3.52	3.58	93.9	95.5	70.0-139			1.69	25
Propene	3.75	3.53	3.63	94.1	96.8	64.0-144			2.79	25
Styrene	3.75	4.19	4.27	112	114	70.0-130			1.89	25
1,1,2,2-Tetrachloroethane	3.75	3.81	3.83	102	102	70.0-130			0.524	25
Tetrachloroethylene	3.75	4.04	4.02	108	107	70.0-130			0.496	25
Tetrahydrofuran	3.75	3.62	3.67	96.5	97.9	70.0-137			1.37	25
Toluene	3.75	4.05	4.07	108	109	70.0-130			0.493	25
1,2,4-Trichlorobenzene	3.75	4.20	4.09	112	109	70.0-160			2.65	25
1,1,1-Trichloroethane	3.75	3.98	4.01	106	107	70.0-130			0.751	25
1,1,2-Trichloroethane	3.75	3.95	3.95	105	105	70.0-130			0.000	25
Trichloroethylene	3.75	3.98	3.97	106	106	70.0-130			0.252	25
1,2,4-Trimethylbenzene	3.75	4.09	4.04	109	108	70.0-130			1.23	25
1,3,5-Trimethylbenzene	3.75	4.17	4.15	111	111	70.0-130			0.481	25
2,2,4-Trimethylpentane	3.75	3.88	4.00	103	107	70.0-130			3.05	25
Vinyl chloride	3.75	3.66	3.68	97.6	98.1	70.0-130			0.545	25
Vinyl Bromide	3.75	3.92	4.07	105	109	70.0-130			3.75	25
Vinyl acetate	3.75	3.92	4.04	105	108	70.0-130			3.02	25
m&p-Xylene	7.50	8.37	8.46	112	113	70.0-130			1.07	25
o-Xylene	3.75	4.06	4.12	108	110	70.0-130			1.47	25
(S) 1,4-Bromofluorobenzene				*95.2*	*95.4*	*60.0-140*				

Method Blank (MB)

(MB) R4021326-3 01/09/24 10:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4021326-3 01/09/24 10:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*94.0*			*60.0-140*

QUALITY CONTROL SUMMARY

L1694151-06,07,08

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021326-1 01/09/24 09:00 • (LCSD) R4021326-2 01/09/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Acetonitrile	18.8	18.8	19.4	100	103	70.0-130			3.14	25
Acrylonitrile	3.75	3.82	3.88	102	103	70.0-130			1.56	25
Allyl chloride	3.75	3.85	3.93	103	105	70.0-130			2.06	25
Benzene	3.75	4.34	4.46	116	119	70.0-130			2.73	25
Benzyl Chloride	3.75	4.10	4.14	109	110	70.0-152			0.971	25
Bromodichloromethane	3.75	4.23	4.25	113	113	70.0-130			0.472	25
Bromoform	3.75	4.33	4.38	115	117	70.0-130			1.15	25
Bromomethane	3.75	3.70	3.58	98.7	95.5	70.0-130			3.30	25
Bromoethane	3.75	4.09	3.93	109	105	70.0-130			3.99	25
1,3-Butadiene	3.75	3.93	3.66	105	97.6	70.0-130			7.11	25
Butane	3.75	3.84	3.54	102	94.4	70.0-130			8.13	25
Carbon disulfide	3.75	3.89	3.76	104	100	70.0-130			3.40	25
Carbon tetrachloride	3.75	4.26	4.27	114	114	70.0-130			0.234	25
Chlorobenzene	3.75	4.53	4.62	121	123	70.0-130			1.97	25
Chloroethane	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
Chloroform	3.75	4.13	4.09	110	109	70.0-130			0.973	25
Chloromethane	3.75	3.90	3.85	104	103	70.0-130			1.29	25
2-Chlorotoluene	3.75	4.50	4.58	120	122	70.0-130			1.76	25
Cyclohexane	3.75	4.48	4.47	119	119	70.0-130			0.223	25
n-Decane	3.75	4.27	4.27	114	114	70.0-130			0.000	25
Dibromochloromethane	3.75	4.45	4.51	119	120	70.0-130			1.34	25
1,2-Dibromoethane	3.75	4.47	4.55	119	121	70.0-130			1.77	25
1,2-Dichlorobenzene	3.75	4.30	4.31	115	115	70.0-130			0.232	25
1,3-Dichlorobenzene	3.75	4.40	4.49	117	120	70.0-130			2.02	25
1,4-Dichlorobenzene	3.75	4.35	4.50	116	120	70.0-130			3.39	25
1,2-Dichloroethane	3.75	4.04	4.15	108	111	70.0-130			2.69	25
1,1-Dichloroethane	3.75	4.05	4.00	108	107	70.0-130			1.24	25
1,1-Dichloroethene	3.75	3.99	3.86	106	103	70.0-130			3.31	25
cis-1,2-Dichloroethene	3.75	3.94	3.81	105	102	70.0-130			3.35	25
trans-1,2-Dichloroethene	3.75	3.93	4.07	105	109	70.0-130			3.50	25
1,2-Dichloropropane	3.75	4.09	4.14	109	110	70.0-130			1.22	25
cis-1,3-Dichloropropene	3.75	4.41	4.48	118	119	70.0-130			1.57	25
trans-1,3-Dichloropropene	3.75	4.37	4.41	117	118	70.0-130			0.911	25
1,4-Dioxane	3.75	4.53	4.56	121	122	70.0-140			0.660	25
Ethanol	3.75	3.97	3.83	106	102	55.0-148			3.59	25
Ethylbenzene	3.75	4.44	4.50	118	120	70.0-130			1.34	25
4-Ethyltoluene	3.75	4.59	4.61	122	123	70.0-130			0.435	25
Trichlorofluoromethane	3.75	3.92	3.74	105	99.7	70.0-130			4.70	25
Dichlorodifluoromethane	3.75	3.90	4.06	104	108	64.0-139			4.02	25

QUALITY CONTROL SUMMARY

L1694151-06,07,08

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021326-1 01/09/24 09:00 • (LCSD) R4021326-2 01/09/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.10	3.96	109	106	70.0-130			3.47	25
1,2-Dichlorotetrafluoroethane	3.75	4.38	4.31	117	115	70.0-130			1.61	25
Heptane	3.75	4.36	4.42	116	118	70.0-130			1.37	25
Hexachloro-1,3-butadiene	3.75	4.43	4.46	118	119	70.0-151			0.675	25
n-Hexane	3.75	4.17	4.15	111	111	70.0-130			0.481	25
Isopropylbenzene	3.75	4.84	4.90	129	131	70.0-130		J4	1.23	25
Methylene Chloride	3.75	3.72	3.84	99.2	102	70.0-130			3.17	25
Methyl Butyl Ketone	3.75	4.24	4.29	113	114	70.0-149			1.17	25
2-Butanone (MEK)	3.75	4.37	4.22	117	113	70.0-130			3.49	25
4-Methyl-2-pentanone (MIBK)	3.75	4.14	4.23	110	113	70.0-139			2.15	25
Methyl methacrylate	3.75	3.82	3.89	102	104	70.0-130			1.82	25
MTBE	3.75	4.26	4.32	114	115	70.0-130			1.40	25
Naphthalene	3.75	4.71	4.71	126	126	70.0-159			0.000	25
Nonane	3.75	4.11	4.10	110	109	70.0-130			0.244	25
Pentane	3.75	3.92	3.50	105	93.3	70.0-130			11.3	25
2-Propanol	3.75	3.73	3.65	99.5	97.3	70.0-139			2.17	25
Propene	3.75	3.77	3.85	101	103	64.0-144			2.10	25
Styrene	3.75	4.71	4.81	126	128	70.0-130			2.10	25
1,1,2,2-Tetrachloroethane	3.75	4.04	4.15	108	111	70.0-130			2.69	25
Tetrachloroethylene	3.75	4.69	4.71	125	126	70.0-130			0.426	25
Tetrahydrofuran	3.75	3.93	3.87	105	103	70.0-137			1.54	25
Toluene	3.75	4.59	4.64	122	124	70.0-130			1.08	25
1,2,4-Trichlorobenzene	3.75	4.68	4.66	125	124	70.0-160			0.428	25
1,1,1-Trichloroethane	3.75	4.22	4.25	113	113	70.0-130			0.708	25
1,1,2-Trichloroethane	3.75	4.41	4.44	118	118	70.0-130			0.678	25
Trichloroethylene	3.75	4.38	4.50	117	120	70.0-130			2.70	25
1,2,4-Trimethylbenzene	3.75	4.64	4.63	124	123	70.0-130			0.216	25
1,3,5-Trimethylbenzene	3.75	4.65	4.67	124	125	70.0-130			0.429	25
2,2,4-Trimethylpentane	3.75	4.35	4.20	116	112	70.0-130			3.51	25
Vinyl chloride	3.75	4.00	3.73	107	99.5	70.0-130			6.99	25
Vinyl Bromide	3.75	3.96	3.72	106	99.2	70.0-130			6.25	25
Vinyl acetate	3.75	4.06	3.98	108	106	70.0-130			1.99	25
m&p-Xylene	7.50	9.27	9.29	124	124	70.0-130			0.216	25
o-Xylene	3.75	4.66	4.67	124	125	70.0-130			0.214	25
(S) 1,4-Bromofluorobenzene				*95.0*	*95.2*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

C230

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ UL094151

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA01Ø3MCØØ1	ØØ4987	ØØ9484	Ø1/Ø3/24	2146	Ø1/Ø4/24	2152	-28	-3	DA	✓				A-01
MTWAØ1Ø3MCØØ2	Ø1111Ø	Ø11647	Ø1/Ø3/24	2207	Ø1/Ø4/24	2208	-28	-3	DA	✓				A-02
MTWAØ1Ø3MCØØ2CL	Ø2117S	Ø29251	Ø1/Ø3/24	2207	Ø1/Ø4/24	2208	-27	-2	DA	✓				A-03
MTWAØ1Ø3MCØØ3	Ø1Ø918	ØØ9571	Ø1/Ø3/24	2233	Ø1/Ø4/24	2236	-28	-4	DA	✓				A-04
MTWAØ1Ø3MCØØ4	Ø1Ø78Ø	Ø15462	Ø1/Ø3/24	2245	Ø1/Ø4/24	2300	-27	-2	DA	✓				A-05
MTWAØ1Ø4MCØØ1	Ø15489	Ø23564	Ø1/Ø4/24	2158	Ø1/Ø5/24	1751	-28	-2	DA	✓				A-06
MTWAØ1Ø4MCØØ2	Ø1Ø878	Ø2866Ø	Ø1/Ø4/24	2217	Ø1/Ø5/24	2003	-27	-3	DA	✓				A-07
MTWAØ1Ø4MCØØ3	ØØ8Ø95	Ø28233	Ø1/Ø4/24	2245	Ø1/Ø5/24	2014	-28	-2	DA	✓				A-08

DA

8 Total

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: X 1L 6L 1.4L
Tage Color: G W A P B
Tubing ___ Shunt ___
T/P#: ___

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Dillon Mahan	Ø1.08/13ØØ	Fedex ground	Ø1.08/13ØØ
Fedex ground	Ø1.08/13:3Ø	FedEx	Ø1.08/1330

Taya (23) 1.9.24. 0900

SDG # ___

ANALYTICAL REPORT

January 09, 2024

CTEH - ER

Sample Delivery Group:	L1694155
Samples Received:	01/09/2024
Project Number:	032692
Description:	

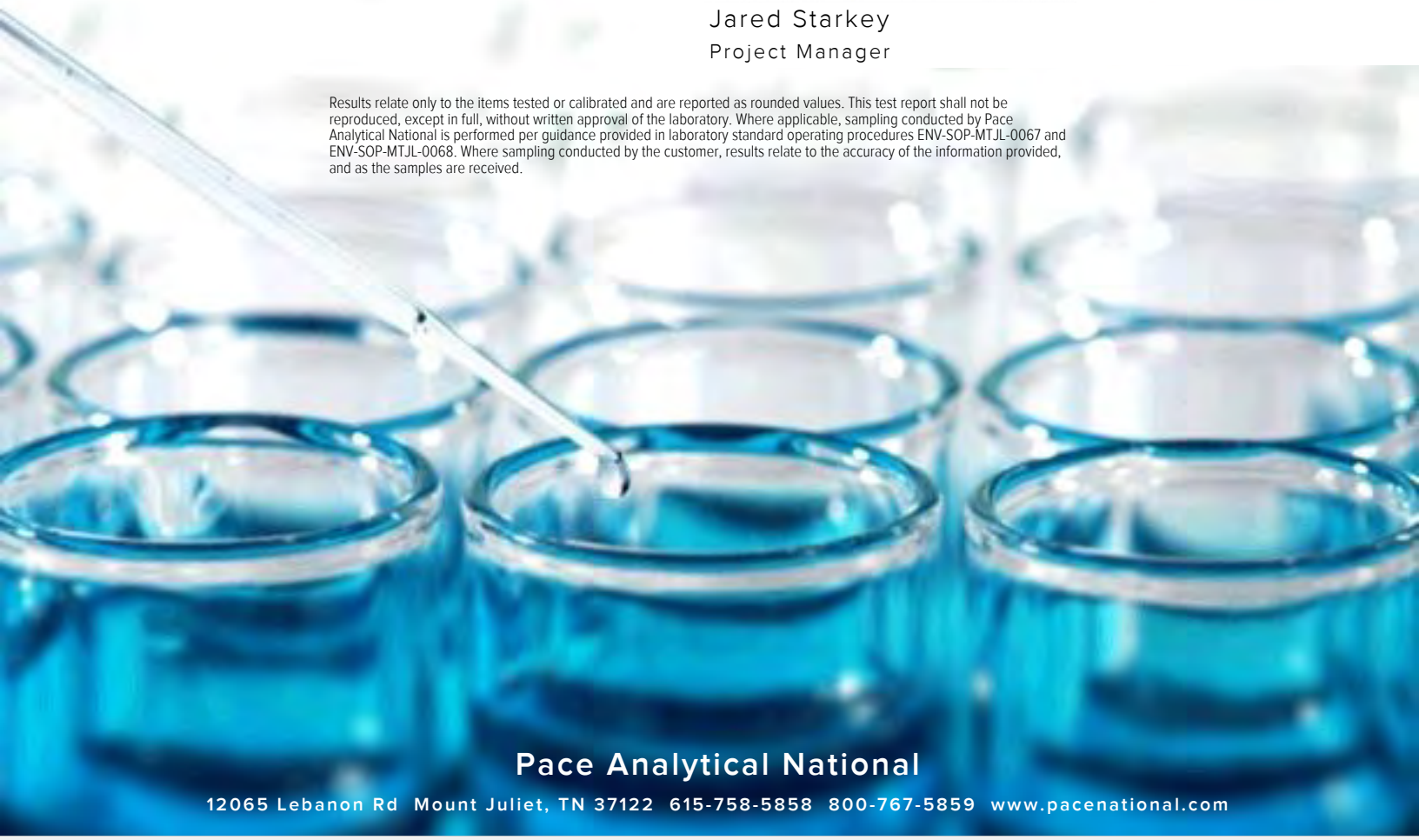
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0104MC003CL L1694155-01 Air

Collected by: DA | Collected date/time: 01/05/24 20:14 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203557	1	01/09/24 13:38	01/09/24 13:38	DBB	Mt. Juliet, TN

MTWA0104MC004 L1694155-02 Air

Collected by: DA | Collected date/time: 01/05/24 20:49 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203557	1	01/09/24 14:19	01/09/24 14:19	DBB	Mt. Juliet, TN

MTWA0105MC001 L1694155-03 Air

Collected by: DA | Collected date/time: 01/06/24 21:38 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203558	1	01/09/24 11:25	01/09/24 11:25	SDS	Mt. Juliet, TN

MTWA0105MC002 L1694155-04 Air

Collected by: DA | Collected date/time: 01/06/24 22:06 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203558	1	01/09/24 11:50	01/09/24 11:50	SDS	Mt. Juliet, TN

MTWA0105MC003 L1694155-05 Air

Collected by: DA | Collected date/time: 01/06/24 22:23 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203558	1	01/09/24 12:15	01/09/24 12:15	SDS	Mt. Juliet, TN

MTWA0105MC004 L1694155-06 Air

Collected by: DA | Collected date/time: 01/06/24 21:21 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203558	1	01/09/24 12:40	01/09/24 12:40	SDS	Mt. Juliet, TN

MTWA0105MC004CL L1694155-07 Air

Collected by: DA | Collected date/time: 01/06/24 21:21 | Received date/time: 01/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2203558	1	01/09/24 13:05	01/09/24 13:05	SDS	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2203558	Butane	L1694155-03, 04, 05, 06, 07
WG2203558	Ethanol	L1694155-03, 04, 05, 06, 07
WG2203558	Pentane	L1694155-03, 04, 05, 06

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2203557	(LCSD) R4021326-2, L1694155-01, 02	Isopropylbenzene

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0104MC003CL	L1694155-01	Acetone	67-64-1	58.10	1.25	2.97	6.03	14.3		1	WG2203557
MTWA0104MC003CL	L1694155-01	Benzene	71-43-2	78.10	0.200	0.639	0.357	1.14		1	WG2203557
MTWA0104MC003CL	L1694155-01	Butane	106-97-8	58	0.200	0.474	0.604	1.43		1	WG2203557
MTWA0104MC003CL	L1694155-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.592	1.22		1	WG2203557
MTWA0104MC003CL	L1694155-01	Ethanol	64-17-5	46.10	2.50	4.71	13.2	24.9		1	WG2203557
MTWA0104MC003CL	L1694155-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2203557
MTWA0104MC003CL	L1694155-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.301	1.49		1	WG2203557
MTWA0104MC003CL	L1694155-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.378	1.31		1	WG2203557
MTWA0104MC003CL	L1694155-01	Pentane	109-66-0	72.15	0.200	0.590	0.378	1.12		1	WG2203557
MTWA0104MC003CL	L1694155-01	Toluene	108-88-3	92.10	0.500	1.88	0.871	3.28		1	WG2203557
MTWA0104MC004	L1694155-02	Acetone	67-64-1	58.10	1.25	2.97	2.93	6.96		1	WG2203557
MTWA0104MC004	L1694155-02	Butane	106-97-8	58	0.200	0.474	0.555	1.32		1	WG2203557
MTWA0104MC004	L1694155-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.511	1.06		1	WG2203557
MTWA0104MC004	L1694155-02	Ethanol	64-17-5	46.10	2.50	4.71	8.80	16.6		1	WG2203557
MTWA0104MC004	L1694155-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.211	1.19		1	WG2203557
MTWA0104MC004	L1694155-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.355	1.76		1	WG2203557
MTWA0104MC004	L1694155-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.262	0.910		1	WG2203557
MTWA0104MC004	L1694155-02	Pentane	109-66-0	72.15	0.200	0.590	0.364	1.07		1	WG2203557
MTWA0104MC004	L1694155-02	Toluene	108-88-3	92.10	0.500	1.88	0.895	3.37		1	WG2203557
MTWA0105MC001	L1694155-03	Acetone	67-64-1	58.10	1.25	2.97	8.23	19.6		1	WG2203558
MTWA0105MC001	L1694155-03	Benzene	71-43-2	78.10	0.200	0.639	0.351	1.12		1	WG2203558
MTWA0105MC001	L1694155-03	Butane	106-97-8	58	0.200	0.474	0.635	1.51	B	1	WG2203558
MTWA0105MC001	L1694155-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.600	1.24		1	WG2203558
MTWA0105MC001	L1694155-03	Ethanol	64-17-5	46.10	2.50	4.71	8.79	16.6	B	1	WG2203558
MTWA0105MC001	L1694155-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2203558
MTWA0105MC001	L1694155-03	Pentane	109-66-0	72.15	0.200	0.590	0.341	1.01	B	1	WG2203558
MTWA0105MC001	L1694155-03	Toluene	108-88-3	92.10	0.500	1.88	1.03	3.88		1	WG2203558
MTWA0105MC002	L1694155-04	Acetone	67-64-1	58.10	1.25	2.97	2.07	4.92		1	WG2203558
MTWA0105MC002	L1694155-04	Butane	106-97-8	58	0.200	0.474	0.515	1.22	B	1	WG2203558
MTWA0105MC002	L1694155-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.502	1.04		1	WG2203558
MTWA0105MC002	L1694155-04	trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.252	0.999		1	WG2203558
MTWA0105MC002	L1694155-04	Ethanol	64-17-5	46.10	2.50	4.71	3.45	6.50	B	1	WG2203558
MTWA0105MC002	L1694155-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.445	2.20		1	WG2203558
MTWA0105MC002	L1694155-04	Pentane	109-66-0	72.15	0.200	0.590	1.54	4.54	B	1	WG2203558
MTWA0105MC003	L1694155-05	Acetone	67-64-1	58.10	1.25	2.97	5.17	12.3		1	WG2203558
MTWA0105MC003	L1694155-05	Benzene	71-43-2	78.10	0.200	0.639	0.223	0.712		1	WG2203558
MTWA0105MC003	L1694155-05	Butane	106-97-8	58	0.200	0.474	0.505	1.20	B	1	WG2203558
MTWA0105MC003	L1694155-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.548	1.13		1	WG2203558
MTWA0105MC003	L1694155-05	Ethanol	64-17-5	46.10	2.50	4.71	7.08	13.3	B	1	WG2203558
MTWA0105MC003	L1694155-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.436	2.16		1	WG2203558
MTWA0105MC003	L1694155-05	Pentane	109-66-0	72.15	0.200	0.590	0.266	0.785	B	1	WG2203558
MTWA0105MC003	L1694155-05	Toluene	108-88-3	92.10	0.500	1.88	0.935	3.52		1	WG2203558
MTWA0105MC004	L1694155-06	Acetone	67-64-1	58.10	1.25	2.97	2.83	6.72		1	WG2203558
MTWA0105MC004	L1694155-06	Butane	106-97-8	58	0.200	0.474	0.535	1.27	B	1	WG2203558
MTWA0105MC004	L1694155-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.521	1.08		1	WG2203558
MTWA0105MC004	L1694155-06	Ethanol	64-17-5	46.10	2.50	4.71	7.43	14.0	B	1	WG2203558
MTWA0105MC004	L1694155-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.424	2.10		1	WG2203558
MTWA0105MC004	L1694155-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.224	0.778		1	WG2203558
MTWA0105MC004	L1694155-06	Pentane	109-66-0	72.15	0.200	0.590	0.317	0.935	B	1	WG2203558
MTWA0105MC004CL	L1694155-07	Acetone	67-64-1	58.10	1.25	2.97	1.87	4.44		1	WG2203558
MTWA0105MC004CL	L1694155-07	Butane	106-97-8	58	0.200	0.474	0.473	1.12	B	1	WG2203558
MTWA0105MC004CL	L1694155-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.497	1.03		1	WG2203558
MTWA0105MC004CL	L1694155-07	Ethanol	64-17-5	46.10	2.50	4.71	3.37	6.35	B	1	WG2203558
MTWA0105MC004CL	L1694155-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2203558
MTWA0105MC004CL	L1694155-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.435	2.15		1	WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.03	14.3		1	WG2203557
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203557
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203557
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203557
Benzene	71-43-2	78.10	0.200	0.639	0.357	1.14		1	WG2203557
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203557
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203557
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203557
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203557
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203557
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203557
Butane	106-97-8	58	0.200	0.474	0.604	1.43		1	WG2203557
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203557
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203557
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203557
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203557
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203557
Chloromethane	74-87-3	50.50	0.200	0.413	0.592	1.22		1	WG2203557
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203557
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203557
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203557
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203557
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203557
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203557
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203557
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203557
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203557
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203557
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203557
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203557
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203557
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203557
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203557
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203557
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203557
Ethanol	64-17-5	46.10	2.50	4.71	13.2	24.9		1	WG2203557
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203557
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203557
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2203557
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.301	1.49		1	WG2203557
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203557
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203557
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203557
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203557
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203557
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND	J4	1	WG2203557
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.378	1.31		1	WG2203557
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203557
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203557
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203557
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203557
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203557
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203557
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203557
Pentane	109-66-0	72.15	0.200	0.590	0.378	1.12		1	WG2203557
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203557
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203557
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203557
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203557
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203557
Toluene	108-88-3	92.10	0.500	1.88	0.871	3.28		1	WG2203557
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203557
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203557
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203557
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203557
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203557
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203557
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203557
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203557
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203557
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203557
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203557
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203557
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.5*				WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.93	6.96		1	WG2203557
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203557
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203557
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203557
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203557
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203557
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203557
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203557
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203557
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203557
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203557
Butane	106-97-8	58	0.200	0.474	0.555	1.32		1	WG2203557
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203557
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203557
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203557
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203557
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203557
Chloromethane	74-87-3	50.50	0.200	0.413	0.511	1.06		1	WG2203557
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203557
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203557
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203557
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203557
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203557
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203557
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203557
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203557
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203557
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203557
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203557
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203557
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203557
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203557
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203557
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203557
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203557
Ethanol	64-17-5	46.10	2.50	4.71	8.80	16.6		1	WG2203557
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203557
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203557
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.211	1.19		1	WG2203557
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.355	1.76		1	WG2203557
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203557
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203557
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203557
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203557
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203557
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND	J4	1	WG2203557
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.262	0.910		1	WG2203557
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203557
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203557
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203557
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203557
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203557
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203557
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203557
Pentane	109-66-0	72.15	0.200	0.590	0.364	1.07		1	WG2203557
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203557
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203557
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203557
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203557
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203557
Toluene	108-88-3	92.10	0.500	1.88	0.895	3.37		1	WG2203557
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203557
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203557
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203557
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203557
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203557
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203557
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203557
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203557
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203557
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203557
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203557
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203557
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.4*				WG2203557

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.23	19.6		1	WG2203558
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203558
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203558
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203558
Benzene	71-43-2	78.10	0.200	0.639	0.351	1.12		1	WG2203558
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203558
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203558
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203558
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203558
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203558
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203558
Butane	106-97-8	58	0.200	0.474	0.635	1.51	B	1	WG2203558
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203558
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203558
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203558
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203558
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203558
Chloromethane	74-87-3	50.50	0.200	0.413	0.600	1.24		1	WG2203558
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203558
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203558
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203558
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203558
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203558
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203558
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203558
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203558
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203558
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203558
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203558
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203558
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203558
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203558
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203558
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203558
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203558
Ethanol	64-17-5	46.10	2.50	4.71	8.79	16.6	B	1	WG2203558
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203558
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203558
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2203558
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2203558
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203558
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203558
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203558
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203558
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203558
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203558
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2203558
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203558
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203558
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203558
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203558
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203558
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203558
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203558
Pentane	109-66-0	72.15	0.200	0.590	0.341	1.01	B	1	WG2203558
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203558

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203558
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203558
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203558
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203558
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203558
Toluene	108-88-3	92.10	0.500	1.88	1.03	3.88		1	WG2203558
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203558
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203558
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203558
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203558
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203558
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203558
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203558
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203558
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203558
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203558
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203558
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203558
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.3*				WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.07	4.92		1	WG2203558
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203558
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203558
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203558
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203558
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203558
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203558
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203558
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203558
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203558
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203558
Butane	106-97-8	58	0.200	0.474	0.515	1.22	B	1	WG2203558
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203558
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203558
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203558
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203558
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203558
Chloromethane	74-87-3	50.50	0.200	0.413	0.502	1.04		1	WG2203558
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203558
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203558
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203558
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203558
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203558
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203558
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203558
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203558
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203558
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203558
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203558
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203558
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.252	0.999		1	WG2203558
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203558
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203558
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203558
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203558
Ethanol	64-17-5	46.10	2.50	4.71	3.45	6.50	B	1	WG2203558
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203558
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203558
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2203558
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.445	2.20		1	WG2203558
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203558
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203558
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203558
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203558
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203558
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203558
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2203558
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203558
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203558
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203558
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203558
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203558
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203558
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203558
Pentane	109-66-0	72.15	0.200	0.590	1.54	4.54	B	1	WG2203558
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203558

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203558
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203558
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203558
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203558
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203558
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2203558
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203558
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203558
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203558
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203558
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203558
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203558
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203558
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203558
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203558
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203558
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203558
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203558
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.2*				WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.17	12.3		1	WG2203558
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203558
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203558
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203558
Benzene	71-43-2	78.10	0.200	0.639	0.223	0.712		1	WG2203558
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203558
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203558
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203558
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203558
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203558
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203558
Butane	106-97-8	58	0.200	0.474	0.505	1.20	B	1	WG2203558
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203558
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203558
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203558
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203558
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203558
Chloromethane	74-87-3	50.50	0.200	0.413	0.548	1.13		1	WG2203558
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203558
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203558
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203558
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203558
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203558
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203558
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203558
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203558
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203558
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203558
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203558
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203558
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203558
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203558
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203558
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203558
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203558
Ethanol	64-17-5	46.10	2.50	4.71	7.08	13.3	B	1	WG2203558
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203558
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203558
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2203558
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.436	2.16		1	WG2203558
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203558
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203558
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203558
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203558
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203558
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203558
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2203558
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203558
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203558
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203558
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203558
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203558
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203558
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203558
Pentane	109-66-0	72.15	0.200	0.590	0.266	0.785	B	1	WG2203558
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203558

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203558
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203558
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203558
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203558
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203558
Toluene	108-88-3	92.10	0.500	1.88	0.935	3.52		1	WG2203558
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203558
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203558
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203558
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203558
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203558
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203558
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203558
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203558
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203558
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203558
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203558
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203558
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.3*				WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.83	6.72		1	WG2203558
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203558
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203558
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203558
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203558
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203558
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203558
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203558
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203558
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203558
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203558
Butane	106-97-8	58	0.200	0.474	0.535	1.27	B	1	WG2203558
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203558
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203558
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203558
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203558
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203558
Chloromethane	74-87-3	50.50	0.200	0.413	0.521	1.08		1	WG2203558
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203558
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203558
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203558
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203558
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203558
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203558
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203558
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203558
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203558
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203558
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203558
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203558
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203558
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203558
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203558
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203558
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203558
Ethanol	64-17-5	46.10	2.50	4.71	7.43	14.0	B	1	WG2203558
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203558
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203558
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2203558
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.424	2.10		1	WG2203558
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203558
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203558
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203558
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203558
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203558
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203558
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.224	0.778		1	WG2203558
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203558
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203558
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203558
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203558
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203558
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203558
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203558
Pentane	109-66-0	72.15	0.200	0.590	0.317	0.935	B	1	WG2203558
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203558
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203558
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203558
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203558
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203558
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2203558
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203558
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203558
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203558
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203558
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203558
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203558
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203558
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203558
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203558
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203558
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203558
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203558
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.2*				WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.87	4.44		1	WG2203558
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2203558
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2203558
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2203558
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2203558
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2203558
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2203558
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2203558
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2203558
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2203558
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2203558
Butane	106-97-8	58	0.200	0.474	0.473	1.12	B	1	WG2203558
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2203558
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2203558
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2203558
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2203558
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2203558
Chloromethane	74-87-3	50.50	0.200	0.413	0.497	1.03		1	WG2203558
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2203558
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2203558
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2203558
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2203558
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2203558
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2203558
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2203558
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2203558
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2203558
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2203558
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2203558
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2203558
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2203558
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2203558
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2203558
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2203558
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2203558
Ethanol	64-17-5	46.10	2.50	4.71	3.37	6.35	B	1	WG2203558
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2203558
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2203558
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2203558
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.435	2.15		1	WG2203558
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2203558
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2203558
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2203558
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2203558
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2203558
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2203558
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2203558
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2203558
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2203558
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2203558
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2203558
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2203558
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2203558
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2203558
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2203558
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2203558

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2203558
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2203558
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2203558
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2203558
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2203558
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2203558
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2203558
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2203558
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2203558
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2203558
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2203558
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2203558
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2203558
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2203558
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2203558
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2203558
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2203558
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2203558
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.8*				WG2203558

Method Blank (MB)

(MB) R4021326-3 01/09/24 10:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4021326-3 01/09/24 10:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*94.0*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021326-1 01/09/24 09:00 • (LCSD) R4021326-2 01/09/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Acetonitrile	18.8	18.8	19.4	100	103	70.0-130			3.14	25
Acrylonitrile	3.75	3.82	3.88	102	103	70.0-130			1.56	25
Allyl chloride	3.75	3.85	3.93	103	105	70.0-130			2.06	25
Benzene	3.75	4.34	4.46	116	119	70.0-130			2.73	25
Benzyl Chloride	3.75	4.10	4.14	109	110	70.0-152			0.971	25
Bromodichloromethane	3.75	4.23	4.25	113	113	70.0-130			0.472	25
Bromoform	3.75	4.33	4.38	115	117	70.0-130			1.15	25
Bromomethane	3.75	3.70	3.58	98.7	95.5	70.0-130			3.30	25
Bromoethane	3.75	4.09	3.93	109	105	70.0-130			3.99	25
1,3-Butadiene	3.75	3.93	3.66	105	97.6	70.0-130			7.11	25
Butane	3.75	3.84	3.54	102	94.4	70.0-130			8.13	25
Carbon disulfide	3.75	3.89	3.76	104	100	70.0-130			3.40	25
Carbon tetrachloride	3.75	4.26	4.27	114	114	70.0-130			0.234	25
Chlorobenzene	3.75	4.53	4.62	121	123	70.0-130			1.97	25
Chloroethane	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
Chloroform	3.75	4.13	4.09	110	109	70.0-130			0.973	25
Chloromethane	3.75	3.90	3.85	104	103	70.0-130			1.29	25
2-Chlorotoluene	3.75	4.50	4.58	120	122	70.0-130			1.76	25
Cyclohexane	3.75	4.48	4.47	119	119	70.0-130			0.223	25
n-Decane	3.75	4.27	4.27	114	114	70.0-130			0.000	25
Dibromochloromethane	3.75	4.45	4.51	119	120	70.0-130			1.34	25
1,2-Dibromoethane	3.75	4.47	4.55	119	121	70.0-130			1.77	25
1,2-Dichlorobenzene	3.75	4.30	4.31	115	115	70.0-130			0.232	25
1,3-Dichlorobenzene	3.75	4.40	4.49	117	120	70.0-130			2.02	25
1,4-Dichlorobenzene	3.75	4.35	4.50	116	120	70.0-130			3.39	25
1,2-Dichloroethane	3.75	4.04	4.15	108	111	70.0-130			2.69	25
1,1-Dichloroethane	3.75	4.05	4.00	108	107	70.0-130			1.24	25
1,1-Dichloroethene	3.75	3.99	3.86	106	103	70.0-130			3.31	25
cis-1,2-Dichloroethene	3.75	3.94	3.81	105	102	70.0-130			3.35	25
trans-1,2-Dichloroethene	3.75	3.93	4.07	105	109	70.0-130			3.50	25
1,2-Dichloropropane	3.75	4.09	4.14	109	110	70.0-130			1.22	25
cis-1,3-Dichloropropene	3.75	4.41	4.48	118	119	70.0-130			1.57	25
trans-1,3-Dichloropropene	3.75	4.37	4.41	117	118	70.0-130			0.911	25
1,4-Dioxane	3.75	4.53	4.56	121	122	70.0-140			0.660	25
Ethanol	3.75	3.97	3.83	106	102	55.0-148			3.59	25
Ethylbenzene	3.75	4.44	4.50	118	120	70.0-130			1.34	25
4-Ethyltoluene	3.75	4.59	4.61	122	123	70.0-130			0.435	25
Trichlorofluoromethane	3.75	3.92	3.74	105	99.7	70.0-130			4.70	25
Dichlorodifluoromethane	3.75	3.90	4.06	104	108	64.0-139			4.02	25

QUALITY CONTROL SUMMARY

L1694155-01,02

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021326-1 01/09/24 09:00 • (LCSD) R4021326-2 01/09/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.10	3.96	109	106	70.0-130			3.47	25
1,2-Dichlorotetrafluoroethane	3.75	4.38	4.31	117	115	70.0-130			1.61	25
Heptane	3.75	4.36	4.42	116	118	70.0-130			1.37	25
Hexachloro-1,3-butadiene	3.75	4.43	4.46	118	119	70.0-151			0.675	25
n-Hexane	3.75	4.17	4.15	111	111	70.0-130			0.481	25
Isopropylbenzene	3.75	4.84	4.90	129	131	70.0-130		J4	1.23	25
Methylene Chloride	3.75	3.72	3.84	99.2	102	70.0-130			3.17	25
Methyl Butyl Ketone	3.75	4.24	4.29	113	114	70.0-149			1.17	25
2-Butanone (MEK)	3.75	4.37	4.22	117	113	70.0-130			3.49	25
4-Methyl-2-pentanone (MIBK)	3.75	4.14	4.23	110	113	70.0-139			2.15	25
Methyl methacrylate	3.75	3.82	3.89	102	104	70.0-130			1.82	25
MTBE	3.75	4.26	4.32	114	115	70.0-130			1.40	25
Naphthalene	3.75	4.71	4.71	126	126	70.0-159			0.000	25
Nonane	3.75	4.11	4.10	110	109	70.0-130			0.244	25
Pentane	3.75	3.92	3.50	105	93.3	70.0-130			11.3	25
2-Propanol	3.75	3.73	3.65	99.5	97.3	70.0-139			2.17	25
Propene	3.75	3.77	3.85	101	103	64.0-144			2.10	25
Styrene	3.75	4.71	4.81	126	128	70.0-130			2.10	25
1,1,2,2-Tetrachloroethane	3.75	4.04	4.15	108	111	70.0-130			2.69	25
Tetrachloroethylene	3.75	4.69	4.71	125	126	70.0-130			0.426	25
Tetrahydrofuran	3.75	3.93	3.87	105	103	70.0-137			1.54	25
Toluene	3.75	4.59	4.64	122	124	70.0-130			1.08	25
1,2,4-Trichlorobenzene	3.75	4.68	4.66	125	124	70.0-160			0.428	25
1,1,1-Trichloroethane	3.75	4.22	4.25	113	113	70.0-130			0.708	25
1,1,2-Trichloroethane	3.75	4.41	4.44	118	118	70.0-130			0.678	25
Trichloroethylene	3.75	4.38	4.50	117	120	70.0-130			2.70	25
1,2,4-Trimethylbenzene	3.75	4.64	4.63	124	123	70.0-130			0.216	25
1,3,5-Trimethylbenzene	3.75	4.65	4.67	124	125	70.0-130			0.429	25
2,2,4-Trimethylpentane	3.75	4.35	4.20	116	112	70.0-130			3.51	25
Vinyl chloride	3.75	4.00	3.73	107	99.5	70.0-130			6.99	25
Vinyl Bromide	3.75	3.96	3.72	106	99.2	70.0-130			6.25	25
Vinyl acetate	3.75	4.06	3.98	108	106	70.0-130			1.99	25
m&p-Xylene	7.50	9.27	9.29	124	124	70.0-130			0.216	25
o-Xylene	3.75	4.66	4.67	124	125	70.0-130			0.214	25
(S) 1,4-Bromofluorobenzene				*95.0*	*95.2*	*60.0-140*				

Method Blank (MB)

(MB) R4021354-3 01/09/24 10:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.129	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	0.0601	J	0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	2.34	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4021354-3 01/09/24 10:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	0.179	J	0.0503	0.200
2-Propanol	0.476	J	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*105*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021354-1 01/09/24 08:57 • (LCSD) R4021354-2 01/09/24 09:24

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.52	3.56	93.9	94.9	70.0-130			1.13	25
Acetonitrile	18.8	20.2	20.5	107	109	70.0-130			1.47	25
Acrylonitrile	3.75	3.68	3.72	98.1	99.2	70.0-130			1.08	25
Allyl chloride	3.75	3.93	3.93	105	105	70.0-130			0.000	25
Benzene	3.75	3.61	3.75	96.3	100	70.0-130			3.80	25
Benzyl Chloride	3.75	4.23	4.26	113	114	70.0-152			0.707	25
Bromodichloromethane	3.75	3.62	3.65	96.5	97.3	70.0-130			0.825	25
Bromoform	3.75	3.37	3.35	89.9	89.3	70.0-130			0.595	25
Bromomethane	3.75	3.47	3.60	92.5	96.0	70.0-130			3.68	25
Bromoethane	3.75	3.44	3.48	91.7	92.8	70.0-130			1.16	25
1,3-Butadiene	3.75	3.57	3.65	95.2	97.3	70.0-130			2.22	25
Butane	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
Carbon disulfide	3.75	3.12	3.06	83.2	81.6	70.0-130			1.94	25
Carbon tetrachloride	3.75	3.54	3.53	94.4	94.1	70.0-130			0.283	25
Chlorobenzene	3.75	3.61	3.66	96.3	97.6	70.0-130			1.38	25
Chloroethane	3.75	3.69	3.66	98.4	97.6	70.0-130			0.816	25
Chloroform	3.75	3.68	3.78	98.1	101	70.0-130			2.68	25
Chloromethane	3.75	3.73	3.78	99.5	101	70.0-130			1.33	25
2-Chlorotoluene	3.75	3.56	3.67	94.9	97.9	70.0-130			3.04	25
Cyclohexane	3.75	3.54	3.66	94.4	97.6	70.0-130			3.33	25
n-Decane	3.75	3.99	4.09	106	109	70.0-130			2.48	25
Dibromochloromethane	3.75	3.55	3.51	94.7	93.6	70.0-130			1.13	25
1,2-Dibromoethane	3.75	3.64	3.68	97.1	98.1	70.0-130			1.09	25
1,2-Dichlorobenzene	3.75	3.57	3.64	95.2	97.1	70.0-130			1.94	25
1,3-Dichlorobenzene	3.75	3.59	3.59	95.7	95.7	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	3.51	3.62	93.6	96.5	70.0-130			3.09	25
1,2-Dichloroethane	3.75	3.71	3.85	98.9	103	70.0-130			3.70	25
1,1-Dichloroethane	3.75	3.66	3.74	97.6	99.7	70.0-130			2.16	25
1,1-Dichloroethene	3.75	3.63	3.71	96.8	98.9	70.0-130			2.18	25
cis-1,2-Dichloroethene	3.75	3.63	3.71	96.8	98.9	70.0-130			2.18	25
trans-1,2-Dichloroethene	3.75	3.61	3.73	96.3	99.5	70.0-130			3.27	25
1,2-Dichloropropane	3.75	3.75	3.82	100	102	70.0-130			1.85	25
cis-1,3-Dichloropropene	3.75	3.93	3.96	105	106	70.0-130			0.760	25
trans-1,3-Dichloropropene	3.75	3.53	3.58	94.1	95.5	70.0-130			1.41	25
1,4-Dioxane	3.75	3.82	3.83	102	102	70.0-140			0.261	25
Ethanol	3.75	3.47	3.39	92.5	90.4	55.0-148			2.33	25
Ethylbenzene	3.75	3.63	3.73	96.8	99.5	70.0-130			2.72	25
4-Ethyltoluene	3.75	3.65	3.75	97.3	100	70.0-130			2.70	25
Trichlorofluoromethane	3.75	3.57	3.63	95.2	96.8	70.0-130			1.67	25
Dichlorodifluoromethane	3.75	3.60	3.67	96.0	97.9	64.0-139			1.93	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021354-1 01/09/24 08:57 • (LCSD) R4021354-2 01/09/24 09:24

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	3.55	94.1	94.7	70.0-130			0.565	25
1,2-Dichlorotetrafluoroethane	3.75	3.59	3.62	95.7	96.5	70.0-130			0.832	25
Heptane	3.75	3.77	3.84	101	102	70.0-130			1.84	25
Hexachloro-1,3-butadiene	3.75	3.32	3.38	88.5	90.1	70.0-151			1.79	25
n-Hexane	3.75	3.58	3.62	95.5	96.5	70.0-130			1.11	25
Isopropylbenzene	3.75	3.64	3.74	97.1	99.7	70.0-130			2.71	25
Methylene Chloride	3.75	3.42	3.47	91.2	92.5	70.0-130			1.45	25
Methyl Butyl Ketone	3.75	4.22	4.24	113	113	70.0-149			0.473	25
2-Butanone (MEK)	3.75	3.76	3.78	100	101	70.0-130			0.531	25
4-Methyl-2-pentanone (MIBK)	3.75	3.74	3.80	99.7	101	70.0-139			1.59	25
Methyl methacrylate	3.75	3.55	3.60	94.7	96.0	70.0-130			1.40	25
MTBE	3.75	3.50	3.62	93.3	96.5	70.0-130			3.37	25
Naphthalene	3.75	3.63	3.72	96.8	99.2	70.0-159			2.45	25
Nonane	3.75	3.74	3.83	99.7	102	70.0-130			2.38	25
Pentane	3.75	3.75	3.79	100	101	70.0-130			1.06	25
2-Propanol	3.75	3.52	3.61	93.9	96.3	70.0-139			2.52	25
Propene	3.75	3.68	3.78	98.1	101	64.0-144			2.68	25
Styrene	3.75	3.57	3.70	95.2	98.7	70.0-130			3.58	25
1,1,2,2-Tetrachloroethane	3.75	3.71	3.82	98.9	102	70.0-130			2.92	25
Tetrachloroethylene	3.75	3.44	3.50	91.7	93.3	70.0-130			1.73	25
Tetrahydrofuran	3.75	3.81	3.86	102	103	70.0-137			1.30	25
Toluene	3.75	3.59	3.67	95.7	97.9	70.0-130			2.20	25
1,2,4-Trichlorobenzene	3.75	3.37	3.43	89.9	91.5	70.0-160			1.76	25
1,1,1-Trichloroethane	3.75	3.53	3.56	94.1	94.9	70.0-130			0.846	25
1,1,2-Trichloroethane	3.75	3.61	3.63	96.3	96.8	70.0-130			0.552	25
Trichloroethylene	3.75	3.59	3.66	95.7	97.6	70.0-130			1.93	25
1,2,4-Trimethylbenzene	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
1,3,5-Trimethylbenzene	3.75	3.64	3.70	97.1	98.7	70.0-130			1.63	25
2,2,4-Trimethylpentane	3.75	3.68	3.76	98.1	100	70.0-130			2.15	25
Vinyl chloride	3.75	3.69	3.67	98.4	97.9	70.0-130			0.543	25
Vinyl Bromide	3.75	3.49	3.50	93.1	93.3	70.0-130			0.286	25
Vinyl acetate	3.75	3.68	3.72	98.1	99.2	70.0-130			1.08	25
m&p-Xylene	7.50	7.26	7.49	96.8	99.9	70.0-130			3.12	25
o-Xylene	3.75	3.72	3.78	99.2	101	70.0-130			1.60	25
(S) 1,4-Bromofluorobenzene				*102*	*101*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

C231

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LL694155

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15				Matrix
														A = air B = bulk S = soil SW = wipe T = tape W = water
MTWAØ1Ø4MCØØ3CL	Ø1281Ø	Ø28641	Ø1/Ø4/24	2240	Ø1/Ø5/24	2Ø14	-3Ø	-13	DA	✓				A-01
MTWAØ1Ø4MCØØ4	Ø29349	Ø28634	Ø1/Ø4/24	2304	Ø1/Ø5/24	2Ø49	-28	-5	DA	✓				A-02
MTWAØ1Ø5MCØØ1	Ø28877	Ø1545Ø1	Ø1/Ø5/24	2304	Ø1/Ø6/24	2138	-28	-4	DA	✓				A-03
MTWAØ1Ø5MCØØ2	ØØ8262	Ø1Ø185	Ø1/Ø5/24	2310	Ø1/Ø6/24	2206	-28	-2	DA	✓				A-04
MTWAØ1Ø5MCØØ3	Ø28873	Ø15639	Ø1/Ø5/24	2320	Ø1/Ø6/24	2223	-28	-4	DA	✓				A-05
MTWAØ1Ø5MCØØ4	ØØ8194	Ø15691	Ø1/Ø5/24	2336	Ø1/Ø6/24	2121	-28	-4	DA	✓				A-06
MTWAØ1Ø5MCØØ4CL	Ø28Ø12	Ø28278	Ø1/Ø5/24	2336	Ø1/Ø6/24	2121	-29	-2	DA	✓				A-07
				DA										

7 total

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 6 1L 6L 1.4l
Tage Color: G W P B
Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Dillion Mahan	Ø1.Ø8/13:ØØ	Ezell Patterson	Ø1.Ø8/13:ØØ	
Ezell Patterson	Ø1.Ø8/13:3Ø	FEDEX Tracking # 1924080	Ø1.Ø8/13:3Ø	

Page 1 of 1

ANALYTICAL REPORT

January 11, 2024

CTEH - ER

Sample Delivery Group:	L1695261
Samples Received:	01/11/2024
Project Number:	032692
Description:	

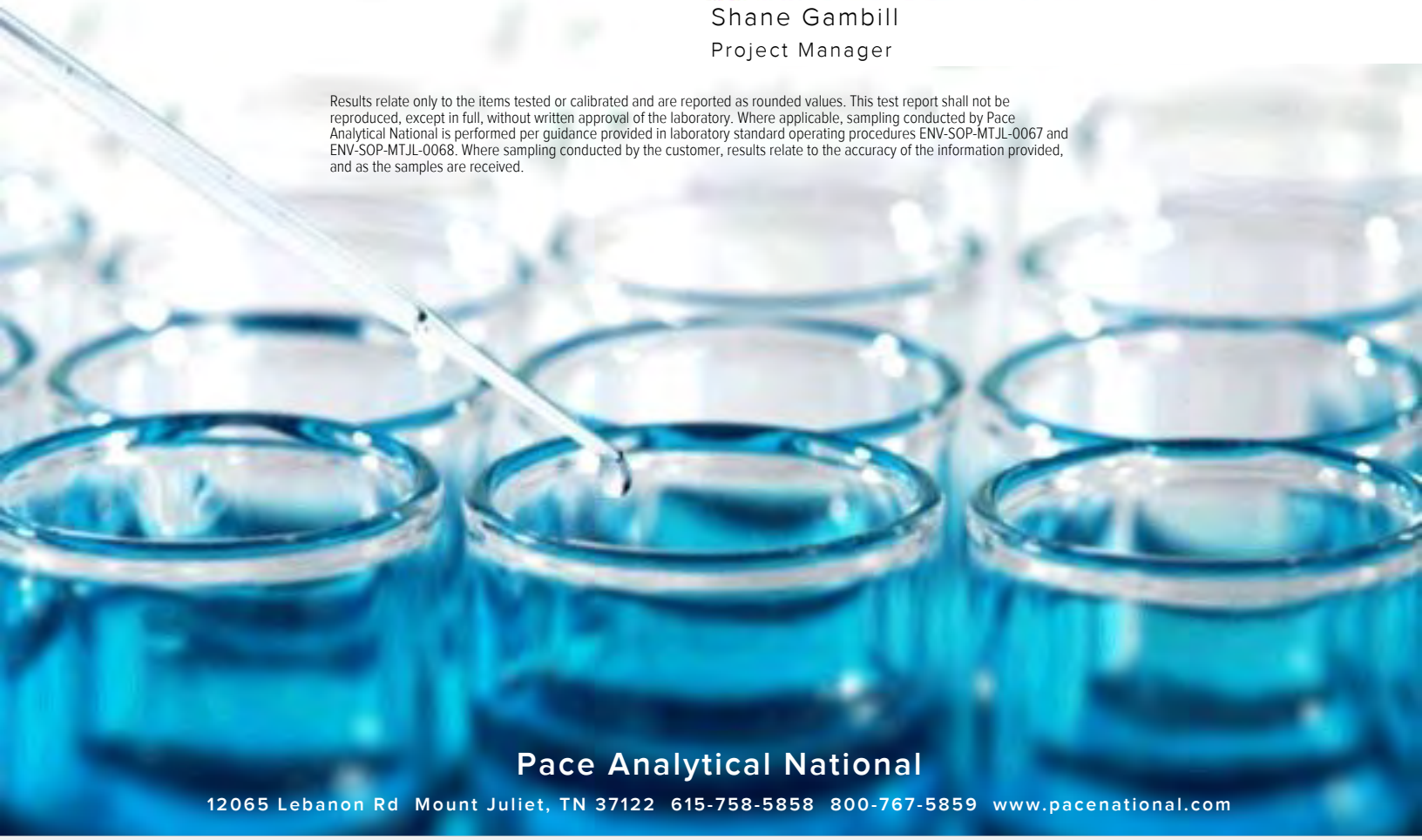
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Shane Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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SAMPLE SUMMARY

MTWA0108MC003CL L1695261-01 Air

Collected by: DA
Collected date/time: 01/09/24 22:28
Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205261	1	01/11/24 11:39	01/11/24 11:39	SDS	Mt. Juliet, TN

MTWA0108MC004 L1695261-02 Air

Collected by: DA
Collected date/time: 01/09/24 22:57
Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205261	1	01/11/24 12:07	01/11/24 12:07	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0108MC003CL	L1695261-01	Acetone	67-64-1	58.10	1.25	2.97	5.75	13.7		1	WG2205261
MTWA0108MC003CL	L1695261-01	Butane	106-97-8	58	0.200	0.474	0.362	0.859		1	WG2205261
MTWA0108MC003CL	L1695261-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.577	1.19		1	WG2205261
MTWA0108MC003CL	L1695261-01	Ethanol	64-17-5	46.10	2.50	4.71	9.24	17.4		1	WG2205261
MTWA0108MC003CL	L1695261-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2205261
MTWA0108MC003CL	L1695261-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.489	2.42		1	WG2205261
MTWA0108MC003CL	L1695261-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.309	1.07		1	WG2205261
MTWA0108MC003CL	L1695261-01	Pentane	109-66-0	72.15	0.200	0.590	0.236	0.696		1	WG2205261
MTWA0108MC003CL	L1695261-01	Toluene	108-88-3	92.10	0.500	1.88	0.569	2.14		1	WG2205261
MTWA0108MC004	L1695261-02	Acetone	67-64-1	58.10	1.25	2.97	3.51	8.34		1	WG2205261
MTWA0108MC004	L1695261-02	Butane	106-97-8	58	0.200	0.474	0.407	0.965		1	WG2205261
MTWA0108MC004	L1695261-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.559	1.15		1	WG2205261
MTWA0108MC004	L1695261-02	Ethanol	64-17-5	46.10	2.50	4.71	4.36	8.22		1	WG2205261
MTWA0108MC004	L1695261-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.230	1.29		1	WG2205261
MTWA0108MC004	L1695261-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.515	2.55		1	WG2205261
MTWA0108MC004	L1695261-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.399	1.39		1	WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.75	13.7		1	WG2205261
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2205261
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2205261
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2205261
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2205261
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2205261
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2205261
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2205261
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2205261
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2205261
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2205261
Butane	106-97-8	58	0.200	0.474	0.362	0.859		1	WG2205261
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2205261
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2205261
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2205261
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2205261
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2205261
Chloromethane	74-87-3	50.50	0.200	0.413	0.577	1.19		1	WG2205261
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2205261
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2205261
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2205261
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2205261
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2205261
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2205261
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2205261
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2205261
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2205261
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2205261
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2205261
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2205261
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2205261
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2205261
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2205261
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2205261
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2205261
Ethanol	64-17-5	46.10	2.50	4.71	9.24	17.4		1	WG2205261
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2205261
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2205261
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2205261
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.489	2.42		1	WG2205261
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2205261
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2205261
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2205261
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2205261
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2205261
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2205261
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.309	1.07		1	WG2205261
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2205261
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2205261
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2205261
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2205261
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2205261
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2205261
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2205261
Pentane	109-66-0	72.15	0.200	0.590	0.236	0.696		1	WG2205261
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2205261

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2205261
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2205261
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2205261
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2205261
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2205261
Toluene	108-88-3	92.10	0.500	1.88	0.569	2.14		1	WG2205261
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2205261
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2205261
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2205261
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2205261
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2205261
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2205261
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2205261
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2205261
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2205261
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2205261
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2205261
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2205261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*90.2*				WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.51	8.34		1	WG2205261
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2205261
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2205261
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2205261
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2205261
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2205261
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2205261
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2205261
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2205261
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2205261
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2205261
Butane	106-97-8	58	0.200	0.474	0.407	0.965		1	WG2205261
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2205261
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2205261
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2205261
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2205261
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2205261
Chloromethane	74-87-3	50.50	0.200	0.413	0.559	1.15		1	WG2205261
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2205261
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2205261
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2205261
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2205261
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2205261
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2205261
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2205261
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2205261
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2205261
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2205261
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2205261
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2205261
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2205261
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2205261
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2205261
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2205261
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2205261
Ethanol	64-17-5	46.10	2.50	4.71	4.36	8.22		1	WG2205261
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2205261
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2205261
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.230	1.29		1	WG2205261
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.515	2.55		1	WG2205261
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2205261
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2205261
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2205261
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2205261
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2205261
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2205261
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.399	1.39		1	WG2205261
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2205261
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2205261
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2205261
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2205261
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2205261
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2205261
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2205261
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2205261
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2205261
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2205261
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2205261
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2205261
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2205261
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2205261
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2205261
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2205261
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2205261
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2205261
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2205261
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2205261
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2205261
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2205261
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2205261
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2205261
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2205261
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2205261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*87.6*				WG2205261

Method Blank (MB)

(MB) R4022111-3 01/11/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	0.0780	J	0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	0.0747	J	0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4022111-3 01/11/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*86.9*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022111-1 01/11/24 08:46 • (LCSD) R4022111-2 01/11/24 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.52	4.47	121	119	70.0-130			1.11	25
Acetonitrile	18.8	20.5	20.4	109	109	70.0-130			0.489	25
Acrylonitrile	3.75	4.08	4.09	109	109	70.0-130			0.245	25
Allyl chloride	3.75	4.14	3.97	110	106	70.0-130			4.19	25
Benzene	3.75	3.99	3.93	106	105	70.0-130			1.52	25
Benzyl Chloride	3.75	4.01	3.98	107	106	70.0-152			0.751	25
Bromodichloromethane	3.75	4.02	4.05	107	108	70.0-130			0.743	25
Bromoform	3.75	4.20	4.23	112	113	70.0-130			0.712	25
Bromomethane	3.75	4.11	4.05	110	108	70.0-130			1.47	25
Bromoethane	3.75	4.13	4.24	110	113	70.0-130			2.63	25
1,3-Butadiene	3.75	4.05	4.08	108	109	70.0-130			0.738	25
Butane	3.75	3.99	3.99	106	106	70.0-130			0.000	25
Carbon disulfide	3.75	4.63	4.63	123	123	70.0-130			0.000	25
Carbon tetrachloride	3.75	4.10	4.10	109	109	70.0-130			0.000	25
Chlorobenzene	3.75	4.04	4.11	108	110	70.0-130			1.72	25
Chloroethane	3.75	3.98	4.03	106	107	70.0-130			1.25	25
Chloroform	3.75	4.04	4.05	108	108	70.0-130			0.247	25
Chloromethane	3.75	3.94	4.03	105	107	70.0-130			2.26	25
2-Chlorotoluene	3.75	4.05	3.98	108	106	70.0-130			1.74	25
Cyclohexane	3.75	3.86	3.94	103	105	70.0-130			2.05	25
n-Decane	3.75	4.59	4.57	122	122	70.0-130			0.437	25
Dibromochloromethane	3.75	4.22	4.15	113	111	70.0-130			1.67	25
1,2-Dibromoethane	3.75	4.17	4.10	111	109	70.0-130			1.69	25
1,2-Dichlorobenzene	3.75	4.42	4.33	118	115	70.0-130			2.06	25
1,3-Dichlorobenzene	3.75	4.48	4.37	119	117	70.0-130			2.49	25
1,4-Dichlorobenzene	3.75	4.47	4.40	119	117	70.0-130			1.58	25
1,2-Dichloroethane	3.75	4.17	4.10	111	109	70.0-130			1.69	25
1,1-Dichloroethane	3.75	3.85	3.86	103	103	70.0-130			0.259	25
1,1-Dichloroethene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
cis-1,2-Dichloroethene	3.75	3.78	3.86	101	103	70.0-130			2.09	25
trans-1,2-Dichloroethene	3.75	3.97	3.97	106	106	70.0-130			0.000	25
1,2-Dichloropropane	3.75	3.87	3.85	103	103	70.0-130			0.518	25
cis-1,3-Dichloropropene	3.75	3.94	3.74	105	99.7	70.0-130			5.21	25
trans-1,3-Dichloropropene	3.75	3.86	4.11	103	110	70.0-130			6.27	25
1,4-Dioxane	3.75	3.97	3.85	106	103	70.0-140			3.07	25
Ethanol	3.75	3.79	3.81	101	102	55.0-148			0.526	25
Ethylbenzene	3.75	3.97	4.00	106	107	70.0-130			0.753	25
4-Ethyltoluene	3.75	4.34	4.26	116	114	70.0-130			1.86	25
Trichlorofluoromethane	3.75	4.27	4.23	114	113	70.0-130			0.941	25
Dichlorodifluoromethane	3.75	4.28	4.32	114	115	64.0-139			0.930	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022111-1 01/11/24 08:46 • (LCSD) R4022111-2 01/11/24 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.19	4.20	112	112	70.0-130			0.238	25
1,2-Dichlorotetrafluoroethane	3.75	4.17	4.17	111	111	70.0-130			0.000	25
Heptane	3.75	3.87	3.95	103	105	70.0-130			2.05	25
Hexachloro-1,3-butadiene	3.75	4.35	4.27	116	114	70.0-151			1.86	25
n-Hexane	3.75	3.84	3.86	102	103	70.0-130			0.519	25
Isopropylbenzene	3.75	4.17	4.15	111	111	70.0-130			0.481	25
Methylene Chloride	3.75	4.19	4.18	112	111	70.0-130			0.239	25
Methyl Butyl Ketone	3.75	3.92	4.02	105	107	70.0-149			2.52	25
2-Butanone (MEK)	3.75	3.75	3.88	100	103	70.0-130			3.41	25
4-Methyl-2-pentanone (MIBK)	3.75	4.05	4.07	108	109	70.0-139			0.493	25
Methyl methacrylate	3.75	3.87	3.93	103	105	70.0-130			1.54	25
MTBE	3.75	3.98	3.97	106	106	70.0-130			0.252	25
Naphthalene	3.75	4.14	4.07	110	109	70.0-159			1.71	25
Nonane	3.75	4.11	4.02	110	107	70.0-130			2.21	25
Pentane	3.75	3.97	3.97	106	106	70.0-130			0.000	25
2-Propanol	3.75	4.14	4.04	110	108	70.0-139			2.44	25
Propene	3.75	3.76	3.69	100	98.4	64.0-144			1.88	25
Styrene	3.75	4.10	4.06	109	108	70.0-130			0.980	25
1,1,2,2-Tetrachloroethane	3.75	4.08	4.08	109	109	70.0-130			0.000	25
Tetrachloroethylene	3.75	4.30	4.20	115	112	70.0-130			2.35	25
Tetrahydrofuran	3.75	3.82	3.89	102	104	70.0-137			1.82	25
Toluene	3.75	3.93	3.89	105	104	70.0-130			1.02	25
1,2,4-Trichlorobenzene	3.75	4.24	4.05	113	108	70.0-160			4.58	25
1,1,1-Trichloroethane	3.75	4.05	4.11	108	110	70.0-130			1.47	25
1,1,2-Trichloroethane	3.75	3.97	3.97	106	106	70.0-130			0.000	25
Trichloroethylene	3.75	4.05	4.13	108	110	70.0-130			1.96	25
1,2,4-Trimethylbenzene	3.75	4.39	4.31	117	115	70.0-130			1.84	25
1,3,5-Trimethylbenzene	3.75	4.36	4.27	116	114	70.0-130			2.09	25
2,2,4-Trimethylpentane	3.75	3.83	4.01	102	107	70.0-130			4.59	25
Vinyl chloride	3.75	4.08	4.02	109	107	70.0-130			1.48	25
Vinyl Bromide	3.75	4.13	4.07	110	109	70.0-130			1.46	25
Vinyl acetate	3.75	3.19	3.23	85.1	86.1	70.0-130			1.25	25
m&p-Xylene	7.50	8.45	8.30	113	111	70.0-130			1.79	25
o-Xylene	3.75	4.29	4.24	114	113	70.0-130			1.17	25
(S) 1,4-Bromofluorobenzene				*99.9*	*99.0*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

B203

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; jmreilly@cteh.com
Accounting	Send invoices to

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify _____)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ ULØ5026

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWAØ1Ø8MCØØ3CL	Ø28Ø36	Ø1Ø281	Ø1/Ø8/24	2326	Ø1/Ø9/24	2228	-27	-3	DA	✓		DA		A-01
MTWAØ1Ø8MCØØ4	Ø21199	Ø1Ø275	Ø1/Ø8/24	2338	Ø1/Ø9/24	2257	-28	-6	DA	✓				A-02

DA

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 1Lmrs 1L 6l 1.4L
Tape Color: G W P B
Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Matia Glover	01.10/8:30	[signature]	01.10/8:30	
[signature]	01.10/9:45	FedEx	01.10/9:45	

SDG # _____ Amb 1/11/24 9:00 7891 3214 7192

ANALYTICAL REPORT

February 29, 2024

Revised Report

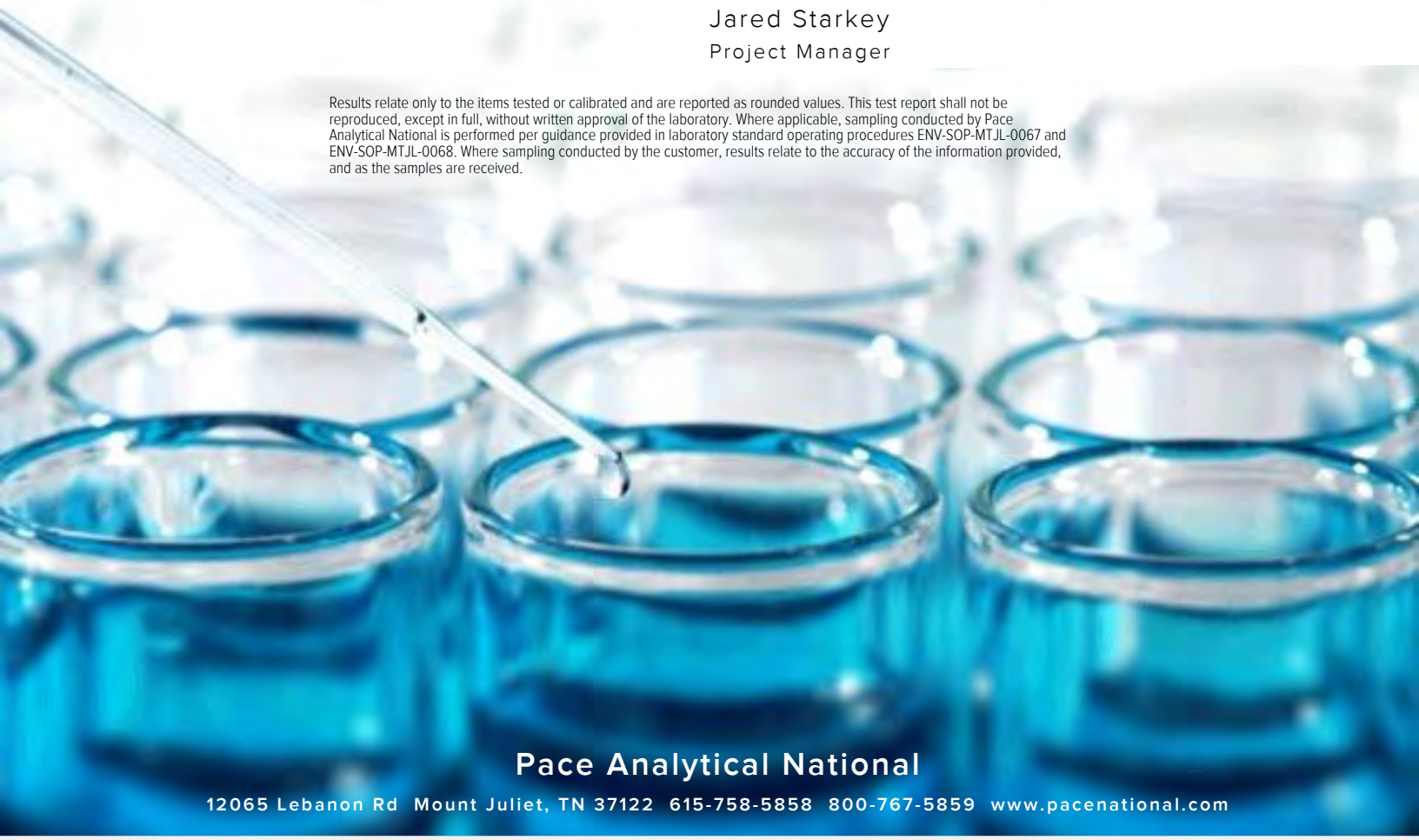
CTEH - ER

Sample Delivery Group:	L1695269
Samples Received:	01/11/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0107MC001 L1695269-01 Air

Collected by: DA | Collected date/time: 01/08/24 19:47 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205261	1	01/11/24 12:35	01/11/24 12:35	SDS	Mt. Juliet, TN

MTWA0107MC002 L1695269-02 Air

Collected by: DA | Collected date/time: 01/08/24 18:56 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205261	1	01/11/24 13:03	01/11/24 13:03	SDS	Mt. Juliet, TN

MTWA0107MC002CL L1695269-03 Air

Collected by: DA | Collected date/time: 01/08/24 18:56 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205261	1	01/11/24 13:32	01/11/24 13:32	SDS	Mt. Juliet, TN

MTWA0107MC003 L1695269-04 Air

Collected by: DA | Collected date/time: 01/08/24 19:21 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205285	1	01/11/24 12:06	01/11/24 12:06	SDS	Mt. Juliet, TN

MTWA0107MC004 L1695269-05 Air

Collected by: DA | Collected date/time: 01/08/24 19:30 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205285	1	01/11/24 12:45	01/11/24 12:45	SDS	Mt. Juliet, TN

MTWA0108MC001 L1695269-06 Air

Collected by: DA | Collected date/time: 01/09/24 21:42 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205285	1	01/11/24 13:24	01/11/24 13:24	SDS	Mt. Juliet, TN

MTWA0108MC002 L1695269-07 Air

Collected by: DA | Collected date/time: 01/09/24 22:04 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205285	1	01/11/24 14:03	01/11/24 14:03	SDS	Mt. Juliet, TN

MTWA0108MC003 L1695269-08 Air

Collected by: DA | Collected date/time: 01/09/24 22:28 | Received date/time: 01/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2205285	1	01/11/24 14:42	01/11/24 14:42	SDS	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 01/11/24 16:25
Level II Report - Version 2: 01/12/24 10:45
Level IV Report - Version 3: 01/31/24 19:39
Level II Report - Version 4: 02/20/24 09:07
Level II Report - Version 5: 02/20/24 19:00

Project Comments

Report revised to change the sample IDs and sample dates from 01/09 to 01/08 for L1695269-07 and -08.
MDL Reporting

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2205261	Benzene	L1695269-01, 02, 03
WG2205285	Ethanol	L1695269-05, 06, 08

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0107MC001	L1695269-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.15	7.49		1	WG2205261
MTWA0107MC001	L1695269-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.116	0.371	B J	1	WG2205261
MTWA0107MC001	L1695269-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.338	0.802		1	WG2205261
MTWA0107MC001	L1695269-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.553	1.14		1	WG2205261
MTWA0107MC001	L1695269-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.05	5.75		1	WG2205261
MTWA0107MC001	L1695269-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.243	1.37		1	WG2205261
MTWA0107MC001	L1695269-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.507	2.51		1	WG2205261
MTWA0107MC001	L1695269-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.179	0.622	J	1	WG2205261
MTWA0107MC001	L1695269-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.225	0.663	J	1	WG2205261
MTWA0107MC001	L1695269-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.163	0.481	J	1	WG2205261
MTWA0107MC001	L1695269-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.576	1.42	J	1	WG2205261
MTWA0107MC001	L1695269-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.223	0.840	J	1	WG2205261
MTWA0107MC002	L1695269-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	11.0	26.1		1	WG2205261
MTWA0107MC002	L1695269-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.140	0.447	B J	1	WG2205261
MTWA0107MC002	L1695269-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.380	0.901		1	WG2205261
MTWA0107MC002	L1695269-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0768	0.484	J	1	WG2205261
MTWA0107MC002	L1695269-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.532	1.10		1	WG2205261
MTWA0107MC002	L1695269-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.56	4.83		1	WG2205261
MTWA0107MC002	L1695269-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2205261
MTWA0107MC002	L1695269-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.502	2.48		1	WG2205261
MTWA0107MC002	L1695269-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.142	0.493	J	1	WG2205261
MTWA0107MC002	L1695269-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.277	0.817	J	1	WG2205261
MTWA0107MC002	L1695269-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.686	2.02		1	WG2205261
MTWA0107MC002	L1695269-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.631	1.55	J	1	WG2205261
MTWA0107MC002	L1695269-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.116	0.437	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.60	6.18		1	WG2205261
MTWA0107MC002CL	L1695269-03	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.52	7.63	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.176	0.562	B J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.544	1.29		1	WG2205261
MTWA0107MC002CL	L1695269-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0848	0.534	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.515	1.06		1	WG2205261
MTWA0107MC002CL	L1695269-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.70	10.7		1	WG2205261
MTWA0107MC002CL	L1695269-03	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.101	0.438	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.226	1.27		1	WG2205261
MTWA0107MC002CL	L1695269-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.505	2.50		1	WG2205261
MTWA0107MC002CL	L1695269-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0835	0.640	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.149	0.517	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.160	0.472	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.213	0.629		1	WG2205261
MTWA0107MC002CL	L1695269-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.800	1.97	J	1	WG2205261
MTWA0107MC002CL	L1695269-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.565	2.13		1	WG2205261
MTWA0107MC002CL	L1695269-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.270	1.17	J	1	WG2205261
MTWA0107MC003	L1695269-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.72	11.2		1	WG2205285
MTWA0107MC003	L1695269-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.205	0.655		1	WG2205285
MTWA0107MC003	L1695269-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.364	0.863		1	WG2205285
MTWA0107MC003	L1695269-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.514	1.06		1	WG2205285
MTWA0107MC003	L1695269-04	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.240	1.40		1	WG2205285
MTWA0107MC003	L1695269-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.14	17.2		1	WG2205285
MTWA0107MC003	L1695269-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.197	1.11	J	1	WG2205285
MTWA0107MC003	L1695269-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2205285

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0107MC003	L1695269-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.162	0.563	J	1	WG2205285
MTWA0107MC003	L1695269-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.385	1.14	J	1	WG2205285
MTWA0107MC003	L1695269-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.497	1.47		1	WG2205285
MTWA0107MC003	L1695269-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.864	2.12	J	1	WG2205285
MTWA0107MC003	L1695269-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.889	3.35		1	WG2205285
MTWA0107MC004	L1695269-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.30	7.84		1	WG2205285
MTWA0107MC004	L1695269-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.116	0.371	J	1	WG2205285
MTWA0107MC004	L1695269-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.352	0.835		1	WG2205285
MTWA0107MC004	L1695269-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.491	1.01		1	WG2205285
MTWA0107MC004	L1695269-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.39	10.2	B	1	WG2205285
MTWA0107MC004	L1695269-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.198	1.11	J	1	WG2205285
MTWA0107MC004	L1695269-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2205285
MTWA0107MC004	L1695269-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.159	0.552	J	1	WG2205285
MTWA0107MC004	L1695269-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.454	1.34	J	1	WG2205285
MTWA0107MC004	L1695269-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.148	0.437	J	1	WG2205285
MTWA0107MC004	L1695269-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.786	1.93	J	1	WG2205285
MTWA0107MC004	L1695269-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.149	0.561	J	1	WG2205285
MTWA0108MC001	L1695269-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	1.90	4.51		1	WG2205285
MTWA0108MC001	L1695269-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.108	0.345	J	1	WG2205285
MTWA0108MC001	L1695269-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.394	0.935		1	WG2205285
MTWA0108MC001	L1695269-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.516	1.07		1	WG2205285
MTWA0108MC001	L1695269-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.90	7.35	B	1	WG2205285
MTWA0108MC001	L1695269-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2205285
MTWA0108MC001	L1695269-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.440	2.18		1	WG2205285
MTWA0108MC001	L1695269-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.191	0.663	J	1	WG2205285
MTWA0108MC001	L1695269-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.124	0.366	J	1	WG2205285
MTWA0108MC001	L1695269-06	Naphthalene	91-20-3	128	0.350	0.630	3.30	0.560	2.93	J	1	WG2205285
MTWA0108MC001	L1695269-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.165	0.487	J	1	WG2205285
MTWA0108MC001	L1695269-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.542	1.33	J	1	WG2205285

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0108MC002	L1695269-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.77	6.58		1	WG2205285
MTWA0108MC002	L1695269-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.224	0.716		1	WG2205285
MTWA0108MC002	L1695269-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.424	1.01		1	WG2205285
MTWA0108MC002	L1695269-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.01	2.09		1	WG2205285
MTWA0108MC002	L1695269-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.7	20.2		1	WG2205285
MTWA0108MC002	L1695269-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2205285
MTWA0108MC002	L1695269-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.446	2.21		1	WG2205285
MTWA0108MC002	L1695269-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.160	0.472	J	1	WG2205285
MTWA0108MC002	L1695269-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.153	0.451	J	1	WG2205285
MTWA0108MC002	L1695269-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.455	1.12	J	1	WG2205285
MTWA0108MC002	L1695269-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.347	1.31	J	1	WG2205285
MTWA0108MC003	L1695269-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.34	5.56		1	WG2205285
MTWA0108MC003	L1695269-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.184	0.588	J	1	WG2205285
MTWA0108MC003	L1695269-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.438	1.04		1	WG2205285
MTWA0108MC003	L1695269-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.552	1.14		1	WG2205285
MTWA0108MC003	L1695269-08	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0962	0.331	J	1	WG2205285
MTWA0108MC003	L1695269-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.25	11.8	B	1	WG2205285
MTWA0108MC003	L1695269-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2205285
MTWA0108MC003	L1695269-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2205285
MTWA0108MC003	L1695269-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.147	0.510	J	1	WG2205285
MTWA0108MC003	L1695269-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.167	0.492	J	1	WG2205285
MTWA0108MC003	L1695269-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.224	0.661		1	WG2205285
MTWA0108MC003	L1695269-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.371	0.912	J	1	WG2205285
MTWA0108MC003	L1695269-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.861	3.24		1	WG2205285
MTWA0108MC003	L1695269-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.177	0.767	J	1	WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.15	7.49		1	WG2205261
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205261
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205261
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205261
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.116	0.371	B J	1	WG2205261
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205261
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205261
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205261
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205261
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205261
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205261
Butane	106-97-8	58	0.0522	0.200	0.474	0.338	0.802		1	WG2205261
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205261
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2205261
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205261
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205261
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205261
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.553	1.14		1	WG2205261
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205261
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205261
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205261
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205261
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205261
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205261
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205261
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205261
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205261
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205261
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205261
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205261
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205261
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205261
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205261
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205261
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205261
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.05	5.75		1	WG2205261
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205261
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205261
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.243	1.37		1	WG2205261
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.507	2.51		1	WG2205261
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205261
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205261
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205261
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205261
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205261
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205261
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.179	0.622	J	1	WG2205261
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205261
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.225	0.663	J	1	WG2205261
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205261
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205261
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205261
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205261
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205261
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.163	0.481	J	1	WG2205261
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.576	1.42	J	1	WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205261
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205261
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205261
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205261
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205261
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.223	0.840	J	1	WG2205261
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205261
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205261
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205261
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205261
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205261
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205261
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205261
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205261
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205261
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205261
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2205261
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*87.5*				WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	11.0	26.1		1	WG2205261
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205261
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205261
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205261
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.140	0.447	B J	1	WG2205261
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205261
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205261
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205261
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205261
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205261
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205261
Butane	106-97-8	58	0.0522	0.200	0.474	0.380	0.901		1	WG2205261
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205261
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0768	0.484	J	1	WG2205261
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205261
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205261
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205261
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.532	1.10		1	WG2205261
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205261
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205261
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205261
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205261
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205261
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205261
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205261
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205261
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205261
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205261
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205261
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205261
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205261
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205261
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205261
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205261
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205261
Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.56	4.83		1	WG2205261
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205261
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205261
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2205261
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.502	2.48		1	WG2205261
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205261
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205261
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205261
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205261
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205261
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205261
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.142	0.493	J	1	WG2205261
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205261
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.277	0.817	J	1	WG2205261
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205261
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205261
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205261
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205261
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205261
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.686	2.02		1	WG2205261
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.631	1.55	J	1	WG2205261

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205261
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205261
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205261
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205261
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205261
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.116	0.437	J	1	WG2205261
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205261
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205261
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205261
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205261
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205261
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205261
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205261
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205261
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205261
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205261
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2205261
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*88.8*				WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.60	6.18		1	WG2205261
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205261
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.52	7.63	J	1	WG2205261
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205261
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.176	0.562	B J	1	WG2205261
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205261
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205261
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205261
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205261
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205261
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205261
Butane	106-97-8	58	0.0522	0.200	0.474	0.544	1.29		1	WG2205261
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205261
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0848	0.534	J	1	WG2205261
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205261
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205261
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205261
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.515	1.06		1	WG2205261
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205261
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205261
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205261
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205261
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205261
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205261
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205261
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205261
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205261
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205261
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205261
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205261
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205261
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205261
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205261
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205261
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205261
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.70	10.7		1	WG2205261
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.101	0.438	J	1	WG2205261
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205261
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.226	1.27		1	WG2205261
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.505	2.50		1	WG2205261
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0835	0.640	J	1	WG2205261
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205261
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205261
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205261
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205261
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205261
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.149	0.517	J	1	WG2205261
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205261
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.160	0.472	J	1	WG2205261
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205261
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205261
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205261
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205261
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205261
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.213	0.629		1	WG2205261
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.800	1.97	J	1	WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205261
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205261
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205261
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205261
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205261
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.565	2.13		1	WG2205261
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205261
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205261
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205261
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205261
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205261
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205261
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205261
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205261
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205261
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205261
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.270	1.17	J	1	WG2205261
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*90.2*				WG2205261

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.72	11.2		1	WG2205285
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205285
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205285
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205285
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.205	0.655		1	WG2205285
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205285
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205285
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205285
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205285
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205285
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205285
Butane	106-97-8	58	0.0522	0.200	0.474	0.364	0.863		1	WG2205285
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205285
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2205285
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205285
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205285
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205285
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.514	1.06		1	WG2205285
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205285
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205285
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.240	1.40		1	WG2205285
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205285
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205285
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205285
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205285
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205285
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205285
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205285
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205285
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205285
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205285
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205285
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205285
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205285
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205285
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.14	17.2		1	WG2205285
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205285
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205285
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.197	1.11	J	1	WG2205285
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2205285
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205285
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205285
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205285
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205285
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205285
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205285
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.162	0.563	J	1	WG2205285
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205285
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.385	1.14	J	1	WG2205285
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205285
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205285
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205285
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205285
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205285
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.497	1.47		1	WG2205285
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.864	2.12	J	1	WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205285
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205285
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205285
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205285
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205285
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.889	3.35		1	WG2205285
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205285
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205285
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205285
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205285
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205285
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205285
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205285
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205285
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205285
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205285
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2205285
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205285
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*101*				WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.30	7.84		1	WG2205285
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205285
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205285
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205285
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.116	0.371	J	1	WG2205285
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205285
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205285
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205285
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205285
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205285
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205285
Butane	106-97-8	58	0.0522	0.200	0.474	0.352	0.835		1	WG2205285
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205285
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2205285
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205285
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205285
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205285
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.491	1.01		1	WG2205285
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205285
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205285
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205285
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205285
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205285
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205285
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205285
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205285
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205285
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205285
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205285
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205285
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205285
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205285
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205285
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205285
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205285
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.39	10.2	B	1	WG2205285
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205285
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205285
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.198	1.11	J	1	WG2205285
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2205285
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205285
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205285
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205285
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205285
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205285
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205285
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.159	0.552	J	1	WG2205285
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205285
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.454	1.34	J	1	WG2205285
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205285
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205285
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205285
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205285
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205285
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.148	0.437	J	1	WG2205285
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.786	1.93	J	1	WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205285
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205285
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205285
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205285
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205285
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.149	0.561	J	1	WG2205285
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205285
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205285
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205285
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205285
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205285
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205285
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205285
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205285
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205285
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205285
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2205285
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205285
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.8*				WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	1.90	4.51		1	WG2205285
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205285
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205285
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205285
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.108	0.345	J	1	WG2205285
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205285
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205285
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205285
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205285
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205285
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205285
Butane	106-97-8	58	0.0522	0.200	0.474	0.394	0.935		1	WG2205285
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205285
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2205285
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205285
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205285
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205285
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.516	1.07		1	WG2205285
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205285
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205285
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205285
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205285
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205285
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205285
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205285
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205285
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205285
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205285
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205285
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205285
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205285
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205285
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205285
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205285
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205285
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.90	7.35	B	1	WG2205285
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205285
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205285
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2205285
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.440	2.18		1	WG2205285
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205285
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205285
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205285
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205285
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205285
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205285
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.191	0.663	J	1	WG2205285
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205285
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.124	0.366	J	1	WG2205285
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205285
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205285
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205285
Naphthalene	91-20-3	128	0.350	0.630	3.30	0.560	2.93	J	1	WG2205285
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205285
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.165	0.487	J	1	WG2205285
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.542	1.33	J	1	WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205285
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205285
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205285
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205285
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205285
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2205285
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205285
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205285
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205285
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205285
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205285
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205285
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205285
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205285
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205285
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205285
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2205285
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205285
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*101*				WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.77	6.58		1	WG2205285
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205285
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205285
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205285
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.224	0.716		1	WG2205285
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205285
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205285
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205285
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205285
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205285
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205285
Butane	106-97-8	58	0.0522	0.200	0.474	0.424	1.01		1	WG2205285
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205285
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2205285
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205285
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205285
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205285
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.01	2.09		1	WG2205285
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205285
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2205285
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205285
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205285
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205285
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205285
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205285
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205285
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205285
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205285
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205285
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205285
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205285
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205285
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205285
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205285
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205285
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.7	20.2		1	WG2205285
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205285
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205285
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2205285
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.446	2.21		1	WG2205285
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205285
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205285
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205285
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205285
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205285
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205285
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2205285
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205285
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.160	0.472	J	1	WG2205285
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205285
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205285
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205285
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205285
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205285
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.153	0.451	J	1	WG2205285
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.455	1.12	J	1	WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205285
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205285
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205285
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205285
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205285
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.347	1.31	J	1	WG2205285
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205285
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205285
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205285
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205285
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205285
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205285
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205285
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205285
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205285
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205285
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2205285
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205285
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*101*				WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.34	5.56		1	WG2205285
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2205285
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2205285
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2205285
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.184	0.588	J	1	WG2205285
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2205285
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2205285
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2205285
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2205285
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2205285
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2205285
Butane	106-97-8	58	0.0522	0.200	0.474	0.438	1.04		1	WG2205285
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2205285
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2205285
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2205285
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2205285
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2205285
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.552	1.14		1	WG2205285
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2205285
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0962	0.331	J	1	WG2205285
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2205285
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2205285
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2205285
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2205285
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2205285
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2205285
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2205285
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2205285
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2205285
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2205285
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2205285
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2205285
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2205285
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2205285
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2205285
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.25	11.8	B	1	WG2205285
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2205285
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2205285
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2205285
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.429	2.12		1	WG2205285
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2205285
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2205285
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2205285
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2205285
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2205285
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2205285
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.147	0.510	J	1	WG2205285
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2205285
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.167	0.492	J	1	WG2205285
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2205285
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2205285
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2205285
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2205285
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2205285
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.224	0.661		1	WG2205285
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.371	0.912	J	1	WG2205285

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2205285
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2205285
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2205285
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2205285
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2205285
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.861	3.24		1	WG2205285
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2205285
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2205285
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2205285
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2205285
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2205285
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2205285
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2205285
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2205285
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2205285
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2205285
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.177	0.767	J	1	WG2205285
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2205285
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*101*				WG2205285

Method Blank (MB)

(MB) R4022111-3 01/11/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	0.0780	J	0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	0.0747	J	0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4022111-3 01/11/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*86.9*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022111-1 01/11/24 08:46 • (LCSD) R4022111-2 01/11/24 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.52	4.47	121	119	70.0-130			1.11	25
Acetonitrile	18.8	20.5	20.4	109	109	70.0-130			0.489	25
Acrylonitrile	3.75	4.08	4.09	109	109	70.0-130			0.245	25
Allyl chloride	3.75	4.14	3.97	110	106	70.0-130			4.19	25
Benzene	3.75	3.99	3.93	106	105	70.0-130			1.52	25
Benzyl Chloride	3.75	4.01	3.98	107	106	70.0-152			0.751	25
Bromodichloromethane	3.75	4.02	4.05	107	108	70.0-130			0.743	25
Bromoform	3.75	4.20	4.23	112	113	70.0-130			0.712	25
Bromomethane	3.75	4.11	4.05	110	108	70.0-130			1.47	25
Bromoethane	3.75	4.13	4.24	110	113	70.0-130			2.63	25
1,3-Butadiene	3.75	4.05	4.08	108	109	70.0-130			0.738	25
Butane	3.75	3.99	3.99	106	106	70.0-130			0.000	25
Carbon disulfide	3.75	4.63	4.63	123	123	70.0-130			0.000	25
Carbon tetrachloride	3.75	4.10	4.10	109	109	70.0-130			0.000	25
Chlorobenzene	3.75	4.04	4.11	108	110	70.0-130			1.72	25
Chloroethane	3.75	3.98	4.03	106	107	70.0-130			1.25	25
Chloroform	3.75	4.04	4.05	108	108	70.0-130			0.247	25
Chloromethane	3.75	3.94	4.03	105	107	70.0-130			2.26	25
2-Chlorotoluene	3.75	4.05	3.98	108	106	70.0-130			1.74	25
Cyclohexane	3.75	3.86	3.94	103	105	70.0-130			2.05	25
n-Decane	3.75	4.59	4.57	122	122	70.0-130			0.437	25
Dibromochloromethane	3.75	4.22	4.15	113	111	70.0-130			1.67	25
1,2-Dibromoethane	3.75	4.17	4.10	111	109	70.0-130			1.69	25
1,2-Dichlorobenzene	3.75	4.42	4.33	118	115	70.0-130			2.06	25
1,3-Dichlorobenzene	3.75	4.48	4.37	119	117	70.0-130			2.49	25
1,4-Dichlorobenzene	3.75	4.47	4.40	119	117	70.0-130			1.58	25
1,2-Dichloroethane	3.75	4.17	4.10	111	109	70.0-130			1.69	25
1,1-Dichloroethane	3.75	3.85	3.86	103	103	70.0-130			0.259	25
1,1-Dichloroethene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
cis-1,2-Dichloroethene	3.75	3.78	3.86	101	103	70.0-130			2.09	25
trans-1,2-Dichloroethene	3.75	3.97	3.97	106	106	70.0-130			0.000	25
1,2-Dichloropropane	3.75	3.87	3.85	103	103	70.0-130			0.518	25
cis-1,3-Dichloropropene	3.75	3.94	3.74	105	99.7	70.0-130			5.21	25
trans-1,3-Dichloropropene	3.75	3.86	4.11	103	110	70.0-130			6.27	25
1,4-Dioxane	3.75	3.97	3.85	106	103	70.0-140			3.07	25
Ethanol	3.75	3.79	3.81	101	102	55.0-148			0.526	25
Ethylbenzene	3.75	3.97	4.00	106	107	70.0-130			0.753	25
4-Ethyltoluene	3.75	4.34	4.26	116	114	70.0-130			1.86	25
Trichlorofluoromethane	3.75	4.27	4.23	114	113	70.0-130			0.941	25
Dichlorodifluoromethane	3.75	4.28	4.32	114	115	64.0-139			0.930	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022111-1 01/11/24 08:46 • (LCSD) R4022111-2 01/11/24 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.19	4.20	112	112	70.0-130			0.238	25
1,2-Dichlorotetrafluoroethane	3.75	4.17	4.17	111	111	70.0-130			0.000	25
Heptane	3.75	3.87	3.95	103	105	70.0-130			2.05	25
Hexachloro-1,3-butadiene	3.75	4.35	4.27	116	114	70.0-151			1.86	25
n-Hexane	3.75	3.84	3.86	102	103	70.0-130			0.519	25
Isopropylbenzene	3.75	4.17	4.15	111	111	70.0-130			0.481	25
Methylene Chloride	3.75	4.19	4.18	112	111	70.0-130			0.239	25
Methyl Butyl Ketone	3.75	3.92	4.02	105	107	70.0-149			2.52	25
2-Butanone (MEK)	3.75	3.75	3.88	100	103	70.0-130			3.41	25
4-Methyl-2-pentanone (MIBK)	3.75	4.05	4.07	108	109	70.0-139			0.493	25
Methyl methacrylate	3.75	3.87	3.93	103	105	70.0-130			1.54	25
MTBE	3.75	3.98	3.97	106	106	70.0-130			0.252	25
Naphthalene	3.75	4.14	4.07	110	109	70.0-159			1.71	25
Nonane	3.75	4.11	4.02	110	107	70.0-130			2.21	25
Pentane	3.75	3.97	3.97	106	106	70.0-130			0.000	25
2-Propanol	3.75	4.14	4.04	110	108	70.0-139			2.44	25
Propene	3.75	3.76	3.69	100	98.4	64.0-144			1.88	25
Styrene	3.75	4.10	4.06	109	108	70.0-130			0.980	25
1,1,2,2-Tetrachloroethane	3.75	4.08	4.08	109	109	70.0-130			0.000	25
Tetrachloroethylene	3.75	4.30	4.20	115	112	70.0-130			2.35	25
Tetrahydrofuran	3.75	3.82	3.89	102	104	70.0-137			1.82	25
Toluene	3.75	3.93	3.89	105	104	70.0-130			1.02	25
1,2,4-Trichlorobenzene	3.75	4.24	4.05	113	108	70.0-160			4.58	25
1,1,1-Trichloroethane	3.75	4.05	4.11	108	110	70.0-130			1.47	25
1,1,2-Trichloroethane	3.75	3.97	3.97	106	106	70.0-130			0.000	25
Trichloroethylene	3.75	4.05	4.13	108	110	70.0-130			1.96	25
1,2,4-Trimethylbenzene	3.75	4.39	4.31	117	115	70.0-130			1.84	25
1,3,5-Trimethylbenzene	3.75	4.36	4.27	116	114	70.0-130			2.09	25
2,2,4-Trimethylpentane	3.75	3.83	4.01	102	107	70.0-130			4.59	25
Vinyl chloride	3.75	4.08	4.02	109	107	70.0-130			1.48	25
Vinyl Bromide	3.75	4.13	4.07	110	109	70.0-130			1.46	25
Vinyl acetate	3.75	3.19	3.23	85.1	86.1	70.0-130			1.25	25
m&p-Xylene	7.50	8.45	8.30	113	111	70.0-130			1.79	25
o-Xylene	3.75	4.29	4.24	114	113	70.0-130			1.17	25
(S) 1,4-Bromofluorobenzene				*99.9*	*99.0*	*60.0-140*				

Method Blank (MB)

(MB) R4022153-3 01/11/24 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.661	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4022153-3 01/11/24 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*99.2*			*60.0-140*

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022153-1 01/11/24 09:19 • (LCSD) R4022153-2 01/11/24 09:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
Acetonitrile	18.8	17.6	17.9	93.6	95.2	70.0-130			1.69	25
Acrylonitrile	3.75	3.55	3.49	94.7	93.1	70.0-130			1.70	25
Allyl chloride	3.75	3.82	3.43	102	91.5	70.0-130			10.8	25
Benzene	3.75	3.50	3.47	93.3	92.5	70.0-130			0.861	25
Benzyl Chloride	3.75	3.67	3.62	97.9	96.5	70.0-152			1.37	25
Bromodichloromethane	3.75	3.47	3.47	92.5	92.5	70.0-130			0.000	25
Bromoform	3.75	3.36	3.35	89.6	89.3	70.0-130			0.298	25
Bromomethane	3.75	3.48	3.40	92.8	90.7	70.0-130			2.33	25
Bromoethane	3.75	3.44	3.37	91.7	89.9	70.0-130			2.06	25
1,3-Butadiene	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
Butane	3.75	3.73	3.69	99.5	98.4	70.0-130			1.08	25
Carbon disulfide	3.75	3.47	3.43	92.5	91.5	70.0-130			1.16	25
Carbon tetrachloride	3.75	3.48	3.49	92.8	93.1	70.0-130			0.287	25
Chlorobenzene	3.75	3.50	3.48	93.3	92.8	70.0-130			0.573	25
Chloroethane	3.75	3.63	3.57	96.8	95.2	70.0-130			1.67	25
Chloroform	3.75	3.54	3.53	94.4	94.1	70.0-130			0.283	25
Chloromethane	3.75	3.60	3.56	96.0	94.9	70.0-130			1.12	25
2-Chlorotoluene	3.75	3.54	3.54	94.4	94.4	70.0-130			0.000	25
Cyclohexane	3.75	3.48	3.49	92.8	93.1	70.0-130			0.287	25
n-Decane	3.75	3.97	3.92	106	105	70.0-130			1.27	25
Dibromochloromethane	3.75	3.41	3.39	90.9	90.4	70.0-130			0.588	25
1,2-Dibromoethane	3.75	3.47	3.43	92.5	91.5	70.0-130			1.16	25
1,2-Dichlorobenzene	3.75	3.51	3.50	93.6	93.3	70.0-130			0.285	25
1,3-Dichlorobenzene	3.75	3.55	3.52	94.7	93.9	70.0-130			0.849	25
1,4-Dichlorobenzene	3.75	3.60	3.54	96.0	94.4	70.0-130			1.68	25
1,2-Dichloroethane	3.75	3.64	3.60	97.1	96.0	70.0-130			1.10	25
1,1-Dichloroethane	3.75	3.56	3.53	94.9	94.1	70.0-130			0.846	25
1,1-Dichloroethene	3.75	3.52	3.47	93.9	92.5	70.0-130			1.43	25
cis-1,2-Dichloroethene	3.75	3.51	3.49	93.6	93.1	70.0-130			0.571	25
trans-1,2-Dichloroethene	3.75	3.50	3.51	93.3	93.6	70.0-130			0.285	25
1,2-Dichloropropane	3.75	3.52	3.49	93.9	93.1	70.0-130			0.856	25
cis-1,3-Dichloropropene	3.75	3.49	3.45	93.1	92.0	70.0-130			1.15	25
trans-1,3-Dichloropropene	3.75	3.52	3.48	93.9	92.8	70.0-130			1.14	25
1,4-Dioxane	3.75	3.50	3.49	93.3	93.1	70.0-140			0.286	25
Ethanol	3.75	3.87	3.84	103	102	55.0-148			0.778	25
Ethylbenzene	3.75	3.51	3.49	93.6	93.1	70.0-130			0.571	25
4-Ethyltoluene	3.75	3.61	3.61	96.3	96.3	70.0-130			0.000	25
Trichlorofluoromethane	3.75	3.52	3.53	93.9	94.1	70.0-130			0.284	25
Dichlorodifluoromethane	3.75	3.56	3.54	94.9	94.4	64.0-139			0.563	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022153-1 01/11/24 09:19 • (LCSD) R4022153-2 01/11/24 09:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.39	3.42	90.4	91.2	70.0-130			0.881	25
1,2-Dichlorotetrafluoroethane	3.75	3.49	3.46	93.1	92.3	70.0-130			0.863	25
Heptane	3.75	3.67	3.63	97.9	96.8	70.0-130			1.10	25
Hexachloro-1,3-butadiene	3.75	3.37	3.36	89.9	89.6	70.0-151			0.297	25
n-Hexane	3.75	3.58	3.56	95.5	94.9	70.0-130			0.560	25
Isopropylbenzene	3.75	3.55	3.55	94.7	94.7	70.0-130			0.000	25
Methylene Chloride	3.75	3.56	3.51	94.9	93.6	70.0-130			1.41	25
Methyl Butyl Ketone	3.75	3.70	3.66	98.7	97.6	70.0-149			1.09	25
2-Butanone (MEK)	3.75	3.47	3.50	92.5	93.3	70.0-130			0.861	25
4-Methyl-2-pentanone (MIBK)	3.75	3.67	3.68	97.9	98.1	70.0-139			0.272	25
Methyl methacrylate	3.75	3.43	3.42	91.5	91.2	70.0-130			0.292	25
MTBE	3.75	3.56	3.53	94.9	94.1	70.0-130			0.846	25
Naphthalene	3.75	3.56	3.52	94.9	93.9	70.0-159			1.13	25
Nonane	3.75	3.66	3.66	97.6	97.6	70.0-130			0.000	25
Pentane	3.75	3.50	3.50	93.3	93.3	70.0-130			0.000	25
2-Propanol	3.75	3.69	3.67	98.4	97.9	70.0-139			0.543	25
Propene	3.75	3.58	3.62	95.5	96.5	64.0-144			1.11	25
Styrene	3.75	3.51	3.50	93.6	93.3	70.0-130			0.285	25
1,1,2,2-Tetrachloroethane	3.75	3.50	3.50	93.3	93.3	70.0-130			0.000	25
Tetrachloroethylene	3.75	3.41	3.38	90.9	90.1	70.0-130			0.884	25
Tetrahydrofuran	3.75	3.65	3.64	97.3	97.1	70.0-137			0.274	25
Toluene	3.75	3.51	3.48	93.6	92.8	70.0-130			0.858	25
1,2,4-Trichlorobenzene	3.75	3.38	3.39	90.1	90.4	70.0-160			0.295	25
1,1,1-Trichloroethane	3.75	3.52	3.46	93.9	92.3	70.0-130			1.72	25
1,1,2-Trichloroethane	3.75	3.42	3.38	91.2	90.1	70.0-130			1.18	25
Trichloroethylene	3.75	3.49	3.42	93.1	91.2	70.0-130			2.03	25
1,2,4-Trimethylbenzene	3.75	3.57	3.55	95.2	94.7	70.0-130			0.562	25
1,3,5-Trimethylbenzene	3.75	3.58	3.57	95.5	95.2	70.0-130			0.280	25
2,2,4-Trimethylpentane	3.75	3.59	3.56	95.7	94.9	70.0-130			0.839	25
Vinyl chloride	3.75	3.61	3.52	96.3	93.9	70.0-130			2.52	25
Vinyl Bromide	3.75	3.41	3.39	90.9	90.4	70.0-130			0.588	25
Vinyl acetate	3.75	3.67	3.55	97.9	94.7	70.0-130			3.32	25
m&p-Xylene	7.50	7.08	7.10	94.4	94.7	70.0-130			0.282	25
o-Xylene	3.75	3.54	3.54	94.4	94.4	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

B204

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; jmreilly@cteh.com
Accounting	Send invoices to

CTEH Project # Ø32692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LL695269

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWAØ1Ø7MCØØ1	Ø157ØØ	ØØ9711	Ø1/Ø7/24	2Ø24	Ø1/Ø8/24	1947	-28	-4	DA	✓				A-01
MTWAØ1Ø7MCØØ2	Ø1Ø883	Ø11717	Ø1/Ø7/24	2Ø39	Ø1/Ø8/24	1856	-28	Ø	DA	✓				A-02
MTWAØ1Ø7MCØØ2CL	Ø28Ø29	Ø23535	Ø1/Ø7/24	2Ø39	Ø1/Ø8/24	1856	-28	-3	DA	✓				A-03
MTWAØ1Ø7MCØØ3	Ø12433	Ø29289	Ø1/Ø7/24	2118	Ø1/Ø8/24	1921	-28	-2	DA	✓				A-04
MTWAØ1Ø7MCØØ4	Ø28Ø56	Ø23166	Ø1/Ø7/24	2132	Ø1/Ø8/24	193Ø	-28	-4	DA	✓				A-05
MTWAØ1Ø8MCØØ1	Ø28836	ØØ9516	Ø1/Ø8/24	23ØØ	Ø1/Ø9/24	2142	-28	-4	DA	✓				A-06
MTWAØ1Ø9MCØØ2	Ø111Ø	Ø15661	Ø1/Ø8/24	2312	Ø1/Ø9/24	2204	-28	-3	DA	✓				A-07
MTWAØ1Ø9MCØØ3	Ø15612	Ø23563	Ø1/Ø8/24	2326	Ø1/Ø9/24	~~2326~~ 2228 DA	-29	-2	DA	✓				A-08

Sample Receipt Checklist
COC Seal Present/Intact: ✓Y N
COC Signed/Accurate: ✓Y N
Bottles arrive intact: ✓Y N
Correct bottles used: ✓Y N
Airs Size: ✓1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Matia Glover	Ø1·10/8:30	Honeywell	Ø1·10/8:30	
Lynell Pelletier	01·10/9:45	FedEx	01·10/9:45	
			1/11/24 9:ØØ	7891 3214 2181

SDG# _____

Page 1 of 1

1/11-NCF-L1695269 CTEHER

R0/R1

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) JS Jared Starkey SG Shane Gambill

Due on *15 January 2024 8:00 AM* for target *Done*

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [x] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Hailey Robertson *11 January 2024 10:26 AM*

COC has IDs: MTWA0109MC002 and MTWA0109MC003 but the canisters have the IDs as: MTWA0108MC002 and MTWA0108MC003. The Canister #s match the COC. Currently logged per COC.

Shane Gambill *11 January 2024 1:42 PM*

Client has been notified, please log according to the COC.

Hailey Robertson *11 January 2024 1:43 PM*

Done

B204

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com jmreilly@cteh.com
Accounting	Send Invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ LL695269

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix
MTWA0107MC0001	015700	009711	01/07/24	2024	01/08/24	1947	-28	-4	DA	✓				A-01
MTWA0107MC0002	010883	01AS	01/07/24	2039	01/08/24	1856	-28	0	DA	✓				A-02
MTWA0107MC0002CL	028029	023535	01/07/24	2039	01/08/24	1856	-28	-3	DA	✓				A-03
MTWA0107MC0003	012433	029289	01/07/24	2118	01/08/24	1921	-28	-2	DA	✓				A-04
MTWA0107MC0004	028056	023166	01/07/24	2132	01/08/24	1930	-28	-4	DA	✓				A-05
MTWA0108MC0001	028836	009516	01/08/24	2300	01/09/24	2142	-28	-4	DA	✓				A-06
AS MTWA0108MC0002	011120	015661	01/08/24	2312	01/09/24	2204	-28	-3	DA	✓				A-07
AS MTWA0108MC0003	015612	023563	01/08/24	2326	01/09/24	2326 DA	-29	-2	DA	✓				A-08

DA

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Airs
Size: 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Maria Glover	01.10/8:30	Henault	01.10/8:30	
Jane Whitten	01.10/9:45	FedEx	01.10/9:45	

7891 3214 2181

ANALYTICAL REPORT

April 04, 2024

Revised Report

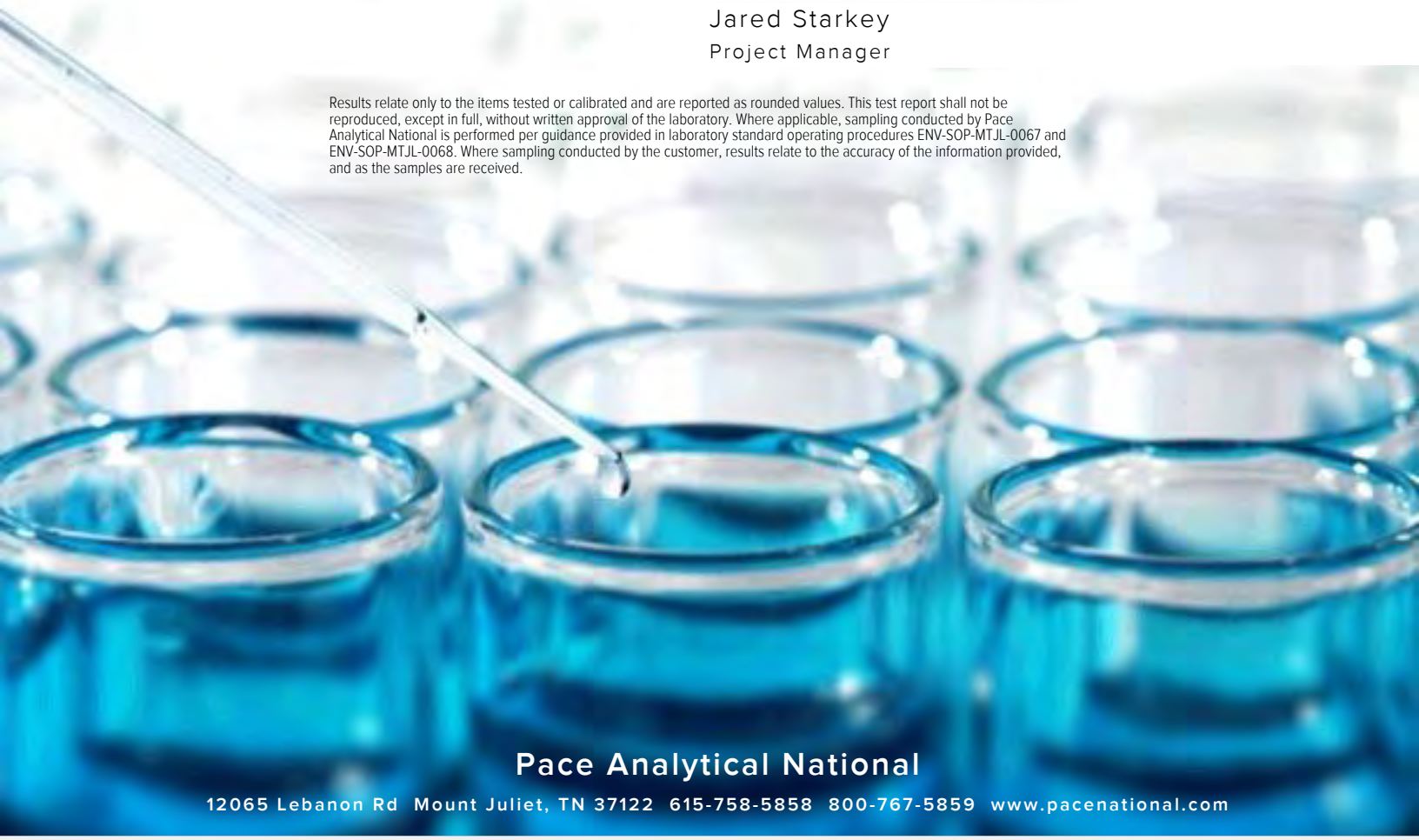
CTEH - ER

Sample Delivery Group:	L1695731
Samples Received:	01/12/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0109MC001 L1695731-01 Air

Collected by: EH | Collected date/time: 01/10/24 20:37 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206084	1	01/12/24 13:50	01/12/24 13:50	DAH	Mt. Juliet, TN

MTWA0109MC002 L1695731-02 Air

Collected by: EH | Collected date/time: 01/10/24 21:05 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206084	1	01/12/24 14:20	01/12/24 14:20	DAH	Mt. Juliet, TN

MTWA0109MC003 L1695731-03 Air

Collected by: EH | Collected date/time: 01/10/24 21:23 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206085	1	01/12/24 11:09	01/12/24 11:09	MNP	Mt. Juliet, TN

MTWA0109MC004 L1695731-04 Air

Collected by: EH | Collected date/time: 01/10/24 21:46 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206085	1	01/12/24 11:38	01/12/24 11:38	MNP	Mt. Juliet, TN

MTWA0109MC004CL L1695731-05 Air

Collected by: EH | Collected date/time: 01/10/24 21:46 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206085	1	01/12/24 12:06	01/12/24 12:06	MNP	Mt. Juliet, TN

MTWA0110MC001 L1695731-06 Air

Collected by: EH | Collected date/time: 01/11/24 13:10 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206085	1	01/12/24 12:35	01/12/24 12:35	MNP	Mt. Juliet, TN

MTWA0110MC001CL L1695731-07 Air

Collected by: EH | Collected date/time: 01/11/24 13:10 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206089	1	01/12/24 11:04	01/12/24 11:04	MNP	Mt. Juliet, TN

MTWA0110MC002 L1695731-08 Air

Collected by: EH | Collected date/time: 01/11/24 12:53 | Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206089	1	01/12/24 11:33	01/12/24 11:33	MNP	Mt. Juliet, TN

MTWA0110MC003 L1695731-09 Air

Collected by: EH
Collected date/time: 01/11/24 13:21
Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206089	1	01/12/24 12:00	01/12/24 12:00	MNP	Mt. Juliet, TN

MTWA0110MC004 L1695731-10 Air

Collected by: EH
Collected date/time: 01/11/24 13:28
Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2206089	1	01/12/24 12:28	01/12/24 12:28	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 01/12/24 17:15
Level II Report - Version 2: 02/04/24 19:00
Level IV Report - Version 3: 04/03/24 19:22

Project Comments

Samples L1695731-01 thru -05 were rec'd at 0 "/Hg

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2206085	Dichlorodifluoromethane	L1695731-03, 04, 05, 06

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0109MC001	L1695731-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.37	5.63		1	WG2206084
MTWA0109MC001	L1695731-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.166	0.530	J	1	WG2206084
MTWA0109MC001	L1695731-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.474	1.12		1	WG2206084
MTWA0109MC001	L1695731-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.569	1.18		1	WG2206084
MTWA0109MC001	L1695731-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.22	4.19	J	1	WG2206084
MTWA0109MC001	L1695731-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2206084
MTWA0109MC001	L1695731-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.418	2.07		1	WG2206084
MTWA0109MC001	L1695731-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.897	2.20	J	1	WG2206084
MTWA0109MC001	L1695731-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.158	0.595	J	1	WG2206084
MTWA0109MC002	L1695731-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.73	8.86		1	WG2206084
MTWA0109MC002	L1695731-02	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.95	4.23	J	1	WG2206084
MTWA0109MC002	L1695731-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.280	0.894		1	WG2206084
MTWA0109MC002	L1695731-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.518	1.23		1	WG2206084
MTWA0109MC002	L1695731-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.496	1.02		1	WG2206084
MTWA0109MC002	L1695731-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.33	10.0		1	WG2206084
MTWA0109MC002	L1695731-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG2206084
MTWA0109MC002	L1695731-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.412	2.04		1	WG2206084
MTWA0109MC002	L1695731-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.765	1.88	J	1	WG2206084
MTWA0109MC002	L1695731-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.901	3.39		1	WG2206084
MTWA0109MC003	L1695731-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.03	7.20		1	WG2206085
MTWA0109MC003	L1695731-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.295	0.942		1	WG2206085
MTWA0109MC003	L1695731-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.800	1.90		1	WG2206085
MTWA0109MC003	L1695731-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.567	1.17		1	WG2206085
MTWA0109MC003	L1695731-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.04	5.73		1	WG2206085
MTWA0109MC003	L1695731-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2206085
MTWA0109MC003	L1695731-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.505	2.50	B	1	WG2206085
MTWA0109MC003	L1695731-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.350	1.22		1	WG2206085
MTWA0109MC003	L1695731-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.135	0.398	J	1	WG2206085
MTWA0109MC003	L1695731-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.308	0.909		1	WG2206085
MTWA0109MC003	L1695731-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.752	1.85	J	1	WG2206085
MTWA0109MC003	L1695731-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.202	0.761	J	1	WG2206085

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0109MC004	L1695731-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.53	6.01		1	WG2206085
MTWA0109MC004	L1695731-04	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.71	8.04	J	1	WG2206085
MTWA0109MC004	L1695731-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.172	0.549	J	1	WG2206085
MTWA0109MC004	L1695731-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.612	1.45		1	WG2206085
MTWA0109MC004	L1695731-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.547	1.13		1	WG2206085
MTWA0109MC004	L1695731-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.88	14.9		1	WG2206085
MTWA0109MC004	L1695731-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.227	1.28		1	WG2206085
MTWA0109MC004	L1695731-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.524	2.59	B	1	WG2206085
MTWA0109MC004	L1695731-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747		1	WG2206085
MTWA0109MC004	L1695731-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.225	0.663	J	1	WG2206085
MTWA0109MC004	L1695731-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.278	0.820		1	WG2206085
MTWA0109MC004	L1695731-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.445	1.09	J	1	WG2206085
MTWA0109MC004	L1695731-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.388	1.46	J	1	WG2206085
MTWA0109MC004CL	L1695731-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.82	9.08		1	WG2206085
MTWA0109MC004CL	L1695731-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.178	0.569	J	1	WG2206085
MTWA0109MC004CL	L1695731-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.512	1.21		1	WG2206085
MTWA0109MC004CL	L1695731-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.556	1.15		1	WG2206085
MTWA0109MC004CL	L1695731-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.82	5.32		1	WG2206085
MTWA0109MC004CL	L1695731-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.239	1.34		1	WG2206085
MTWA0109MC004CL	L1695731-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.506	2.50	B	1	WG2206085
MTWA0109MC004CL	L1695731-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.223	0.774		1	WG2206085
MTWA0109MC004CL	L1695731-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.292	0.861	J	1	WG2206085
MTWA0109MC004CL	L1695731-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.139	0.410	J	1	WG2206085
MTWA0109MC004CL	L1695731-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.388	0.954	J	1	WG2206085
MTWA0109MC004CL	L1695731-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.137	0.516	J	1	WG2206085
MTWA0110MC001	L1695731-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.97	9.43		1	WG2206085
MTWA0110MC001	L1695731-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.150	0.479	J	1	WG2206085
MTWA0110MC001	L1695731-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.794	1.88		1	WG2206085
MTWA0110MC001	L1695731-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.544	1.12		1	WG2206085
MTWA0110MC001	L1695731-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.1	20.9		1	WG2206085
MTWA0110MC001	L1695731-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.247	1.39		1	WG2206085
MTWA0110MC001	L1695731-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.492	2.43	B	1	WG2206085
MTWA0110MC001	L1695731-06	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.211	0.744	J	1	WG2206085

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0110MC001	L1695731-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.670	2.33		1	WG2206085
MTWA0110MC001	L1695731-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.166	0.490	J	1	WG2206085
MTWA0110MC001	L1695731-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.460	1.36		1	WG2206085
MTWA0110MC001	L1695731-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.88	4.62		1	WG2206085
MTWA0110MC001	L1695731-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.418	1.57	J	1	WG2206085
MTWA0110MC001CL	L1695731-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2206089
MTWA0110MC001CL	L1695731-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.848	2.71		1	WG2206089
MTWA0110MC001CL	L1695731-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.923	2.19		1	WG2206089
MTWA0110MC001CL	L1695731-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.424	0.876		1	WG2206089
MTWA0110MC001CL	L1695731-07	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.109	0.375	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.82	7.20		1	WG2206089
MTWA0110MC001CL	L1695731-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.187	1.05	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.328	1.62		1	WG2206089
MTWA0110MC001CL	L1695731-07	Heptane	142-82-5	100	0.104	0.200	0.818	0.189	0.773	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.376	1.33	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.288	1.00		1	WG2206089
MTWA0110MC001CL	L1695731-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.319	0.941	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.484	1.43		1	WG2206089
MTWA0110MC001CL	L1695731-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.04	2.56	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.543	2.05		1	WG2206089
MTWA0110MC001CL	L1695731-07	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.251	1.17		1	WG2206089
MTWA0110MC001CL	L1695731-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.218	0.945	J	1	WG2206089
MTWA0110MC001CL	L1695731-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0883	0.383	J	1	WG2206089
MTWA0110MC002	L1695731-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.10	14.5		1	WG2206089
MTWA0110MC002	L1695731-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.436	1.39		1	WG2206089
MTWA0110MC002	L1695731-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.545	1.29		1	WG2206089
MTWA0110MC002	L1695731-08	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0747	0.471	J	1	WG2206089
MTWA0110MC002	L1695731-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.541	1.12		1	WG2206089
MTWA0110MC002	L1695731-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.24	11.8		1	WG2206089
MTWA0110MC002	L1695731-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.224	1.26		1	WG2206089
MTWA0110MC002	L1695731-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.413	2.04		1	WG2206089
MTWA0110MC002	L1695731-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.241	0.837		1	WG2206089
MTWA0110MC002	L1695731-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.292	0.861	J	1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0110MC002	L1695731-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.218	0.643		1	WG2206089
MTWA0110MC002	L1695731-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.555	1.36	J	1	WG2206089
MTWA0110MC002	L1695731-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.12	4.22		1	WG2206089
MTWA0110MC002	L1695731-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.156	0.676	J	1	WG2206089
MTWA0110MC003	L1695731-09	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.62	11.0		1	WG2206089
MTWA0110MC003	L1695731-09	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.697	1.17	J	1	WG2206089
MTWA0110MC003	L1695731-09	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.251	0.802		1	WG2206089
MTWA0110MC003	L1695731-09	Butane	106-97-8	58	0.0522	0.200	0.474	1.36	3.23		1	WG2206089
MTWA0110MC003	L1695731-09	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.112	0.295	J	1	WG2206089
MTWA0110MC003	L1695731-09	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.432	0.892		1	WG2206089
MTWA0110MC003	L1695731-09	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.147	0.506	J	1	WG2206089
MTWA0110MC003	L1695731-09	Ethanol	64-17-5	46.10	0.265	2.50	4.71	49.9	94.1		1	WG2206089
MTWA0110MC003	L1695731-09	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.192	1.08	J	1	WG2206089
MTWA0110MC003	L1695731-09	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.374	1.85		1	WG2206089
MTWA0110MC003	L1695731-09	Heptane	142-82-5	100	0.104	0.200	0.818	0.173	0.708	J	1	WG2206089
MTWA0110MC003	L1695731-09	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.436	1.54	J	1	WG2206089
MTWA0110MC003	L1695731-09	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.83	6.35		1	WG2206089
MTWA0110MC003	L1695731-09	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.296	0.873	J	1	WG2206089
MTWA0110MC003	L1695731-09	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0614	0.322	J	1	WG2206089
MTWA0110MC003	L1695731-09	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.85	5.46		1	WG2206089
MTWA0110MC003	L1695731-09	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.93	19.5		1	WG2206089
MTWA0110MC003	L1695731-09	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.04	3.92		1	WG2206089
MTWA0110MC003	L1695731-09	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.228	0.988	J	1	WG2206089
MTWA0110MC003	L1695731-09	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.101	0.438	J	1	WG2206089
MTWA0110MC004	L1695731-10	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.15	9.86		1	WG2206089
MTWA0110MC004	L1695731-10	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.591	0.992	J	1	WG2206089
MTWA0110MC004	L1695731-10	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.182	0.581	J	1	WG2206089
MTWA0110MC004	L1695731-10	Butane	106-97-8	58	0.0522	0.200	0.474	1.08	2.56		1	WG2206089
MTWA0110MC004	L1695731-10	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.475	0.981		1	WG2206089
MTWA0110MC004	L1695731-10	Ethanol	64-17-5	46.10	0.265	2.50	4.71	35.0	66.0		1	WG2206089
MTWA0110MC004	L1695731-10	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.198	1.11	J	1	WG2206089
MTWA0110MC004	L1695731-10	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.377	1.86		1	WG2206089
MTWA0110MC004	L1695731-10	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.223	0.786	J	1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0110MC004	L1695731-10	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.45	5.03		1	WG2206089
MTWA0110MC004	L1695731-10	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.269	0.793	J	1	WG2206089
MTWA0110MC004	L1695731-10	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.0788	0.323	J	1	WG2206089
MTWA0110MC004	L1695731-10	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.30	3.84		1	WG2206089
MTWA0110MC004	L1695731-10	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	6.09	15.0		1	WG2206089
MTWA0110MC004	L1695731-10	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.387	1.46	J	1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.37	5.63		1	WG2206084
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206084
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206084
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206084
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.166	0.530	J	1	WG2206084
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206084
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206084
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206084
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206084
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206084
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206084
Butane	106-97-8	58	0.0522	0.200	0.474	0.474	1.12		1	WG2206084
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206084
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206084
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206084
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206084
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206084
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.569	1.18		1	WG2206084
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206084
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206084
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206084
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206084
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206084
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206084
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206084
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206084
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206084
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206084
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206084
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206084
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206084
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206084
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206084
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206084
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206084
Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.22	4.19	J	1	WG2206084
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206084
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206084
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2206084
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.418	2.07		1	WG2206084
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206084
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206084
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206084
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206084
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2206084
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206084
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2206084
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206084
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2206084
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206084
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206084
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206084
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206084
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206084
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2206084
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.897	2.20	J	1	WG2206084

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206084
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206084
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206084
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206084
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206084
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.158	0.595	J	1	WG2206084
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206084
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206084
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206084
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206084
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206084
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206084
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206084
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206084
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206084
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206084
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206084
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206084
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*86.1*				WG2206084

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.73	8.86		1	WG2206084
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206084
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.95	4.23	J	1	WG2206084
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206084
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.280	0.894		1	WG2206084
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206084
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206084
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206084
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206084
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206084
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206084
Butane	106-97-8	58	0.0522	0.200	0.474	0.518	1.23		1	WG2206084
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206084
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206084
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206084
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206084
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206084
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.496	1.02		1	WG2206084
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206084
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206084
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206084
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206084
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206084
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206084
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206084
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206084
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206084
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206084
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206084
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206084
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206084
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206084
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206084
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206084
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206084
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.33	10.0		1	WG2206084
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206084
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206084
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG2206084
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.412	2.04		1	WG2206084
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206084
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206084
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206084
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206084
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2206084
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206084
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2206084
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206084
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2206084
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206084
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206084
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206084
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206084
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206084
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2206084
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.765	1.88	J	1	WG2206084

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206084
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206084
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206084
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206084
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206084
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.901	3.39		1	WG2206084
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206084
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206084
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206084
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206084
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206084
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206084
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206084
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206084
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206084
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206084
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206084
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206084
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*87.4*				WG2206084

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.03	7.20		1	WG2206085
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206085
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206085
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206085
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.295	0.942		1	WG2206085
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206085
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206085
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206085
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206085
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206085
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206085
Butane	106-97-8	58	0.0522	0.200	0.474	0.800	1.90		1	WG2206085
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206085
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206085
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206085
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206085
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206085
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.567	1.17		1	WG2206085
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206085
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206085
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206085
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206085
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206085
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206085
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206085
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206085
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206085
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206085
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206085
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206085
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206085
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206085
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206085
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206085
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206085
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.04	5.73		1	WG2206085
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206085
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206085
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2206085
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.505	2.50	B	1	WG2206085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206085
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206085
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206085
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2206085
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206085
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.350	1.22		1	WG2206085
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206085
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.135	0.398	J	1	WG2206085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206085
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206085
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206085
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206085
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206085
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.308	0.909		1	WG2206085
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.752	1.85	J	1	WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206085
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206085
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206085
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206085
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.202	0.761	J	1	WG2206085
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206085
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206085
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206085
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206085
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206085
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206085
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206085
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206085
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206085
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206085
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206085
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*88.4*				WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.53	6.01		1	WG2206085
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206085
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.71	8.04	J	1	WG2206085
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206085
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.172	0.549	J	1	WG2206085
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206085
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206085
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206085
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206085
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206085
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206085
Butane	106-97-8	58	0.0522	0.200	0.474	0.612	1.45		1	WG2206085
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206085
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206085
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206085
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206085
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206085
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.547	1.13		1	WG2206085
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206085
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206085
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206085
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206085
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206085
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206085
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206085
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206085
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206085
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206085
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206085
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206085
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206085
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206085
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206085
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206085
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206085
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.88	14.9		1	WG2206085
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206085
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206085
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.227	1.28		1	WG2206085
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.524	2.59	B	1	WG2206085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206085
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206085
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206085
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2206085
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206085
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747		1	WG2206085
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206085
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.225	0.663	J	1	WG2206085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206085
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206085
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206085
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206085
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206085
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.278	0.820		1	WG2206085
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.445	1.09	J	1	WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206085
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206085
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206085
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206085
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.388	1.46	J	1	WG2206085
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206085
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206085
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206085
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206085
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206085
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206085
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206085
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206085
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206085
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206085
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206085
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*87.9*				WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.82	9.08		1	WG2206085
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206085
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206085
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206085
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.178	0.569	J	1	WG2206085
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206085
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206085
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206085
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206085
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206085
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206085
Butane	106-97-8	58	0.0522	0.200	0.474	0.512	1.21		1	WG2206085
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206085
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206085
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206085
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206085
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206085
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.556	1.15		1	WG2206085
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206085
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206085
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206085
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206085
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206085
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206085
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206085
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206085
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206085
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206085
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206085
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206085
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206085
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206085
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206085
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206085
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206085
Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.82	5.32		1	WG2206085
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206085
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206085
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.239	1.34		1	WG2206085
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.506	2.50	B	1	WG2206085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206085
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206085
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206085
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2206085
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206085
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.223	0.774		1	WG2206085
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206085
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.292	0.861	J	1	WG2206085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206085
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206085
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206085
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206085
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206085
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.139	0.410	J	1	WG2206085
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.388	0.954	J	1	WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206085
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206085
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206085
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206085
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.137	0.516	J	1	WG2206085
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206085
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206085
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206085
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206085
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206085
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206085
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206085
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206085
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206085
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206085
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206085
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*86.5*				WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.97	9.43		1	WG2206085
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206085
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206085
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206085
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.150	0.479	J	1	WG2206085
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206085
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206085
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206085
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206085
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206085
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206085
Butane	106-97-8	58	0.0522	0.200	0.474	0.794	1.88		1	WG2206085
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206085
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206085
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206085
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206085
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206085
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.544	1.12		1	WG2206085
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206085
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206085
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206085
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206085
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206085
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206085
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206085
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206085
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206085
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206085
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206085
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206085
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206085
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206085
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206085
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206085
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206085
Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.1	20.9		1	WG2206085
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206085
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206085
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.247	1.39		1	WG2206085
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.492	2.43	B	1	WG2206085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206085
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206085
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206085
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.211	0.744	J	1	WG2206085
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206085
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.670	2.33		1	WG2206085
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206085
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.166	0.490	J	1	WG2206085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206085
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206085
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206085
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206085
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206085
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.460	1.36		1	WG2206085
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.88	4.62		1	WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206085
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206085
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206085
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206085
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.418	1.57	J	1	WG2206085
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206085
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206085
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206085
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206085
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206085
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206085
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206085
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206085
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206085
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206085
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206085
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*87.5*				WG2206085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2206089
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206089
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206089
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206089
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.848	2.71		1	WG2206089
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206089
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206089
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206089
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206089
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206089
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206089
Butane	106-97-8	58	0.0522	0.200	0.474	0.923	2.19		1	WG2206089
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206089
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206089
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206089
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206089
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206089
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.424	0.876		1	WG2206089
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206089
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.109	0.375	J	1	WG2206089
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206089
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206089
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206089
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206089
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206089
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206089
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206089
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206089
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206089
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206089
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206089
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206089
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206089
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206089
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206089
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.82	7.20		1	WG2206089
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206089
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206089
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.187	1.05	J	1	WG2206089
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.328	1.62		1	WG2206089
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206089
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206089
Heptane	142-82-5	100	0.104	0.200	0.818	0.189	0.773	J	1	WG2206089
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206089
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.376	1.33	J	1	WG2206089
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206089
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.288	1.00		1	WG2206089
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206089
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.319	0.941	J	1	WG2206089
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206089
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206089
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206089
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206089
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206089
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.484	1.43		1	WG2206089
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.04	2.56	J	1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206089
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206089
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206089
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206089
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206089
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.543	2.05		1	WG2206089
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206089
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206089
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206089
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206089
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206089
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206089
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.251	1.17		1	WG2206089
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206089
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206089
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206089
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.218	0.945	J	1	WG2206089
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0883	0.383	J	1	WG2206089
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*105*				WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.10	14.5		1	WG2206089
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2206089
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206089
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206089
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.436	1.39		1	WG2206089
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206089
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206089
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206089
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206089
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206089
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206089
Butane	106-97-8	58	0.0522	0.200	0.474	0.545	1.29		1	WG2206089
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206089
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0747	0.471	J	1	WG2206089
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206089
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206089
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206089
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.541	1.12		1	WG2206089
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206089
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206089
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206089
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206089
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206089
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206089
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206089
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206089
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206089
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206089
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206089
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206089
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206089
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206089
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206089
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206089
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206089
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.24	11.8		1	WG2206089
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206089
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206089
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.224	1.26		1	WG2206089
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.413	2.04		1	WG2206089
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206089
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206089
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206089
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206089
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2206089
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206089
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.241	0.837		1	WG2206089
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206089
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.292	0.861	J	1	WG2206089
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206089
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206089
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206089
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206089
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206089
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.218	0.643		1	WG2206089
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.555	1.36	J	1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206089
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206089
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206089
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206089
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206089
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.12	4.22		1	WG2206089
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206089
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206089
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206089
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206089
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206089
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206089
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206089
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206089
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206089
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206089
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.156	0.676	J	1	WG2206089
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206089
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*106*				WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.62	11.0		1	WG2206089
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.697	1.17	J	1	WG2206089
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206089
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206089
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.251	0.802		1	WG2206089
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206089
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206089
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206089
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206089
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206089
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206089
Butane	106-97-8	58	0.0522	0.200	0.474	1.36	3.23		1	WG2206089
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206089
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206089
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206089
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.112	0.295	J	1	WG2206089
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206089
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.432	0.892		1	WG2206089
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206089
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.147	0.506	J	1	WG2206089
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206089
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206089
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206089
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206089
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206089
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206089
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206089
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206089
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206089
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206089
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206089
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206089
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206089
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206089
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206089
Ethanol	64-17-5	46.10	0.265	2.50	4.71	49.9	94.1		1	WG2206089
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206089
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206089
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.192	1.08	J	1	WG2206089
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.374	1.85		1	WG2206089
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206089
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206089
Heptane	142-82-5	100	0.104	0.200	0.818	0.173	0.708	J	1	WG2206089
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206089
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.436	1.54	J	1	WG2206089
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206089
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.83	6.35		1	WG2206089
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206089
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.296	0.873	J	1	WG2206089
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2206089
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206089
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206089
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206089
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0614	0.322	J	1	WG2206089
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.85	5.46		1	WG2206089
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.93	19.5		1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206089
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206089
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206089
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206089
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206089
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.04	3.92		1	WG2206089
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206089
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206089
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206089
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206089
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206089
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206089
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206089
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206089
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206089
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206089
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.228	0.988	J	1	WG2206089
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.101	0.438	J	1	WG2206089
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*105*				WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.15	9.86		1	WG2206089
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.591	0.992	J	1	WG2206089
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2206089
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2206089
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.182	0.581	J	1	WG2206089
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2206089
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2206089
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2206089
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2206089
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2206089
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2206089
Butane	106-97-8	58	0.0522	0.200	0.474	1.08	2.56		1	WG2206089
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2206089
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2206089
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2206089
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2206089
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2206089
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.475	0.981		1	WG2206089
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2206089
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2206089
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2206089
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2206089
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2206089
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2206089
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2206089
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2206089
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2206089
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2206089
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2206089
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2206089
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2206089
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2206089
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2206089
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2206089
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2206089
Ethanol	64-17-5	46.10	0.265	2.50	4.71	35.0	66.0		1	WG2206089
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2206089
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2206089
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.198	1.11	J	1	WG2206089
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.377	1.86		1	WG2206089
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2206089
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2206089
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2206089
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2206089
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.223	0.786	J	1	WG2206089
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2206089
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.45	5.03		1	WG2206089
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2206089
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.269	0.793	J	1	WG2206089
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.0788	0.323	J	1	WG2206089
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2206089
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2206089
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2206089
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2206089
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.30	3.84		1	WG2206089
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	6.09	15.0		1	WG2206089

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2206089
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2206089
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2206089
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2206089
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2206089
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.387	1.46	J	1	WG2206089
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2206089
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2206089
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2206089
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2206089
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2206089
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2206089
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2206089
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2206089
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2206089
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2206089
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2206089
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2206089
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*102*				WG2206089

Method Blank (MB)

(MB) R4022531-2 01/12/24 09:33

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4022531-2 01/12/24 09:33

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*90.3*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022531-1 01/12/24 09:03 • (LCSD) R4022531-3 01/12/24 11:19

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.00	4.33	107	115	70.0-130			7.92	25
Acetonitrile	18.8	18.8	21.3	100	113	70.0-130			12.5	25
Acrylonitrile	3.75	3.80	4.30	101	115	70.0-130			12.3	25
Allyl chloride	3.75	3.72	4.14	99.2	110	70.0-130			10.7	25
Benzene	3.75	3.69	4.00	98.4	107	70.0-130			8.06	25
Benzyl Chloride	3.75	3.48	3.81	92.8	102	70.0-152			9.05	25
Bromodichloromethane	3.75	3.66	3.88	97.6	103	70.0-130			5.84	25
Bromoform	3.75	3.29	3.88	87.7	103	70.0-130			16.5	25
Bromomethane	3.75	3.71	3.99	98.9	106	70.0-130			7.27	25
Bromoethane	3.75	3.80	4.06	101	108	70.0-130			6.62	25
1,3-Butadiene	3.75	4.00	4.27	107	114	70.0-130			6.53	25
Butane	3.75	3.76	4.22	100	113	70.0-130			11.5	25
Carbon disulfide	3.75	3.83	3.92	102	105	70.0-130			2.32	25
Carbon tetrachloride	3.75	3.70	3.61	98.7	96.3	70.0-130			2.46	25
Chlorobenzene	3.75	3.86	3.70	103	98.7	70.0-130			4.23	25
Chloroethane	3.75	3.61	4.17	96.3	111	70.0-130			14.4	25
Chloroform	3.75	3.75	3.69	100	98.4	70.0-130			1.61	25
Chloromethane	3.75	3.76	4.24	100	113	70.0-130			12.0	25
2-Chlorotoluene	3.75	3.34	4.16	89.1	111	70.0-130			21.9	25
Cyclohexane	3.75	3.76	3.70	100	98.7	70.0-130			1.61	25
n-Decane	3.75	3.58	4.11	95.5	110	70.0-130			13.8	25
Dibromochloromethane	3.75	3.75	3.63	100	96.8	70.0-130			3.25	25
1,2-Dibromoethane	3.75	3.73	3.74	99.5	99.7	70.0-130			0.268	25
1,2-Dichlorobenzene	3.75	3.50	3.87	93.3	103	70.0-130			10.0	25
1,3-Dichlorobenzene	3.75	3.49	4.04	93.1	108	70.0-130			14.6	25
1,4-Dichlorobenzene	3.75	3.53	4.29	94.1	114	70.0-130			19.4	25
1,2-Dichloroethane	3.75	3.63	3.91	96.8	104	70.0-130			7.43	25
1,1-Dichloroethane	3.75	3.65	4.01	97.3	107	70.0-130			9.40	25
1,1-Dichloroethene	3.75	3.84	4.06	102	108	70.0-130			5.57	25
cis-1,2-Dichloroethene	3.75	3.67	3.83	97.9	102	70.0-130			4.27	25
trans-1,2-Dichloroethene	3.75	3.89	4.00	104	107	70.0-130			2.79	25
1,2-Dichloropropane	3.75	3.63	3.72	96.8	99.2	70.0-130			2.45	25
cis-1,3-Dichloropropene	3.75	3.71	3.78	98.9	101	70.0-130			1.87	25
trans-1,3-Dichloropropene	3.75	3.92	4.00	105	107	70.0-130			2.02	25
1,4-Dioxane	3.75	3.83	3.80	102	101	70.0-140			0.786	25
Ethanol	3.75	3.31	4.25	88.3	113	55.0-148			24.9	25
Ethylbenzene	3.75	3.51	4.00	93.6	107	70.0-130			13.0	25
4-Ethyltoluene	3.75	3.56	4.21	94.9	112	70.0-130			16.7	25
Trichlorofluoromethane	3.75	3.86	4.06	103	108	70.0-130			5.05	25
Dichlorodifluoromethane	3.75	3.78	4.18	101	111	64.0-139			10.1	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022531-1 01/12/24 09:03 • (LCSD) R4022531-3 01/12/24 11:19

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.78	3.93	101	105	70.0-130			3.89	25
1,2-Dichlorotetrafluoroethane	3.75	3.75	4.22	100	113	70.0-130			11.8	25
Heptane	3.75	3.82	3.97	102	106	70.0-130			3.85	25
Hexachloro-1,3-butadiene	3.75	2.93	3.26	78.1	86.9	70.0-151			10.7	25
n-Hexane	3.75	3.76	3.86	100	103	70.0-130			2.62	25
Isopropylbenzene	3.75	3.45	4.10	92.0	109	70.0-130			17.2	25
Methylene Chloride	3.75	3.81	4.11	102	110	70.0-130			7.58	25
Methyl Butyl Ketone	3.75	3.61	3.67	96.3	97.9	70.0-149			1.65	25
2-Butanone (MEK)	3.75	3.65	4.00	97.3	107	70.0-130			9.15	25
4-Methyl-2-pentanone (MIBK)	3.75	3.64	3.70	97.1	98.7	70.0-139			1.63	25
Methyl methacrylate	3.75	3.62	3.76	96.5	100	70.0-130			3.79	25
MTBE	3.75	3.66	3.70	97.6	98.7	70.0-130			1.09	25
Naphthalene	3.75	4.01	4.28	107	114	70.0-159			6.51	25
Nonane	3.75	3.70	3.84	98.7	102	70.0-130			3.71	25
Pentane	3.75	3.82	4.03	102	107	70.0-130			5.35	25
2-Propanol	3.75	3.48	4.06	92.8	108	70.0-139			15.4	25
Propene	3.75	3.57	4.26	95.2	114	64.0-144			17.6	25
Styrene	3.75	3.60	4.04	96.0	108	70.0-130			11.5	25
1,1,2,2-Tetrachloroethane	3.75	3.37	3.85	89.9	103	70.0-130			13.3	25
Tetrachloroethylene	3.75	3.89	3.71	104	98.9	70.0-130			4.74	25
Tetrahydrofuran	3.75	3.78	3.74	101	99.7	70.0-137			1.06	25
Toluene	3.75	3.80	3.83	101	102	70.0-130			0.786	25
1,2,4-Trichlorobenzene	3.75	3.12	3.29	83.2	87.7	70.0-160			5.30	25
1,1,1-Trichloroethane	3.75	3.63	3.53	96.8	94.1	70.0-130			2.79	25
1,1,2-Trichloroethane	3.75	3.93	3.69	105	98.4	70.0-130			6.30	25
Trichloroethylene	3.75	3.80	3.82	101	102	70.0-130			0.525	25
1,2,4-Trimethylbenzene	3.75	3.56	4.11	94.9	110	70.0-130			14.3	25
1,3,5-Trimethylbenzene	3.75	3.50	4.19	93.3	112	70.0-130			17.9	25
2,2,4-Trimethylpentane	3.75	3.99	3.75	106	100	70.0-130			6.20	25
Vinyl chloride	3.75	3.61	4.39	96.3	117	70.0-130			19.5	25
Vinyl Bromide	3.75	3.70	3.95	98.7	105	70.0-130			6.54	25
Vinyl acetate	3.75	3.84	3.65	102	97.3	70.0-130			5.07	25
m&p-Xylene	7.50	7.04	8.23	93.9	110	70.0-130			15.6	25
o-Xylene	3.75	3.56	4.31	94.9	115	70.0-130			19.1	25
(S) 1,4-Bromofluorobenzene				*101*	*94.1*	*60.0-140*				

Method Blank (MB)

(MB) R4022542-3 01/12/24 09:58

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	0.0673	J	0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	0.199	J	0.137	0.200

Method Blank (MB)

(MB) R4022542-3 01/12/24 09:58

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*89.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022542-1 01/12/24 09:00 • (LCSD) R4022542-2 01/12/24 09:30

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.50	4.41	120	118	70.0-130			2.02	25
Acetonitrile	18.8	20.6	20.4	110	109	70.0-130			0.976	25
Acrylonitrile	3.75	4.10	4.01	109	107	70.0-130			2.22	25
Allyl chloride	3.75	4.07	3.98	109	106	70.0-130			2.24	25
Benzene	3.75	3.92	3.88	105	103	70.0-130			1.03	25
Benzyl Chloride	3.75	4.04	3.97	108	106	70.0-152			1.75	25
Bromodichloromethane	3.75	4.08	3.89	109	104	70.0-130			4.77	25
Bromoform	3.75	4.12	4.14	110	110	70.0-130			0.484	25
Bromomethane	3.75	4.13	4.02	110	107	70.0-130			2.70	25
Bromoethane	3.75	4.06	4.04	108	108	70.0-130			0.494	25
1,3-Butadiene	3.75	4.05	4.04	108	108	70.0-130			0.247	25
Butane	3.75	4.03	4.06	107	108	70.0-130			0.742	25
Carbon disulfide	3.75	4.72	4.66	126	124	70.0-130			1.28	25
Carbon tetrachloride	3.75	4.03	4.01	107	107	70.0-130			0.498	25
Chlorobenzene	3.75	4.09	4.01	109	107	70.0-130			1.98	25
Chloroethane	3.75	4.05	3.97	108	106	70.0-130			2.00	25
Chloroform	3.75	3.99	3.90	106	104	70.0-130			2.28	25
Chloromethane	3.75	4.01	3.94	107	105	70.0-130			1.76	25
2-Chlorotoluene	3.75	3.94	3.98	105	106	70.0-130			1.01	25
Cyclohexane	3.75	3.99	3.99	106	106	70.0-130			0.000	25
n-Decane	3.75	4.49	4.45	120	119	70.0-130			0.895	25
Dibromochloromethane	3.75	4.14	4.08	110	109	70.0-130			1.46	25
1,2-Dibromoethane	3.75	4.17	3.97	111	106	70.0-130			4.91	25
1,2-Dichlorobenzene	3.75	4.26	4.30	114	115	70.0-130			0.935	25
1,3-Dichlorobenzene	3.75	4.39	4.33	117	115	70.0-130			1.38	25
1,4-Dichlorobenzene	3.75	4.40	4.36	117	116	70.0-130			0.913	25
1,2-Dichloroethane	3.75	4.11	4.07	110	109	70.0-130			0.978	25
1,1-Dichloroethane	3.75	3.82	3.78	102	101	70.0-130			1.05	25
1,1-Dichloroethene	3.75	4.18	4.02	111	107	70.0-130			3.90	25
cis-1,2-Dichloroethene	3.75	3.85	3.82	103	102	70.0-130			0.782	25
trans-1,2-Dichloroethene	3.75	4.00	3.87	107	103	70.0-130			3.30	25
1,2-Dichloropropane	3.75	3.81	3.77	102	101	70.0-130			1.06	25
cis-1,3-Dichloropropene	3.75	3.80	3.91	101	104	70.0-130			2.85	25
trans-1,3-Dichloropropene	3.75	4.21	4.04	112	108	70.0-130			4.12	25
1,4-Dioxane	3.75	4.01	3.76	107	100	70.0-140			6.44	25
Ethanol	3.75	3.93	3.71	105	98.9	55.0-148			5.76	25
Ethylbenzene	3.75	4.05	4.05	108	108	70.0-130			0.000	25
4-Ethyltoluene	3.75	4.29	4.36	114	116	70.0-130			1.62	25
Trichlorofluoromethane	3.75	4.17	4.12	111	110	70.0-130			1.21	25
Dichlorodifluoromethane	3.75	4.22	4.19	113	112	64.0-139			0.713	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022542-1 01/12/24 09:00 • (LCSD) R4022542-2 01/12/24 09:30

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.20	4.11	112	110	70.0-130			2.17	25
1,2-Dichlorotetrafluoroethane	3.75	4.19	4.07	112	109	70.0-130			2.91	25
Heptane	3.75	3.96	3.81	106	102	70.0-130			3.86	25
Hexachloro-1,3-butadiene	3.75	4.28	4.29	114	114	70.0-151			0.233	25
n-Hexane	3.75	3.90	3.81	104	102	70.0-130			2.33	25
Isopropylbenzene	3.75	4.16	4.19	111	112	70.0-130			0.719	25
Methylene Chloride	3.75	4.04	4.06	108	108	70.0-130			0.494	25
Methyl Butyl Ketone	3.75	4.07	4.07	109	109	70.0-149			0.000	25
2-Butanone (MEK)	3.75	3.99	3.91	106	104	70.0-130			2.03	25
4-Methyl-2-pentanone (MIBK)	3.75	4.17	4.09	111	109	70.0-139			1.94	25
Methyl methacrylate	3.75	3.98	3.85	106	103	70.0-130			3.32	25
MTBE	3.75	3.99	4.03	106	107	70.0-130			0.998	25
Naphthalene	3.75	4.18	4.16	111	111	70.0-159			0.480	25
Nonane	3.75	4.03	3.99	107	106	70.0-130			0.998	25
Pentane	3.75	3.99	3.94	106	105	70.0-130			1.26	25
2-Propanol	3.75	4.18	4.04	111	108	70.0-139			3.41	25
Propene	3.75	3.71	3.61	98.9	96.3	64.0-144			2.73	25
Styrene	3.75	4.21	4.15	112	111	70.0-130			1.44	25
1,1,2,2-Tetrachloroethane	3.75	4.11	3.99	110	106	70.0-130			2.96	25
Tetrachloroethylene	3.75	4.15	4.11	111	110	70.0-130			0.969	25
Tetrahydrofuran	3.75	3.92	3.81	105	102	70.0-137			2.85	25
Toluene	3.75	3.97	3.95	106	105	70.0-130			0.505	25
1,2,4-Trichlorobenzene	3.75	4.13	4.16	110	111	70.0-160			0.724	25
1,1,1-Trichloroethane	3.75	4.06	4.01	108	107	70.0-130			1.24	25
1,1,2-Trichloroethane	3.75	4.05	3.90	108	104	70.0-130			3.77	25
Trichloroethylene	3.75	4.10	3.96	109	106	70.0-130			3.47	25
1,2,4-Trimethylbenzene	3.75	4.42	4.29	118	114	70.0-130			2.99	25
1,3,5-Trimethylbenzene	3.75	4.29	4.29	114	114	70.0-130			0.000	25
2,2,4-Trimethylpentane	3.75	3.91	3.88	104	103	70.0-130			0.770	25
Vinyl chloride	3.75	4.09	3.95	109	105	70.0-130			3.48	25
Vinyl Bromide	3.75	4.02	4.03	107	107	70.0-130			0.248	25
Vinyl acetate	3.75	3.61	3.48	96.3	92.8	70.0-130			3.67	25
m&p-Xylene	7.50	8.39	8.45	112	113	70.0-130			0.713	25
o-Xylene	3.75	4.26	4.30	114	115	70.0-130			0.935	25
(S) 1,4-Bromofluorobenzene				*96.4*	*98.4*	*60.0-140*				

Method Blank (MB)

(MB) R4022521-3 01/12/24 09:52

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.359	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4022521-3 01/12/24 09:52

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*101*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022521-1 01/12/24 08:56 • (LCSD) R4022521-2 01/12/24 09:24

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.26	3.31	86.9	88.3	70.0-130			1.52	25
Acetonitrile	18.8	16.6	16.3	88.3	86.7	70.0-130			1.82	25
Acrylonitrile	3.75	3.34	3.26	89.1	86.9	70.0-130			2.42	25
Allyl chloride	3.75	3.39	3.37	90.4	89.9	70.0-130			0.592	25
Benzene	3.75	3.79	3.77	101	101	70.0-130			0.529	25
Benzyl Chloride	3.75	4.00	4.01	107	107	70.0-152			0.250	25
Bromodichloromethane	3.75	3.72	3.67	99.2	97.9	70.0-130			1.35	25
Bromoform	3.75	3.46	3.58	92.3	95.5	70.0-130			3.41	25
Bromomethane	3.75	3.37	3.38	89.9	90.1	70.0-130			0.296	25
Bromoethane	3.75	3.43	3.43	91.5	91.5	70.0-130			0.000	25
1,3-Butadiene	3.75	3.79	3.68	101	98.1	70.0-130			2.95	25
Butane	3.75	3.20	3.09	85.3	82.4	70.0-130			3.50	25
Carbon disulfide	3.75	3.61	3.60	96.3	96.0	70.0-130			0.277	25
Carbon tetrachloride	3.75	3.69	3.69	98.4	98.4	70.0-130			0.000	25
Chlorobenzene	3.75	3.68	3.69	98.1	98.4	70.0-130			0.271	25
Chloroethane	3.75	3.45	3.38	92.0	90.1	70.0-130			2.05	25
Chloroform	3.75	3.83	3.89	102	104	70.0-130			1.55	25
Chloromethane	3.75	3.13	3.04	83.5	81.1	70.0-130			2.92	25
2-Chlorotoluene	3.75	3.84	3.81	102	102	70.0-130			0.784	25
Cyclohexane	3.75	3.98	3.91	106	104	70.0-130			1.77	25
n-Decane	3.75	3.83	3.94	102	105	70.0-130			2.83	25
Dibromochloromethane	3.75	3.60	3.59	96.0	95.7	70.0-130			0.278	25
1,2-Dibromoethane	3.75	3.74	3.75	99.7	100	70.0-130			0.267	25
1,2-Dichlorobenzene	3.75	3.67	3.73	97.9	99.5	70.0-130			1.62	25
1,3-Dichlorobenzene	3.75	3.67	3.65	97.9	97.3	70.0-130			0.546	25
1,4-Dichlorobenzene	3.75	3.72	3.72	99.2	99.2	70.0-130			0.000	25
1,2-Dichloroethane	3.75	3.62	3.55	96.5	94.7	70.0-130			1.95	25
1,1-Dichloroethane	3.75	3.79	3.77	101	101	70.0-130			0.529	25
1,1-Dichloroethene	3.75	3.47	3.42	92.5	91.2	70.0-130			1.45	25
cis-1,2-Dichloroethene	3.75	3.79	3.76	101	100	70.0-130			0.795	25
trans-1,2-Dichloroethene	3.75	3.37	3.32	89.9	88.5	70.0-130			1.49	25
1,2-Dichloropropane	3.75	3.73	3.70	99.5	98.7	70.0-130			0.808	25
cis-1,3-Dichloropropene	3.75	3.92	4.05	105	108	70.0-130			3.26	25
trans-1,3-Dichloropropene	3.75	3.93	3.95	105	105	70.0-130			0.508	25
1,4-Dioxane	3.75	3.67	3.69	97.9	98.4	70.0-140			0.543	25
Ethanol	3.75	3.27	3.13	87.2	83.5	55.0-148			4.37	25
Ethylbenzene	3.75	3.85	3.83	103	102	70.0-130			0.521	25
4-Ethyltoluene	3.75	3.95	3.87	105	103	70.0-130			2.05	25
Trichlorofluoromethane	3.75	3.45	3.42	92.0	91.2	70.0-130			0.873	25
Dichlorodifluoromethane	3.75	3.25	3.29	86.7	87.7	64.0-139			1.22	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022521-1 01/12/24 08:56 • (LCSD) R4022521-2 01/12/24 09:24

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.53	3.53	94.1	94.1	70.0-130			0.000	25
1,2-Dichlorotetrafluoroethane	3.75	3.41	3.39	90.9	90.4	70.0-130			0.588	25
Heptane	3.75	3.70	3.61	98.7	96.3	70.0-130			2.46	25
Hexachloro-1,3-butadiene	3.75	3.42	3.66	91.2	97.6	70.0-151			6.78	25
n-Hexane	3.75	3.92	3.85	105	103	70.0-130			1.80	25
Isopropylbenzene	3.75	3.80	3.79	101	101	70.0-130			0.264	25
Methylene Chloride	3.75	3.25	3.26	86.7	86.9	70.0-130			0.307	25
Methyl Butyl Ketone	3.75	3.63	3.63	96.8	96.8	70.0-149			0.000	25
2-Butanone (MEK)	3.75	4.01	3.92	107	105	70.0-130			2.27	25
4-Methyl-2-pentanone (MIBK)	3.75	3.21	3.29	85.6	87.7	70.0-139			2.46	25
Methyl methacrylate	3.75	3.85	3.79	103	101	70.0-130			1.57	25
MTBE	3.75	4.03	3.98	107	106	70.0-130			1.25	25
Naphthalene	3.75	3.87	3.86	103	103	70.0-159			0.259	25
Nonane	3.75	3.80	3.75	101	100	70.0-130			1.32	25
Pentane	3.75	3.27	3.25	87.2	86.7	70.0-130			0.613	25
2-Propanol	3.75	2.96	2.94	78.9	78.4	70.0-139			0.678	25
Propene	3.75	3.40	3.35	90.7	89.3	64.0-144			1.48	25
Styrene	3.75	3.96	3.94	106	105	70.0-130			0.506	25
1,1,2,2-Tetrachloroethane	3.75	3.80	3.85	101	103	70.0-130			1.31	25
Tetrachloroethylene	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
Tetrahydrofuran	3.75	3.73	3.62	99.5	96.5	70.0-137			2.99	25
Toluene	3.75	3.80	3.79	101	101	70.0-130			0.264	25
1,2,4-Trichlorobenzene	3.75	3.68	3.58	98.1	95.5	70.0-160			2.75	25
1,1,1-Trichloroethane	3.75	3.79	3.77	101	101	70.0-130			0.529	25
1,1,2-Trichloroethane	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
Trichloroethylene	3.75	3.81	3.82	102	102	70.0-130			0.262	25
1,2,4-Trimethylbenzene	3.75	3.98	3.95	106	105	70.0-130			0.757	25
1,3,5-Trimethylbenzene	3.75	3.90	3.96	104	106	70.0-130			1.53	25
2,2,4-Trimethylpentane	3.75	3.86	3.86	103	103	70.0-130			0.000	25
Vinyl chloride	3.75	3.40	3.33	90.7	88.8	70.0-130			2.08	25
Vinyl Bromide	3.75	3.42	3.38	91.2	90.1	70.0-130			1.18	25
Vinyl acetate	3.75	3.00	2.98	80.0	79.5	70.0-130			0.669	25
m&p-Xylene	7.50	7.85	7.96	105	106	70.0-130			1.39	25
o-Xylene	3.75	3.99	3.99	106	106	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*100*	*104*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

Sample Receipt Checklist

			If Applicable
COC Seal Present/Intact:	Y	N	
COC Signed/Accurate:	Y	N	VOA Zero Headspace: Y N
Bottles arrive intact:	Y	N	Pres. Correct/Check: Y N
Correct bottles used:	Y	N	AMB
Sufficient volume sent:	Y	N	
RA Screen <0.5 mR/hr:	Y	N	7891 7787 5383

LYSIS REQUEST FORM

J101

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____
Data Packet Requested: ☒ Standard Level II ☐ Other _____
Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ LL695731

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0109MC001	010412	009465	01/09/24	2147	01/10/24	2037	-28	-2	EH	✓	A -01
MTWA0109MC002	021138	028463	01/09/24	2209	01/10/24	2105	-28	-2	EH	✓	A -02
MTWA0109MC003	013198	011677	01/09/24	2241	01/10/24	2123	-28	-2	EH	✓	A -03
MTWA0109MC004	010783	023555	01/09/24	2302	01/10/24	2146	-27	-4	EH	✓	A -04
MTWA0109MC004CL	010930	010112	01/09/24	2302	01/10/24	2146	-27	-4	EH	✓	A -05
MTWA0110MC001	028045	009977	01/10/24	2043	01/11/24	1310	-28	-10	EH	✓	A -06
MTWA0110MC001CL	028085	009699	01/10/24	2043	01/11/24	1310	-28	-12	EH	✓	A -07
MTWA0110MC002	013283	028461	01/10/24	2108	01/11/24	1253	-27	-11	EH	✓	A -08
MTWA0110MC003	029240	029225	01/10/24	2131	01/11/24	1321	-28	-12	EH	✓	A -09
MTWA0110MC004	011111	009474	01/10/24	2156	01/11/24	1328	-28	-12	EH	✓	A -10

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Evan Howell	01/11/24 1600	FedEx	01/11/24 1600	Dropped off at FedEx for shipping
		[signature]	1-12-24 0900	

SDG # MTWA0109-10MC

ANALYTICAL REPORT

January 22, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

CTEH - ER

Sample Delivery Group:	L1697474
Samples Received:	01/20/2024
Project Number:	032692
Description:	

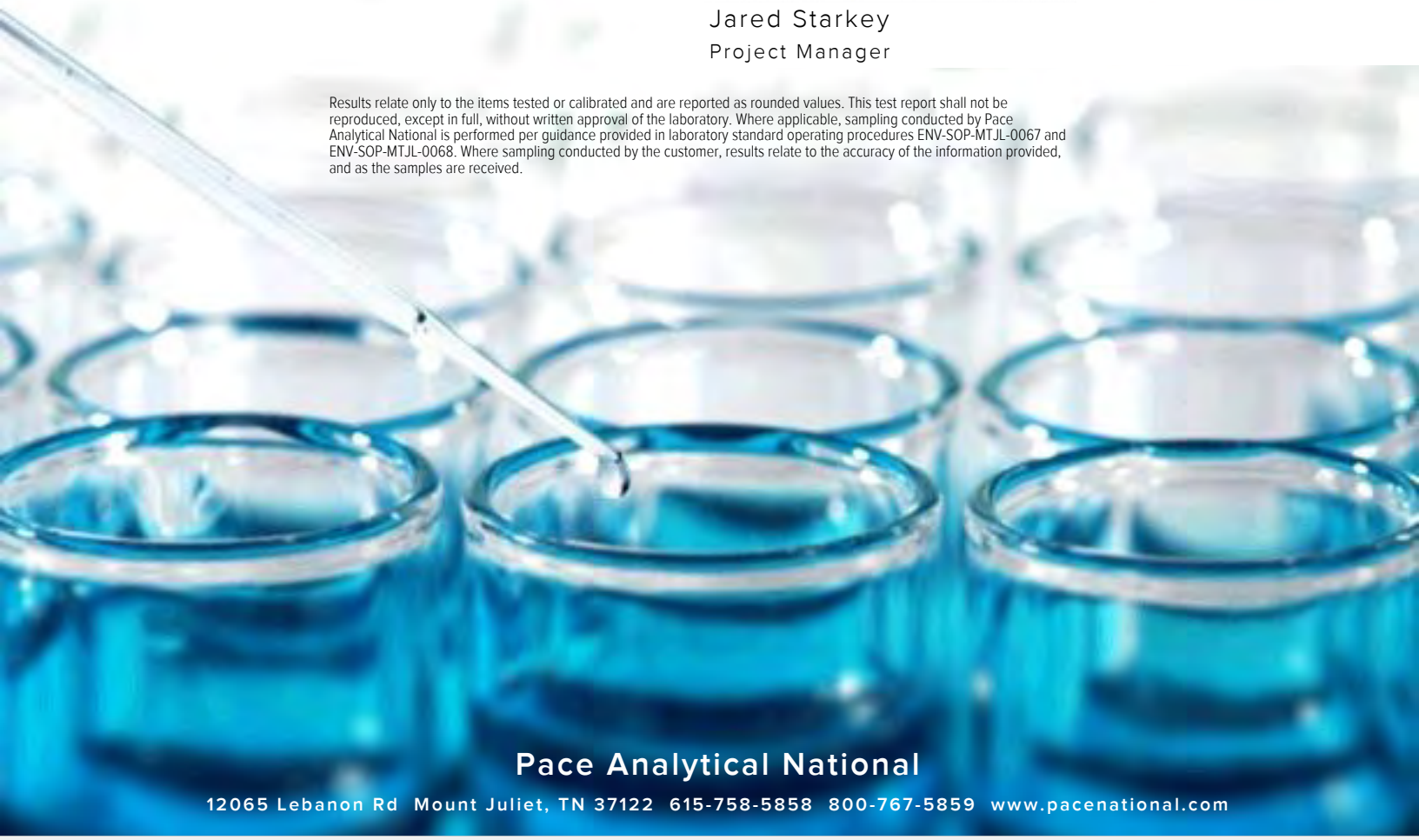
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0116MC001 L1697474-01 Air

Collected by: DA | Collected date/time: 01/17/24 01:02 | Received date/time: 01/20/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2210175	1	01/21/24 16:47	01/21/24 16:47	JAP	Mt. Juliet, TN

MTWA0116MC001CL L1697474-02 Air

Collected by: DA | Collected date/time: 01/17/24 01:02 | Received date/time: 01/20/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2210175	1	01/21/24 17:18	01/21/24 17:18	JAP	Mt. Juliet, TN

MTWA0116MC002 L1697474-03 Air

Collected by: DA | Collected date/time: 01/17/24 01:25 | Received date/time: 01/20/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2210175	1	01/21/24 17:48	01/21/24 17:48	JAP	Mt. Juliet, TN

MTWA0116MC003 L1697474-04 Air

Collected by: DA | Collected date/time: 01/17/24 01:48 | Received date/time: 01/20/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2210175	1	01/21/24 18:19	01/21/24 18:19	JAP	Mt. Juliet, TN

MTWA0116MC004 L1697474-05 Air

Collected by: DA | Collected date/time: 01/17/24 02:02 | Received date/time: 01/20/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2210175	1	01/21/24 18:49	01/21/24 18:49	JAP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2210175	L1697474-04	2-Propanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2210175	trans-1,2-Dichloroethene	L1697474-05

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0116MC001	L1697474-01	Acetone	67-64-1	58.10	1.25	2.97	3.63	8.63		1	WG2210175
MTWA0116MC001	L1697474-01	Benzene	71-43-2	78.10	0.200	0.639	0.262	0.837		1	WG2210175
MTWA0116MC001	L1697474-01	Butane	106-97-8	58	0.200	0.474	0.860	2.04		1	WG2210175
MTWA0116MC001	L1697474-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.443	0.915		1	WG2210175
MTWA0116MC001	L1697474-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.268	0.923		1	WG2210175
MTWA0116MC001	L1697474-01	Ethanol	64-17-5	46.10	2.50	4.71	18.8	35.4		1	WG2210175
MTWA0116MC001	L1697474-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.370	1.83		1	WG2210175
MTWA0116MC001	L1697474-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.402	1.40		1	WG2210175
MTWA0116MC001	L1697474-01	Pentane	109-66-0	72.15	0.200	0.590	1.11	3.28		1	WG2210175
MTWA0116MC001	L1697474-01	2-Propanol	67-63-0	60.10	1.25	3.07	92.7	228		1	WG2210175
MTWA0116MC001	L1697474-01	Toluene	108-88-3	92.10	0.500	1.88	0.597	2.25		1	WG2210175
MTWA0116MC001CL	L1697474-02	Acetone	67-64-1	58.10	1.25	2.97	11.6	27.6		1	WG2210175
MTWA0116MC001CL	L1697474-02	Benzene	71-43-2	78.10	0.200	0.639	0.623	1.99		1	WG2210175
MTWA0116MC001CL	L1697474-02	Butane	106-97-8	58	0.200	0.474	0.983	2.33		1	WG2210175
MTWA0116MC001CL	L1697474-02	Chloromethane	74-87-3	50.50	0.200	0.413	1.12	2.31		1	WG2210175
MTWA0116MC001CL	L1697474-02	Ethanol	64-17-5	46.10	2.50	4.71	26.1	49.2		1	WG2210175
MTWA0116MC001CL	L1697474-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.409	2.02		1	WG2210175
MTWA0116MC001CL	L1697474-02	Heptane	142-82-5	100	0.200	0.818	0.226	0.924		1	WG2210175
MTWA0116MC001CL	L1697474-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.267	0.927		1	WG2210175
MTWA0116MC001CL	L1697474-02	Pentane	109-66-0	72.15	0.200	0.590	1.00	2.95		1	WG2210175
MTWA0116MC001CL	L1697474-02	2-Propanol	67-63-0	60.10	1.25	3.07	80.9	199		1	WG2210175
MTWA0116MC001CL	L1697474-02	Toluene	108-88-3	92.10	0.500	1.88	1.45	5.46		1	WG2210175
MTWA0116MC002	L1697474-03	Acetone	67-64-1	58.10	1.25	2.97	2.81	6.68		1	WG2210175
MTWA0116MC002	L1697474-03	Benzene	71-43-2	78.10	0.200	0.639	0.251	0.802		1	WG2210175
MTWA0116MC002	L1697474-03	Butane	106-97-8	58	0.200	0.474	0.908	2.15		1	WG2210175
MTWA0116MC002	L1697474-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.419	0.865		1	WG2210175
MTWA0116MC002	L1697474-03	Ethanol	64-17-5	46.10	2.50	4.71	17.6	33.2		1	WG2210175
MTWA0116MC002	L1697474-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.388	1.92		1	WG2210175
MTWA0116MC002	L1697474-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.205	0.712		1	WG2210175
MTWA0116MC002	L1697474-03	Pentane	109-66-0	72.15	0.200	0.590	0.909	2.68		1	WG2210175
MTWA0116MC002	L1697474-03	2-Propanol	67-63-0	60.10	1.25	3.07	19.9	48.9		1	WG2210175
MTWA0116MC002	L1697474-03	Toluene	108-88-3	92.10	0.500	1.88	0.587	2.21		1	WG2210175
MTWA0116MC003	L1697474-04	Acetone	67-64-1	58.10	1.25	2.97	4.04	9.60		1	WG2210175
MTWA0116MC003	L1697474-04	Benzene	71-43-2	78.10	0.200	0.639	0.412	1.32		1	WG2210175
MTWA0116MC003	L1697474-04	Butane	106-97-8	58	0.200	0.474	1.06	2.51		1	WG2210175
MTWA0116MC003	L1697474-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.516	1.07		1	WG2210175
MTWA0116MC003	L1697474-04	Cyclohexane	110-82-7	84.20	0.200	0.689	0.348	1.20		1	WG2210175
MTWA0116MC003	L1697474-04	Ethanol	64-17-5	46.10	2.50	4.71	20.4	38.5		1	WG2210175
MTWA0116MC003	L1697474-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.414	2.05		1	WG2210175
MTWA0116MC003	L1697474-04	Heptane	142-82-5	100	0.200	0.818	0.243	0.994		1	WG2210175
MTWA0116MC003	L1697474-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.223	0.774		1	WG2210175
MTWA0116MC003	L1697474-04	Pentane	109-66-0	72.15	0.200	0.590	1.03	3.04		1	WG2210175
MTWA0116MC003	L1697474-04	2-Propanol	67-63-0	60.10	1.25	3.07	161	396	E	1	WG2210175
MTWA0116MC003	L1697474-04	Toluene	108-88-3	92.10	0.500	1.88	1.29	4.86		1	WG2210175
MTWA0116MC004	L1697474-05	Acetone	67-64-1	58.10	1.25	2.97	3.16	7.51		1	WG2210175
MTWA0116MC004	L1697474-05	Benzene	71-43-2	78.10	0.200	0.639	0.278	0.888		1	WG2210175
MTWA0116MC004	L1697474-05	Butane	106-97-8	58	0.200	0.474	0.830	1.97		1	WG2210175
MTWA0116MC004	L1697474-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.436	0.901		1	WG2210175
MTWA0116MC004	L1697474-05	trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.200	0.793	B	1	WG2210175
MTWA0116MC004	L1697474-05	Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2210175
MTWA0116MC004	L1697474-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.409	2.02		1	WG2210175
MTWA0116MC004	L1697474-05	Pentane	109-66-0	72.15	0.200	0.590	0.657	1.94		1	WG2210175
MTWA0116MC004	L1697474-05	2-Propanol	67-63-0	60.10	1.25	3.07	78.7	193		1	WG2210175
MTWA0116MC004	L1697474-05	Toluene	108-88-3	92.10	0.500	1.88	0.507	1.91		1	WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.63	8.63		1	WG2210175
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2210175
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2210175
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2210175
Benzene	71-43-2	78.10	0.200	0.639	0.262	0.837		1	WG2210175
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2210175
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2210175
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2210175
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2210175
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2210175
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2210175
Butane	106-97-8	58	0.200	0.474	0.860	2.04		1	WG2210175
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2210175
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2210175
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2210175
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2210175
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2210175
Chloromethane	74-87-3	50.50	0.200	0.413	0.443	0.915		1	WG2210175
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2210175
Cyclohexane	110-82-7	84.20	0.200	0.689	0.268	0.923		1	WG2210175
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2210175
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2210175
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2210175
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2210175
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2210175
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2210175
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2210175
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2210175
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2210175
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2210175
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2210175
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2210175
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2210175
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2210175
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2210175
Ethanol	64-17-5	46.10	2.50	4.71	18.8	35.4		1	WG2210175
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2210175
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2210175
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2210175
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.370	1.83		1	WG2210175
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2210175
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2210175
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2210175
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2210175
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2210175
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2210175
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.402	1.40		1	WG2210175
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2210175
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2210175
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2210175
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2210175
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2210175
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2210175
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2210175
Pentane	109-66-0	72.15	0.200	0.590	1.11	3.28		1	WG2210175
2-Propanol	67-63-0	60.10	1.25	3.07	92.7	228		1	WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2210175
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2210175
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2210175
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2210175
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2210175
Toluene	108-88-3	92.10	0.500	1.88	0.597	2.25		1	WG2210175
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2210175
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2210175
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2210175
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2210175
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2210175
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2210175
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2210175
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2210175
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2210175
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2210175
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2210175
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2210175
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.7*				WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.6	27.6		1	WG2210175
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2210175
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2210175
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2210175
Benzene	71-43-2	78.10	0.200	0.639	0.623	1.99		1	WG2210175
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2210175
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2210175
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2210175
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2210175
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2210175
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2210175
Butane	106-97-8	58	0.200	0.474	0.983	2.33		1	WG2210175
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2210175
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2210175
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2210175
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2210175
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2210175
Chloromethane	74-87-3	50.50	0.200	0.413	1.12	2.31		1	WG2210175
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2210175
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2210175
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2210175
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2210175
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2210175
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2210175
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2210175
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2210175
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2210175
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2210175
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2210175
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2210175
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2210175
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2210175
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2210175
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2210175
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2210175
Ethanol	64-17-5	46.10	2.50	4.71	26.1	49.2		1	WG2210175
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2210175
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2210175
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2210175
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.409	2.02		1	WG2210175
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2210175
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2210175
Heptane	142-82-5	100	0.200	0.818	0.226	0.924		1	WG2210175
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2210175
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2210175
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2210175
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.267	0.927		1	WG2210175
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2210175
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2210175
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2210175
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2210175
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2210175
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2210175
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2210175
Pentane	109-66-0	72.15	0.200	0.590	1.00	2.95		1	WG2210175
2-Propanol	67-63-0	60.10	1.25	3.07	80.9	199		1	WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2210175
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2210175
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2210175
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2210175
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2210175
Toluene	108-88-3	92.10	0.500	1.88	1.45	5.46		1	WG2210175
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2210175
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2210175
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2210175
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2210175
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2210175
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2210175
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2210175
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2210175
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2210175
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2210175
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2210175
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2210175
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.8*				WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.81	6.68		1	WG2210175
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2210175
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2210175
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2210175
Benzene	71-43-2	78.10	0.200	0.639	0.251	0.802		1	WG2210175
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2210175
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2210175
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2210175
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2210175
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2210175
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2210175
Butane	106-97-8	58	0.200	0.474	0.908	2.15		1	WG2210175
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2210175
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2210175
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2210175
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2210175
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2210175
Chloromethane	74-87-3	50.50	0.200	0.413	0.419	0.865		1	WG2210175
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2210175
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2210175
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2210175
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2210175
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2210175
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2210175
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2210175
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2210175
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2210175
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2210175
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2210175
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2210175
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2210175
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2210175
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2210175
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2210175
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2210175
Ethanol	64-17-5	46.10	2.50	4.71	17.6	33.2		1	WG2210175
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2210175
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2210175
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2210175
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.388	1.92		1	WG2210175
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2210175
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2210175
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2210175
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2210175
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2210175
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2210175
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.205	0.712		1	WG2210175
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2210175
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2210175
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2210175
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2210175
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2210175
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2210175
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2210175
Pentane	109-66-0	72.15	0.200	0.590	0.909	2.68		1	WG2210175
2-Propanol	67-63-0	60.10	1.25	3.07	19.9	48.9		1	WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2210175
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2210175
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2210175
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2210175
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2210175
Toluene	108-88-3	92.10	0.500	1.88	0.587	2.21		1	WG2210175
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2210175
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2210175
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2210175
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2210175
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2210175
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2210175
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2210175
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2210175
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2210175
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2210175
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2210175
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2210175
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.4*				WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.04	9.60		1	WG2210175
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2210175
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2210175
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2210175
Benzene	71-43-2	78.10	0.200	0.639	0.412	1.32		1	WG2210175
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2210175
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2210175
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2210175
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2210175
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2210175
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2210175
Butane	106-97-8	58	0.200	0.474	1.06	2.51		1	WG2210175
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2210175
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2210175
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2210175
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2210175
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2210175
Chloromethane	74-87-3	50.50	0.200	0.413	0.516	1.07		1	WG2210175
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2210175
Cyclohexane	110-82-7	84.20	0.200	0.689	0.348	1.20		1	WG2210175
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2210175
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2210175
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2210175
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2210175
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2210175
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2210175
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2210175
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2210175
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2210175
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2210175
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2210175
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2210175
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2210175
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2210175
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2210175
Ethanol	64-17-5	46.10	2.50	4.71	20.4	38.5		1	WG2210175
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2210175
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2210175
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2210175
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.414	2.05		1	WG2210175
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2210175
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2210175
Heptane	142-82-5	100	0.200	0.818	0.243	0.994		1	WG2210175
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2210175
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2210175
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2210175
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.223	0.774		1	WG2210175
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2210175
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2210175
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2210175
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2210175
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2210175
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2210175
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2210175
Pentane	109-66-0	72.15	0.200	0.590	1.03	3.04		1	WG2210175
2-Propanol	67-63-0	60.10	1.25	3.07	161	396	E	1	WG2210175

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2210175
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2210175
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2210175
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2210175
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2210175
Toluene	108-88-3	92.10	0.500	1.88	1.29	4.86		1	WG2210175
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2210175
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2210175
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2210175
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2210175
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2210175
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2210175
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2210175
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2210175
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2210175
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2210175
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2210175
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2210175
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.5*				WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.16	7.51		1	WG2210175
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2210175
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2210175
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2210175
Benzene	71-43-2	78.10	0.200	0.639	0.278	0.888		1	WG2210175
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2210175
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2210175
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2210175
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2210175
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2210175
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2210175
Butane	106-97-8	58	0.200	0.474	0.830	1.97		1	WG2210175
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2210175
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2210175
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2210175
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2210175
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2210175
Chloromethane	74-87-3	50.50	0.200	0.413	0.436	0.901		1	WG2210175
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2210175
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2210175
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2210175
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2210175
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2210175
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2210175
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2210175
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2210175
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2210175
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2210175
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2210175
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2210175
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.200	0.793	B	1	WG2210175
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2210175
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2210175
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2210175
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2210175
Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2210175
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2210175
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2210175
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2210175
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.409	2.02		1	WG2210175
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2210175
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2210175
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2210175
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2210175
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2210175
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2210175
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2210175
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2210175
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2210175
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2210175
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2210175
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2210175
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2210175
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2210175
Pentane	109-66-0	72.15	0.200	0.590	0.657	1.94		1	WG2210175
2-Propanol	67-63-0	60.10	1.25	3.07	78.7	193		1	WG2210175

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2210175
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2210175
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2210175
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2210175
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2210175
Toluene	108-88-3	92.10	0.500	1.88	0.507	1.91		1	WG2210175
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2210175
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2210175
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2210175
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2210175
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2210175
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2210175
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2210175
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2210175
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2210175
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2210175
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2210175
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2210175
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.3*				WG2210175

Method Blank (MB)

(MB) R4024889-2 01/21/24 09:51

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	0.105	J	0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4024889-2 01/21/24 09:51

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*109*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024889-1 01/21/24 08:49 • (LCSD) R4024889-3 01/21/24 11:18

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.51	3.72	93.6	99.2	70.0-130			5.81	25
Acetonitrile	18.8	18.4	19.6	97.9	104	70.0-130			6.32	25
Acrylonitrile	3.75	3.69	3.82	98.4	102	70.0-130			3.46	25
Allyl chloride	3.75	3.71	3.96	98.9	106	70.0-130			6.52	25
Benzene	3.75	3.81	3.79	102	101	70.0-130			0.526	25
Benzyl Chloride	3.75	3.63	3.50	96.8	93.3	70.0-152			3.65	25
Bromodichloromethane	3.75	3.69	3.60	98.4	96.0	70.0-130			2.47	25
Bromoform	3.75	3.55	3.47	94.7	92.5	70.0-130			2.28	25
Bromomethane	3.75	3.77	3.79	101	101	70.0-130			0.529	25
Bromoethane	3.75	3.71	3.87	98.9	103	70.0-130			4.22	25
1,3-Butadiene	3.75	3.71	3.86	98.9	103	70.0-130			3.96	25
Butane	3.75	3.64	3.88	97.1	103	70.0-130			6.38	25
Carbon disulfide	3.75	3.69	3.90	98.4	104	70.0-130			5.53	25
Carbon tetrachloride	3.75	3.69	3.61	98.4	96.3	70.0-130			2.19	25
Chlorobenzene	3.75	3.77	3.50	101	93.3	70.0-130			7.43	25
Chloroethane	3.75	3.63	3.78	96.8	101	70.0-130			4.05	25
Chloroform	3.75	3.71	3.84	98.9	102	70.0-130			3.44	25
Chloromethane	3.75	3.69	3.87	98.4	103	70.0-130			4.76	25
2-Chlorotoluene	3.75	3.84	3.86	102	103	70.0-130			0.519	25
Cyclohexane	3.75	3.84	3.74	102	99.7	70.0-130			2.64	25
n-Decane	3.75	3.94	3.90	105	104	70.0-130			1.02	25
Dibromochloromethane	3.75	3.79	3.48	101	92.8	70.0-130			8.53	25
1,2-Dibromoethane	3.75	3.80	3.54	101	94.4	70.0-130			7.08	25
1,2-Dichlorobenzene	3.75	3.87	3.62	103	96.5	70.0-130			6.68	25
1,3-Dichlorobenzene	3.75	3.91	3.74	104	99.7	70.0-130			4.44	25
1,4-Dichlorobenzene	3.75	3.86	3.82	103	102	70.0-130			1.04	25
1,2-Dichloroethane	3.75	3.69	3.65	98.4	97.3	70.0-130			1.09	25
1,1-Dichloroethane	3.75	3.71	3.77	98.9	101	70.0-130			1.60	25
1,1-Dichloroethene	3.75	3.75	3.86	100	103	70.0-130			2.89	25
cis-1,2-Dichloroethene	3.75	3.73	3.73	99.5	99.5	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	3.75	3.83	100	102	70.0-130			2.11	25
1,2-Dichloropropane	3.75	3.69	3.60	98.4	96.0	70.0-130			2.47	25
cis-1,3-Dichloropropene	3.75	3.84	3.59	102	95.7	70.0-130			6.73	25
trans-1,3-Dichloropropene	3.75	3.68	3.66	98.1	97.6	70.0-130			0.545	25
1,4-Dioxane	3.75	4.44	4.35	118	116	70.0-140			2.05	25
Ethanol	3.75	3.56	4.05	94.9	108	55.0-148			12.9	25
Ethylbenzene	3.75	3.89	3.94	104	105	70.0-130			1.28	25
4-Ethyltoluene	3.75	3.96	3.95	106	105	70.0-130			0.253	25
Trichlorofluoromethane	3.75	3.73	3.86	99.5	103	70.0-130			3.43	25
Dichlorodifluoromethane	3.75	3.87	3.92	103	105	64.0-139			1.28	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024889-1 01/21/24 08:49 • (LCSD) R4024889-3 01/21/24 11:18

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.78	3.81	101	102	70.0-130			0.791	25
1,2-Dichlorotetrafluoroethane	3.75	3.88	3.97	103	106	70.0-130			2.29	25
Heptane	3.75	3.78	3.70	101	98.7	70.0-130			2.14	25
Hexachloro-1,3-butadiene	3.75	3.51	3.27	93.6	87.2	70.0-151			7.08	25
n-Hexane	3.75	3.75	3.85	100	103	70.0-130			2.63	25
Isopropylbenzene	3.75	3.87	3.82	103	102	70.0-130			1.30	25
Methylene Chloride	3.75	3.60	3.76	96.0	100	70.0-130			4.35	25
Methyl Butyl Ketone	3.75	4.00	3.67	107	97.9	70.0-149			8.60	25
2-Butanone (MEK)	3.75	3.76	3.78	100	101	70.0-130			0.531	25
4-Methyl-2-pentanone (MIBK)	3.75	3.89	3.91	104	104	70.0-139			0.513	25
Methyl methacrylate	3.75	3.68	3.51	98.1	93.6	70.0-130			4.73	25
MTBE	3.75	3.78	3.97	101	106	70.0-130			4.90	25
Naphthalene	3.75	3.59	3.35	95.7	89.3	70.0-159			6.92	25
Nonane	3.75	3.87	3.67	103	97.9	70.0-130			5.31	25
Pentane	3.75	3.60	3.81	96.0	102	70.0-130			5.67	25
2-Propanol	3.75	3.58	3.74	95.5	99.7	70.0-139			4.37	25
Propene	3.75	3.45	3.80	92.0	101	64.0-144			9.66	25
Styrene	3.75	3.99	4.09	106	109	70.0-130			2.48	25
1,1,2,2-Tetrachloroethane	3.75	3.78	3.82	101	102	70.0-130			1.05	25
Tetrachloroethylene	3.75	3.82	3.60	102	96.0	70.0-130			5.93	25
Tetrahydrofuran	3.75	3.63	3.74	96.8	99.7	70.0-137			2.99	25
Toluene	3.75	3.81	3.70	102	98.7	70.0-130			2.93	25
1,2,4-Trichlorobenzene	3.75	3.53	3.20	94.1	85.3	70.0-160			9.81	25
1,1,1-Trichloroethane	3.75	3.77	3.76	101	100	70.0-130			0.266	25
1,1,2-Trichloroethane	3.75	3.64	3.63	97.1	96.8	70.0-130			0.275	25
Trichloroethylene	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
1,2,4-Trimethylbenzene	3.75	3.95	3.84	105	102	70.0-130			2.82	25
1,3,5-Trimethylbenzene	3.75	4.03	3.99	107	106	70.0-130			0.998	25
2,2,4-Trimethylpentane	3.75	3.95	3.86	105	103	70.0-130			2.30	25
Vinyl chloride	3.75	3.84	3.92	102	105	70.0-130			2.06	25
Vinyl Bromide	3.75	3.94	3.86	105	103	70.0-130			2.05	25
Vinyl acetate	3.75	3.60	3.73	96.0	99.5	70.0-130			3.55	25
m&p-Xylene	7.50	7.95	8.04	106	107	70.0-130			1.13	25
o-Xylene	3.75	4.05	4.07	108	109	70.0-130			0.493	25
(S) 1,4-Bromofluorobenzene				*97.0*	*96.7*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

H022

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault, Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ UL97474

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0116MC0001	028022	01560 8	01/16/24	0801	01/17/24	0102	-29	-9	DA	✓				A-01
MTWA0116MC0001CL	008276	029253	01/16/24	0801	01/17/24	0102	-28	-8	DA	✓				A-02
MTWA0116MC0002	028042	011445	01/16/24	0822	01/17/24	0125	-29	-8	DA	✓				A-03
MTWA0116MC0003	010237	029198	01/16/24	0834	01/17/24	0148	-29	-8	DA	✓				A-04
MTWA0116MC0004	010906	009703	01/16/24	0844	01/17/24	0202	-29	-9	DA	✓				A-05

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 5 Airs 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	1/19/24 0900		1/19/24 0900	Jamcenn 1-20-24 1300
	1/19/24 1000	FedEx	1/19/24 1000	

SDG #

ANALYTICAL REPORT

January 23, 2024

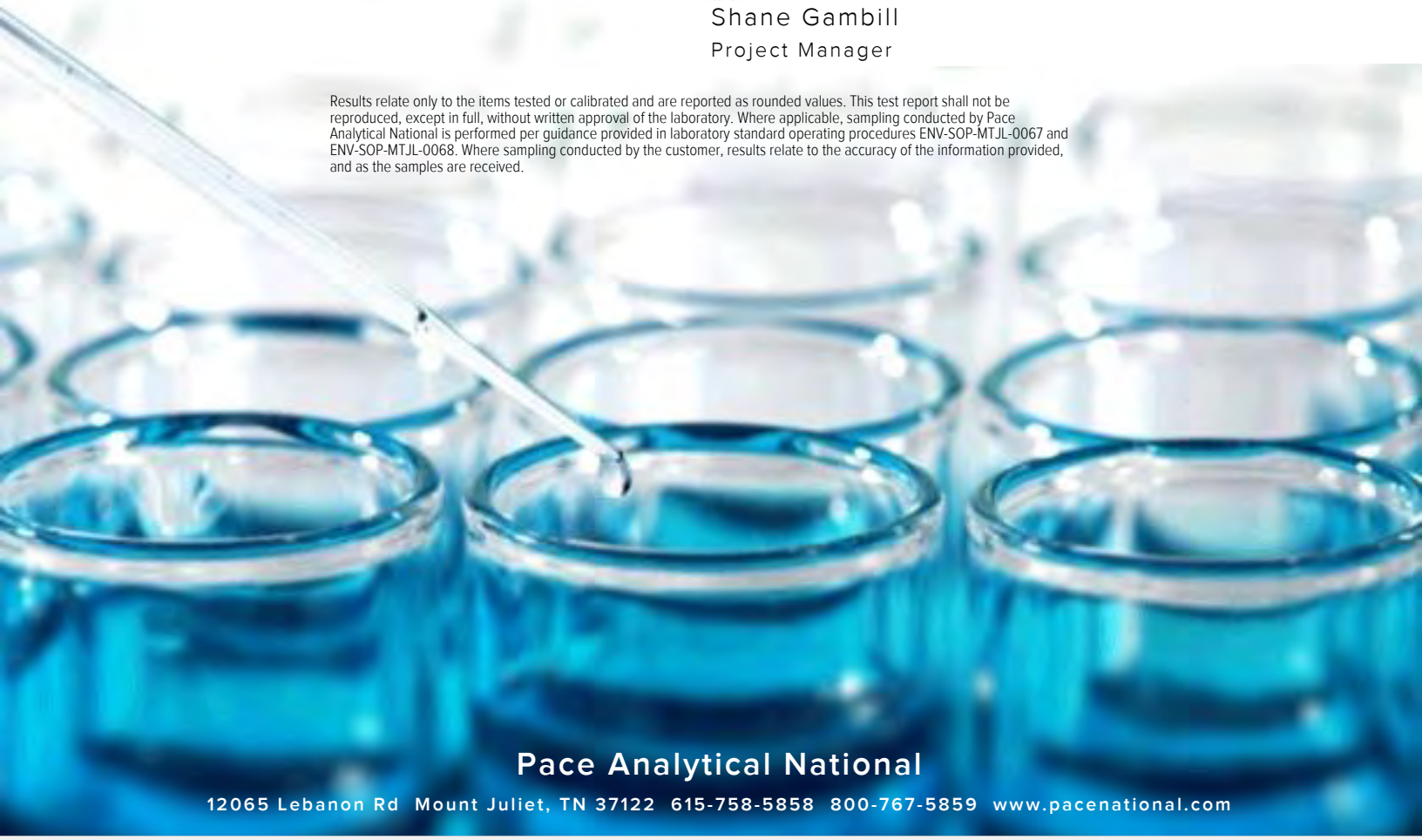
CTEH - ER

Sample Delivery Group:	L1697779
Samples Received:	01/23/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Shane Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0119MC001 L1697779-01 Air

Collected by: CR | Collected date/time: 01/20/24 04:39 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211230	1	01/23/24 11:50	01/23/24 11:50	DAH	Mt. Juliet, TN

MTWA0119MC002 L1697779-02 Air

Collected by: CR | Collected date/time: 01/20/24 04:11 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211230	1	01/23/24 12:20	01/23/24 12:20	DAH	Mt. Juliet, TN

MTWA0119MC003 L1697779-03 Air

Collected by: CR | Collected date/time: 01/20/24 05:07 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211230	1	01/23/24 12:51	01/23/24 12:51	DAH	Mt. Juliet, TN

MTWA0119MC003CL L1697779-04 Air

Collected by: CR | Collected date/time: 01/20/24 05:11 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211230	1	01/23/24 13:22	01/23/24 13:22	DAH	Mt. Juliet, TN

MTWA0119MC004 L1697779-05 Air

Collected by: CR | Collected date/time: 01/20/24 05:35 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211230	1	01/23/24 13:53	01/23/24 13:53	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0119MC001	L1697779-01	Acetone	67-64-1	58.10	1.25	2.97	3.46	8.22		1	WG2211230
MTWA0119MC001	L1697779-01	Benzene	71-43-2	78.10	0.200	0.639	0.284	0.907		1	WG2211230
MTWA0119MC001	L1697779-01	Butane	106-97-8	58	0.200	0.474	1.24	2.94		1	WG2211230
MTWA0119MC001	L1697779-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2211230
MTWA0119MC001	L1697779-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.258	0.888		1	WG2211230
MTWA0119MC001	L1697779-01	Ethanol	64-17-5	46.10	2.50	4.71	4.61	8.69		1	WG2211230
MTWA0119MC001	L1697779-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.441	2.18		1	WG2211230
MTWA0119MC001	L1697779-01	Heptane	142-82-5	100	0.200	0.818	0.245	1.00		1	WG2211230
MTWA0119MC001	L1697779-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.218	0.757		1	WG2211230
MTWA0119MC001	L1697779-01	Pentane	109-66-0	72.15	0.200	0.590	0.710	2.10		1	WG2211230
MTWA0119MC001	L1697779-01	Toluene	108-88-3	92.10	0.500	1.88	0.678	2.55		1	WG2211230
MTWA0119MC002	L1697779-02	Acetone	67-64-1	58.10	1.25	2.97	3.98	9.46		1	WG2211230
MTWA0119MC002	L1697779-02	Benzene	71-43-2	78.10	0.200	0.639	0.315	1.01		1	WG2211230
MTWA0119MC002	L1697779-02	Butane	106-97-8	58	0.200	0.474	1.91	4.53		1	WG2211230
MTWA0119MC002	L1697779-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.545	1.13		1	WG2211230
MTWA0119MC002	L1697779-02	Cyclohexane	110-82-7	84.20	0.200	0.689	0.408	1.41		1	WG2211230
MTWA0119MC002	L1697779-02	Ethanol	64-17-5	46.10	2.50	4.71	8.01	15.1		1	WG2211230
MTWA0119MC002	L1697779-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.256	1.44		1	WG2211230
MTWA0119MC002	L1697779-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG2211230
MTWA0119MC002	L1697779-02	Heptane	142-82-5	100	0.200	0.818	0.326	1.33		1	WG2211230
MTWA0119MC002	L1697779-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.276	0.958		1	WG2211230
MTWA0119MC002	L1697779-02	Pentane	109-66-0	72.15	0.200	0.590	1.47	4.34		1	WG2211230
MTWA0119MC002	L1697779-02	Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	WG2211230
MTWA0119MC003	L1697779-03	Acetone	67-64-1	58.10	1.25	2.97	9.09	21.6		1	WG2211230
MTWA0119MC003	L1697779-03	Benzene	71-43-2	78.10	0.200	0.639	0.423	1.35		1	WG2211230
MTWA0119MC003	L1697779-03	Butane	106-97-8	58	0.200	0.474	1.20	2.85		1	WG2211230
MTWA0119MC003	L1697779-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.457	0.944		1	WG2211230
MTWA0119MC003	L1697779-03	Ethanol	64-17-5	46.10	2.50	4.71	6.78	12.8		1	WG2211230
MTWA0119MC003	L1697779-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG2211230
MTWA0119MC003	L1697779-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2211230
MTWA0119MC003	L1697779-03	Pentane	109-66-0	72.15	0.200	0.590	0.503	1.48		1	WG2211230
MTWA0119MC003	L1697779-03	Toluene	108-88-3	92.10	0.500	1.88	0.626	2.36		1	WG2211230
MTWA0119MC003CL	L1697779-04	Acetone	67-64-1	58.10	1.25	2.97	9.36	22.2		1	WG2211230
MTWA0119MC003CL	L1697779-04	Benzene	71-43-2	78.10	0.200	0.639	0.363	1.16		1	WG2211230
MTWA0119MC003CL	L1697779-04	Butane	106-97-8	58	0.200	0.474	1.57	3.72		1	WG2211230
MTWA0119MC003CL	L1697779-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.615	1.27		1	WG2211230
MTWA0119MC003CL	L1697779-04	Ethanol	64-17-5	46.10	2.50	4.71	15.5	29.2		1	WG2211230
MTWA0119MC003CL	L1697779-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.246	1.38		1	WG2211230
MTWA0119MC003CL	L1697779-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.550	2.72		1	WG2211230
MTWA0119MC003CL	L1697779-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.289	1.00		1	WG2211230
MTWA0119MC003CL	L1697779-04	Pentane	109-66-0	72.15	0.200	0.590	0.542	1.60		1	WG2211230
MTWA0119MC003CL	L1697779-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.30	3.20		1	WG2211230
MTWA0119MC003CL	L1697779-04	Toluene	108-88-3	92.10	0.500	1.88	1.51	5.69		1	WG2211230
MTWA0119MC004	L1697779-05	Benzene	71-43-2	78.10	0.200	0.639	0.308	0.984		1	WG2211230
MTWA0119MC004	L1697779-05	Butane	106-97-8	58	0.200	0.474	1.36	3.23		1	WG2211230
MTWA0119MC004	L1697779-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.543	1.12		1	WG2211230
MTWA0119MC004	L1697779-05	Ethanol	64-17-5	46.10	2.50	4.71	8.86	16.7		1	WG2211230
MTWA0119MC004	L1697779-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2211230
MTWA0119MC004	L1697779-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.473	2.34		1	WG2211230
MTWA0119MC004	L1697779-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.500	1.74		1	WG2211230
MTWA0119MC004	L1697779-05	Pentane	109-66-0	72.15	0.200	0.590	0.786	2.32		1	WG2211230
MTWA0119MC004	L1697779-05	Toluene	108-88-3	92.10	0.500	1.88	0.525	1.98		1	WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.46	8.22		1	WG2211230
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211230
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211230
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211230
Benzene	71-43-2	78.10	0.200	0.639	0.284	0.907		1	WG2211230
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211230
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211230
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211230
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211230
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211230
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211230
Butane	106-97-8	58	0.200	0.474	1.24	2.94		1	WG2211230
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211230
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211230
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211230
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211230
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211230
Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2211230
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211230
Cyclohexane	110-82-7	84.20	0.200	0.689	0.258	0.888		1	WG2211230
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211230
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211230
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211230
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211230
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211230
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211230
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211230
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211230
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211230
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211230
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211230
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211230
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211230
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211230
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211230
Ethanol	64-17-5	46.10	2.50	4.71	4.61	8.69		1	WG2211230
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211230
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211230
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2211230
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.441	2.18		1	WG2211230
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211230
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211230
Heptane	142-82-5	100	0.200	0.818	0.245	1.00		1	WG2211230
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211230
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211230
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211230
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.218	0.757		1	WG2211230
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211230
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211230
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211230
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211230
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211230
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211230
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211230
Pentane	109-66-0	72.15	0.200	0.590	0.710	2.10		1	WG2211230
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211230
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211230
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211230
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211230
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211230
Toluene	108-88-3	92.10	0.500	1.88	0.678	2.55		1	WG2211230
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211230
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211230
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211230
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211230
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211230
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211230
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211230
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211230
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211230
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211230
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211230
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211230
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*90.5*				WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.98	9.46		1	WG2211230
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211230
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211230
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211230
Benzene	71-43-2	78.10	0.200	0.639	0.315	1.01		1	WG2211230
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211230
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211230
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211230
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211230
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211230
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211230
Butane	106-97-8	58	0.200	0.474	1.91	4.53		1	WG2211230
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211230
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211230
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211230
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211230
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211230
Chloromethane	74-87-3	50.50	0.200	0.413	0.545	1.13		1	WG2211230
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211230
Cyclohexane	110-82-7	84.20	0.200	0.689	0.408	1.41		1	WG2211230
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211230
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211230
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211230
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211230
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211230
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211230
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211230
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211230
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211230
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211230
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211230
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211230
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211230
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211230
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211230
Ethanol	64-17-5	46.10	2.50	4.71	8.01	15.1		1	WG2211230
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211230
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211230
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.256	1.44		1	WG2211230
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG2211230
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211230
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211230
Heptane	142-82-5	100	0.200	0.818	0.326	1.33		1	WG2211230
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211230
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211230
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211230
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.276	0.958		1	WG2211230
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211230
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211230
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211230
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211230
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211230
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211230
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211230
Pentane	109-66-0	72.15	0.200	0.590	1.47	4.34		1	WG2211230
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211230
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211230
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211230
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211230
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211230
Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	WG2211230
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211230
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211230
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211230
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211230
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211230
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211230
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211230
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211230
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211230
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211230
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211230
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211230
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.8*				WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	9.09	21.6		1	WG2211230
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211230
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211230
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211230
Benzene	71-43-2	78.10	0.200	0.639	0.423	1.35		1	WG2211230
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211230
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211230
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211230
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211230
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211230
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211230
Butane	106-97-8	58	0.200	0.474	1.20	2.85		1	WG2211230
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211230
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211230
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211230
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211230
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211230
Chloromethane	74-87-3	50.50	0.200	0.413	0.457	0.944		1	WG2211230
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211230
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2211230
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211230
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211230
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211230
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211230
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211230
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211230
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211230
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211230
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211230
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211230
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211230
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211230
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211230
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211230
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211230
Ethanol	64-17-5	46.10	2.50	4.71	6.78	12.8		1	WG2211230
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211230
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211230
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2211230
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG2211230
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211230
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211230
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211230
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211230
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211230
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211230
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2211230
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211230
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211230
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211230
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211230
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211230
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211230
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211230
Pentane	109-66-0	72.15	0.200	0.590	0.503	1.48		1	WG2211230
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211230
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211230
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211230
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211230
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211230
Toluene	108-88-3	92.10	0.500	1.88	0.626	2.36		1	WG2211230
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211230
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211230
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211230
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211230
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211230
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211230
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211230
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211230
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211230
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211230
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211230
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211230
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*90.7*				WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	9.36	22.2		1	WG2211230
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211230
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211230
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211230
Benzene	71-43-2	78.10	0.200	0.639	0.363	1.16		1	WG2211230
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211230
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211230
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211230
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211230
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211230
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211230
Butane	106-97-8	58	0.200	0.474	1.57	3.72		1	WG2211230
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211230
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211230
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211230
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211230
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211230
Chloromethane	74-87-3	50.50	0.200	0.413	0.615	1.27		1	WG2211230
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211230
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2211230
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211230
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211230
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211230
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211230
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211230
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211230
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211230
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211230
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211230
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211230
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211230
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211230
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211230
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211230
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211230
Ethanol	64-17-5	46.10	2.50	4.71	15.5	29.2		1	WG2211230
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211230
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211230
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.246	1.38		1	WG2211230
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.550	2.72		1	WG2211230
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211230
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211230
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211230
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211230
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211230
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211230
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.289	1.00		1	WG2211230
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211230
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211230
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211230
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211230
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211230
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211230
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211230
Pentane	109-66-0	72.15	0.200	0.590	0.542	1.60		1	WG2211230
2-Propanol	67-63-0	60.10	1.25	3.07	1.30	3.20		1	WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211230
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211230
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211230
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211230
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211230
Toluene	108-88-3	92.10	0.500	1.88	1.51	5.69		1	WG2211230
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211230
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211230
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211230
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211230
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211230
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211230
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211230
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211230
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211230
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211230
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211230
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211230
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.6*				WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG2211230
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211230
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211230
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211230
Benzene	71-43-2	78.10	0.200	0.639	0.308	0.984		1	WG2211230
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211230
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211230
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211230
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211230
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211230
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211230
Butane	106-97-8	58	0.200	0.474	1.36	3.23		1	WG2211230
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211230
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211230
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211230
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211230
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211230
Chloromethane	74-87-3	50.50	0.200	0.413	0.543	1.12		1	WG2211230
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211230
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2211230
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211230
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211230
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211230
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211230
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211230
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211230
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211230
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211230
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211230
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211230
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211230
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211230
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211230
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211230
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211230
Ethanol	64-17-5	46.10	2.50	4.71	8.86	16.7		1	WG2211230
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211230
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211230
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2211230
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.473	2.34		1	WG2211230
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211230
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211230
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211230
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211230
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211230
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211230
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.500	1.74		1	WG2211230
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211230
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211230
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211230
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211230
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211230
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211230
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211230
Pentane	109-66-0	72.15	0.200	0.590	0.786	2.32		1	WG2211230
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211230

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211230
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211230
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211230
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211230
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211230
Toluene	108-88-3	92.10	0.500	1.88	0.525	1.98		1	WG2211230
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211230
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211230
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211230
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211230
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211230
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211230
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211230
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211230
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211230
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211230
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211230
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211230
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.0*				WG2211230

Method Blank (MB)

(MB) R4025357-3 01/23/24 09:55

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.282	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4025357-3 01/23/24 09:55

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*90.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025357-1 01/23/24 08:53 • (LCSD) R4025357-2 01/23/24 09:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.75	3.88	100	103	70.0-130			3.41	25
Acetonitrile	18.8	18.9	19.4	101	103	70.0-130			2.61	25
Acrylonitrile	3.75	3.93	3.91	105	104	70.0-130			0.510	25
Allyl chloride	3.75	3.59	3.66	95.7	97.6	70.0-130			1.93	25
Benzene	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
Benzyl Chloride	3.75	3.76	3.79	100	101	70.0-152			0.795	25
Bromodichloromethane	3.75	3.64	3.76	97.1	100	70.0-130			3.24	25
Bromoform	3.75	3.76	3.63	100	96.8	70.0-130			3.52	25
Bromomethane	3.75	3.69	3.73	98.4	99.5	70.0-130			1.08	25
Bromoethane	3.75	3.60	3.59	96.0	95.7	70.0-130			0.278	25
1,3-Butadiene	3.75	3.71	3.82	98.9	102	70.0-130			2.92	25
Butane	3.75	3.72	3.66	99.2	97.6	70.0-130			1.63	25
Carbon disulfide	3.75	3.75	3.76	100	100	70.0-130			0.266	25
Carbon tetrachloride	3.75	3.67	3.62	97.9	96.5	70.0-130			1.37	25
Chlorobenzene	3.75	3.60	3.64	96.0	97.1	70.0-130			1.10	25
Chloroethane	3.75	3.68	3.71	98.1	98.9	70.0-130			0.812	25
Chloroform	3.75	3.66	3.67	97.6	97.9	70.0-130			0.273	25
Chloromethane	3.75	3.78	3.83	101	102	70.0-130			1.31	25
2-Chlorotoluene	3.75	3.81	3.78	102	101	70.0-130			0.791	25
Cyclohexane	3.75	3.65	3.79	97.3	101	70.0-130			3.76	25
n-Decane	3.75	3.92	3.99	105	106	70.0-130			1.77	25
Dibromochloromethane	3.75	3.74	3.65	99.7	97.3	70.0-130			2.44	25
1,2-Dibromoethane	3.75	3.69	3.76	98.4	100	70.0-130			1.88	25
1,2-Dichlorobenzene	3.75	3.71	3.58	98.9	95.5	70.0-130			3.57	25
1,3-Dichlorobenzene	3.75	3.77	3.72	101	99.2	70.0-130			1.34	25
1,4-Dichlorobenzene	3.75	3.81	3.66	102	97.6	70.0-130			4.02	25
1,2-Dichloroethane	3.75	3.74	3.89	99.7	104	70.0-130			3.93	25
1,1-Dichloroethane	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
1,1-Dichloroethene	3.75	3.62	3.66	96.5	97.6	70.0-130			1.10	25
cis-1,2-Dichloroethene	3.75	3.77	3.84	101	102	70.0-130			1.84	25
trans-1,2-Dichloroethene	3.75	3.70	3.81	98.7	102	70.0-130			2.93	25
1,2-Dichloropropane	3.75	3.65	3.75	97.3	100	70.0-130			2.70	25
cis-1,3-Dichloropropene	3.75	3.45	3.61	92.0	96.3	70.0-130			4.53	25
trans-1,3-Dichloropropene	3.75	3.63	3.66	96.8	97.6	70.0-130			0.823	25
1,4-Dioxane	3.75	3.41	3.82	90.9	102	70.0-140			11.3	25
Ethanol	3.75	3.72	3.78	99.2	101	55.0-148			1.60	25
Ethylbenzene	3.75	3.91	3.76	104	100	70.0-130			3.91	25
4-Ethyltoluene	3.75	3.94	3.83	105	102	70.0-130			2.83	25
Trichlorofluoromethane	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
Dichlorodifluoromethane	3.75	3.77	3.70	101	98.7	64.0-139			1.87	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025357-1 01/23/24 08:53 • (LCSD) R4025357-2 01/23/24 09:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.73	3.70	99.5	98.7	70.0-130			0.808	25
1,2-Dichlorotetrafluoroethane	3.75	3.65	3.70	97.3	98.7	70.0-130			1.36	25
Heptane	3.75	3.69	3.94	98.4	105	70.0-130			6.55	25
Hexachloro-1,3-butadiene	3.75	3.38	3.21	90.1	85.6	70.0-151			5.16	25
n-Hexane	3.75	3.70	3.73	98.7	99.5	70.0-130			0.808	25
Isopropylbenzene	3.75	3.86	3.74	103	99.7	70.0-130			3.16	25
Methylene Chloride	3.75	3.71	3.81	98.9	102	70.0-130			2.66	25
Methyl Butyl Ketone	3.75	3.91	4.02	104	107	70.0-149			2.77	25
2-Butanone (MEK)	3.75	3.68	3.67	98.1	97.9	70.0-130			0.272	25
4-Methyl-2-pentanone (MIBK)	3.75	3.83	4.12	102	110	70.0-139			7.30	25
Methyl methacrylate	3.75	3.70	3.81	98.7	102	70.0-130			2.93	25
MTBE	3.75	3.70	3.65	98.7	97.3	70.0-130			1.36	25
Naphthalene	3.75	4.30	4.29	115	114	70.0-159			0.233	25
Nonane	3.75	3.90	4.20	104	112	70.0-130			7.41	25
Pentane	3.75	3.60	3.71	96.0	98.9	70.0-130			3.01	25
2-Propanol	3.75	3.49	3.67	93.1	97.9	70.0-139			5.03	25
Propene	3.75	3.67	3.78	97.9	101	64.0-144			2.95	25
Styrene	3.75	3.76	3.80	100	101	70.0-130			1.06	25
1,1,2,2-Tetrachloroethane	3.75	3.76	3.71	100	98.9	70.0-130			1.34	25
Tetrachloroethylene	3.75	3.64	3.69	97.1	98.4	70.0-130			1.36	25
Tetrahydrofuran	3.75	3.75	3.87	100	103	70.0-137			3.15	25
Toluene	3.75	3.77	3.78	101	101	70.0-130			0.265	25
1,2,4-Trichlorobenzene	3.75	3.24	2.99	86.4	79.7	70.0-160			8.03	25
1,1,1-Trichloroethane	3.75	3.62	3.67	96.5	97.9	70.0-130			1.37	25
1,1,2-Trichloroethane	3.75	3.60	3.85	96.0	103	70.0-130			6.71	25
Trichloroethylene	3.75	3.71	3.74	98.9	99.7	70.0-130			0.805	25
1,2,4-Trimethylbenzene	3.75	3.88	3.76	103	100	70.0-130			3.14	25
1,3,5-Trimethylbenzene	3.75	3.93	3.81	105	102	70.0-130			3.10	25
2,2,4-Trimethylpentane	3.75	3.72	3.82	99.2	102	70.0-130			2.65	25
Vinyl chloride	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
Vinyl Bromide	3.75	3.81	3.81	102	102	70.0-130			0.000	25
Vinyl acetate	3.75	3.77	3.72	101	99.2	70.0-130			1.34	25
m&p-Xylene	7.50	7.88	7.67	105	102	70.0-130			2.70	25
o-Xylene	3.75	3.99	3.81	106	102	70.0-130			4.62	25
(S) 1,4-Bromofluorobenzene				*99.8*	*105*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

A026

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐

469779

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)	
MTWA0119MC001	009236	011622	01/19/24	0956	01/20/24	0439	-29	-7	CR	✓	A	01
MTWA0119MC002	0028031	005680	01/19/24	1006	01/20/24	0411	-29	-8	CR	✓	A	02
MTWA0119MC003	010236	021219	01/19/24	1027	01/20/24	0507	-29	-9	CR	✓	A	03
MTWA0119MC003CL	021192	015432	01/19/24	1027	01/20/24	0511	-29	-7	CR	✓	A	04
MTWA0119MC004	015627	010121	01/19/24	1039	01/20/24	0535	-29	-7	CR	✓	A	05

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Airs
Size: 1L 6L 1.4L
Tage Color: G @ P B
Tubing Shunt
T/P#:

M. Jarrett 1/23/24 0930 2700 7169 8240 amh

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	01/22/24 1300	[signature]	01/22/24 1300	Handed off to sample runner
[signature]	01/22/24 1330	FedEx	01/22/24 1330	Dropped off at FedEx for shipping

SDG # MTWA0119MC

ANALYTICAL REPORT

January 23, 2024

CTEH - ER

Sample Delivery Group:	L1697781
Samples Received:	01/23/2024
Project Number:	032692
Description:	

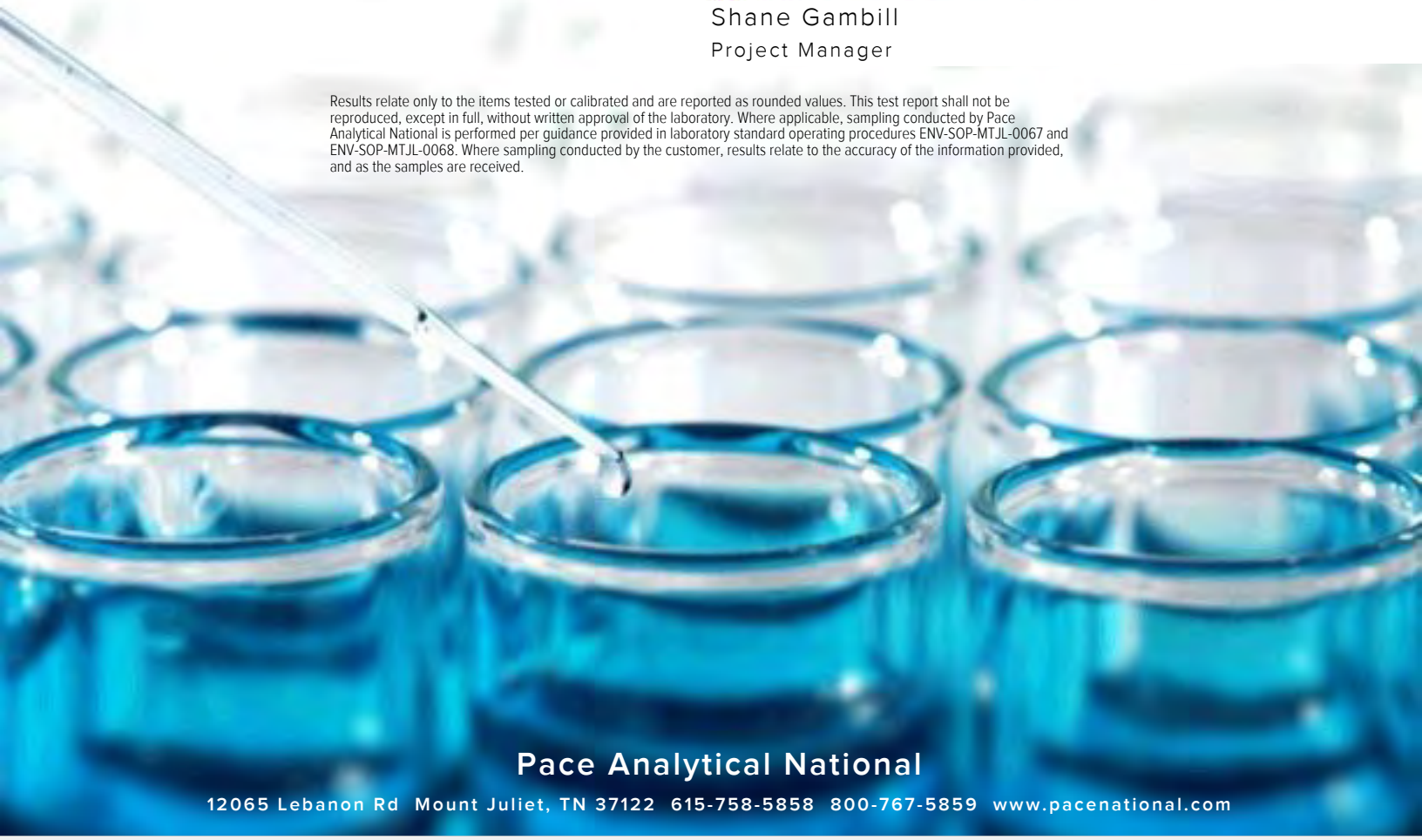
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Shane Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0120MC001 L1697781-01 Air

Collected by: CR | Collected date/time: 01/20/24 23:04 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211260	1	01/23/24 12:00	01/23/24 12:00	SDS	Mt. Juliet, TN

MTWA0120MC002 L1697781-02 Air

Collected by: CR | Collected date/time: 01/20/24 23:25 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211260	1	01/23/24 12:38	01/23/24 12:38	SDS	Mt. Juliet, TN

MTWA0120MC003 L1697781-03 Air

Collected by: CR | Collected date/time: 01/20/24 23:34 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211260	1	01/23/24 13:17	01/23/24 13:17	SDS	Mt. Juliet, TN

MTWA0120MC004 L1697781-04 Air

Collected by: CR | Collected date/time: 01/20/24 23:42 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211260	1	01/23/24 13:56	01/23/24 13:56	SDS	Mt. Juliet, TN

MTWA0120MC004CL L1697781-05 Air

Collected by: CR | Collected date/time: 01/20/24 23:43 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211260	1	01/23/24 14:35	01/23/24 14:35	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0120MC001	L1697781-01	Acetone	67-64-1	58.10	1.25	2.97	6.29	14.9		1	WG2211260
MTWA0120MC001	L1697781-01	Benzene	71-43-2	78.10	0.200	0.639	0.382	1.22		1	WG2211260
MTWA0120MC001	L1697781-01	Butane	106-97-8	58	0.200	0.474	1.53	3.63		1	WG2211260
MTWA0120MC001	L1697781-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.667	1.38		1	WG2211260
MTWA0120MC001	L1697781-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.493	1.70		1	WG2211260
MTWA0120MC001	L1697781-01	Ethanol	64-17-5	46.10	2.50	4.71	12.9	24.3		1	WG2211260
MTWA0120MC001	L1697781-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2211260
MTWA0120MC001	L1697781-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.412	2.04		1	WG2211260
MTWA0120MC001	L1697781-01	Heptane	142-82-5	100	0.200	0.818	0.397	1.62		1	WG2211260
MTWA0120MC001	L1697781-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.433	1.50		1	WG2211260
MTWA0120MC001	L1697781-01	Pentane	109-66-0	72.15	0.200	0.590	0.747	2.20		1	WG2211260
MTWA0120MC001	L1697781-01	Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2211260
MTWA0120MC001	L1697781-01	m&p-Xylene	179601-23-1	106	0.400	1.73	0.610	2.64		1	WG2211260
MTWA0120MC001	L1697781-01	o-Xylene	95-47-6	106	0.200	0.867	0.243	1.05		1	WG2211260
MTWA0120MC002	L1697781-02	Acetone	67-64-1	58.10	1.25	2.97	9.08	21.6		1	WG2211260
MTWA0120MC002	L1697781-02	Benzene	71-43-2	78.10	0.200	0.639	0.315	1.01		1	WG2211260
MTWA0120MC002	L1697781-02	Butane	106-97-8	58	0.200	0.474	1.21	2.87		1	WG2211260
MTWA0120MC002	L1697781-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.585	1.21		1	WG2211260
MTWA0120MC002	L1697781-02	Cyclohexane	110-82-7	84.20	0.200	0.689	0.236	0.813		1	WG2211260
MTWA0120MC002	L1697781-02	Ethanol	64-17-5	46.10	2.50	4.71	31.7	59.8		1	WG2211260
MTWA0120MC002	L1697781-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.230	1.29		1	WG2211260
MTWA0120MC002	L1697781-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2211260
MTWA0120MC002	L1697781-02	Heptane	142-82-5	100	0.200	0.818	0.200	0.818		1	WG2211260
MTWA0120MC002	L1697781-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.306	1.06		1	WG2211260
MTWA0120MC002	L1697781-02	Pentane	109-66-0	72.15	0.200	0.590	0.498	1.47		1	WG2211260
MTWA0120MC002	L1697781-02	2-Propanol	67-63-0	60.10	1.25	3.07	1.28	3.15		1	WG2211260
MTWA0120MC002	L1697781-02	Toluene	108-88-3	92.10	0.500	1.88	1.29	4.86		1	WG2211260
MTWA0120MC003	L1697781-03	Acetone	67-64-1	58.10	1.25	2.97	7.25	17.2		1	WG2211260
MTWA0120MC003	L1697781-03	Benzene	71-43-2	78.10	0.200	0.639	0.481	1.54		1	WG2211260
MTWA0120MC003	L1697781-03	Butane	106-97-8	58	0.200	0.474	1.53	3.63		1	WG2211260
MTWA0120MC003	L1697781-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.744	1.54		1	WG2211260
MTWA0120MC003	L1697781-03	Cyclohexane	110-82-7	84.20	0.200	0.689	0.885	3.05		1	WG2211260
MTWA0120MC003	L1697781-03	Ethanol	64-17-5	46.10	2.50	4.71	12.3	23.2		1	WG2211260
MTWA0120MC003	L1697781-03	Ethylbenzene	100-41-4	106	0.200	0.867	0.337	1.46		1	WG2211260
MTWA0120MC003	L1697781-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG2211260
MTWA0120MC003	L1697781-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG2211260
MTWA0120MC003	L1697781-03	Heptane	142-82-5	100	0.200	0.818	0.643	2.63		1	WG2211260
MTWA0120MC003	L1697781-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.339	1.18		1	WG2211260
MTWA0120MC003	L1697781-03	Pentane	109-66-0	72.15	0.200	0.590	1.06	3.13		1	WG2211260
MTWA0120MC003	L1697781-03	Toluene	108-88-3	92.10	0.500	1.88	3.62	13.6		1	WG2211260
MTWA0120MC003	L1697781-03	1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.211	1.04		1	WG2211260
MTWA0120MC003	L1697781-03	m&p-Xylene	179601-23-1	106	0.400	1.73	1.24	5.38		1	WG2211260
MTWA0120MC003	L1697781-03	o-Xylene	95-47-6	106	0.200	0.867	0.491	2.13		1	WG2211260
MTWA0120MC004	L1697781-04	Acetone	67-64-1	58.10	1.25	2.97	15.6	37.1		1	WG2211260
MTWA0120MC004	L1697781-04	Benzene	71-43-2	78.10	0.200	0.639	0.356	1.14		1	WG2211260
MTWA0120MC004	L1697781-04	Butane	106-97-8	58	0.200	0.474	1.41	3.34		1	WG2211260
MTWA0120MC004	L1697781-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.565	1.17		1	WG2211260
MTWA0120MC004	L1697781-04	Cyclohexane	110-82-7	84.20	0.200	0.689	0.364	1.25		1	WG2211260
MTWA0120MC004	L1697781-04	Ethanol	64-17-5	46.10	2.50	4.71	16.3	30.7		1	WG2211260
MTWA0120MC004	L1697781-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2211260
MTWA0120MC004	L1697781-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG2211260
MTWA0120MC004	L1697781-04	Heptane	142-82-5	100	0.200	0.818	0.308	1.26		1	WG2211260
MTWA0120MC004	L1697781-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.381	1.32		1	WG2211260
MTWA0120MC004	L1697781-04	Pentane	109-66-0	72.15	0.200	0.590	0.763	2.25		1	WG2211260
MTWA0120MC004	L1697781-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.47	3.61		1	WG2211260
MTWA0120MC004	L1697781-04	Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0120MC004	L1697781-04	m&p-Xylene	179601-23-1	106	0.400	1.73	0.439	1.90		1	WG2211260
MTWA0120MC004CL	L1697781-05	Acetone	67-64-1	58.10	1.25	2.97	42.1	100		1	WG2211260
MTWA0120MC004CL	L1697781-05	Benzene	71-43-2	78.10	0.200	0.639	0.362	1.16		1	WG2211260
MTWA0120MC004CL	L1697781-05	Butane	106-97-8	58	0.200	0.474	1.53	3.63		1	WG2211260
MTWA0120MC004CL	L1697781-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.667	1.38		1	WG2211260
MTWA0120MC004CL	L1697781-05	Cyclohexane	110-82-7	84.20	0.200	0.689	0.385	1.33		1	WG2211260
MTWA0120MC004CL	L1697781-05	Ethanol	64-17-5	46.10	2.50	4.71	23.2	43.7		1	WG2211260
MTWA0120MC004CL	L1697781-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.246	1.38		1	WG2211260
MTWA0120MC004CL	L1697781-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.412	2.04		1	WG2211260
MTWA0120MC004CL	L1697781-05	Heptane	142-82-5	100	0.200	0.818	0.327	1.34		1	WG2211260
MTWA0120MC004CL	L1697781-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.635	2.20		1	WG2211260
MTWA0120MC004CL	L1697781-05	Pentane	109-66-0	72.15	0.200	0.590	0.709	2.09		1	WG2211260
MTWA0120MC004CL	L1697781-05	2-Propanol	67-63-0	60.10	1.25	3.07	2.67	6.56		1	WG2211260
MTWA0120MC004CL	L1697781-05	Toluene	108-88-3	92.10	0.500	1.88	1.52	5.73		1	WG2211260
MTWA0120MC004CL	L1697781-05	m&p-Xylene	179601-23-1	106	0.400	1.73	0.439	1.90		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.29	14.9		1	WG2211260
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211260
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211260
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211260
Benzene	71-43-2	78.10	0.200	0.639	0.382	1.22		1	WG2211260
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211260
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211260
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211260
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211260
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211260
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211260
Butane	106-97-8	58	0.200	0.474	1.53	3.63		1	WG2211260
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211260
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211260
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211260
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211260
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211260
Chloromethane	74-87-3	50.50	0.200	0.413	0.667	1.38		1	WG2211260
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211260
Cyclohexane	110-82-7	84.20	0.200	0.689	0.493	1.70		1	WG2211260
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211260
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211260
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211260
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211260
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211260
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211260
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211260
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211260
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211260
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211260
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211260
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211260
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211260
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211260
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211260
Ethanol	64-17-5	46.10	2.50	4.71	12.9	24.3		1	WG2211260
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211260
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211260
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2211260
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.412	2.04		1	WG2211260
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211260
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211260
Heptane	142-82-5	100	0.200	0.818	0.397	1.62		1	WG2211260
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211260
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211260
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211260
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.433	1.50		1	WG2211260
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211260
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211260
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211260
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211260
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211260
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211260
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211260
Pentane	109-66-0	72.15	0.200	0.590	0.747	2.20		1	WG2211260
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211260
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211260
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211260
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211260
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211260
Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2211260
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211260
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211260
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211260
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211260
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211260
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211260
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211260
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211260
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211260
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211260
m&p-Xylene	179601-23-1	106	0.400	1.73	0.610	2.64		1	WG2211260
o-Xylene	95-47-6	106	0.200	0.867	0.243	1.05		1	WG2211260
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	9.08	21.6		1	WG2211260
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211260
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211260
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211260
Benzene	71-43-2	78.10	0.200	0.639	0.315	1.01		1	WG2211260
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211260
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211260
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211260
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211260
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211260
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211260
Butane	106-97-8	58	0.200	0.474	1.21	2.87		1	WG2211260
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211260
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211260
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211260
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211260
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211260
Chloromethane	74-87-3	50.50	0.200	0.413	0.585	1.21		1	WG2211260
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211260
Cyclohexane	110-82-7	84.20	0.200	0.689	0.236	0.813		1	WG2211260
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211260
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211260
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211260
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211260
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211260
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211260
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211260
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211260
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211260
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211260
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211260
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211260
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211260
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211260
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211260
Ethanol	64-17-5	46.10	2.50	4.71	31.7	59.8		1	WG2211260
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211260
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211260
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.230	1.29		1	WG2211260
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2211260
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211260
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211260
Heptane	142-82-5	100	0.200	0.818	0.200	0.818		1	WG2211260
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211260
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211260
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211260
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.306	1.06		1	WG2211260
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211260
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211260
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211260
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211260
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211260
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211260
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211260
Pentane	109-66-0	72.15	0.200	0.590	0.498	1.47		1	WG2211260
2-Propanol	67-63-0	60.10	1.25	3.07	1.28	3.15		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211260
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211260
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211260
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211260
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211260
Toluene	108-88-3	92.10	0.500	1.88	1.29	4.86		1	WG2211260
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211260
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211260
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211260
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211260
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211260
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211260
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211260
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211260
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211260
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211260
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211260
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211260
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.6*				WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.25	17.2		1	WG2211260
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211260
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211260
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211260
Benzene	71-43-2	78.10	0.200	0.639	0.481	1.54		1	WG2211260
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211260
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211260
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211260
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211260
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211260
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211260
Butane	106-97-8	58	0.200	0.474	1.53	3.63		1	WG2211260
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211260
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211260
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211260
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211260
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211260
Chloromethane	74-87-3	50.50	0.200	0.413	0.744	1.54		1	WG2211260
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211260
Cyclohexane	110-82-7	84.20	0.200	0.689	0.885	3.05		1	WG2211260
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211260
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211260
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211260
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211260
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211260
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211260
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211260
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211260
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211260
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211260
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211260
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211260
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211260
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211260
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211260
Ethanol	64-17-5	46.10	2.50	4.71	12.3	23.2		1	WG2211260
Ethylbenzene	100-41-4	106	0.200	0.867	0.337	1.46		1	WG2211260
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211260
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG2211260
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG2211260
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211260
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211260
Heptane	142-82-5	100	0.200	0.818	0.643	2.63		1	WG2211260
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211260
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211260
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211260
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.339	1.18		1	WG2211260
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211260
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211260
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211260
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211260
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211260
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211260
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211260
Pentane	109-66-0	72.15	0.200	0.590	1.06	3.13		1	WG2211260
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211260
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211260
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211260
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211260
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211260
Toluene	108-88-3	92.10	0.500	1.88	3.62	13.6		1	WG2211260
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211260
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211260
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211260
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211260
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.211	1.04		1	WG2211260
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211260
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211260
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211260
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211260
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211260
m&p-Xylene	179601-23-1	106	0.400	1.73	1.24	5.38		1	WG2211260
o-Xylene	95-47-6	106	0.200	0.867	0.491	2.13		1	WG2211260
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.3*				WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	15.6	37.1		1	WG2211260
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211260
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211260
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211260
Benzene	71-43-2	78.10	0.200	0.639	0.356	1.14		1	WG2211260
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211260
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211260
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211260
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211260
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211260
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211260
Butane	106-97-8	58	0.200	0.474	1.41	3.34		1	WG2211260
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211260
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211260
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211260
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211260
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211260
Chloromethane	74-87-3	50.50	0.200	0.413	0.565	1.17		1	WG2211260
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211260
Cyclohexane	110-82-7	84.20	0.200	0.689	0.364	1.25		1	WG2211260
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211260
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211260
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211260
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211260
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211260
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211260
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211260
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211260
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211260
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211260
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211260
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211260
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211260
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211260
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211260
Ethanol	64-17-5	46.10	2.50	4.71	16.3	30.7		1	WG2211260
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211260
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211260
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2211260
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG2211260
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211260
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211260
Heptane	142-82-5	100	0.200	0.818	0.308	1.26		1	WG2211260
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211260
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211260
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211260
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.381	1.32		1	WG2211260
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211260
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211260
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211260
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211260
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211260
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211260
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211260
Pentane	109-66-0	72.15	0.200	0.590	0.763	2.25		1	WG2211260
2-Propanol	67-63-0	60.10	1.25	3.07	1.47	3.61		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211260
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211260
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211260
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211260
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211260
Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2211260
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211260
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211260
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211260
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211260
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211260
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211260
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211260
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211260
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211260
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211260
m&p-Xylene	179601-23-1	106	0.400	1.73	0.439	1.90		1	WG2211260
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211260
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.1*				WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	42.1	100		1	WG2211260
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211260
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211260
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211260
Benzene	71-43-2	78.10	0.200	0.639	0.362	1.16		1	WG2211260
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211260
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211260
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211260
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211260
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211260
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211260
Butane	106-97-8	58	0.200	0.474	1.53	3.63		1	WG2211260
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211260
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211260
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211260
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211260
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211260
Chloromethane	74-87-3	50.50	0.200	0.413	0.667	1.38		1	WG2211260
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211260
Cyclohexane	110-82-7	84.20	0.200	0.689	0.385	1.33		1	WG2211260
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211260
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211260
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211260
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211260
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211260
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211260
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211260
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211260
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211260
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211260
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211260
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211260
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211260
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211260
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211260
Ethanol	64-17-5	46.10	2.50	4.71	23.2	43.7		1	WG2211260
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211260
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211260
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.246	1.38		1	WG2211260
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.412	2.04		1	WG2211260
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211260
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211260
Heptane	142-82-5	100	0.200	0.818	0.327	1.34		1	WG2211260
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211260
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211260
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211260
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.635	2.20		1	WG2211260
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211260
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211260
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211260
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211260
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211260
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211260
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211260
Pentane	109-66-0	72.15	0.200	0.590	0.709	2.09		1	WG2211260
2-Propanol	67-63-0	60.10	1.25	3.07	2.67	6.56		1	WG2211260

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211260
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211260
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211260
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211260
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211260
Toluene	108-88-3	92.10	0.500	1.88	1.52	5.73		1	WG2211260
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211260
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211260
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211260
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211260
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211260
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211260
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211260
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211260
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211260
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211260
m&p-Xylene	179601-23-1	106	0.400	1.73	0.439	1.90		1	WG2211260
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211260
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.1*				WG2211260

Method Blank (MB)

(MB) R4025431-3 01/23/24 10:15

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.856	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4025431-3 01/23/24 10:15

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025431-1 01/23/24 08:58 • (LCSD) R4025431-2 01/23/24 09:37

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.77	3.85	101	103	70.0-130			2.10	25
Acetonitrile	18.8	19.6	20.9	104	111	70.0-130			6.42	25
Acrylonitrile	3.75	3.91	4.04	104	108	70.0-130			3.27	25
Allyl chloride	3.75	3.77	3.99	101	106	70.0-130			5.67	25
Benzene	3.75	3.91	4.02	104	107	70.0-130			2.77	25
Benzyl Chloride	3.75	4.12	4.09	110	109	70.0-152			0.731	25
Bromodichloromethane	3.75	3.88	3.95	103	105	70.0-130			1.79	25
Bromoform	3.75	3.80	3.90	101	104	70.0-130			2.60	25
Bromomethane	3.75	3.74	3.80	99.7	101	70.0-130			1.59	25
Bromoethane	3.75	3.79	3.86	101	103	70.0-130			1.83	25
1,3-Butadiene	3.75	3.99	4.07	106	109	70.0-130			1.99	25
Butane	3.75	3.82	3.81	102	102	70.0-130			0.262	25
Carbon disulfide	3.75	3.64	3.70	97.1	98.7	70.0-130			1.63	25
Carbon tetrachloride	3.75	3.85	3.88	103	103	70.0-130			0.776	25
Chlorobenzene	3.75	4.02	4.06	107	108	70.0-130			0.990	25
Chloroethane	3.75	3.50	3.52	93.3	93.9	70.0-130			0.570	25
Chloroform	3.75	3.85	3.98	103	106	70.0-130			3.32	25
Chloromethane	3.75	4.38	4.75	117	127	70.0-130			8.11	25
2-Chlorotoluene	3.75	3.95	4.01	105	107	70.0-130			1.51	25
Cyclohexane	3.75	4.10	4.15	109	111	70.0-130			1.21	25
n-Decane	3.75	4.43	4.44	118	118	70.0-130			0.225	25
Dibromochloromethane	3.75	3.89	4.04	104	108	70.0-130			3.78	25
1,2-Dibromoethane	3.75	4.06	4.10	108	109	70.0-130			0.980	25
1,2-Dichlorobenzene	3.75	3.92	3.83	105	102	70.0-130			2.32	25
1,3-Dichlorobenzene	3.75	3.35	3.84	89.3	102	70.0-130			13.6	25
1,4-Dichlorobenzene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
1,2-Dichloroethane	3.75	3.82	3.82	102	102	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.89	4.00	104	107	70.0-130			2.79	25
1,1-Dichloroethene	3.75	3.95	4.02	105	107	70.0-130			1.76	25
cis-1,2-Dichloroethene	3.75	3.96	4.09	106	109	70.0-130			3.23	25
trans-1,2-Dichloroethene	3.75	3.95	4.07	105	109	70.0-130			2.99	25
1,2-Dichloropropane	3.75	3.96	4.05	106	108	70.0-130			2.25	25
cis-1,3-Dichloropropene	3.75	4.04	4.12	108	110	70.0-130			1.96	25
trans-1,3-Dichloropropene	3.75	4.08	4.16	109	111	70.0-130			1.94	25
1,4-Dioxane	3.75	4.04	4.13	108	110	70.0-140			2.20	25
Ethanol	3.75	3.85	3.89	103	104	55.0-148			1.03	25
Ethylbenzene	3.75	3.98	4.06	106	108	70.0-130			1.99	25
4-Ethyltoluene	3.75	4.05	4.07	108	109	70.0-130			0.493	25
Trichlorofluoromethane	3.75	3.67	4.22	97.9	113	70.0-130			13.9	25
Dichlorodifluoromethane	3.75	4.05	4.31	108	115	64.0-139			6.22	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025431-1 01/23/24 08:58 • (LCSD) R4025431-2 01/23/24 09:37

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.83	3.91	102	104	70.0-130			2.07	25
1,2-Dichlorotetrafluoroethane	3.75	4.22	4.48	113	119	70.0-130			5.98	25
Heptane	3.75	4.26	4.33	114	115	70.0-130			1.63	25
Hexachloro-1,3-butadiene	3.75	3.77	3.72	101	99.2	70.0-151			1.34	25
n-Hexane	3.75	4.11	4.22	110	113	70.0-130			2.64	25
Isopropylbenzene	3.75	4.15	4.19	111	112	70.0-130			0.959	25
Methylene Chloride	3.75	3.93	3.96	105	106	70.0-130			0.760	25
Methyl Butyl Ketone	3.75	4.27	4.36	114	116	70.0-149			2.09	25
2-Butanone (MEK)	3.75	3.97	4.05	106	108	70.0-130			2.00	25
4-Methyl-2-pentanone (MIBK)	3.75	4.25	4.34	113	116	70.0-139			2.10	25
Methyl methacrylate	3.75	4.02	4.13	107	110	70.0-130			2.70	25
MTBE	3.75	4.02	4.16	107	111	70.0-130			3.42	25
Naphthalene	3.75	4.17	4.09	111	109	70.0-159			1.94	25
Nonane	3.75	4.34	4.34	116	116	70.0-130			0.000	25
Pentane	3.75	3.89	3.87	104	103	70.0-130			0.515	25
2-Propanol	3.75	3.95	4.04	105	108	70.0-139			2.25	25
Propene	3.75	4.31	4.66	115	124	64.0-144			7.80	25
Styrene	3.75	4.15	4.21	111	112	70.0-130			1.44	25
1,1,2,2-Tetrachloroethane	3.75	3.83	3.90	102	104	70.0-130			1.81	25
Tetrachloroethylene	3.75	3.84	3.92	102	105	70.0-130			2.06	25
Tetrahydrofuran	3.75	4.16	4.29	111	114	70.0-137			3.08	25
Toluene	3.75	4.07	4.13	109	110	70.0-130			1.46	25
1,2,4-Trichlorobenzene	3.75	3.92	3.90	105	104	70.0-160			0.512	25
1,1,1-Trichloroethane	3.75	3.81	3.92	102	105	70.0-130			2.85	25
1,1,2-Trichloroethane	3.75	3.89	3.96	104	106	70.0-130			1.78	25
Trichloroethylene	3.75	3.93	3.97	105	106	70.0-130			1.01	25
1,2,4-Trimethylbenzene	3.75	4.14	4.15	110	111	70.0-130			0.241	25
1,3,5-Trimethylbenzene	3.75	4.05	4.09	108	109	70.0-130			0.983	25
2,2,4-Trimethylpentane	3.75	4.26	4.38	114	117	70.0-130			2.78	25
Vinyl chloride	3.75	3.89	3.97	104	106	70.0-130			2.04	25
Vinyl Bromide	3.75	3.65	4.55	97.3	121	70.0-130			22.0	25
Vinyl acetate	3.75	4.18	4.27	111	114	70.0-130			2.13	25
m&p-Xylene	7.50	8.18	8.36	109	111	70.0-130			2.18	25
o-Xylene	3.75	4.12	4.19	110	112	70.0-130			1.68	25
(S) 1,4-Bromofluorobenzene				*96.5*	*97.1*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

A025

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault; Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send Invoices to ctehap@montrose-env.com with invoice # and Vendor

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ 4697781

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix: A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water	
MTWA0120MC001	028630	015631	1/20/24	0445	1/20/24	2304	-29	-5	CA	X	A	01
MTWA0120MC002	012887	023562	1/20/24	0417	1/20/24	2325	-28	-5	CA	X	A	02
MTWA0120MC003	012522	028466	1/20/24	0520	1/20/24	2334	-28	-7	CA	X	A	03
MTWA0120MC004	021147	023483	1/20/24	0539	1/20/24	2342	-28	-8	CA	X	A	04
MTWA0120MC004CL	010721	029300	1/20/24	0543	1/20/24	2343	-29	-8	CA	X	A	05

Sample Receipt Checklist
COC Seal Present/Intact: Y__N
COC Signed/Accurate: Y__N
Bottles arrive intact: Y__N
Correct bottles used: Y__N
Size: Airs 1L 6L 1.4L
Tage Color: G W P B
Tubing ___ Shunt ___
T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	1/21/24 1000	Gaynell Watts	01/21/24 1000	M. Jawell 1/23/24 0930 AMD
Gaynell Watts	01/22/24 1030	FEDEX 1	01/22/24 1030	2700 7169 8240

SDG # MTWA0120MC

ANALYTICAL REPORT

January 25, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

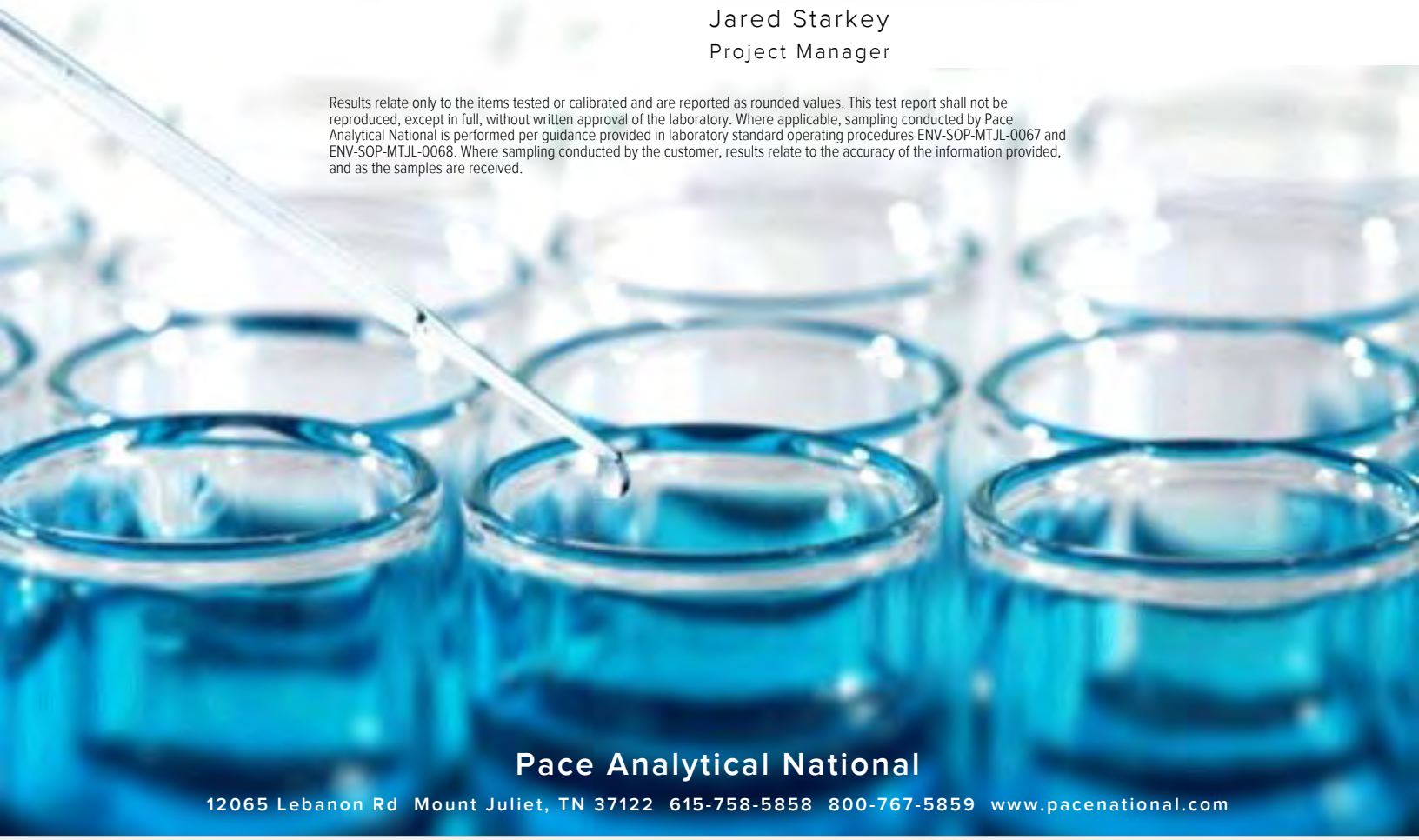
CTEH - ER

Sample Delivery Group:	L1697785
Samples Received:	01/23/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0120MC001B L1697785-01 Air

Collected by: CR | Collected date/time: 01/21/24 16:45 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211323	1	01/23/24 20:10	01/23/24 20:10	MNP	Mt. Juliet, TN

MTWA0120MC001CLB L1697785-02 Air

Collected by: CR | Collected date/time: 01/21/24 16:45 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211323	1	01/23/24 20:39	01/23/24 20:39	MNP	Mt. Juliet, TN

MTWA0120MC002B L1697785-03 Air

Collected by: CR | Collected date/time: 01/21/24 17:02 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211323	1	01/23/24 21:07	01/23/24 21:07	MNP	Mt. Juliet, TN

MTWA0120MC003B L1697785-04 Air

Collected by: CR | Collected date/time: 01/21/24 17:22 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211323	1	01/23/24 21:36	01/23/24 21:36	MNP	Mt. Juliet, TN

MTWA0120MC004B L1697785-05 Air

Collected by: CR | Collected date/time: 01/21/24 17:32 | Received date/time: 01/23/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2211323	1	01/23/24 22:05	01/23/24 22:05	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0120MC001B	L1697785-01	Acetone	67-64-1	58.10	1.25	2.97	18.6	44.2		1	WG2211323
MTWA0120MC001B	L1697785-01	Butane	106-97-8	58	0.200	0.474	0.986	2.34		1	WG2211323
MTWA0120MC001B	L1697785-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.580	1.20		1	WG2211323
MTWA0120MC001B	L1697785-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.708	2.44		1	WG2211323
MTWA0120MC001B	L1697785-01	Ethanol	64-17-5	46.10	2.50	4.71	11.6	21.9		1	WG2211323
MTWA0120MC001B	L1697785-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2211323
MTWA0120MC001B	L1697785-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.446	2.21		1	WG2211323
MTWA0120MC001B	L1697785-01	Heptane	142-82-5	100	0.200	0.818	0.252	1.03		1	WG2211323
MTWA0120MC001B	L1697785-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.384	1.33		1	WG2211323
MTWA0120MC001B	L1697785-01	Pentane	109-66-0	72.15	0.200	0.590	0.859	2.53		1	WG2211323
MTWA0120MC001B	L1697785-01	2-Propanol	67-63-0	60.10	1.25	3.07	2.18	5.36		1	WG2211323
MTWA0120MC001B	L1697785-01	Tetrachloroethylene	127-18-4	166	0.200	1.36	4.13	28.0		1	WG2211323
MTWA0120MC001B	L1697785-01	Toluene	108-88-3	92.10	0.500	1.88	1.47	5.54		1	WG2211323
MTWA0120MC001B	L1697785-01	m&p-Xylene	179601-23-1	106	0.400	1.73	0.559	2.42		1	WG2211323
MTWA0120MC001B	L1697785-01	o-Xylene	95-47-6	106	0.200	0.867	0.250	1.08		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Acetone	67-64-1	58.10	1.25	2.97	12.6	29.9		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Butane	106-97-8	58	0.200	0.474	0.666	1.58		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.560	1.16		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Ethanol	64-17-5	46.10	2.50	4.71	8.66	16.3		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.229	1.29		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.471	2.33		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Pentane	109-66-0	72.15	0.200	0.590	0.364	1.07		1	WG2211323
MTWA0120MC001CLB	L1697785-02	Toluene	108-88-3	92.10	0.500	1.88	0.575	2.17		1	WG2211323
MTWA0120MC002B	L1697785-03	Acetone	67-64-1	58.10	1.25	2.97	35.1	83.4		1	WG2211323
MTWA0120MC002B	L1697785-03	Benzene	71-43-2	78.10	0.200	0.639	0.496	1.58		1	WG2211323
MTWA0120MC002B	L1697785-03	Butane	106-97-8	58	0.200	0.474	0.789	1.87		1	WG2211323
MTWA0120MC002B	L1697785-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG2211323
MTWA0120MC002B	L1697785-03	Cyclohexane	110-82-7	84.20	0.200	0.689	0.215	0.740		1	WG2211323
MTWA0120MC002B	L1697785-03	Ethanol	64-17-5	46.10	2.50	4.71	8.23	15.5		1	WG2211323
MTWA0120MC002B	L1697785-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2211323
MTWA0120MC002B	L1697785-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.433	2.14		1	WG2211323
MTWA0120MC002B	L1697785-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.337	1.17		1	WG2211323
MTWA0120MC002B	L1697785-03	Pentane	109-66-0	72.15	0.200	0.590	0.403	1.19		1	WG2211323
MTWA0120MC002B	L1697785-03	Toluene	108-88-3	92.10	0.500	1.88	0.822	3.10		1	WG2211323
MTWA0120MC003B	L1697785-04	Acetone	67-64-1	58.10	1.25	2.97	26.1	62.0		1	WG2211323
MTWA0120MC003B	L1697785-04	Benzene	71-43-2	78.10	0.200	0.639	0.241	0.770		1	WG2211323
MTWA0120MC003B	L1697785-04	Butane	106-97-8	58	0.200	0.474	0.712	1.69		1	WG2211323
MTWA0120MC003B	L1697785-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.541	1.12		1	WG2211323
MTWA0120MC003B	L1697785-04	Cyclohexane	110-82-7	84.20	0.200	0.689	0.222	0.765		1	WG2211323
MTWA0120MC003B	L1697785-04	Ethanol	64-17-5	46.10	2.50	4.71	10.9	20.6		1	WG2211323
MTWA0120MC003B	L1697785-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.216	1.21		1	WG2211323
MTWA0120MC003B	L1697785-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.469	2.32		1	WG2211323
MTWA0120MC003B	L1697785-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.239	0.830		1	WG2211323
MTWA0120MC003B	L1697785-04	Pentane	109-66-0	72.15	0.200	0.590	0.461	1.36		1	WG2211323
MTWA0120MC003B	L1697785-04	Toluene	108-88-3	92.10	0.500	1.88	0.766	2.89		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0120MC004B	L1697785-05	Acetone	67-64-1	58.10	1.25	2.97	26.1	62.0		1	WG2211323
MTWA0120MC004B	L1697785-05	Benzene	71-43-2	78.10	0.200	0.639	0.224	0.716		1	WG2211323
MTWA0120MC004B	L1697785-05	Butane	106-97-8	58	0.200	0.474	1.09	2.59		1	WG2211323
MTWA0120MC004B	L1697785-05	Chloroethane	75-00-3	64.50	0.200	0.528	0.207	0.546		1	WG2211323
MTWA0120MC004B	L1697785-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.589	1.22		1	WG2211323
MTWA0120MC004B	L1697785-05	Cyclohexane	110-82-7	84.20	0.200	0.689	0.228	0.785		1	WG2211323
MTWA0120MC004B	L1697785-05	Ethanol	64-17-5	46.10	2.50	4.71	47.5	89.6		1	WG2211323
MTWA0120MC004B	L1697785-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.211	1.19		1	WG2211323
MTWA0120MC004B	L1697785-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.456	2.26		1	WG2211323
MTWA0120MC004B	L1697785-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.489	1.70		1	WG2211323
MTWA0120MC004B	L1697785-05	Pentane	109-66-0	72.15	0.200	0.590	0.641	1.89		1	WG2211323
MTWA0120MC004B	L1697785-05	2-Propanol	67-63-0	60.10	1.25	3.07	4.07	10.0		1	WG2211323
MTWA0120MC004B	L1697785-05	Toluene	108-88-3	92.10	0.500	1.88	1.46	5.50		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	18.6	44.2		1	WG2211323
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211323
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211323
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211323
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2211323
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211323
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211323
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211323
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211323
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211323
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211323
Butane	106-97-8	58	0.200	0.474	0.986	2.34		1	WG2211323
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211323
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211323
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211323
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211323
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211323
Chloromethane	74-87-3	50.50	0.200	0.413	0.580	1.20		1	WG2211323
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211323
Cyclohexane	110-82-7	84.20	0.200	0.689	0.708	2.44		1	WG2211323
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211323
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211323
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211323
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211323
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211323
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211323
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211323
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211323
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211323
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211323
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211323
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211323
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211323
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211323
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211323
Ethanol	64-17-5	46.10	2.50	4.71	11.6	21.9		1	WG2211323
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211323
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211323
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2211323
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.446	2.21		1	WG2211323
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211323
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211323
Heptane	142-82-5	100	0.200	0.818	0.252	1.03		1	WG2211323
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211323
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211323
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211323
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.384	1.33		1	WG2211323
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211323
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211323
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211323
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211323
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211323
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211323
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211323
Pentane	109-66-0	72.15	0.200	0.590	0.859	2.53		1	WG2211323
2-Propanol	67-63-0	60.10	1.25	3.07	2.18	5.36		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211323
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211323
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211323
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.13	28.0		1	WG2211323
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211323
Toluene	108-88-3	92.10	0.500	1.88	1.47	5.54		1	WG2211323
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211323
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211323
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211323
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211323
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211323
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211323
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211323
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211323
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211323
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211323
m&p-Xylene	179601-23-1	106	0.400	1.73	0.559	2.42		1	WG2211323
o-Xylene	95-47-6	106	0.200	0.867	0.250	1.08		1	WG2211323
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.0*				WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.6	29.9		1	WG2211323
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211323
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211323
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211323
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2211323
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211323
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211323
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211323
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211323
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211323
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211323
Butane	106-97-8	58	0.200	0.474	0.666	1.58		1	WG2211323
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211323
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211323
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211323
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211323
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211323
Chloromethane	74-87-3	50.50	0.200	0.413	0.560	1.16		1	WG2211323
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211323
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2211323
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211323
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211323
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211323
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211323
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211323
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211323
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211323
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211323
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211323
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211323
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211323
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211323
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211323
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211323
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211323
Ethanol	64-17-5	46.10	2.50	4.71	8.66	16.3		1	WG2211323
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211323
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211323
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.229	1.29		1	WG2211323
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.471	2.33		1	WG2211323
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211323
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211323
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211323
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211323
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211323
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211323
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG2211323
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211323
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211323
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211323
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211323
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211323
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211323
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211323
Pentane	109-66-0	72.15	0.200	0.590	0.364	1.07		1	WG2211323
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211323
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211323
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211323
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211323
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211323
Toluene	108-88-3	92.10	0.500	1.88	0.575	2.17		1	WG2211323
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211323
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211323
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211323
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211323
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211323
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211323
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211323
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211323
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211323
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211323
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211323
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211323
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.9*				WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	35.1	83.4		1	WG2211323
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211323
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211323
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211323
Benzene	71-43-2	78.10	0.200	0.639	0.496	1.58		1	WG2211323
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211323
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211323
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211323
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211323
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211323
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211323
Butane	106-97-8	58	0.200	0.474	0.789	1.87		1	WG2211323
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211323
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211323
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211323
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211323
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211323
Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG2211323
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211323
Cyclohexane	110-82-7	84.20	0.200	0.689	0.215	0.740		1	WG2211323
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211323
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211323
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211323
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211323
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211323
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211323
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211323
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211323
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211323
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211323
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211323
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211323
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211323
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211323
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211323
Ethanol	64-17-5	46.10	2.50	4.71	8.23	15.5		1	WG2211323
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211323
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211323
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2211323
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.433	2.14		1	WG2211323
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211323
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211323
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211323
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211323
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211323
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211323
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.337	1.17		1	WG2211323
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211323
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211323
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211323
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211323
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211323
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211323
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211323
Pentane	109-66-0	72.15	0.200	0.590	0.403	1.19		1	WG2211323
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211323
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211323
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211323
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211323
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211323
Toluene	108-88-3	92.10	0.500	1.88	0.822	3.10		1	WG2211323
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211323
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211323
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211323
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211323
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211323
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211323
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211323
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211323
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211323
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211323
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211323
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211323
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.1*				WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	26.1	62.0		1	WG2211323
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211323
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211323
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211323
Benzene	71-43-2	78.10	0.200	0.639	0.241	0.770		1	WG2211323
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211323
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211323
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211323
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211323
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211323
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211323
Butane	106-97-8	58	0.200	0.474	0.712	1.69		1	WG2211323
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211323
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211323
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211323
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2211323
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211323
Chloromethane	74-87-3	50.50	0.200	0.413	0.541	1.12		1	WG2211323
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211323
Cyclohexane	110-82-7	84.20	0.200	0.689	0.222	0.765		1	WG2211323
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211323
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211323
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211323
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211323
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211323
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211323
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211323
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211323
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211323
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211323
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211323
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211323
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211323
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211323
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211323
Ethanol	64-17-5	46.10	2.50	4.71	10.9	20.6		1	WG2211323
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211323
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211323
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.216	1.21		1	WG2211323
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.469	2.32		1	WG2211323
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211323
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211323
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211323
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211323
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211323
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211323
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.239	0.830		1	WG2211323
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211323
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211323
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211323
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211323
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211323
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211323
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211323
Pentane	109-66-0	72.15	0.200	0.590	0.461	1.36		1	WG2211323
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211323
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211323
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211323
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211323
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211323
Toluene	108-88-3	92.10	0.500	1.88	0.766	2.89		1	WG2211323
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211323
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211323
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211323
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211323
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211323
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211323
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211323
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211323
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211323
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211323
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211323
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211323
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.9*				WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	26.1	62.0		1	WG2211323
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2211323
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2211323
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2211323
Benzene	71-43-2	78.10	0.200	0.639	0.224	0.716		1	WG2211323
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2211323
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2211323
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2211323
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2211323
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2211323
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2211323
Butane	106-97-8	58	0.200	0.474	1.09	2.59		1	WG2211323
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2211323
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2211323
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2211323
Chloroethane	75-00-3	64.50	0.200	0.528	0.207	0.546		1	WG2211323
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2211323
Chloromethane	74-87-3	50.50	0.200	0.413	0.589	1.22		1	WG2211323
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2211323
Cyclohexane	110-82-7	84.20	0.200	0.689	0.228	0.785		1	WG2211323
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2211323
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2211323
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2211323
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2211323
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2211323
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2211323
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2211323
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2211323
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2211323
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2211323
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2211323
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2211323
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2211323
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2211323
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2211323
Ethanol	64-17-5	46.10	2.50	4.71	47.5	89.6		1	WG2211323
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2211323
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2211323
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.211	1.19		1	WG2211323
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.456	2.26		1	WG2211323
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2211323
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2211323
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2211323
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2211323
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2211323
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2211323
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.489	1.70		1	WG2211323
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2211323
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2211323
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2211323
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2211323
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2211323
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2211323
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2211323
Pentane	109-66-0	72.15	0.200	0.590	0.641	1.89		1	WG2211323
2-Propanol	67-63-0	60.10	1.25	3.07	4.07	10.0		1	WG2211323

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2211323
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2211323
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2211323
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2211323
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2211323
Toluene	108-88-3	92.10	0.500	1.88	1.46	5.50		1	WG2211323
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2211323
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2211323
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2211323
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2211323
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2211323
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2211323
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2211323
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2211323
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2211323
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2211323
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2211323
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2211323
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.3*				WG2211323

Method Blank (MB)

(MB) R4025425-3 01/23/24 10:50

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4025425-3 01/23/24 10:50

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025425-1 01/23/24 09:53 • (LCSD) R4025425-2 01/23/24 10:23

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.80	3.78	101	101	70.0-130			0.528	25
Acetonitrile	18.8	19.8	19.4	105	103	70.0-130			2.04	25
Acrylonitrile	3.75	3.92	3.85	105	103	70.0-130			1.80	25
Allyl chloride	3.75	3.84	3.83	102	102	70.0-130			0.261	25
Benzene	3.75	3.87	3.86	103	103	70.0-130			0.259	25
Benzyl Chloride	3.75	5.02	4.88	134	130	70.0-152			2.83	25
Bromodichloromethane	3.75	3.92	3.91	105	104	70.0-130			0.255	25
Bromoform	3.75	4.15	3.98	111	106	70.0-130			4.18	25
Bromomethane	3.75	3.85	3.72	103	99.2	70.0-130			3.43	25
Bromoethane	3.75	3.82	3.75	102	100	70.0-130			1.85	25
1,3-Butadiene	3.75	3.90	3.73	104	99.5	70.0-130			4.46	25
Butane	3.75	3.88	3.79	103	101	70.0-130			2.35	25
Carbon disulfide	3.75	3.94	3.85	105	103	70.0-130			2.31	25
Carbon tetrachloride	3.75	4.03	3.90	107	104	70.0-130			3.28	25
Chlorobenzene	3.75	3.88	3.85	103	103	70.0-130			0.776	25
Chloroethane	3.75	3.77	3.62	101	96.5	70.0-130			4.06	25
Chloroform	3.75	3.92	3.88	105	103	70.0-130			1.03	25
Chloromethane	3.75	3.89	3.84	104	102	70.0-130			1.29	25
2-Chlorotoluene	3.75	4.01	3.94	107	105	70.0-130			1.76	25
Cyclohexane	3.75	3.93	3.88	105	103	70.0-130			1.28	25
n-Decane	3.75	4.61	4.44	123	118	70.0-130			3.76	25
Dibromochloromethane	3.75	4.04	4.02	108	107	70.0-130			0.496	25
1,2-Dibromoethane	3.75	3.96	3.93	106	105	70.0-130			0.760	25
1,2-Dichlorobenzene	3.75	4.10	4.06	109	108	70.0-130			0.980	25
1,3-Dichlorobenzene	3.75	4.17	4.13	111	110	70.0-130			0.964	25
1,4-Dichlorobenzene	3.75	4.18	4.14	111	110	70.0-130			0.962	25
1,2-Dichloroethane	3.75	3.92	3.86	105	103	70.0-130			1.54	25
1,1-Dichloroethane	3.75	3.92	3.89	105	104	70.0-130			0.768	25
1,1-Dichloroethene	3.75	3.89	3.74	104	99.7	70.0-130			3.93	25
cis-1,2-Dichloroethene	3.75	4.02	3.88	107	103	70.0-130			3.54	25
trans-1,2-Dichloroethene	3.75	3.92	3.81	105	102	70.0-130			2.85	25
1,2-Dichloropropane	3.75	3.88	3.82	103	102	70.0-130			1.56	25
cis-1,3-Dichloropropene	3.75	4.01	3.93	107	105	70.0-130			2.02	25
trans-1,3-Dichloropropene	3.75	4.09	4.14	109	110	70.0-130			1.22	25
1,4-Dioxane	3.75	4.18	4.12	111	110	70.0-140			1.45	25
Ethanol	3.75	3.63	3.62	96.8	96.5	55.0-148			0.276	25
Ethylbenzene	3.75	4.03	3.92	107	105	70.0-130			2.77	25
4-Ethyltoluene	3.75	4.16	4.08	111	109	70.0-130			1.94	25
Trichlorofluoromethane	3.75	3.81	3.80	102	101	70.0-130			0.263	25
Dichlorodifluoromethane	3.75	3.88	3.76	103	100	64.0-139			3.14	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025425-1 01/23/24 09:53 • (LCSD) R4025425-2 01/23/24 10:23

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.84	3.73	102	99.5	70.0-130			2.91	25
1,2-Dichlorotetrafluoroethane	3.75	3.87	3.77	103	101	70.0-130			2.62	25
Heptane	3.75	3.98	3.97	106	106	70.0-130			0.252	25
Hexachloro-1,3-butadiene	3.75	4.16	3.89	111	104	70.0-151			6.71	25
n-Hexane	3.75	4.04	3.91	108	104	70.0-130			3.27	25
Isopropylbenzene	3.75	4.05	3.99	108	106	70.0-130			1.49	25
Methylene Chloride	3.75	3.90	3.77	104	101	70.0-130			3.39	25
Methyl Butyl Ketone	3.75	4.35	4.33	116	115	70.0-149			0.461	25
2-Butanone (MEK)	3.75	4.16	4.08	111	109	70.0-130			1.94	25
4-Methyl-2-pentanone (MIBK)	3.75	4.18	4.19	111	112	70.0-139			0.239	25
Methyl methacrylate	3.75	3.80	3.77	101	101	70.0-130			0.793	25
MTBE	3.75	3.94	3.84	105	102	70.0-130			2.57	25
Naphthalene	3.75	4.24	4.02	113	107	70.0-159			5.33	25
Nonane	3.75	4.32	4.35	115	116	70.0-130			0.692	25
Pentane	3.75	3.80	3.79	101	101	70.0-130			0.264	25
2-Propanol	3.75	3.85	3.76	103	100	70.0-139			2.37	25
Propene	3.75	3.98	3.88	106	103	64.0-144			2.54	25
Styrene	3.75	4.19	3.97	112	106	70.0-130			5.39	25
1,1,2,2-Tetrachloroethane	3.75	4.05	3.94	108	105	70.0-130			2.75	25
Tetrachloroethylene	3.75	3.83	3.84	102	102	70.0-130			0.261	25
Tetrahydrofuran	3.75	4.10	3.97	109	106	70.0-137			3.22	25
Toluene	3.75	3.96	3.92	106	105	70.0-130			1.02	25
1,2,4-Trichlorobenzene	3.75	4.03	3.86	107	103	70.0-160			4.31	25
1,1,1-Trichloroethane	3.75	3.91	3.86	104	103	70.0-130			1.29	25
1,1,2-Trichloroethane	3.75	3.87	3.86	103	103	70.0-130			0.259	25
Trichloroethylene	3.75	3.82	3.85	102	103	70.0-130			0.782	25
1,2,4-Trimethylbenzene	3.75	4.24	4.12	113	110	70.0-130			2.87	25
1,3,5-Trimethylbenzene	3.75	4.13	4.05	110	108	70.0-130			1.96	25
2,2,4-Trimethylpentane	3.75	4.01	3.93	107	105	70.0-130			2.02	25
Vinyl chloride	3.75	3.87	3.83	103	102	70.0-130			1.04	25
Vinyl Bromide	3.75	3.79	3.81	101	102	70.0-130			0.526	25
Vinyl acetate	3.75	3.63	3.57	96.8	95.2	70.0-130			1.67	25
m&p-Xylene	7.50	8.12	7.94	108	106	70.0-130			2.24	25
o-Xylene	3.75	4.13	4.02	110	107	70.0-130			2.70	25
(S) 1,4-Bromofluorobenzene				*101*	*99.4*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier | Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

A024

THE SCIENCE OF READY™

Send Report to	Andy Henault; Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send Invoices to ctehap@montrose-env.com with invoice # and Vendor

CTEH Project # 032692

Turnaround Requested: ☒ Normal ☐ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒ 4697785

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method: or	Matrix
MTWA0120MC001B	011836	009903	1/20/24	2309	1/21/24	1645	-28	-10	CH	X		A 01
MTWA0120MC001CLB	009769	011658	1/20/24	2305	1/21/24	1645	-28	-10	CH	X		A 02
MTWA0120MC002B	021383	011682	1/20/24	2327	1/21/24	1702	-29	-7	CH	X	or	A 03
MTWA0120MC003B	021194	021253	1/20/24	2335	1/21/24	1722	-29	-10	CH	X		A 04
MTWA0120MC004B	015683	015697	1/20/24	2345	1/21/24	1732	-28	-10	CH	X		A 05

Sample Receipt Checklist

COC Seal Present/Intact: Y N Airs
COC Signed/Accurate: Y N Size: 1L 6L 1.4L
Bottles arrive intact: Y N Tage Color: G W P B
Correct bottles used: Y N Tubing Shunt

T/B#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	1/21/24 1830	Haynell Gates	01/22/24 1030	M. Jewell 1/23/24 0930 AMD
Haynell Gates	01/22/24 1030	FEDEX	01/22/24 1030	2700 7188 4709

SDG # MTWA0120MCB

ANALYTICAL REPORT

January 24, 2024

CTEH - ER

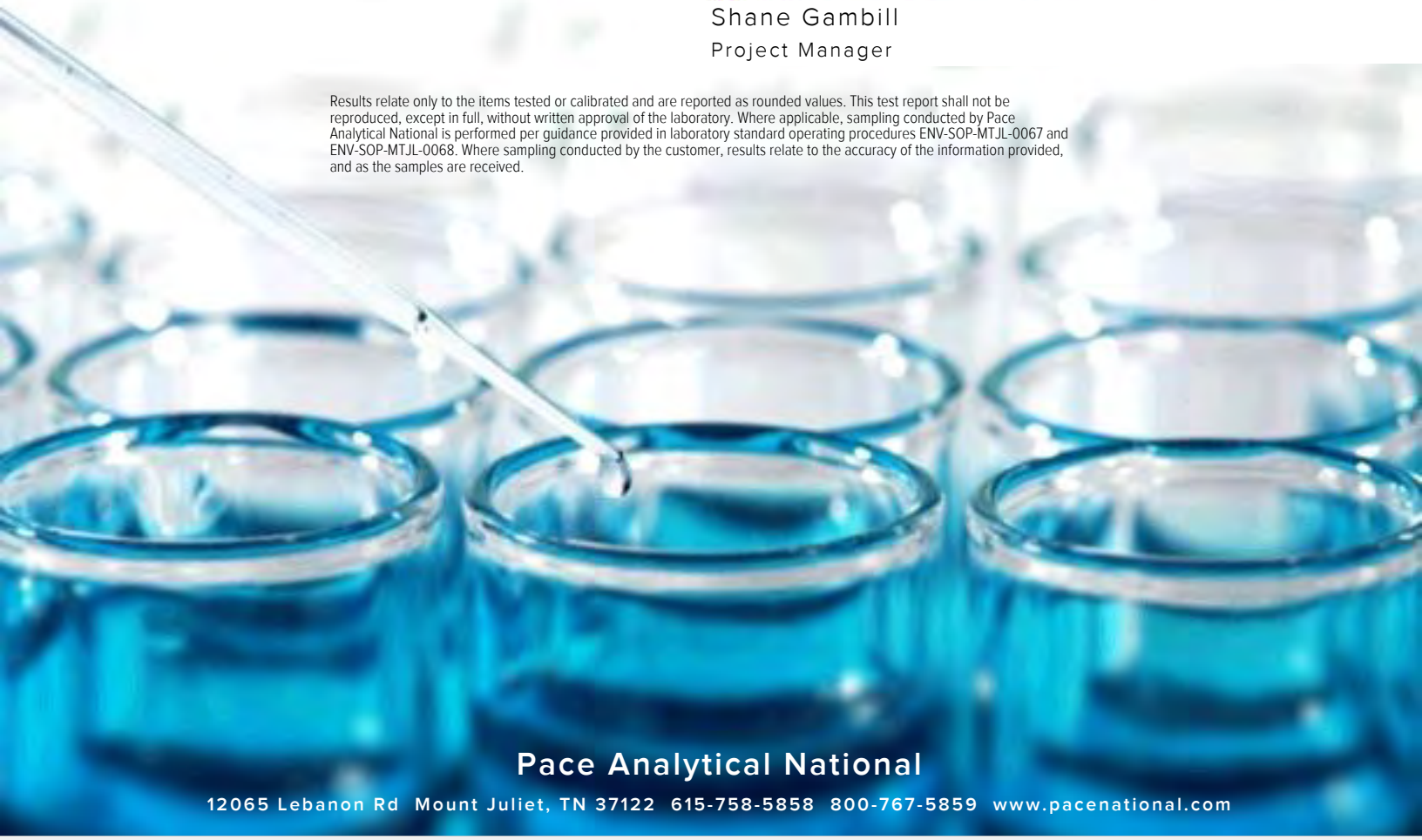
Sample Delivery Group:	L1698236
Samples Received:	01/24/2024
Project Number:	032692
Description:	

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Shane Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0121MC001 L1698236-01 Air

Collected by: CR | Collected date/time: 01/22/24 10:44 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2212085	1	01/24/24 11:26	01/24/24 11:26	DAH	Mt. Juliet, TN

MTWA0121MC002 L1698236-02 Air

Collected by: CR | Collected date/time: 01/22/24 11:00 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2212085	1	01/24/24 11:57	01/24/24 11:57	DAH	Mt. Juliet, TN

MTWA0121MC002CL L1698236-03 Air

Collected by: CR | Collected date/time: 01/22/24 11:00 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2212085	1	01/24/24 12:28	01/24/24 12:28	DAH	Mt. Juliet, TN

MTWA0121MC003 L1698236-04 Air

Collected by: CR | Collected date/time: 01/22/24 11:14 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2212085	1	01/24/24 12:58	01/24/24 12:58	DAH	Mt. Juliet, TN

MTWA0121MC004 L1698236-05 Air

Collected by: CR | Collected date/time: 01/22/24 11:24 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2212085	1	01/24/24 13:30	01/24/24 13:30	DAH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2212085	L1698236-04	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2212085	Ethanol	L1698236-03, 05

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0121MC001	L1698236-01	Acetone	67-64-1	58.10	1.25	2.97	16.0	38.0		1	WG2212085
MTWA0121MC001	L1698236-01	Benzene	71-43-2	78.10	0.200	0.639	0.547	1.75		1	WG2212085
MTWA0121MC001	L1698236-01	Butane	106-97-8	58	0.200	0.474	2.70	6.40		1	WG2212085
MTWA0121MC001	L1698236-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.205	0.706		1	WG2212085
MTWA0121MC001	L1698236-01	Ethanol	64-17-5	46.10	2.50	4.71	22.8	43.0		1	WG2212085
MTWA0121MC001	L1698236-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.387	1.91		1	WG2212085
MTWA0121MC001	L1698236-01	Heptane	142-82-5	100	0.200	0.818	0.312	1.28		1	WG2212085
MTWA0121MC001	L1698236-01	Pentane	109-66-0	72.15	0.200	0.590	6.52	19.2		1	WG2212085
MTWA0121MC001	L1698236-01	2-Propanol	67-63-0	60.10	1.25	3.07	7.59	18.7		1	WG2212085
MTWA0121MC001	L1698236-01	Toluene	108-88-3	92.10	0.500	1.88	4.71	17.7		1	WG2212085
MTWA0121MC001	L1698236-01	2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.291	1.36		1	WG2212085
MTWA0121MC001	L1698236-01	m&p-Xylene	179601-23-1	106	0.400	1.73	0.431	1.87		1	WG2212085
MTWA0121MC001	L1698236-01	o-Xylene	95-47-6	106	0.200	0.867	0.225	0.975		1	WG2212085
MTWA0121MC002	L1698236-02	Acetone	67-64-1	58.10	1.25	2.97	5.29	12.6		1	WG2212085
MTWA0121MC002	L1698236-02	Butane	106-97-8	58	0.200	0.474	0.467	1.11		1	WG2212085
MTWA0121MC002	L1698236-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.588	1.21		1	WG2212085
MTWA0121MC002	L1698236-02	Ethanol	64-17-5	46.10	2.50	4.71	6.10	11.5		1	WG2212085
MTWA0121MC002	L1698236-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2212085
MTWA0121MC002	L1698236-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.455	2.25		1	WG2212085
MTWA0121MC002	L1698236-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.294	1.02		1	WG2212085
MTWA0121MC002CL	L1698236-03	Acetone	67-64-1	58.10	1.25	2.97	5.55	13.2		1	WG2212085
MTWA0121MC002CL	L1698236-03	Butane	106-97-8	58	0.200	0.474	0.325	0.771		1	WG2212085
MTWA0121MC002CL	L1698236-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.531	1.10		1	WG2212085
MTWA0121MC002CL	L1698236-03	Ethanol	64-17-5	46.10	2.50	4.71	4.05	7.64	B	1	WG2212085
MTWA0121MC002CL	L1698236-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.224	1.26		1	WG2212085
MTWA0121MC002CL	L1698236-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.440	2.18		1	WG2212085
MTWA0121MC003	L1698236-04	Acetone	67-64-1	58.10	1.25	2.97	7.64	18.2		1	WG2212085
MTWA0121MC003	L1698236-04	Butane	106-97-8	58	0.200	0.474	2.30	5.46		1	WG2212085
MTWA0121MC003	L1698236-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.529	1.09		1	WG2212085
MTWA0121MC003	L1698236-04	Ethanol	64-17-5	46.10	2.50	4.71	383	722	E	1	WG2212085
MTWA0121MC003	L1698236-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2212085
MTWA0121MC003	L1698236-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.396	1.96		1	WG2212085
MTWA0121MC003	L1698236-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.514	1.78		1	WG2212085
MTWA0121MC003	L1698236-04	Pentane	109-66-0	72.15	0.200	0.590	1.78	5.25		1	WG2212085
MTWA0121MC003	L1698236-04	2-Propanol	67-63-0	60.10	1.25	3.07	25.5	62.7		1	WG2212085
MTWA0121MC003	L1698236-04	Toluene	108-88-3	92.10	0.500	1.88	0.596	2.25		1	WG2212085
MTWA0121MC004	L1698236-05	Acetone	67-64-1	58.10	1.25	2.97	4.99	11.9		1	WG2212085
MTWA0121MC004	L1698236-05	Butane	106-97-8	58	0.200	0.474	0.322	0.764		1	WG2212085
MTWA0121MC004	L1698236-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.581	1.20		1	WG2212085
MTWA0121MC004	L1698236-05	Ethanol	64-17-5	46.10	2.50	4.71	3.98	7.50	B	1	WG2212085
MTWA0121MC004	L1698236-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2212085
MTWA0121MC004	L1698236-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.468	2.31		1	WG2212085
MTWA0121MC004	L1698236-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG2212085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	16.0	38.0		1	WG2212085
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2212085
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2212085
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2212085
Benzene	71-43-2	78.10	0.200	0.639	0.547	1.75		1	WG2212085
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2212085
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2212085
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2212085
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2212085
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2212085
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2212085
Butane	106-97-8	58	0.200	0.474	2.70	6.40		1	WG2212085
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2212085
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2212085
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2212085
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2212085
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2212085
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2212085
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2212085
Cyclohexane	110-82-7	84.20	0.200	0.689	0.205	0.706		1	WG2212085
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2212085
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2212085
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2212085
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2212085
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2212085
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2212085
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2212085
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2212085
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2212085
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2212085
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2212085
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2212085
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2212085
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2212085
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2212085
Ethanol	64-17-5	46.10	2.50	4.71	22.8	43.0		1	WG2212085
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2212085
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2212085
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2212085
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.387	1.91		1	WG2212085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2212085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2212085
Heptane	142-82-5	100	0.200	0.818	0.312	1.28		1	WG2212085
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2212085
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2212085
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2212085
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2212085
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2212085
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2212085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2212085
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2212085
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2212085
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2212085
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2212085
Pentane	109-66-0	72.15	0.200	0.590	6.52	19.2		1	WG2212085
2-Propanol	67-63-0	60.10	1.25	3.07	7.59	18.7		1	WG2212085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2212085
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2212085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2212085
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2212085
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2212085
Toluene	108-88-3	92.10	0.500	1.88	4.71	17.7		1	WG2212085
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2212085
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2212085
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2212085
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2212085
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2212085
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2212085
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.291	1.36		1	WG2212085
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2212085
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2212085
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2212085
m&p-Xylene	179601-23-1	106	0.400	1.73	0.431	1.87		1	WG2212085
o-Xylene	95-47-6	106	0.200	0.867	0.225	0.975		1	WG2212085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.9*				WG2212085

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.29	12.6		1	WG2212085
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2212085
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2212085
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2212085
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2212085
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2212085
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2212085
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2212085
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2212085
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2212085
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2212085
Butane	106-97-8	58	0.200	0.474	0.467	1.11		1	WG2212085
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2212085
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2212085
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2212085
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2212085
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2212085
Chloromethane	74-87-3	50.50	0.200	0.413	0.588	1.21		1	WG2212085
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2212085
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2212085
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2212085
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2212085
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2212085
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2212085
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2212085
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2212085
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2212085
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2212085
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2212085
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2212085
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2212085
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2212085
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2212085
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2212085
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2212085
Ethanol	64-17-5	46.10	2.50	4.71	6.10	11.5		1	WG2212085
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2212085
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2212085
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2212085
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.455	2.25		1	WG2212085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2212085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2212085
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2212085
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2212085
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2212085
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2212085
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.294	1.02		1	WG2212085
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2212085
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2212085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2212085
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2212085
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2212085
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2212085
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2212085
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2212085
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2212085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2212085
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2212085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2212085
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2212085
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2212085
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2212085
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2212085
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2212085
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2212085
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2212085
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2212085
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2212085
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2212085
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2212085
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2212085
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2212085
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2212085
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2212085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.9*				WG2212085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.55	13.2		1	WG2212085
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2212085
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2212085
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2212085
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2212085
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2212085
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2212085
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2212085
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2212085
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2212085
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2212085
Butane	106-97-8	58	0.200	0.474	0.325	0.771		1	WG2212085
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2212085
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2212085
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2212085
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2212085
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2212085
Chloromethane	74-87-3	50.50	0.200	0.413	0.531	1.10		1	WG2212085
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2212085
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2212085
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2212085
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2212085
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2212085
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2212085
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2212085
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2212085
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2212085
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2212085
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2212085
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2212085
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2212085
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2212085
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2212085
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2212085
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2212085
Ethanol	64-17-5	46.10	2.50	4.71	4.05	7.64	B	1	WG2212085
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2212085
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2212085
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.224	1.26		1	WG2212085
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.440	2.18		1	WG2212085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2212085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2212085
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2212085
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2212085
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2212085
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2212085
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2212085
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2212085
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2212085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2212085
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2212085
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2212085
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2212085
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2212085
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2212085
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2212085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2212085
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2212085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2212085
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2212085
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2212085
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2212085
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2212085
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2212085
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2212085
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2212085
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2212085
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2212085
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2212085
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2212085
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2212085
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2212085
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2212085
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2212085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*88.4*				WG2212085

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.64	18.2		1	WG2212085
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2212085
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2212085
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2212085
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2212085
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2212085
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2212085
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2212085
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2212085
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2212085
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2212085
Butane	106-97-8	58	0.200	0.474	2.30	5.46		1	WG2212085
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2212085
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2212085
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2212085
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2212085
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2212085
Chloromethane	74-87-3	50.50	0.200	0.413	0.529	1.09		1	WG2212085
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2212085
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2212085
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2212085
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2212085
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2212085
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2212085
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2212085
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2212085
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2212085
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2212085
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2212085
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2212085
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2212085
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2212085
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2212085
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2212085
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2212085
Ethanol	64-17-5	46.10	2.50	4.71	383	722	E	1	WG2212085
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2212085
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2212085
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2212085
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.396	1.96		1	WG2212085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2212085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2212085
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2212085
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2212085
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2212085
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2212085
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.514	1.78		1	WG2212085
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2212085
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2212085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2212085
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2212085
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2212085
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2212085
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2212085
Pentane	109-66-0	72.15	0.200	0.590	1.78	5.25		1	WG2212085
2-Propanol	67-63-0	60.10	1.25	3.07	25.5	62.7		1	WG2212085

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2212085
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2212085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2212085
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2212085
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2212085
Toluene	108-88-3	92.10	0.500	1.88	0.596	2.25		1	WG2212085
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2212085
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2212085
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2212085
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2212085
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2212085
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2212085
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2212085
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2212085
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2212085
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2212085
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2212085
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2212085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.3*				WG2212085

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.99	11.9		1	WG2212085
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2212085
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2212085
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2212085
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2212085
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2212085
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2212085
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2212085
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2212085
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2212085
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2212085
Butane	106-97-8	58	0.200	0.474	0.322	0.764		1	WG2212085
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2212085
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2212085
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2212085
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2212085
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2212085
Chloromethane	74-87-3	50.50	0.200	0.413	0.581	1.20		1	WG2212085
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2212085
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2212085
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2212085
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2212085
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2212085
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2212085
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2212085
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2212085
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2212085
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2212085
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2212085
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2212085
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2212085
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2212085
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2212085
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2212085
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2212085
Ethanol	64-17-5	46.10	2.50	4.71	3.98	7.50	B	1	WG2212085
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2212085
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2212085
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG2212085
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.468	2.31		1	WG2212085
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2212085
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2212085
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2212085
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2212085
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2212085
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2212085
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG2212085
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2212085
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2212085
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2212085
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2212085
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2212085
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2212085
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2212085
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2212085
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2212085

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2212085
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2212085
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2212085
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2212085
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2212085
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2212085
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2212085
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2212085
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2212085
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2212085
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2212085
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2212085
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2212085
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2212085
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2212085
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2212085
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2212085
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2212085
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.6*				WG2212085

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4025769-3 01/24/24 10:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.425	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4025769-3 01/24/24 10:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*93.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025769-1 01/24/24 09:23 • (LCSD) R4025769-2 01/24/24 09:55

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.80	3.87	101	103	70.0-130			1.83	25
Acetonitrile	18.8	18.8	19.8	100	105	70.0-130			5.18	25
Acrylonitrile	3.75	3.84	4.06	102	108	70.0-130			5.57	25
Allyl chloride	3.75	3.62	3.66	96.5	97.6	70.0-130			1.10	25
Benzene	3.75	3.76	3.83	100	102	70.0-130			1.84	25
Benzyl Chloride	3.75	3.67	3.97	97.9	106	70.0-152			7.85	25
Bromodichloromethane	3.75	3.67	3.83	97.9	102	70.0-130			4.27	25
Bromoform	3.75	3.84	3.87	102	103	70.0-130			0.778	25
Bromomethane	3.75	3.68	3.71	98.1	98.9	70.0-130			0.812	25
Bromoethane	3.75	3.72	3.82	99.2	102	70.0-130			2.65	25
1,3-Butadiene	3.75	3.78	3.98	101	106	70.0-130			5.15	25
Butane	3.75	3.65	3.80	97.3	101	70.0-130			4.03	25
Carbon disulfide	3.75	3.72	3.88	99.2	103	70.0-130			4.21	25
Carbon tetrachloride	3.75	3.69	3.86	98.4	103	70.0-130			4.50	25
Chlorobenzene	3.75	3.72	3.75	99.2	100	70.0-130			0.803	25
Chloroethane	3.75	3.71	3.88	98.9	103	70.0-130			4.48	25
Chloroform	3.75	3.82	3.92	102	105	70.0-130			2.58	25
Chloromethane	3.75	3.82	3.99	102	106	70.0-130			4.35	25
2-Chlorotoluene	3.75	3.75	3.95	100	105	70.0-130			5.19	25
Cyclohexane	3.75	3.74	3.80	99.7	101	70.0-130			1.59	25
n-Decane	3.75	3.84	4.18	102	111	70.0-130			8.48	25
Dibromochloromethane	3.75	3.83	3.89	102	104	70.0-130			1.55	25
1,2-Dibromoethane	3.75	3.69	3.87	98.4	103	70.0-130			4.76	25
1,2-Dichlorobenzene	3.75	3.67	3.79	97.9	101	70.0-130			3.22	25
1,3-Dichlorobenzene	3.75	3.79	3.88	101	103	70.0-130			2.35	25
1,4-Dichlorobenzene	3.75	3.66	3.77	97.6	101	70.0-130			2.96	25
1,2-Dichloroethane	3.75	3.72	3.97	99.2	106	70.0-130			6.50	25
1,1-Dichloroethane	3.75	3.81	3.80	102	101	70.0-130			0.263	25
1,1-Dichloroethene	3.75	3.70	3.85	98.7	103	70.0-130			3.97	25
cis-1,2-Dichloroethene	3.75	3.72	3.89	99.2	104	70.0-130			4.47	25
trans-1,2-Dichloroethene	3.75	3.66	3.84	97.6	102	70.0-130			4.80	25
1,2-Dichloropropane	3.75	3.62	3.78	96.5	101	70.0-130			4.32	25
cis-1,3-Dichloropropene	3.75	3.19	3.16	85.1	84.3	70.0-130			0.945	25
trans-1,3-Dichloropropene	3.75	3.68	3.69	98.1	98.4	70.0-130			0.271	25
1,4-Dioxane	3.75	3.14	3.28	83.7	87.5	70.0-140			4.36	25
Ethanol	3.75	3.53	3.56	94.1	94.9	55.0-148			0.846	25
Ethylbenzene	3.75	3.81	4.05	102	108	70.0-130			6.11	25
4-Ethyltoluene	3.75	3.89	4.11	104	110	70.0-130			5.50	25
Trichlorofluoromethane	3.75	3.77	3.85	101	103	70.0-130			2.10	25
Dichlorodifluoromethane	3.75	3.80	3.84	101	102	64.0-139			1.05	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4025769-1 01/24/24 09:23 • (LCSD) R4025769-2 01/24/24 09:55

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.75	3.84	100	102	70.0-130			2.37	25
1,2-Dichlorotetrafluoroethane	3.75	3.74	3.91	99.7	104	70.0-130			4.44	25
Heptane	3.75	3.81	3.94	102	105	70.0-130			3.35	25
Hexachloro-1,3-butadiene	3.75	3.46	3.57	92.3	95.2	70.0-151			3.13	25
n-Hexane	3.75	3.67	3.73	97.9	99.5	70.0-130			1.62	25
Isopropylbenzene	3.75	3.78	4.05	101	108	70.0-130			6.90	25
Methylene Chloride	3.75	3.75	3.92	100	105	70.0-130			4.43	25
Methyl Butyl Ketone	3.75	3.79	4.01	101	107	70.0-149			5.64	25
2-Butanone (MEK)	3.75	3.55	3.86	94.7	103	70.0-130			8.37	25
4-Methyl-2-pentanone (MIBK)	3.75	3.45	3.64	92.0	97.1	70.0-139			5.36	25
Methyl methacrylate	3.75	3.62	3.87	96.5	103	70.0-130			6.68	25
MTBE	3.75	3.76	3.83	100	102	70.0-130			1.84	25
Naphthalene	3.75	4.43	4.61	118	123	70.0-159			3.98	25
Nonane	3.75	3.82	4.00	102	107	70.0-130			4.60	25
Pentane	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
2-Propanol	3.75	3.37	3.46	89.9	92.3	70.0-139			2.64	25
Propene	3.75	3.59	3.64	95.7	97.1	64.0-144			1.38	25
Styrene	3.75	3.83	4.01	102	107	70.0-130			4.59	25
1,1,2,2-Tetrachloroethane	3.75	3.76	4.01	100	107	70.0-130			6.44	25
Tetrachloroethylene	3.75	3.71	3.71	98.9	98.9	70.0-130			0.000	25
Tetrahydrofuran	3.75	3.72	3.83	99.2	102	70.0-137			2.91	25
Toluene	3.75	3.86	3.81	103	102	70.0-130			1.30	25
1,2,4-Trichlorobenzene	3.75	3.09	3.21	82.4	85.6	70.0-160			3.81	25
1,1,1-Trichloroethane	3.75	3.77	3.74	101	99.7	70.0-130			0.799	25
1,1,2-Trichloroethane	3.75	3.72	3.78	99.2	101	70.0-130			1.60	25
Trichloroethylene	3.75	3.73	3.84	99.5	102	70.0-130			2.91	25
1,2,4-Trimethylbenzene	3.75	3.87	4.05	103	108	70.0-130			4.55	25
1,3,5-Trimethylbenzene	3.75	3.98	4.04	106	108	70.0-130			1.50	25
2,2,4-Trimethylpentane	3.75	3.71	3.88	98.9	103	70.0-130			4.48	25
Vinyl chloride	3.75	3.82	3.87	102	103	70.0-130			1.30	25
Vinyl Bromide	3.75	3.78	3.92	101	105	70.0-130			3.64	25
Vinyl acetate	3.75	3.60	3.78	96.0	101	70.0-130			4.88	25
m&p-Xylene	7.50	7.77	8.30	104	111	70.0-130			6.60	25
o-Xylene	3.75	4.01	4.24	107	113	70.0-130			5.58	25
(S) 1,4-Bromofluorobenzene				*99.5*	*98.2*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

F007

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault; Michael McNilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to ctchay@montrose-env.com with Invoice # and Vendor

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ U698236

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0121MC001	010968	028604	1/21/24	1654	1/22/24	1044	-28	Ø	COC	X			01	A
MTWA0121MC002	011121	009505	1/21/24	1707	1/22/24	1100	-29	-8	COC	X			02	A
MTWA0121MC002CC	008131	009860	1/21/24	1707	1/22/24	1100	-29	-7	COC	X			03	A
MTWA0121MC003	010251	009863	1/21/24	1725	1/22/24	1114	-28	-9	COC	X			04	A
MTWA0121MC004	028055	009881	1/21/24	1735	1/22/24	1124	-28	-10	COC	X			05	A

Sample Receipt Checklist
COC Seal Present/Intact: ✓Y__N
COC Signed/Accurate: ✓Y__N
Bottles arrive intact: ✓Y__N
Correct bottles used: ✓Y__N
Airs Size: ___1L ___6L ✓1.4L
Tage Color: B✓ W__ P__ B__
Tubing ___ Shunt ___

T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	1/23/24 0830	Signature	1/23/24 0830	
Signature	1/23/24 1130	FEDEX	1/23/24 1130	
		Christopher L. Gallien	1/24/24 0800	cc'd 1/24/24 1000

SDG# MTWA0121MC

ANALYTICAL REPORT

January 29, 2024

CTEH - ER

Sample Delivery Group:	L1698397
Samples Received:	01/24/2024
Project Number:	032692
Description:	

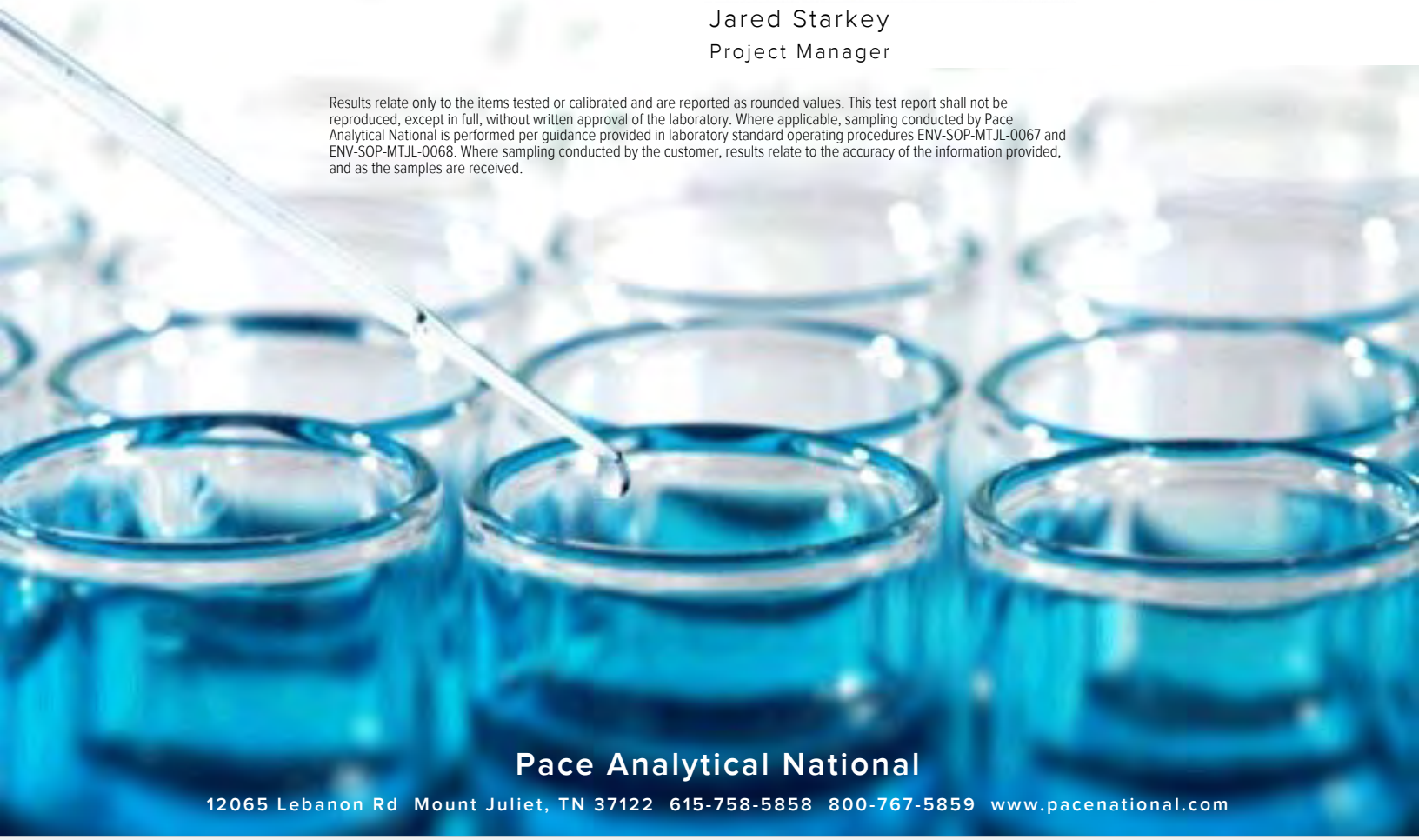
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0122MC001 L1698397-01 Air

Collected by: CR | Collected date/time: 01/23/24 04:55 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213075	1	01/25/24 12:00	01/25/24 12:00	GH	Mt. Juliet, TN

MTWA0122MC002 L1698397-02 Air

Collected by: CR | Collected date/time: 01/23/24 05:09 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213075	1	01/25/24 12:29	01/25/24 12:29	GH	Mt. Juliet, TN

MTWA0122MC003 L1698397-03 Air

Collected by: CR | Collected date/time: 01/23/24 05:18 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213075	1	01/25/24 12:58	01/25/24 12:58	GH	Mt. Juliet, TN

MTWA0122MC004 L1698397-04 Air

Collected by: CR | Collected date/time: 01/23/24 05:24 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213075	1	01/25/24 13:27	01/25/24 13:27	GH	Mt. Juliet, TN

MTWA0122MC004CL L1698397-05 Air

Collected by: CR | Collected date/time: 01/23/24 05:25 | Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213075	1	01/25/24 16:05	01/25/24 16:05	GH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0122MC001	L1698397-01	Acetone	67-64-1	58.10	1.25	2.97	3.14	7.46		1	WG2213075
MTWA0122MC001	L1698397-01	Butane	106-97-8	58	0.200	0.474	0.386	0.916		1	WG2213075
MTWA0122MC001	L1698397-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.391	0.808		1	WG2213075
MTWA0122MC001	L1698397-01	Ethanol	64-17-5	46.10	2.50	4.71	4.96	9.35		1	WG2213075
MTWA0122MC001	L1698397-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.336	1.66		1	WG2213075
MTWA0122MC002	L1698397-02	Acetone	67-64-1	58.10	1.25	2.97	4.30	10.2		1	WG2213075
MTWA0122MC002	L1698397-02	Butane	106-97-8	58	0.200	0.474	0.459	1.09		1	WG2213075
MTWA0122MC002	L1698397-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.404	0.834		1	WG2213075
MTWA0122MC002	L1698397-02	Ethanol	64-17-5	46.10	2.50	4.71	4.70	8.86		1	WG2213075
MTWA0122MC002	L1698397-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.382	1.89		1	WG2213075
MTWA0122MC002	L1698397-02	Pentane	109-66-0	72.15	0.200	0.590	0.234	0.691		1	WG2213075
MTWA0122MC002	L1698397-02	Tetrachloroethylene	127-18-4	166	0.200	1.36	0.277	1.88		1	WG2213075
MTWA0122MC002	L1698397-02	2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.726	3.39		1	WG2213075
MTWA0122MC003	L1698397-03	Acetone	67-64-1	58.10	1.25	2.97	4.94	11.7		1	WG2213075
MTWA0122MC003	L1698397-03	Butane	106-97-8	58	0.200	0.474	0.593	1.41		1	WG2213075
MTWA0122MC003	L1698397-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.495	1.02		1	WG2213075
MTWA0122MC003	L1698397-03	Ethanol	64-17-5	46.10	2.50	4.71	14.9	28.1		1	WG2213075
MTWA0122MC003	L1698397-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.210	1.18		1	WG2213075
MTWA0122MC003	L1698397-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.406	2.01		1	WG2213075
MTWA0122MC003	L1698397-03	Pentane	109-66-0	72.15	0.200	0.590	0.239	0.705		1	WG2213075
MTWA0122MC003	L1698397-03	Toluene	108-88-3	92.10	0.500	1.88	0.903	3.40		1	WG2213075
MTWA0122MC004	L1698397-04	Acetone	67-64-1	58.10	1.25	2.97	4.46	10.6		1	WG2213075
MTWA0122MC004	L1698397-04	Benzene	71-43-2	78.10	0.200	0.639	0.201	0.642		1	WG2213075
MTWA0122MC004	L1698397-04	Butane	106-97-8	58	0.200	0.474	0.346	0.821		1	WG2213075
MTWA0122MC004	L1698397-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.443	0.915		1	WG2213075
MTWA0122MC004	L1698397-04	Ethanol	64-17-5	46.10	2.50	4.71	8.01	15.1		1	WG2213075
MTWA0122MC004	L1698397-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.371	1.83		1	WG2213075
MTWA0122MC004	L1698397-04	Tetrachloroethylene	127-18-4	166	0.200	1.36	0.723	4.91		1	WG2213075
MTWA0122MC004	L1698397-04	Toluene	108-88-3	92.10	0.500	1.88	0.646	2.43		1	WG2213075
MTWA0122MC004CL	L1698397-05	Acetone	67-64-1	58.10	1.25	2.97	5.17	12.3		1	WG2213075
MTWA0122MC004CL	L1698397-05	Benzene	71-43-2	78.10	0.200	0.639	0.339	1.08		1	WG2213075
MTWA0122MC004CL	L1698397-05	Butane	106-97-8	58	0.200	0.474	0.756	1.79		1	WG2213075
MTWA0122MC004CL	L1698397-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.486	1.00		1	WG2213075
MTWA0122MC004CL	L1698397-05	Ethanol	64-17-5	46.10	2.50	4.71	12.7	23.9		1	WG2213075
MTWA0122MC004CL	L1698397-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2213075
MTWA0122MC004CL	L1698397-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.385	1.90		1	WG2213075
MTWA0122MC004CL	L1698397-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.248	0.861		1	WG2213075
MTWA0122MC004CL	L1698397-05	Pentane	109-66-0	72.15	0.200	0.590	0.242	0.714		1	WG2213075
MTWA0122MC004CL	L1698397-05	Tetrachloroethylene	127-18-4	166	0.200	1.36	0.205	1.39		1	WG2213075
MTWA0122MC004CL	L1698397-05	Toluene	108-88-3	92.10	0.500	1.88	1.64	6.18		1	WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.14	7.46		1	WG2213075
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213075
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213075
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213075
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213075
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213075
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213075
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213075
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213075
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213075
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213075
Butane	106-97-8	58	0.200	0.474	0.386	0.916		1	WG2213075
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213075
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213075
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213075
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213075
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213075
Chloromethane	74-87-3	50.50	0.200	0.413	0.391	0.808		1	WG2213075
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213075
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213075
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213075
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213075
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213075
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213075
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213075
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213075
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213075
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213075
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213075
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213075
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213075
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213075
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213075
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213075
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213075
Ethanol	64-17-5	46.10	2.50	4.71	4.96	9.35		1	WG2213075
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213075
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213075
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2213075
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.336	1.66		1	WG2213075
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213075
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213075
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213075
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213075
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213075
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213075
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2213075
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213075
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213075
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213075
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213075
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213075
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213075
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213075
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2213075
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213075
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213075
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213075
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213075
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213075
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213075
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213075
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213075
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213075
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213075
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213075
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213075
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213075
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213075
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213075
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213075
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213075
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213075
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.1*				WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.30	10.2		1	WG2213075
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213075
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213075
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213075
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213075
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213075
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213075
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213075
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213075
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213075
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213075
Butane	106-97-8	58	0.200	0.474	0.459	1.09		1	WG2213075
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213075
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213075
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213075
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213075
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213075
Chloromethane	74-87-3	50.50	0.200	0.413	0.404	0.834		1	WG2213075
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213075
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213075
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213075
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213075
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213075
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213075
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213075
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213075
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213075
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213075
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213075
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213075
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213075
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213075
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213075
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213075
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213075
Ethanol	64-17-5	46.10	2.50	4.71	4.70	8.86		1	WG2213075
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213075
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213075
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2213075
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.382	1.89		1	WG2213075
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213075
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213075
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213075
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213075
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213075
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213075
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2213075
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213075
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213075
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213075
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213075
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213075
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213075
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213075
Pentane	109-66-0	72.15	0.200	0.590	0.234	0.691		1	WG2213075
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213075
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213075
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213075
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.277	1.88		1	WG2213075
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213075
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213075
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213075
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213075
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213075
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213075
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213075
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213075
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.726	3.39		1	WG2213075
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213075
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213075
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213075
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213075
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213075
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.2*				WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.94	11.7		1	WG2213075
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213075
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213075
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213075
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213075
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213075
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213075
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213075
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213075
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213075
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213075
Butane	106-97-8	58	0.200	0.474	0.593	1.41		1	WG2213075
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213075
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213075
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213075
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213075
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213075
Chloromethane	74-87-3	50.50	0.200	0.413	0.495	1.02		1	WG2213075
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213075
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213075
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213075
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213075
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213075
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213075
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213075
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213075
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213075
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213075
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213075
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213075
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213075
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213075
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213075
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213075
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213075
Ethanol	64-17-5	46.10	2.50	4.71	14.9	28.1		1	WG2213075
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213075
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213075
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.210	1.18		1	WG2213075
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.406	2.01		1	WG2213075
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213075
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213075
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213075
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213075
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213075
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213075
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2213075
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213075
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213075
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213075
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213075
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213075
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213075
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213075
Pentane	109-66-0	72.15	0.200	0.590	0.239	0.705		1	WG2213075
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213075
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213075
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213075
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213075
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213075
Toluene	108-88-3	92.10	0.500	1.88	0.903	3.40		1	WG2213075
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213075
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213075
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213075
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213075
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213075
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213075
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213075
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213075
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213075
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213075
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213075
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213075
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.9*				WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.46	10.6		1	WG2213075
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213075
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213075
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213075
Benzene	71-43-2	78.10	0.200	0.639	0.201	0.642		1	WG2213075
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213075
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213075
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213075
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213075
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213075
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213075
Butane	106-97-8	58	0.200	0.474	0.346	0.821		1	WG2213075
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213075
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213075
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213075
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213075
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213075
Chloromethane	74-87-3	50.50	0.200	0.413	0.443	0.915		1	WG2213075
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213075
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213075
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213075
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213075
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213075
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213075
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213075
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213075
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213075
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213075
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213075
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213075
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213075
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213075
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213075
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213075
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213075
Ethanol	64-17-5	46.10	2.50	4.71	8.01	15.1		1	WG2213075
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213075
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213075
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2213075
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.371	1.83		1	WG2213075
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213075
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213075
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213075
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213075
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213075
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213075
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2213075
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213075
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213075
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213075
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213075
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213075
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213075
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213075
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2213075
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213075
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213075
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213075
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.723	4.91		1	WG2213075
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213075
Toluene	108-88-3	92.10	0.500	1.88	0.646	2.43		1	WG2213075
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213075
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213075
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213075
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213075
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213075
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213075
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213075
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213075
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213075
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213075
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213075
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213075
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.5*				WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.17	12.3		1	WG2213075
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213075
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213075
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213075
Benzene	71-43-2	78.10	0.200	0.639	0.339	1.08		1	WG2213075
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213075
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213075
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213075
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213075
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213075
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213075
Butane	106-97-8	58	0.200	0.474	0.756	1.79		1	WG2213075
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213075
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213075
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213075
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213075
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213075
Chloromethane	74-87-3	50.50	0.200	0.413	0.486	1.00		1	WG2213075
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213075
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213075
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213075
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213075
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213075
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213075
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213075
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213075
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213075
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213075
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213075
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213075
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213075
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213075
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213075
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213075
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213075
Ethanol	64-17-5	46.10	2.50	4.71	12.7	23.9		1	WG2213075
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213075
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213075
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2213075
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.385	1.90		1	WG2213075
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213075
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213075
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213075
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213075
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213075
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213075
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.248	0.861		1	WG2213075
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213075
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213075
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213075
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213075
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213075
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213075
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213075
Pentane	109-66-0	72.15	0.200	0.590	0.242	0.714		1	WG2213075
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213075

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213075
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213075
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213075
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.205	1.39		1	WG2213075
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213075
Toluene	108-88-3	92.10	0.500	1.88	1.64	6.18		1	WG2213075
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213075
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213075
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213075
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213075
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213075
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213075
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213075
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213075
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213075
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213075
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213075
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213075
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.8*				WG2213075

Method Blank (MB)

(MB) R4026674-2 01/25/24 09:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.462	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4026674-2 01/25/24 09:26

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*94.2*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026674-1 01/25/24 08:58 • (LCSD) R4026674-3 01/25/24 10:19

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.26	3.26	86.9	86.9	70.0-130			0.000	25
Acetonitrile	18.8	14.7	14.5	78.2	77.1	70.0-130			1.37	25
Acrylonitrile	3.75	3.03	2.96	80.8	78.9	70.0-130			2.34	25
Allyl chloride	3.75	2.85	2.86	76.0	76.3	70.0-130			0.350	25
Benzene	3.75	3.55	3.51	94.7	93.6	70.0-130			1.13	25
Benzyl Chloride	3.75	3.74	3.72	99.7	99.2	70.0-152			0.536	25
Bromodichloromethane	3.75	3.15	3.11	84.0	82.9	70.0-130			1.28	25
Bromoform	3.75	3.22	3.23	85.9	86.1	70.0-130			0.310	25
Bromomethane	3.75	3.45	3.30	92.0	88.0	70.0-130			4.44	25
Bromoethane	3.75	3.47	3.47	92.5	92.5	70.0-130			0.000	25
1,3-Butadiene	3.75	3.19	3.10	85.1	82.7	70.0-130			2.86	25
Butane	3.75	2.92	2.82	77.9	75.2	70.0-130			3.48	25
Carbon disulfide	3.75	3.04	3.04	81.1	81.1	70.0-130			0.000	25
Carbon tetrachloride	3.75	3.34	3.31	89.1	88.3	70.0-130			0.902	25
Chlorobenzene	3.75	3.75	3.68	100	98.1	70.0-130			1.88	25
Chloroethane	3.75	3.11	3.00	82.9	80.0	70.0-130			3.60	25
Chloroform	3.75	3.43	3.37	91.5	89.9	70.0-130			1.76	25
Chloromethane	3.75	2.82	2.81	75.2	74.9	70.0-130			0.355	25
2-Chlorotoluene	3.75	3.80	3.82	101	102	70.0-130			0.525	25
Cyclohexane	3.75	3.88	3.82	103	102	70.0-130			1.56	25
n-Decane	3.75	3.42	3.56	91.2	94.9	70.0-130			4.01	25
Dibromochloromethane	3.75	3.36	3.28	89.6	87.5	70.0-130			2.41	25
1,2-Dibromoethane	3.75	3.68	3.61	98.1	96.3	70.0-130			1.92	25
1,2-Dichlorobenzene	3.75	3.91	3.99	104	106	70.0-130			2.03	25
1,3-Dichlorobenzene	3.75	3.90	4.04	104	108	70.0-130			3.53	25
1,4-Dichlorobenzene	3.75	3.97	4.16	106	111	70.0-130			4.67	25
1,2-Dichloroethane	3.75	3.28	3.30	87.5	88.0	70.0-130			0.608	25
1,1-Dichloroethane	3.75	3.33	3.24	88.8	86.4	70.0-130			2.74	25
1,1-Dichloroethene	3.75	3.09	3.09	82.4	82.4	70.0-130			0.000	25
cis-1,2-Dichloroethene	3.75	3.45	3.51	92.0	93.6	70.0-130			1.72	25
trans-1,2-Dichloroethene	3.75	3.12	3.15	83.2	84.0	70.0-130			0.957	25
1,2-Dichloropropane	3.75	3.29	3.25	87.7	86.7	70.0-130			1.22	25
cis-1,3-Dichloropropene	3.75	3.63	3.56	96.8	94.9	70.0-130			1.95	25
trans-1,3-Dichloropropene	3.75	3.61	3.64	96.3	97.1	70.0-130			0.828	25
1,4-Dioxane	3.75	3.75	3.69	100	98.4	70.0-140			1.61	25
Ethanol	3.75	3.15	3.05	84.0	81.3	55.0-148			3.23	25
Ethylbenzene	3.75	3.86	3.86	103	103	70.0-130			0.000	25
4-Ethyltoluene	3.75	4.00	4.05	107	108	70.0-130			1.24	25
Trichlorofluoromethane	3.75	3.46	3.44	92.3	91.7	70.0-130			0.580	25
Dichlorodifluoromethane	3.75	3.22	3.18	85.9	84.8	64.0-139			1.25	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026674-1 01/25/24 08:58 • (LCSD) R4026674-3 01/25/24 10:19

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.42	3.38	91.2	90.1	70.0-130			1.18	25
1,2-Dichlorotetrafluoroethane	3.75	3.27	3.21	87.2	85.6	70.0-130			1.85	25
Heptane	3.75	3.36	3.36	89.6	89.6	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	3.69	3.94	98.4	105	70.0-151			6.55	25
n-Hexane	3.75	3.54	3.42	94.4	91.2	70.0-130			3.45	25
Isopropylbenzene	3.75	3.86	3.86	103	103	70.0-130			0.000	25
Methylene Chloride	3.75	2.85	2.88	76.0	76.8	70.0-130			1.05	25
Methyl Butyl Ketone	3.75	3.62	3.61	96.5	96.3	70.0-149			0.277	25
2-Butanone (MEK)	3.75	3.70	3.52	98.7	93.9	70.0-130			4.99	25
4-Methyl-2-pentanone (MIBK)	3.75	3.40	3.44	90.7	91.7	70.0-139			1.17	25
Methyl methacrylate	3.75	3.58	3.55	95.5	94.7	70.0-130			0.842	25
MTBE	3.75	3.84	3.77	102	101	70.0-130			1.84	25
Naphthalene	3.75	4.11	4.24	110	113	70.0-159			3.11	25
Nonane	3.75	3.52	3.63	93.9	96.8	70.0-130			3.08	25
Pentane	3.75	2.94	2.92	78.4	77.9	70.0-130			0.683	25
2-Propanol	3.75	3.30	3.21	88.0	85.6	70.0-139			2.76	25
Propene	3.75	3.63	3.42	96.8	91.2	64.0-144			5.96	25
Styrene	3.75	4.06	4.13	108	110	70.0-130			1.71	25
1,1,2,2-Tetrachloroethane	3.75	3.30	3.36	88.0	89.6	70.0-130			1.80	25
Tetrachloroethylene	3.75	4.06	3.96	108	106	70.0-130			2.49	25
Tetrahydrofuran	3.75	3.48	3.39	92.8	90.4	70.0-137			2.62	25
Toluene	3.75	3.81	3.77	102	101	70.0-130			1.06	25
1,2,4-Trichlorobenzene	3.75	4.35	4.61	116	123	70.0-160			5.80	25
1,1,1-Trichloroethane	3.75	3.51	3.42	93.6	91.2	70.0-130			2.60	25
1,1,2-Trichloroethane	3.75	3.57	3.52	95.2	93.9	70.0-130			1.41	25
Trichloroethylene	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
1,2,4-Trimethylbenzene	3.75	3.97	3.99	106	106	70.0-130			0.503	25
1,3,5-Trimethylbenzene	3.75	3.98	4.01	106	107	70.0-130			0.751	25
2,2,4-Trimethylpentane	3.75	3.59	3.50	95.7	93.3	70.0-130			2.54	25
Vinyl chloride	3.75	3.07	2.98	81.9	79.5	70.0-130			2.98	25
Vinyl Bromide	3.75	3.54	3.43	94.4	91.5	70.0-130			3.16	25
Vinyl acetate	3.75	3.27	3.12	87.2	83.2	70.0-130			4.69	25
m&p-Xylene	7.50	7.59	7.60	101	101	70.0-130			0.132	25
o-Xylene	3.75	3.85	3.85	103	103	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*98.7*	*97.7*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J037

CTEH
THE SCIENCE OF READY™

Send Report to	Andy Henault; Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to ctehap@montrose-env.com with Invoice # and Vendor

CTEH Project # 032692

Turnaround Requested: ☒ Normal ☐ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal: Dispose after 2X hold time ☒ ULP98397

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0122MC001	014082	024490	1/22/24	1049	1/23/24	0455	-29	-8	CR	X				A-01
MTWA0122MC002	012599	011685	1/22/24	1106	1/23/24	0509	-28	-8	CR	X				A-02
MTWA0122MC003	011187	029230	1/22/24	1118	1/23/24	0518	-29	-9	CR	X				A-03
MTWA0122MC004	028637	028236	1/22/24	1127	1/23/24	0524	-28	-6	CR	X				A-04
MTWA0122MC004D	028098	028745	1/22/24	1127	1/23/24	0525	-29	-10	CR	X				A-05

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 5 Airs 1L 6L 1.4L
Tage Color: G W P B
Tubing ___ Shunt ___
T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	1/23/24 0830	Lynell Watkins	1/23/24 0830	
Lynell Watkins	1/23/24 1130	FEDEX	1/23/24 1130	Jamcam 1-24-24 1000

SDG # MTWA0122MC

ANALYTICAL REPORT

January 26, 2024

CTEH - ER

Sample Delivery Group:	L1699063
Samples Received:	01/26/2024
Project Number:	032692
Description:	

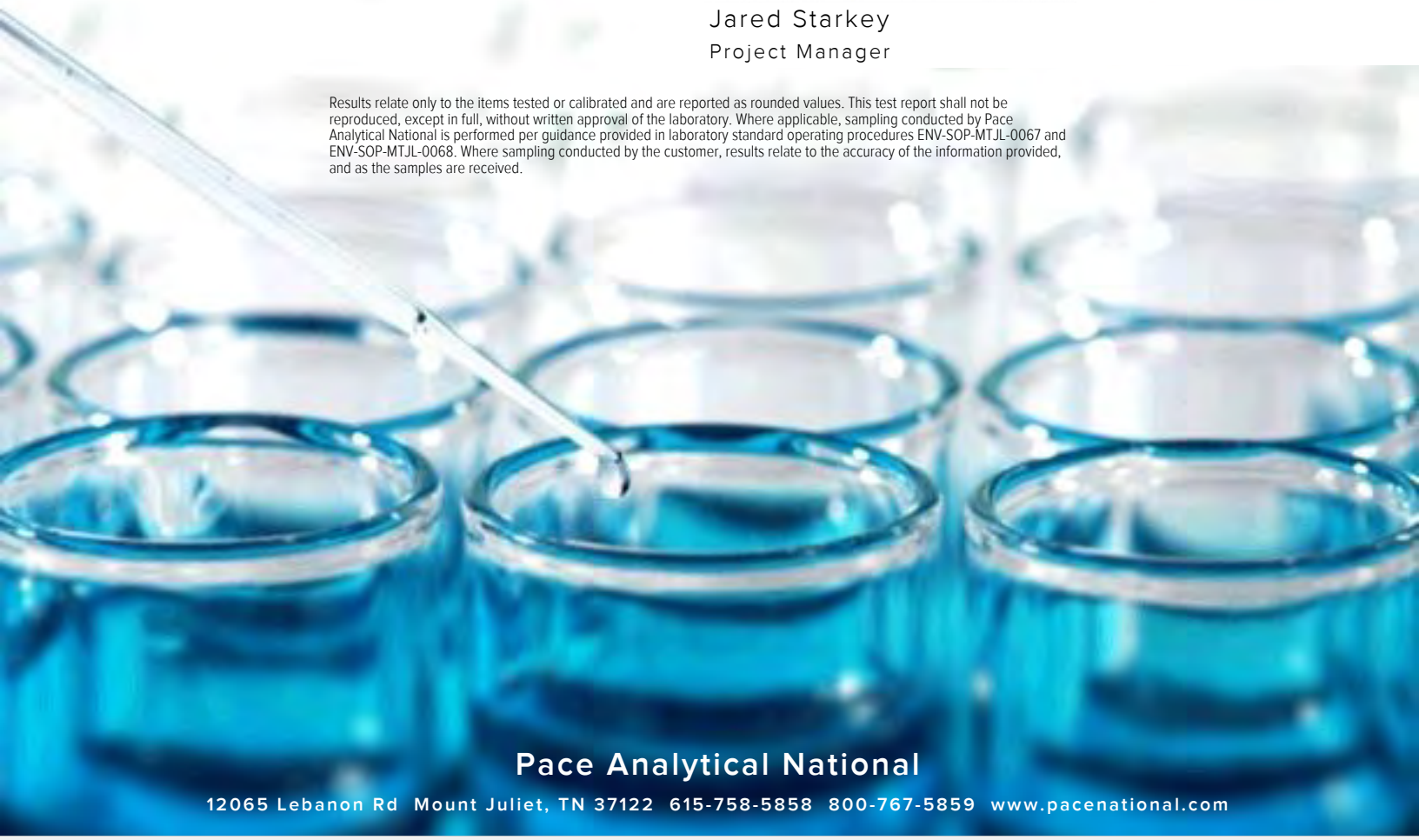
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0123MC001B L1699063-01 Air

Collected by	Collected date/time	Received date/time
	01/24/24 16:47	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 11:29	01/26/24 11:29	DAH	Mt. Juliet, TN

MTWA0123MC002B L1699063-02 Air

Collected by	Collected date/time	Received date/time
	01/24/24 17:26	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 12:00	01/26/24 12:00	DAH	Mt. Juliet, TN

MTWA0123MC003B L1699063-03 Air

Collected by	Collected date/time	Received date/time
	01/24/24 17:14	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 12:29	01/26/24 12:29	DAH	Mt. Juliet, TN

MTWA0123MC004B L1699063-04 Air

Collected by	Collected date/time	Received date/time
	01/24/24 17:26	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 12:58	01/26/24 12:58	DAH	Mt. Juliet, TN

MTWA0123MC001 L1699063-05 Air

Collected by	Collected date/time	Received date/time
	01/24/24 23:23	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 13:27	01/26/24 13:27	DAH	Mt. Juliet, TN

MTWA0123MC001CL L1699063-06 Air

Collected by	Collected date/time	Received date/time
	01/24/24 23:23	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 13:56	01/26/24 13:56	DAH	Mt. Juliet, TN

MTWA0123MC002 L1699063-07 Air

Collected by	Collected date/time	Received date/time
	01/24/24 23:35	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 14:25	01/26/24 14:25	DAH	Mt. Juliet, TN

MTWA0123MC003 L1699063-08 Air

Collected by	Collected date/time	Received date/time
	01/24/24 23:43	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 14:54	01/26/24 14:54	DAH	Mt. Juliet, TN

SAMPLE SUMMARY

MTWA0123MC004 L1699063-09 Air

Collected by	Collected date/time	Received date/time
	01/24/24 23:49	01/26/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 15:23	01/26/24 15:23	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0123MC001B	L1699063-01	Acetone	67-64-1	58.10	1.25	2.97	5.02	11.9		1	WG2213908
MTWA0123MC001B	L1699063-01	Butane	106-97-8	58	0.200	0.474	0.523	1.24		1	WG2213908
MTWA0123MC001B	L1699063-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.497	1.03		1	WG2213908
MTWA0123MC001B	L1699063-01	Ethanol	64-17-5	46.10	2.50	4.71	8.05	15.2		1	WG2213908
MTWA0123MC001B	L1699063-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.222	1.25		1	WG2213908
MTWA0123MC001B	L1699063-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.405	2.00		1	WG2213908
MTWA0123MC001B	L1699063-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.252	0.875		1	WG2213908
MTWA0123MC001B	L1699063-01	Pentane	109-66-0	72.15	0.200	0.590	0.211	0.623		1	WG2213908
MTWA0123MC002B	L1699063-02	Acetone	67-64-1	58.10	1.25	2.97	8.44	20.1		1	WG2213908
MTWA0123MC002B	L1699063-02	Butane	106-97-8	58	0.200	0.474	0.386	0.916		1	WG2213908
MTWA0123MC002B	L1699063-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2213908
MTWA0123MC002B	L1699063-02	Ethanol	64-17-5	46.10	2.50	4.71	13.4	25.3		1	WG2213908
MTWA0123MC002B	L1699063-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.217	1.22		1	WG2213908
MTWA0123MC002B	L1699063-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.436	2.16		1	WG2213908
MTWA0123MC002B	L1699063-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.234	0.813		1	WG2213908
MTWA0123MC003B	L1699063-03	Acetone	67-64-1	58.10	1.25	2.97	4.36	10.4		1	WG2213908
MTWA0123MC003B	L1699063-03	Butane	106-97-8	58	0.200	0.474	0.515	1.22		1	WG2213908
MTWA0123MC003B	L1699063-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2213908
MTWA0123MC003B	L1699063-03	Ethanol	64-17-5	46.10	2.50	4.71	35.3	66.6		1	WG2213908
MTWA0123MC003B	L1699063-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.217	1.22		1	WG2213908
MTWA0123MC003B	L1699063-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG2213908
MTWA0123MC003B	L1699063-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.276	0.958		1	WG2213908
MTWA0123MC003B	L1699063-03	Pentane	109-66-0	72.15	0.200	0.590	0.203	0.599		1	WG2213908
MTWA0123MC003B	L1699063-03	2-Propanol	67-63-0	60.10	1.25	3.07	2.16	5.31		1	WG2213908
MTWA0123MC004B	L1699063-04	Acetone	67-64-1	58.10	1.25	2.97	11.4	27.1		1	WG2213908
MTWA0123MC004B	L1699063-04	Benzene	71-43-2	78.10	0.200	0.639	0.498	1.59		1	WG2213908
MTWA0123MC004B	L1699063-04	Butane	106-97-8	58	0.200	0.474	0.884	2.10		1	WG2213908
MTWA0123MC004B	L1699063-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.819	1.69		1	WG2213908
MTWA0123MC004B	L1699063-04	Ethanol	64-17-5	46.10	2.50	4.71	27.6	52.0		1	WG2213908
MTWA0123MC004B	L1699063-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2213908
MTWA0123MC004B	L1699063-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.405	2.00		1	WG2213908
MTWA0123MC004B	L1699063-04	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.219	1.08		1	WG2213908
MTWA0123MC004B	L1699063-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.226	0.785		1	WG2213908
MTWA0123MC004B	L1699063-04	Pentane	109-66-0	72.15	0.200	0.590	0.272	0.803		1	WG2213908
MTWA0123MC004B	L1699063-04	Toluene	108-88-3	92.10	0.500	1.88	0.996	3.75		1	WG2213908
MTWA0123MC001	L1699063-05	Acetone	67-64-1	58.10	1.25	2.97	4.28	10.2		1	WG2213908
MTWA0123MC001	L1699063-05	Butane	106-97-8	58	0.200	0.474	0.790	1.87		1	WG2213908
MTWA0123MC001	L1699063-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.500	1.03		1	WG2213908
MTWA0123MC001	L1699063-05	Ethanol	64-17-5	46.10	2.50	4.71	15.9	30.0		1	WG2213908
MTWA0123MC001	L1699063-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206	1.16		1	WG2213908
MTWA0123MC001	L1699063-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.427	2.11		1	WG2213908
MTWA0123MC001	L1699063-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.281	0.976		1	WG2213908
MTWA0123MC001CL	L1699063-06	Acetone	67-64-1	58.10	1.25	2.97	3.26	7.75		1	WG2213908
MTWA0123MC001CL	L1699063-06	Butane	106-97-8	58	0.200	0.474	0.527	1.25		1	WG2213908
MTWA0123MC001CL	L1699063-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.496	1.02		1	WG2213908
MTWA0123MC001CL	L1699063-06	Ethanol	64-17-5	46.10	2.50	4.71	7.90	14.9		1	WG2213908
MTWA0123MC001CL	L1699063-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.201	1.13		1	WG2213908
MTWA0123MC001CL	L1699063-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.398	1.97		1	WG2213908
MTWA0123MC001CL	L1699063-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.360	1.25		1	WG2213908

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0123MC002	L1699063-07	Acetone	67-64-1	58.10	1.25	2.97	5.92	14.1		1	WG2213908
MTWA0123MC002	L1699063-07	Benzene	71-43-2	78.10	0.200	0.639	0.231	0.738		1	WG2213908
MTWA0123MC002	L1699063-07	Butane	106-97-8	58	0.200	0.474	0.599	1.42		1	WG2213908
MTWA0123MC002	L1699063-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.525	1.08		1	WG2213908
MTWA0123MC002	L1699063-07	Ethanol	64-17-5	46.10	2.50	4.71	14.4	27.2		1	WG2213908
MTWA0123MC002	L1699063-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.413	2.04		1	WG2213908
MTWA0123MC002	L1699063-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.288	1.00		1	WG2213908
MTWA0123MC002	L1699063-07	Pentane	109-66-0	72.15	0.200	0.590	0.211	0.623		1	WG2213908
MTWA0123MC002	L1699063-07	Toluene	108-88-3	92.10	0.500	1.88	0.842	3.17		1	WG2213908
MTWA0123MC003	L1699063-08	Acetone	67-64-1	58.10	1.25	2.97	10.0	23.8		1	WG2213908
MTWA0123MC003	L1699063-08	Benzene	71-43-2	78.10	0.200	0.639	0.202	0.645		1	WG2213908
MTWA0123MC003	L1699063-08	Butane	106-97-8	58	0.200	0.474	0.638	1.51		1	WG2213908
MTWA0123MC003	L1699063-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.518	1.07		1	WG2213908
MTWA0123MC003	L1699063-08	Ethanol	64-17-5	46.10	2.50	4.71	19.1	36.0		1	WG2213908
MTWA0123MC003	L1699063-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.425	2.10		1	WG2213908
MTWA0123MC003	L1699063-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.330	1.15		1	WG2213908
MTWA0123MC003	L1699063-08	Pentane	109-66-0	72.15	0.200	0.590	0.222	0.655		1	WG2213908
MTWA0123MC003	L1699063-08	2-Propanol	67-63-0	60.10	1.25	3.07	1.74	4.28		1	WG2213908
MTWA0123MC003	L1699063-08	Toluene	108-88-3	92.10	0.500	1.88	0.570	2.15		1	WG2213908
MTWA0123MC004	L1699063-09	Acetone	67-64-1	58.10	1.25	2.97	5.51	13.1		1	WG2213908
MTWA0123MC004	L1699063-09	Butane	106-97-8	58	0.200	0.474	0.702	1.67		1	WG2213908
MTWA0123MC004	L1699063-09	Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2213908
MTWA0123MC004	L1699063-09	Ethanol	64-17-5	46.10	2.50	4.71	16.3	30.7		1	WG2213908
MTWA0123MC004	L1699063-09	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2213908
MTWA0123MC004	L1699063-09	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.418	2.07		1	WG2213908
MTWA0123MC004	L1699063-09	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.559	1.94		1	WG2213908
MTWA0123MC004	L1699063-09	Pentane	109-66-0	72.15	0.200	0.590	0.284	0.838		1	WG2213908
MTWA0123MC004	L1699063-09	Toluene	108-88-3	92.10	0.500	1.88	0.696	2.62		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.02	11.9		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.523	1.24		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.497	1.03		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	8.05	15.2		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.222	1.25		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.405	2.00		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.252	0.875		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	0.211	0.623		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.44	20.1		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.386	0.916		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	13.4	25.3		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.217	1.22		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.436	2.16		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.234	0.813		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.8*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.36	10.4		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.515	1.22		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	35.3	66.6		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.217	1.22		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.276	0.958		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	0.203	0.599		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	2.16	5.31		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.3*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.4	27.1		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	0.498	1.59		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.884	2.10		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.819	1.69		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	27.6	52.0		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.405	2.00		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.219	1.08		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.226	0.785		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	0.272	0.803		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	0.996	3.75		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.7*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.28	10.2		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.790	1.87		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.500	1.03		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	15.9	30.0		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206	1.16		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.427	2.11		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.281	0.976		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.0*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.26	7.75		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.527	1.25		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.496	1.02		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	7.90	14.9		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.201	1.13		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.398	1.97		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.360	1.25		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.7*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.92	14.1		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	0.231	0.738		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.599	1.42		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.525	1.08		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	14.4	27.2		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.413	2.04		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.288	1.00		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	0.211	0.623		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	0.842	3.17		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.3*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	10.0	23.8		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	0.202	0.645		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.638	1.51		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.518	1.07		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	19.1	36.0		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.425	2.10		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.330	1.15		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	0.222	0.655		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	1.74	4.28		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	0.570	2.15		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.5*				WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.51	13.1		1	WG2213908
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2213908
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Butane	106-97-8	58	0.200	0.474	0.702	1.67		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	16.3	30.7		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.418	2.07		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.559	1.94		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2213908
Pentane	109-66-0	72.15	0.200	0.590	0.284	0.838		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	0.696	2.62		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2213908
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.0*				WG2213908

Method Blank (MB)

(MB) R4026726-3 01/26/24 10:25

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.417	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4026726-3 01/26/24 10:25

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026726-1 01/26/24 09:27 • (LCSD) R4026726-2 01/26/24 09:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.67	3.73	97.9	99.5	70.0-130			1.62	25
Acetonitrile	18.8	16.9	17.3	89.9	92.0	70.0-130			2.34	25
Acrylonitrile	3.75	3.43	3.48	91.5	92.8	70.0-130			1.45	25
Allyl chloride	3.75	3.00	3.12	80.0	83.2	70.0-130			3.92	25
Benzene	3.75	3.71	3.81	98.9	102	70.0-130			2.66	25
Benzyl Chloride	3.75	3.85	3.84	103	102	70.0-152			0.260	25
Bromodichloromethane	3.75	3.43	3.46	91.5	92.3	70.0-130			0.871	25
Bromoform	3.75	3.48	3.51	92.8	93.6	70.0-130			0.858	25
Bromomethane	3.75	3.61	3.66	96.3	97.6	70.0-130			1.38	25
Bromoethane	3.75	3.52	3.64	93.9	97.1	70.0-130			3.35	25
1,3-Butadiene	3.75	3.60	3.69	96.0	98.4	70.0-130			2.47	25
Butane	3.75	3.35	3.41	89.3	90.9	70.0-130			1.78	25
Carbon disulfide	3.75	3.07	3.12	81.9	83.2	70.0-130			1.62	25
Carbon tetrachloride	3.75	3.55	3.61	94.7	96.3	70.0-130			1.68	25
Chlorobenzene	3.75	3.80	3.82	101	102	70.0-130			0.525	25
Chloroethane	3.75	3.44	3.48	91.7	92.8	70.0-130			1.16	25
Chloroform	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
Chloromethane	3.75	3.29	3.35	87.7	89.3	70.0-130			1.81	25
2-Chlorotoluene	3.75	4.03	4.05	107	108	70.0-130			0.495	25
Cyclohexane	3.75	4.01	4.08	107	109	70.0-130			1.73	25
n-Decane	3.75	4.01	4.06	107	108	70.0-130			1.24	25
Dibromochloromethane	3.75	3.55	3.56	94.7	94.9	70.0-130			0.281	25
1,2-Dibromoethane	3.75	3.80	3.90	101	104	70.0-130			2.60	25
1,2-Dichlorobenzene	3.75	4.02	4.09	107	109	70.0-130			1.73	25
1,3-Dichlorobenzene	3.75	4.07	4.12	109	110	70.0-130			1.22	25
1,4-Dichlorobenzene	3.75	4.18	4.22	111	113	70.0-130			0.952	25
1,2-Dichloroethane	3.75	3.59	3.60	95.7	96.0	70.0-130			0.278	25
1,1-Dichloroethane	3.75	3.62	3.67	96.5	97.9	70.0-130			1.37	25
1,1-Dichloroethene	3.75	3.28	3.33	87.5	88.8	70.0-130			1.51	25
cis-1,2-Dichloroethene	3.75	3.75	3.78	100	101	70.0-130			0.797	25
trans-1,2-Dichloroethene	3.75	3.19	3.17	85.1	84.5	70.0-130			0.629	25
1,2-Dichloropropane	3.75	3.55	3.64	94.7	97.1	70.0-130			2.50	25
cis-1,3-Dichloropropene	3.75	3.76	3.81	100	102	70.0-130			1.32	25
trans-1,3-Dichloropropene	3.75	3.83	3.85	102	103	70.0-130			0.521	25
1,4-Dioxane	3.75	4.04	4.02	108	107	70.0-140			0.496	25
Ethanol	3.75	3.52	3.46	93.9	92.3	55.0-148			1.72	25
Ethylbenzene	3.75	4.01	4.09	107	109	70.0-130			1.98	25
4-Ethyltoluene	3.75	4.20	4.26	112	114	70.0-130			1.42	25
Trichlorofluoromethane	3.75	3.61	3.67	96.3	97.9	70.0-130			1.65	25
Dichlorodifluoromethane	3.75	3.46	3.50	92.3	93.3	64.0-139			1.15	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026726-1 01/26/24 09:27 • (LCSD) R4026726-2 01/26/24 09:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.36	3.46	89.6	92.3	70.0-130			2.93	25
1,2-Dichlorotetrafluoroethane	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
Heptane	3.75	3.77	3.72	101	99.2	70.0-130			1.34	25
Hexachloro-1,3-butadiene	3.75	3.93	3.85	105	103	70.0-151			2.06	25
n-Hexane	3.75	3.84	3.92	102	105	70.0-130			2.06	25
Isopropylbenzene	3.75	4.03	4.10	107	109	70.0-130			1.72	25
Methylene Chloride	3.75	3.11	3.15	82.9	84.0	70.0-130			1.28	25
Methyl Butyl Ketone	3.75	3.95	4.02	105	107	70.0-149			1.76	25
2-Butanone (MEK)	3.75	3.93	3.96	105	106	70.0-130			0.760	25
4-Methyl-2-pentanone (MIBK)	3.75	3.79	3.82	101	102	70.0-139			0.788	25
Methyl methacrylate	3.75	3.83	3.92	102	105	70.0-130			2.32	25
MTBE	3.75	4.10	4.15	109	111	70.0-130			1.21	25
Naphthalene	3.75	4.26	4.25	114	113	70.0-159			0.235	25
Nonane	3.75	4.01	4.05	107	108	70.0-130			0.993	25
Pentane	3.75	3.34	3.39	89.1	90.4	70.0-130			1.49	25
2-Propanol	3.75	3.68	3.74	98.1	99.7	70.0-139			1.62	25
Propene	3.75	3.81	3.81	102	102	64.0-144			0.000	25
Styrene	3.75	4.23	4.32	113	115	70.0-130			2.11	25
1,1,2,2-Tetrachloroethane	3.75	3.65	3.67	97.3	97.9	70.0-130			0.546	25
Tetrachloroethylene	3.75	3.88	3.90	103	104	70.0-130			0.514	25
Tetrahydrofuran	3.75	3.82	3.95	102	105	70.0-137			3.35	25
Toluene	3.75	3.93	3.99	105	106	70.0-130			1.52	25
1,2,4-Trichlorobenzene	3.75	4.47	4.42	119	118	70.0-160			1.12	25
1,1,1-Trichloroethane	3.75	3.66	3.72	97.6	99.2	70.0-130			1.63	25
1,1,2-Trichloroethane	3.75	3.72	3.75	99.2	100	70.0-130			0.803	25
Trichloroethylene	3.75	3.74	3.75	99.7	100	70.0-130			0.267	25
1,2,4-Trimethylbenzene	3.75	4.16	4.20	111	112	70.0-130			0.957	25
1,3,5-Trimethylbenzene	3.75	4.15	4.23	111	113	70.0-130			1.91	25
2,2,4-Trimethylpentane	3.75	3.86	3.93	103	105	70.0-130			1.80	25
Vinyl chloride	3.75	3.47	3.51	92.5	93.6	70.0-130			1.15	25
Vinyl Bromide	3.75	3.63	3.70	96.8	98.7	70.0-130			1.91	25
Vinyl acetate	3.75	3.58	3.61	95.5	96.3	70.0-130			0.834	25
m&p-Xylene	7.50	8.00	8.12	107	108	70.0-130			1.49	25
o-Xylene	3.75	4.06	4.11	108	110	70.0-130			1.22	25
(S) 1,4-Bromofluorobenzene				*99.4*	*98.9*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALY

Sample Receipt Checklist

COC Seal Present/Intact:	X Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

E148

CTEH Project # PROJ- 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒ L16990623

Send Report to	Andy Henault; Michael Reilly
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com; ahenault@cteh.com; mreilly@cteh.com
Accounting	Send invoices to ctehap@montrose-env.com with invoice & vendor

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWAØ123MCØØ1B	13285	Ø11633	1/23/24	23:26	1/24/24	16:47	-30	-12	AW	✓	A -01
MTWAØ123MCØØ2B	Ø28ØØ1	Ø11725	1/23/24	23:34	1/24/24	17:26	-29	-9	AW	✓	A -02
MTWAØ123MCØØ3B	Ø28ØØ6	Ø1Ø182	1/23/24	23:44	1/24/24	17:14	-28	-9	AW	✓	A -03
MTWAØ123MCØØ4B	Ø12232	Ø292Ø8	1/23/24	2351	1/24/24	17:26	-28	-6	AW	✓	A -04
MTWAØ123MCØØ1	ØØ9959	ØØ95Ø8	1/23/24	04:57	1/23/24	23:23	-29	-8	AW	✓	A -05
MTWAØ123MCØØ1CL	Ø13298	Ø1Ø273	1/23/24	04:59	1/23/24	23:23	-29	-6	AW	✓	A -06
MTWAØ123MCØØ2	Ø15395	Ø28234	1/23/24	05:11	1/23/24	23:35	-29	-6	AW	✓	A -07
MTWAØ123MCØØ3	Ø12494	Ø15703	1/23/24	05:20	1/23/24	23:43	-29	-7	AW	✓	A -08
MTWAØ123MCØØ4	Ø12849	Ø157Ø8	1/23/24	05:26	1/23/24	23:49	-29	-9	AW	✓	A -09

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Nathan	1/25/24/1400	ARW FedEx	1/25/24/1100	1/26/24 0930 cont=9
	1/25/24/1100	FedEx	1/25/24/1100	

SDG # MTWAØ123MC

2702 1504 2706

ANALYTICAL REPORT

January 29, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

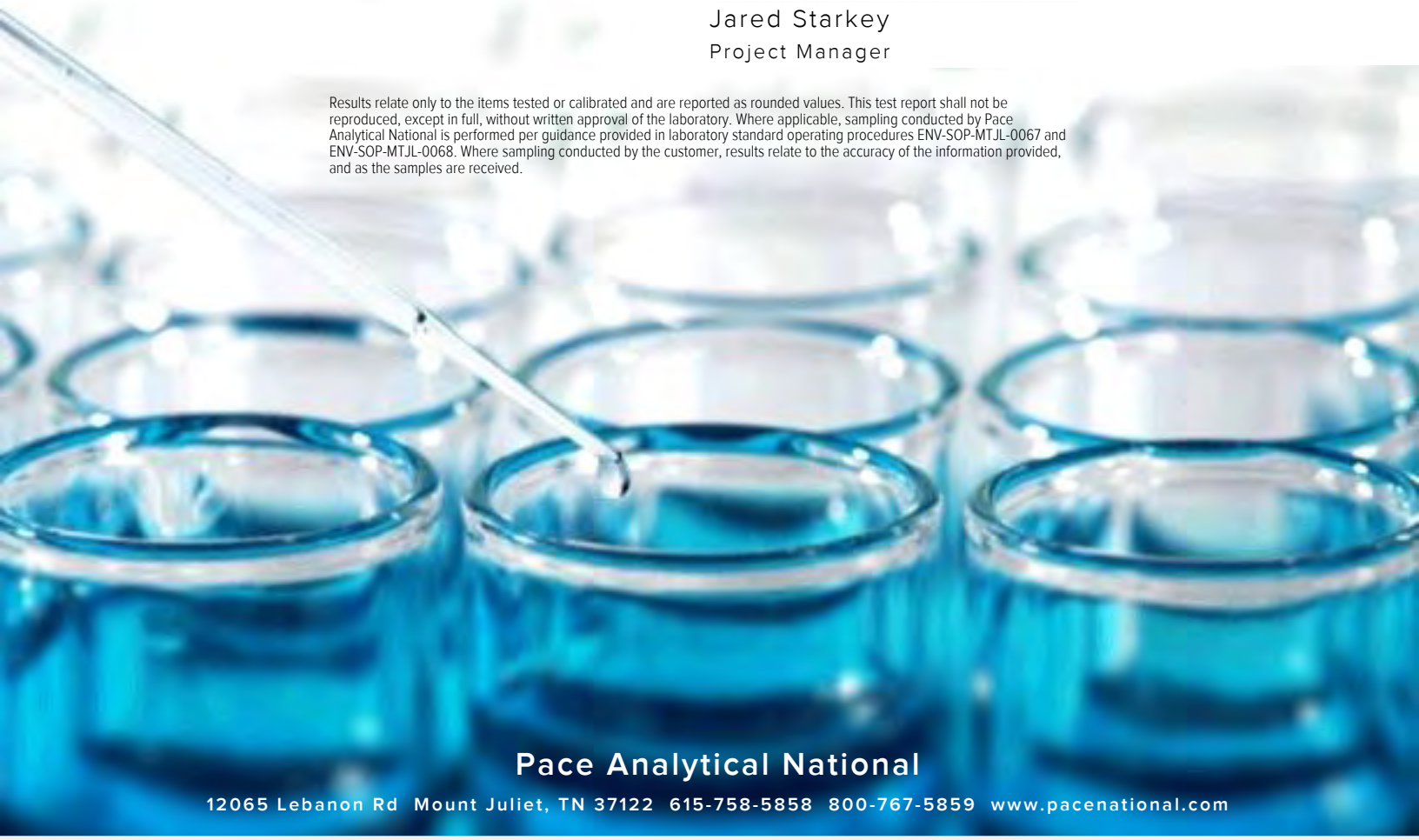
CTEH - ER

Sample Delivery Group:	L1699097
Samples Received:	01/05/2024
Project Number:	032692
Description:	BP Washington
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0104SB025 L1699097-01 Waste

Collected by: Ernie Shirley | Collected date/time: 01/04/24 12:05 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2214185	1	01/26/24 16:03	01/26/24 16:03	WC	Mt. Juliet, TN
Mercury by Method 7470A	WG2214519	1	01/27/24 10:39	01/28/24 10:47	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2214605	1	01/28/24 08:03	01/28/24 12:21	DJS	Mt. Juliet, TN

MTWA0104SB026 L1699097-02 Waste

Collected by: Ernie Shirley | Collected date/time: 01/04/24 12:10 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2214185	1	01/26/24 16:03	01/26/24 16:03	WC	Mt. Juliet, TN
Mercury by Method 7470A	WG2214519	1	01/27/24 10:39	01/28/24 10:49	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2214605	1	01/28/24 08:03	01/28/24 12:30	DJS	Mt. Juliet, TN

MTWA0104SB027 L1699097-03 Waste

Collected by: Ernie Shirley | Collected date/time: 01/04/24 12:15 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2214185	1	01/26/24 16:03	01/26/24 16:03	WC	Mt. Juliet, TN
Mercury by Method 7470A	WG2214519	1	01/27/24 10:39	01/28/24 10:51	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2214605	1	01/28/24 08:03	01/28/24 12:33	DJS	Mt. Juliet, TN

MTWA0104SB016 L1699097-04 Waste

Collected by: Ernie Shirley | Collected date/time: 01/04/24 09:50 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2214185	1	01/26/24 16:03	01/26/24 16:03	WC	Mt. Juliet, TN
Mercury by Method 7470A	WG2214519	1	01/27/24 10:39	01/28/24 10:54	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2214605	1	01/28/24 08:03	01/28/24 12:36	DJS	Mt. Juliet, TN

MTWA0104SB017 L1699097-05 Waste

Collected by: Ernie Shirley | Collected date/time: 01/04/24 10:15 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2214185	1	01/26/24 16:03	01/26/24 16:03	WC	Mt. Juliet, TN
Mercury by Method 7470A	WG2214519	1	01/27/24 10:39	01/28/24 11:01	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2214605	1	01/28/24 08:03	01/28/24 12:39	DJS	Mt. Juliet, TN

MTWA0104SB015 L1699097-06 Waste

Collected by: Ernie Shirley | Collected date/time: 01/04/24 09:45 | Received date/time: 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2214185	1	01/26/24 16:03	01/26/24 16:03	WC	Mt. Juliet, TN
Mercury by Method 7470A	WG2214519	1	01/27/24 10:39	01/28/24 11:03	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2214605	1	01/28/24 08:03	01/28/24 12:42	DJS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
MTWA0104SB025	L1699097-01	Barium	0.499		0.100	100	1	01/28/2024 12:21	WG2214605
MTWA0104SB026	L1699097-02	Barium	0.255		0.100	100	1	01/28/2024 12:30	WG2214605
MTWA0104SB027	L1699097-03	Barium	0.151		0.100	100	1	01/28/2024 12:33	WG2214605
MTWA0104SB016	L1699097-04	Barium	0.618		0.100	100	1	01/28/2024 12:36	WG2214605
MTWA0104SB017	L1699097-05	Barium	0.115		0.100	100	1	01/28/2024 12:39	WG2214605
MTWA0104SB015	L1699097-06	Barium	0.592		0.100	100	1	01/28/2024 12:42	WG2214605

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/26/2024 4:03:04 PM	WG2214185
Initial pH	6.05		1/26/2024 4:03:04 PM	WG2214185
Final pH	4.93		1/26/2024 4:03:04 PM	WG2214185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	ND		0.0100	0.20	1	01/28/2024 10:47	WG2214519

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	ND		0.100	5	1	01/28/2024 12:21	WG2214605
Barium	0.499		0.100	100	1	01/28/2024 12:21	WG2214605
Cadmium	ND		0.100	1	1	01/28/2024 12:21	WG2214605
Chromium	ND		0.100	5	1	01/28/2024 12:21	WG2214605
Lead	ND		0.100	5	1	01/28/2024 12:21	WG2214605
Selenium	ND		0.100	1	1	01/28/2024 12:21	WG2214605
Silver	ND		0.100	5	1	01/28/2024 12:21	WG2214605

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/26/2024 4:03:04 PM	WG2214185
Initial pH	5.59		1/26/2024 4:03:04 PM	WG2214185
Final pH	4.89		1/26/2024 4:03:04 PM	WG2214185

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	01/28/2024 10:49	WG2214519

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	01/28/2024 12:30	WG2214605
Barium	0.255		0.100	100	1	01/28/2024 12:30	WG2214605
Cadmium	ND		0.100	1	1	01/28/2024 12:30	WG2214605
Chromium	ND		0.100	5	1	01/28/2024 12:30	WG2214605
Lead	ND		0.100	5	1	01/28/2024 12:30	WG2214605
Selenium	ND		0.100	1	1	01/28/2024 12:30	WG2214605
Silver	ND		0.100	5	1	01/28/2024 12:30	WG2214605

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/26/2024 4:03:04 PM	WG2214185
Initial pH	6.78		1/26/2024 4:03:04 PM	WG2214185
Final pH	5.01		1/26/2024 4:03:04 PM	WG2214185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	ND		0.0100	0.20	1	01/28/2024 10:51	WG2214519

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	ND		0.100	5	1	01/28/2024 12:33	WG2214605
Barium	0.151		0.100	100	1	01/28/2024 12:33	WG2214605
Cadmium	ND		0.100	1	1	01/28/2024 12:33	WG2214605
Chromium	ND		0.100	5	1	01/28/2024 12:33	WG2214605
Lead	ND		0.100	5	1	01/28/2024 12:33	WG2214605
Selenium	ND		0.100	1	1	01/28/2024 12:33	WG2214605
Silver	ND		0.100	5	1	01/28/2024 12:33	WG2214605

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/26/2024 4:03:04 PM	WG2214185
Initial pH	5.22		1/26/2024 4:03:04 PM	WG2214185
Final pH	4.93		1/26/2024 4:03:04 PM	WG2214185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	ND		0.0100	0.20	1	01/28/2024 10:54	WG2214519

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	ND		0.100	5	1	01/28/2024 12:36	WG2214605
Barium	0.618		0.100	100	1	01/28/2024 12:36	WG2214605
Cadmium	ND		0.100	1	1	01/28/2024 12:36	WG2214605
Chromium	ND		0.100	5	1	01/28/2024 12:36	WG2214605
Lead	ND		0.100	5	1	01/28/2024 12:36	WG2214605
Selenium	ND		0.100	1	1	01/28/2024 12:36	WG2214605
Silver	ND		0.100	5	1	01/28/2024 12:36	WG2214605

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/26/2024 4:03:04 PM	WG2214185
Initial pH	5.27		1/26/2024 4:03:04 PM	WG2214185
Final pH	4.96		1/26/2024 4:03:04 PM	WG2214185

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	01/28/2024 11:01	WG2214519

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	01/28/2024 12:39	WG2214605
Barium	0.115		0.100	100	1	01/28/2024 12:39	WG2214605
Cadmium	ND		0.100	1	1	01/28/2024 12:39	WG2214605
Chromium	ND		0.100	5	1	01/28/2024 12:39	WG2214605
Lead	ND		0.100	5	1	01/28/2024 12:39	WG2214605
Selenium	ND		0.100	1	1	01/28/2024 12:39	WG2214605
Silver	ND		0.100	5	1	01/28/2024 12:39	WG2214605

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/26/2024 4:03:04 PM	WG2214185
Initial pH	5.18		1/26/2024 4:03:04 PM	WG2214185
Final pH	4.95		1/26/2024 4:03:04 PM	WG2214185

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	01/28/2024 11:03	WG2214519

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	01/28/2024 12:42	WG2214605
Barium	0.592		0.100	100	1	01/28/2024 12:42	WG2214605
Cadmium	ND		0.100	1	1	01/28/2024 12:42	WG2214605
Chromium	ND		0.100	5	1	01/28/2024 12:42	WG2214605
Lead	ND		0.100	5	1	01/28/2024 12:42	WG2214605
Selenium	ND		0.100	1	1	01/28/2024 12:42	WG2214605
Silver	ND		0.100	5	1	01/28/2024 12:42	WG2214605

QUALITY CONTROL SUMMARY

L1699097-01,02,03,04,05,06

Method Blank (MB)

(MB) R4026986-1 01/28/24 10:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R4026986-2 01/28/24 10:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0334	111	80.0-120	

L1699058-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699058-02 01/28/24 10:39 • (MS) R4026986-3 01/28/24 10:42 • (MSD) R4026986-4 01/28/24 10:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0314	0.0338	105	113	1	75.0-125			7.49	20

Method Blank (MB)

(MB) R4027017-1 01/28/24 11:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0333	0.100
Barium	U		0.0333	0.100
Cadmium	U		0.0333	0.100
Chromium	U		0.0333	0.100
Lead	U		0.0333	0.100
Selenium	0.0406	J	0.0333	0.100
Silver	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R4027017-2 01/28/24 11:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	10.0	9.57	95.7	80.0-120	
Barium	10.0	9.74	97.4	80.0-120	
Cadmium	10.0	9.25	92.5	80.0-120	
Chromium	10.0	9.96	99.6	80.0-120	
Lead	10.0	9.28	92.8	80.0-120	
Selenium	10.0	9.58	95.8	80.0-120	
Silver	2.00	1.88	93.8	80.0-120	

L1697480-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1697480-01 01/28/24 12:00 • (MS) R4027017-4 01/28/24 12:06 • (MSD) R4027017-5 01/28/24 12:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	9.68	9.65	96.8	96.5	1	75.0-125			0.401	20
Barium	10.0	0.145	9.86	9.85	97.2	97.0	1	75.0-125			0.170	20
Cadmium	10.0	ND	9.40	9.38	94.0	93.8	1	75.0-125			0.210	20
Chromium	10.0	0.339	10.1	10.1	97.9	98.0	1	75.0-125			0.0881	20
Lead	10.0	ND	9.36	9.34	93.6	93.4	1	75.0-125			0.184	20
Selenium	10.0	ND	9.66	9.68	96.6	96.8	1	75.0-125			0.216	20
Silver	2.00	ND	1.86	1.86	92.9	93.2	1	75.0-125			0.244	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
CTEH - ER
5120 North Shore Drive
North Little Rock, AR 72118

Billing Information:
Accounts Payable
10700 Prairie Lakes Drive
Eden Prairie, MN 55344

Pres Chk

Report to: CTEH

Email To: labresults@cteh.com;eshirly@cteh.com;ahenaul

Project Description: DP Washington

City/State Collected:

Please Circle: (PT) MT CT ET

Phone: 501-801-8500

Client Project # 032692

Lab Project # CTEHER-032692

Collected by (print): Ernie Shirley Joe Shirley

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
X Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: ASAP

No. of Cntrs

Analysis / Containers / Preservative

NWTPHGX 40ml Amb/MeOH 10ml/Syr
8260 70 MT ISM 4oz Cl-NoPres
TS 4oz Cl- NoPres
V8260BTEX 40ml Amb/MeOH 10ml/Syr
NWTPH-DX 4oz Cl-NoPres

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time							
MTWA01Ø4TØØ3	Grab	SS	-	1-4-24	1200		X	-	-	X	-	-09
MTWA01Ø4TØØ4	Grab	SS	-	1-4-24	1200		-	-	-	X	-	-10
MTWA01Ø4SBØ2Ø	Grab	SS	-	1-4-24	1043	3	X	X	X	X	X	-11
MTWA01Ø4SBØ23	Grab	SS	-	1-4-24	1145	3	X	X	X	X	X	-12
MTWA01Ø4SBØ19	Grab	SS	-	1-4-24	1040	3	X	-	X	X	X	-13
MTWA01Ø4SBØ18	Grab	SS	-	1-4-24	1028	3	X	-	X	X	X	-14
MTWA01Ø4GTØØ2	Grab	SS	-	1-4-24	1010	3	X	-	X	X	X	-15
MTWA01Ø4SBØ25	Grab	SS	-	1-4-24	1205	3	X	-	X	X	X	-16 -01
MTWA01Ø4SBØ26	Grab	SS	-	1-4-24	1210	3	X	-	X	X	X	-17 -02
MTWA01Ø4SBØ24	Grab	SS	-	1-4-24	1150	3	X	-	X	X	X	-18

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier

Tracking # 7889 0475 5470

Relinquished by : (Signature) — Date: 01/04/24 — Time:
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received for lab by: (Signature) — Date: 1/5/24 — Time: 0900

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Temp: °C Bottles Received:
COAS 2.4 + 0 = 2.4 54

If preservation required by Login: Date/Time

Hold

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # ~~UL03391~~ — AV 1/26/24
J003
L1699097

Acctnum: CTEHER
Template: T243801
Prelogin: P1044575
PM: 546 : Jared Starkey
PB: 12/19/23 JS

Shipped Via:

Remarks | Sample # (lab only)

CTEH - ER

5120 North Shore Drive
North Little Rock, AR 72118

Billing Information:
Accounts Payable
10700 Prairie Lakes Drive
Eden Prairie, MN 55344

Pres Chk

Report to: CTEH

Email To: labresults@cteh.com,eshirly@cteh.com,ahenaul

Project Description: BP Washington

City/State Collected:

Please Circle: PT MT CT ET

Phone: 501-801-8500

Client Project # 032692

Lab Project # CTEHER-032692

Collected by (print): Emily Shirley / Joe Johnson

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
X Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: ASAP

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb/MeOH10ml/Syr	~~SW8270RAHSIM 4oz Clr-NoPres~~	TS 4oz Clr-NoPres	V8260BTEX 40mlAmb/MeOH10ml/Syr	NWTPH-DX 4oz Clr-NoPres	Remarks	Sample # (lab only)
MTWA01~~24~~04SB~~24~~SD	Grab	SS	–	1-4-24	1157	3	X	–	X	X	X		~~18~~ 16 -02
MTWA01~~24~~04SB~~24~~S	Grab	SS	–	1-4-24	~~1045~~ 1130	3	X	–	X	X	X		~~20~~ 19 -04
MTWA01~~24~~04SB021	Grab	SS	–	1-4-24	1050	3	X	–	X	X	X		~~19~~ -03
MTWA01~~24~~04SB027	Grab	SS	–	1-4-24	1215	3	X	–	X	X	X		~~10~~ -07
MTWA01~~24~~04SB016	Grab	SS	–	1-4-24	0950	3	X	–	X	X	X		~~1~~ -08
MTWA01~~24~~04SB017	Grab	SS	–	1-4-24	1015	3	X	–	X	X	X		~~22~~ -05
MTWA01~~24~~04SB015	Grab	SS	–	1-4-24	0945	3	X	–	X	X	X		~~23~~ -06
MTWA01~~24~~04SB022	Grab	SS	–	1-4-24	1140	3	X	–	X	X	X		~~14~~
MTWA01~~24~~04GT003	Grab	SS	–	1-4-24	1015	4	X	–	X	X	X		~~15~~
		SS			MB								

MB

MB

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

SDG # ~~L1693~~

Table # L1699097

Acctnum: CTEHER

Template: T243801

Prelogin: P1044575

PM: 546 - Jared Starkey

PB: 12/9/23

Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Samples returned via: __ UPS __ FedEx __ Courier

Tracking # 7889 0475 8470

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by: (Signature)	Date: 01/04/24	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: CCAB 2.4+0=2.4
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/5/24 Time: 0900

If preservation required by Login: Date/Time

Hold

Condition: NCF / OK

CTEHER TCLP Relogs - L1693391/L1693016

R0/R1

~~Please check to see if we have enough volume for TCLP metals in the following TS containers as soon as possible.~~

Please relog for TCLP Metals.

MTWA0104SB025 - L1693391-16
MTWA0104SB026 - L1693391-17
MTWA0104SB027 - L1693391-20
MTWA0104SB016 - L1693391-21
MTWA0104SB017 - L1693391-22
MTWA0104SB015 - L1693391-23

MTWA0102SB003 - L1693016-01
MTWA0102SB002 - L1693016-03
MTWA0102SB004 - L1693016-07
MTWA0102SB005 - L1693016-08
MTWA0102SB001 - L1693016-14

Time estimate: oh **Time spent:** oh

Members

JS Jared Starkey (responsible) CH Chris Herndon

Labels: B5

Comments

Rush Group *25 January 2024 19:10*

TS tubes are used and thrown away. We'll check the 4oz SVOC containers.
-MAD

Rush Group *25 January 2024 19:50*

All above 4oz SVOC containers are full.

CL

Jared Starkey *26 January 2024 09:23*

Thank you, please continue with re-logging process.

Andy Vann *26 January 2024 09:30*

Same SDG or separate? What due date?

Jared Starkey *26 January 2024 09:40*

Separate, R2 due Tuesday

ANALYTICAL REPORT

January 29, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

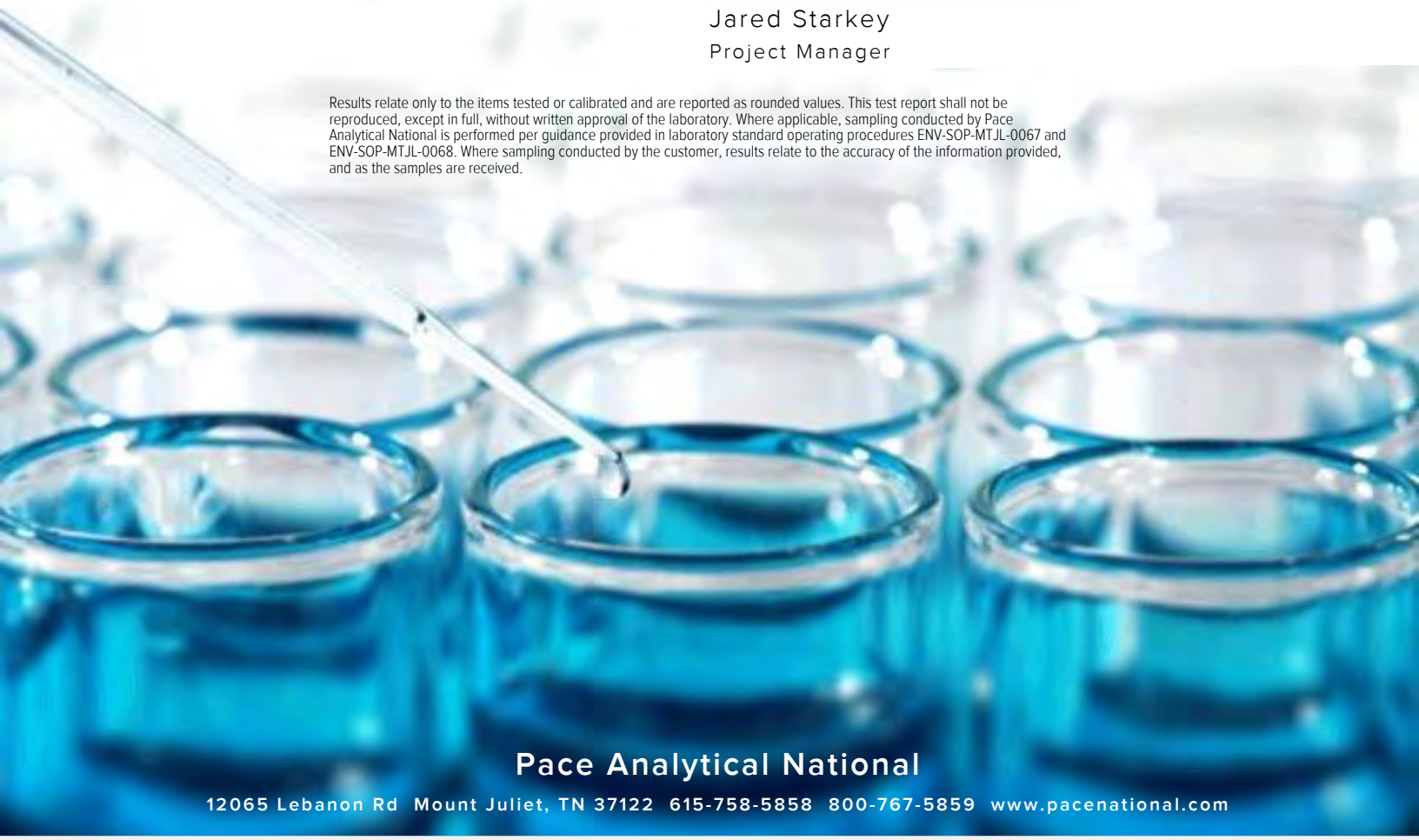
CTEH - ER

Sample Delivery Group:	L1699515
Samples Received:	01/27/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0124MC001 L1699515-01 Air

Collected by: AW | Collected date/time: 01/25/24 10:45 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 14:59	01/27/24 14:59	JAP	Mt. Juliet, TN

MTWA0124MC002 L1699515-02 Air

Collected by: AW | Collected date/time: 01/25/24 10:58 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 15:27	01/27/24 15:27	JAP	Mt. Juliet, TN

MTWA0124MC003 L1699515-03 Air

Collected by: AW | Collected date/time: 01/25/24 11:11 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 15:55	01/27/24 15:55	JAP	Mt. Juliet, TN

MTWA0124MC004 L1699515-04 Air

Collected by: AW | Collected date/time: 01/25/24 11:20 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 16:22	01/27/24 16:22	JAP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2214590	(LCSD) R4027359-2, L1699515-01, 02, 03, 04	Vinyl acetate

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0124MC001	L1699515-01	Acetone	67-64-1	58.10	1.25	2.97	3.02	7.18		1	WG2214590
MTWA0124MC001	L1699515-01	Butane	106-97-8	58	0.200	0.474	0.349	0.828		1	WG2214590
MTWA0124MC001	L1699515-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.514	1.06		1	WG2214590
MTWA0124MC001	L1699515-01	Ethanol	64-17-5	46.10	2.50	4.71	3.83	7.22		1	WG2214590
MTWA0124MC001	L1699515-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.201	1.13		1	WG2214590
MTWA0124MC001	L1699515-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.369	1.82		1	WG2214590
MTWA0124MC002	L1699515-02	Acetone	67-64-1	58.10	1.25	2.97	4.86	11.5		1	WG2214590
MTWA0124MC002	L1699515-02	Butane	106-97-8	58	0.200	0.474	0.670	1.59		1	WG2214590
MTWA0124MC002	L1699515-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.538	1.11		1	WG2214590
MTWA0124MC002	L1699515-02	Ethanol	64-17-5	46.10	2.50	4.71	8.98	16.9		1	WG2214590
MTWA0124MC002	L1699515-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.212	1.19		1	WG2214590
MTWA0124MC002	L1699515-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.385	1.90		1	WG2214590
MTWA0124MC002	L1699515-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.239	0.830		1	WG2214590
MTWA0124MC003	L1699515-03	Acetone	67-64-1	58.10	1.25	2.97	7.74	18.4		1	WG2214590
MTWA0124MC003	L1699515-03	Benzene	71-43-2	78.10	0.200	0.639	0.228	0.728		1	WG2214590
MTWA0124MC003	L1699515-03	Butane	106-97-8	58	0.200	0.474	1.45	3.44		1	WG2214590
MTWA0124MC003	L1699515-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.572	1.18		1	WG2214590
MTWA0124MC003	L1699515-03	Ethanol	64-17-5	46.10	2.50	4.71	46.6	87.9		1	WG2214590
MTWA0124MC003	L1699515-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2214590
MTWA0124MC003	L1699515-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.395	1.95		1	WG2214590
MTWA0124MC003	L1699515-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	1.28	4.44		1	WG2214590
MTWA0124MC003	L1699515-03	Pentane	109-66-0	72.15	0.200	0.590	1.26	3.72		1	WG2214590
MTWA0124MC003	L1699515-03	2-Propanol	67-63-0	60.10	1.25	3.07	4.49	11.0		1	WG2214590
MTWA0124MC003	L1699515-03	Toluene	108-88-3	92.10	0.500	1.88	1.03	3.88		1	WG2214590
MTWA0124MC004	L1699515-04	Acetone	67-64-1	58.10	1.25	2.97	8.41	20.0		1	WG2214590
MTWA0124MC004	L1699515-04	Benzene	71-43-2	78.10	0.200	0.639	0.641	2.05		1	WG2214590
MTWA0124MC004	L1699515-04	Butane	106-97-8	58	0.200	0.474	1.20	2.85		1	WG2214590
MTWA0124MC004	L1699515-04	Chloromethane	74-87-3	50.50	0.200	0.413	1.10	2.27		1	WG2214590
MTWA0124MC004	L1699515-04	Ethanol	64-17-5	46.10	2.50	4.71	35.5	66.9		1	WG2214590
MTWA0124MC004	L1699515-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.376	1.86		1	WG2214590
MTWA0124MC004	L1699515-04	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.228	1.12		1	WG2214590
MTWA0124MC004	L1699515-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.978	3.40		1	WG2214590
MTWA0124MC004	L1699515-04	Pentane	109-66-0	72.15	0.200	0.590	0.975	2.88		1	WG2214590
MTWA0124MC004	L1699515-04	2-Propanol	67-63-0	60.10	1.25	3.07	3.61	8.87		1	WG2214590
MTWA0124MC004	L1699515-04	Toluene	108-88-3	92.10	0.500	1.88	1.31	4.93		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.02	7.18		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	0.349	0.828		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	0.514	1.06		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	3.83	7.22		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.201	1.13		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.369	1.82		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.86	11.5		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	0.670	1.59		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	0.538	1.11		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	8.98	16.9		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.212	1.19		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.385	1.90		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.239	0.830		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.74	18.4		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	0.228	0.728		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	1.45	3.44		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	0.572	1.18		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	46.6	87.9		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.200	1.12		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.395	1.95		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.28	4.44		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	1.26	3.72		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	4.49	11.0		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	1.03	3.88		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*100*				WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.41	20.0		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	0.641	2.05		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	1.20	2.85		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	1.10	2.27		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	35.5	66.9		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.376	1.86		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.228	1.12		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.978	3.40		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	0.975	2.88		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	3.61	8.87		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	1.31	4.93		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG2214590

Method Blank (MB)

(MB) R4027359-3 01/27/24 11:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4027359-3 01/27/24 11:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*103*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027359-1 01/27/24 10:52 • (LCSD) R4027359-2 01/27/24 11:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.79	3.79	101	101	70.0-130			0.000	25
Acetonitrile	18.8	20.2	20.4	107	109	70.0-130			0.985	25
Acrylonitrile	3.75	3.86	3.89	103	104	70.0-130			0.774	25
Allyl chloride	3.75	3.93	4.05	105	108	70.0-130			3.01	25
Benzene	3.75	3.78	3.88	101	103	70.0-130			2.61	25
Benzyl Chloride	3.75	3.99	4.16	106	111	70.0-152			4.17	25
Bromodichloromethane	3.75	3.81	3.86	102	103	70.0-130			1.30	25
Bromoform	3.75	3.84	3.90	102	104	70.0-130			1.55	25
Bromomethane	3.75	3.76	3.80	100	101	70.0-130			1.06	25
Bromoethane	3.75	3.75	3.80	100	101	70.0-130			1.32	25
1,3-Butadiene	3.75	3.79	3.98	101	106	70.0-130			4.89	25
Butane	3.75	3.84	3.96	102	106	70.0-130			3.08	25
Carbon disulfide	3.75	3.85	3.95	103	105	70.0-130			2.56	25
Carbon tetrachloride	3.75	3.83	3.93	102	105	70.0-130			2.58	25
Chlorobenzene	3.75	3.74	3.84	99.7	102	70.0-130			2.64	25
Chloroethane	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Chloroform	3.75	3.90	3.94	104	105	70.0-130			1.02	25
Chloromethane	3.75	3.77	3.87	101	103	70.0-130			2.62	25
2-Chlorotoluene	3.75	3.86	4.02	103	107	70.0-130			4.06	25
Cyclohexane	3.75	3.83	3.85	102	103	70.0-130			0.521	25
n-Decane	3.75	4.21	4.32	112	115	70.0-130			2.58	25
Dibromochloromethane	3.75	3.90	3.95	104	105	70.0-130			1.27	25
1,2-Dibromoethane	3.75	3.82	3.93	102	105	70.0-130			2.84	25
1,2-Dichlorobenzene	3.75	3.87	3.97	103	106	70.0-130			2.55	25
1,3-Dichlorobenzene	3.75	3.97	4.06	106	108	70.0-130			2.24	25
1,4-Dichlorobenzene	3.75	4.04	3.97	108	106	70.0-130			1.75	25
1,2-Dichloroethane	3.75	3.85	3.95	103	105	70.0-130			2.56	25
1,1-Dichloroethane	3.75	3.82	3.96	102	106	70.0-130			3.60	25
1,1-Dichloroethene	3.75	3.90	3.96	104	106	70.0-130			1.53	25
cis-1,2-Dichloroethene	3.75	3.88	3.97	103	106	70.0-130			2.29	25
trans-1,2-Dichloroethene	3.75	3.40	3.44	90.7	91.7	70.0-130			1.17	25
1,2-Dichloropropane	3.75	3.82	3.85	102	103	70.0-130			0.782	25
cis-1,3-Dichloropropene	3.75	3.73	3.85	99.5	103	70.0-130			3.17	25
trans-1,3-Dichloropropene	3.75	3.77	3.82	101	102	70.0-130			1.32	25
1,4-Dioxane	3.75	4.30	4.42	115	118	70.0-140			2.75	25
Ethanol	3.75	3.65	3.82	97.3	102	55.0-148			4.55	25
Ethylbenzene	3.75	3.86	4.00	103	107	70.0-130			3.56	25
4-Ethyltoluene	3.75	3.95	4.03	105	107	70.0-130			2.01	25
Trichlorofluoromethane	3.75	3.83	3.91	102	104	70.0-130			2.07	25
Dichlorodifluoromethane	3.75	3.70	3.85	98.7	103	64.0-139			3.97	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027359-1 01/27/24 10:52 • (LCSD) R4027359-2 01/27/24 11:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.88	3.91	103	104	70.0-130			0.770	25
1,2-Dichlorotetrafluoroethane	3.75	3.79	3.85	101	103	70.0-130			1.57	25
Heptane	3.75	3.89	4.00	104	107	70.0-130			2.79	25
Hexachloro-1,3-butadiene	3.75	3.66	3.70	97.6	98.7	70.0-151			1.09	25
n-Hexane	3.75	3.88	3.97	103	106	70.0-130			2.29	25
Isopropylbenzene	3.75	3.89	3.98	104	106	70.0-130			2.29	25
Methylene Chloride	3.75	3.98	4.07	106	109	70.0-130			2.24	25
Methyl Butyl Ketone	3.75	5.00	5.00	133	133	70.0-149			0.000	25
2-Butanone (MEK)	3.75	3.90	3.96	104	106	70.0-130			1.53	25
4-Methyl-2-pentanone (MIBK)	3.75	3.60	3.77	96.0	101	70.0-139			4.61	25
Methyl methacrylate	3.75	3.59	3.65	95.7	97.3	70.0-130			1.66	25
MTBE	3.75	3.83	3.91	102	104	70.0-130			2.07	25
Naphthalene	3.75	4.19	4.28	112	114	70.0-159			2.13	25
Nonane	3.75	3.99	4.08	106	109	70.0-130			2.23	25
Pentane	3.75	3.91	4.01	104	107	70.0-130			2.53	25
2-Propanol	3.75	3.87	3.93	103	105	70.0-139			1.54	25
Propene	3.75	3.65	3.81	97.3	102	64.0-144			4.29	25
Styrene	3.75	3.96	4.00	106	107	70.0-130			1.01	25
1,1,2,2-Tetrachloroethane	3.75	3.93	4.07	105	109	70.0-130			3.50	25
Tetrachloroethylene	3.75	3.81	3.68	102	98.1	70.0-130			3.47	25
Tetrahydrofuran	3.75	3.83	3.86	102	103	70.0-137			0.780	25
Toluene	3.75	3.74	3.83	99.7	102	70.0-130			2.38	25
1,2,4-Trichlorobenzene	3.75	4.00	4.12	107	110	70.0-160			2.96	25
1,1,1-Trichloroethane	3.75	3.75	3.84	100	102	70.0-130			2.37	25
1,1,2-Trichloroethane	3.75	3.83	3.86	102	103	70.0-130			0.780	25
Trichloroethylene	3.75	3.94	3.99	105	106	70.0-130			1.26	25
1,2,4-Trimethylbenzene	3.75	4.03	4.09	107	109	70.0-130			1.48	25
1,3,5-Trimethylbenzene	3.75	3.94	4.00	105	107	70.0-130			1.51	25
2,2,4-Trimethylpentane	3.75	3.87	3.92	103	105	70.0-130			1.28	25
Vinyl chloride	3.75	3.76	3.80	100	101	70.0-130			1.06	25
Vinyl Bromide	3.75	3.73	3.82	99.5	102	70.0-130			2.38	25
Vinyl acetate	3.75	2.66	2.49	70.9	66.4	70.0-130		J4	6.60	25
m&p-Xylene	7.50	7.88	8.05	105	107	70.0-130			2.13	25
o-Xylene	3.75	3.96	4.05	106	108	70.0-130			2.25	25
(S) 1,4-Bromofluorobenzene				*100*	*99.6*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

J171

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # PROJ - 032692

Turnaround Requested: ☐ Normal **X** Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: **X** Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time **X**
Retain w/ storage fees after 2X hold time ☐

U699515

Lab Contact Information										Method	Matrix
Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	TO-15	A = air B = bulk S = soil SW = wipe T = tape W = water
MTWA0124MC001	015647	009475	01/24/24	1652	01/25/24	1045	-29	-10	AW	X	A -01
MTWA0124MC002	028082	011681	01/24/24	1706	01/25/24	1058	-28	-9	AW	X	A -02
MTWA0124MC003	014284	015369	01/24/24	1720	01/25/24	1111	-29	-8	AW	X	A -03
MTWA0124MC004	010934	013026	01/24/24	1732	01/25/24	1120	-29	-10	AW	X	A -04

Sample Receipt Checklist
COC Seal Present/Intact: ✓ Y N
COC Signed/Accurate: ✓ Y N
Bottles arrive intact: ✓ Y N
Correct bottles used: ✓ Y N
Airs
Size: 1L 6L ✓ 1.4L
Tage Color: G W ✓ P B
Tubing ___ Shunt ___
T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Nathan	1/26/24 - 1100	FedEx	1/26/24 1115	Dropped off at FedEx for shipping
[signature]	1/26/24 - 1100	Caleb Tapp	1/27/24 09:00	

SDG #_MTWA0124MC___

ANALYTICAL REPORT

January 30, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

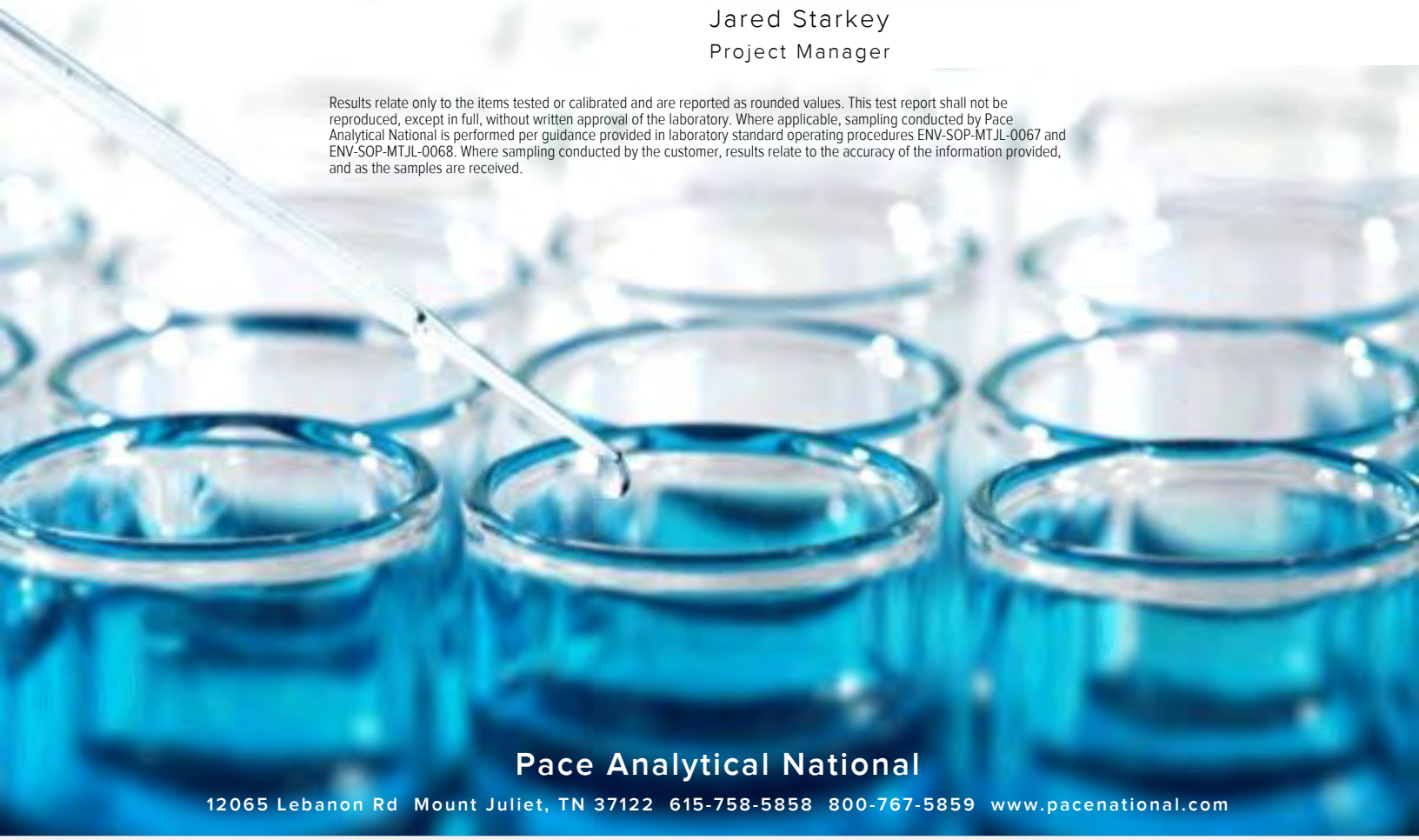
CTEH - ER

Sample Delivery Group:	L1699517
Samples Received:	01/27/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0125MC001 L1699517-01 Air

Collected by: AW | Collected date/time: 01/26/24 05:00 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215992	1	01/30/24 11:57	01/30/24 11:57	SDS	Mt. Juliet, TN

MTWA0125MC002 L1699517-02 Air

Collected by: AW | Collected date/time: 01/26/24 05:07 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 16:50	01/27/24 16:50	JAP	Mt. Juliet, TN

MTWA0125MC003 L1699517-03 Air

Collected by: AW | Collected date/time: 01/26/24 05:14 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 17:17	01/27/24 17:17	JAP	Mt. Juliet, TN

MTWA0125MC004 L1699517-04 Air

Collected by: AW | Collected date/time: 01/26/24 05:20 | Received date/time: 01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2214590	1	01/27/24 17:45	01/27/24 17:45	JAP	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2215992	(LCSD) R4027729-3, L1699517-01	1,3,5-Trimethylbenzene

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2214590	(LCSD) R4027359-2, L1699517-02, 03, 04	Vinyl acetate

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0125MC001	L1699517-01	Acetone	67-64-1	58.10	1.25	2.97	18.3	43.5		1	WG2215992
MTWA0125MC001	L1699517-01	Benzene	71-43-2	78.10	0.200	0.639	0.239	0.763		1	WG2215992
MTWA0125MC001	L1699517-01	Butane	106-97-8	58	0.200	0.474	0.353	0.837		1	WG2215992
MTWA0125MC001	L1699517-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.669	1.38		1	WG2215992
MTWA0125MC001	L1699517-01	Ethanol	64-17-5	46.10	2.50	4.71	5.26	9.92		1	WG2215992
MTWA0125MC001	L1699517-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2215992
MTWA0125MC001	L1699517-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.448	2.22		1	WG2215992
MTWA0125MC001	L1699517-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.312	1.08		1	WG2215992
MTWA0125MC001	L1699517-01	2-Propanol	67-63-0	60.10	1.25	3.07	22.5	55.3		1	WG2215992
MTWA0125MC001	L1699517-01	Tetrachloroethylene	127-18-4	166	0.200	1.36	38.8	263		1	WG2215992
MTWA0125MC002	L1699517-02	Acetone	67-64-1	58.10	1.25	2.97	4.70	11.2		1	WG2214590
MTWA0125MC002	L1699517-02	Butane	106-97-8	58	0.200	0.474	0.291	0.690		1	WG2214590
MTWA0125MC002	L1699517-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.486	1.00		1	WG2214590
MTWA0125MC002	L1699517-02	Ethanol	64-17-5	46.10	2.50	4.71	6.63	12.5		1	WG2214590
MTWA0125MC002	L1699517-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2214590
MTWA0125MC002	L1699517-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.385	1.90		1	WG2214590
MTWA0125MC002	L1699517-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.212	0.736		1	WG2214590
MTWA0125MC002	L1699517-02	Pentane	109-66-0	72.15	0.200	0.590	0.278	0.820		1	WG2214590
MTWA0125MC002	L1699517-02	Toluene	108-88-3	92.10	0.500	1.88	1.18	4.44		1	WG2214590
MTWA0125MC003	L1699517-03	Acetone	67-64-1	58.10	1.25	2.97	3.92	9.32		1	WG2214590
MTWA0125MC003	L1699517-03	Butane	106-97-8	58	0.200	0.474	0.279	0.662		1	WG2214590
MTWA0125MC003	L1699517-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.500	1.03		1	WG2214590
MTWA0125MC003	L1699517-03	Ethanol	64-17-5	46.10	2.50	4.71	13.1	24.7		1	WG2214590
MTWA0125MC003	L1699517-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.395	1.95		1	WG2214590
MTWA0125MC003	L1699517-03	Pentane	109-66-0	72.15	0.200	0.590	0.295	0.871		1	WG2214590
MTWA0125MC003	L1699517-03	Toluene	108-88-3	92.10	0.500	1.88	0.668	2.52		1	WG2214590
MTWA0125MC004	L1699517-04	Acetone	67-64-1	58.10	1.25	2.97	2.47	5.87		1	WG2214590
MTWA0125MC004	L1699517-04	Butane	106-97-8	58	0.200	0.474	0.351	0.833		1	WG2214590
MTWA0125MC004	L1699517-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.518	1.07		1	WG2214590
MTWA0125MC004	L1699517-04	Ethanol	64-17-5	46.10	2.50	4.71	4.57	8.62		1	WG2214590
MTWA0125MC004	L1699517-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2214590
MTWA0125MC004	L1699517-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.395	1.95		1	WG2214590
MTWA0125MC004	L1699517-04	Toluene	108-88-3	92.10	0.500	1.88	0.544	2.05		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	18.3	43.5		1	WG2215992
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215992
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215992
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215992
Benzene	71-43-2	78.10	0.200	0.639	0.239	0.763		1	WG2215992
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215992
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215992
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215992
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215992
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215992
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215992
Butane	106-97-8	58	0.200	0.474	0.353	0.837		1	WG2215992
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215992
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215992
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215992
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215992
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215992
Chloromethane	74-87-3	50.50	0.200	0.413	0.669	1.38		1	WG2215992
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215992
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215992
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215992
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215992
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215992
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215992
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215992
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215992
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215992
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215992
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215992
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215992
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215992
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215992
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215992
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215992
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215992
Ethanol	64-17-5	46.10	2.50	4.71	5.26	9.92		1	WG2215992
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215992
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215992
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2215992
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.448	2.22		1	WG2215992
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215992
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215992
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215992
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215992
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215992
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215992
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.312	1.08		1	WG2215992
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215992
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215992
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215992
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215992
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215992
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215992
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215992
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2215992
2-Propanol	67-63-0	60.10	1.25	3.07	22.5	55.3		1	WG2215992

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215992
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215992
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215992
Tetrachloroethylene	127-18-4	166	0.200	1.36	38.8	263		1	WG2215992
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215992
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215992
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215992
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215992
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215992
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215992
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215992
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND	J4	1	WG2215992
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215992
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215992
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215992
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215992
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215992
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215992
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*103*				WG2215992

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.70	11.2		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	0.291	0.690		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	0.486	1.00		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	6.63	12.5		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.385	1.90		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.212	0.736		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	0.278	0.820		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	1.18	4.44		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*100*				WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.92	9.32		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	0.279	0.662		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	0.500	1.03		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	13.1	24.7		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.395	1.95		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	0.295	0.871		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2214590

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	0.668	2.52		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.47	5.87		1	WG2214590
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2214590
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2214590
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2214590
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2214590
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2214590
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2214590
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2214590
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2214590
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2214590
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2214590
Butane	106-97-8	58	0.200	0.474	0.351	0.833		1	WG2214590
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2214590
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2214590
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2214590
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2214590
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2214590
Chloromethane	74-87-3	50.50	0.200	0.413	0.518	1.07		1	WG2214590
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2214590
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2214590
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2214590
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2214590
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2214590
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2214590
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2214590
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2214590
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2214590
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2214590
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2214590
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2214590
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2214590
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2214590
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2214590
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2214590
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2214590
Ethanol	64-17-5	46.10	2.50	4.71	4.57	8.62		1	WG2214590
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2214590
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2214590
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.204	1.15		1	WG2214590
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.395	1.95		1	WG2214590
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2214590
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2214590
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2214590
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2214590
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2214590
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2214590
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2214590
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2214590
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2214590
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2214590
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2214590
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2214590
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2214590
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2214590
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2214590
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2214590

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2214590
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2214590
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2214590
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2214590
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2214590
Toluene	108-88-3	92.10	0.500	1.88	0.544	2.05		1	WG2214590
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2214590
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2214590
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2214590
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2214590
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2214590
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2214590
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2214590
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2214590
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2214590
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2214590
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2214590
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2214590
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG2214590

Method Blank (MB)

(MB) R4027359-3 01/27/24 11:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4027359-3 01/27/24 11:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*103*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027359-1 01/27/24 10:52 • (LCSD) R4027359-2 01/27/24 11:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.79	3.79	101	101	70.0-130			0.000	25
Acetonitrile	18.8	20.2	20.4	107	109	70.0-130			0.985	25
Acrylonitrile	3.75	3.86	3.89	103	104	70.0-130			0.774	25
Allyl chloride	3.75	3.93	4.05	105	108	70.0-130			3.01	25
Benzene	3.75	3.78	3.88	101	103	70.0-130			2.61	25
Benzyl Chloride	3.75	3.99	4.16	106	111	70.0-152			4.17	25
Bromodichloromethane	3.75	3.81	3.86	102	103	70.0-130			1.30	25
Bromoform	3.75	3.84	3.90	102	104	70.0-130			1.55	25
Bromomethane	3.75	3.76	3.80	100	101	70.0-130			1.06	25
Bromoethane	3.75	3.75	3.80	100	101	70.0-130			1.32	25
1,3-Butadiene	3.75	3.79	3.98	101	106	70.0-130			4.89	25
Butane	3.75	3.84	3.96	102	106	70.0-130			3.08	25
Carbon disulfide	3.75	3.85	3.95	103	105	70.0-130			2.56	25
Carbon tetrachloride	3.75	3.83	3.93	102	105	70.0-130			2.58	25
Chlorobenzene	3.75	3.74	3.84	99.7	102	70.0-130			2.64	25
Chloroethane	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Chloroform	3.75	3.90	3.94	104	105	70.0-130			1.02	25
Chloromethane	3.75	3.77	3.87	101	103	70.0-130			2.62	25
2-Chlorotoluene	3.75	3.86	4.02	103	107	70.0-130			4.06	25
Cyclohexane	3.75	3.83	3.85	102	103	70.0-130			0.521	25
n-Decane	3.75	4.21	4.32	112	115	70.0-130			2.58	25
Dibromochloromethane	3.75	3.90	3.95	104	105	70.0-130			1.27	25
1,2-Dibromoethane	3.75	3.82	3.93	102	105	70.0-130			2.84	25
1,2-Dichlorobenzene	3.75	3.87	3.97	103	106	70.0-130			2.55	25
1,3-Dichlorobenzene	3.75	3.97	4.06	106	108	70.0-130			2.24	25
1,4-Dichlorobenzene	3.75	4.04	3.97	108	106	70.0-130			1.75	25
1,2-Dichloroethane	3.75	3.85	3.95	103	105	70.0-130			2.56	25
1,1-Dichloroethane	3.75	3.82	3.96	102	106	70.0-130			3.60	25
1,1-Dichloroethene	3.75	3.90	3.96	104	106	70.0-130			1.53	25
cis-1,2-Dichloroethene	3.75	3.88	3.97	103	106	70.0-130			2.29	25
trans-1,2-Dichloroethene	3.75	3.40	3.44	90.7	91.7	70.0-130			1.17	25
1,2-Dichloropropane	3.75	3.82	3.85	102	103	70.0-130			0.782	25
cis-1,3-Dichloropropene	3.75	3.73	3.85	99.5	103	70.0-130			3.17	25
trans-1,3-Dichloropropene	3.75	3.77	3.82	101	102	70.0-130			1.32	25
1,4-Dioxane	3.75	4.30	4.42	115	118	70.0-140			2.75	25
Ethanol	3.75	3.65	3.82	97.3	102	55.0-148			4.55	25
Ethylbenzene	3.75	3.86	4.00	103	107	70.0-130			3.56	25
4-Ethyltoluene	3.75	3.95	4.03	105	107	70.0-130			2.01	25
Trichlorofluoromethane	3.75	3.83	3.91	102	104	70.0-130			2.07	25
Dichlorodifluoromethane	3.75	3.70	3.85	98.7	103	64.0-139			3.97	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027359-1 01/27/24 10:52 • (LCSD) R4027359-2 01/27/24 11:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.88	3.91	103	104	70.0-130			0.770	25
1,2-Dichlorotetrafluoroethane	3.75	3.79	3.85	101	103	70.0-130			1.57	25
Heptane	3.75	3.89	4.00	104	107	70.0-130			2.79	25
Hexachloro-1,3-butadiene	3.75	3.66	3.70	97.6	98.7	70.0-151			1.09	25
n-Hexane	3.75	3.88	3.97	103	106	70.0-130			2.29	25
Isopropylbenzene	3.75	3.89	3.98	104	106	70.0-130			2.29	25
Methylene Chloride	3.75	3.98	4.07	106	109	70.0-130			2.24	25
Methyl Butyl Ketone	3.75	5.00	5.00	133	133	70.0-149			0.000	25
2-Butanone (MEK)	3.75	3.90	3.96	104	106	70.0-130			1.53	25
4-Methyl-2-pentanone (MIBK)	3.75	3.60	3.77	96.0	101	70.0-139			4.61	25
Methyl methacrylate	3.75	3.59	3.65	95.7	97.3	70.0-130			1.66	25
MTBE	3.75	3.83	3.91	102	104	70.0-130			2.07	25
Naphthalene	3.75	4.19	4.28	112	114	70.0-159			2.13	25
Nonane	3.75	3.99	4.08	106	109	70.0-130			2.23	25
Pentane	3.75	3.91	4.01	104	107	70.0-130			2.53	25
2-Propanol	3.75	3.87	3.93	103	105	70.0-139			1.54	25
Propene	3.75	3.65	3.81	97.3	102	64.0-144			4.29	25
Styrene	3.75	3.96	4.00	106	107	70.0-130			1.01	25
1,1,2,2-Tetrachloroethane	3.75	3.93	4.07	105	109	70.0-130			3.50	25
Tetrachloroethylene	3.75	3.81	3.68	102	98.1	70.0-130			3.47	25
Tetrahydrofuran	3.75	3.83	3.86	102	103	70.0-137			0.780	25
Toluene	3.75	3.74	3.83	99.7	102	70.0-130			2.38	25
1,2,4-Trichlorobenzene	3.75	4.00	4.12	107	110	70.0-160			2.96	25
1,1,1-Trichloroethane	3.75	3.75	3.84	100	102	70.0-130			2.37	25
1,1,2-Trichloroethane	3.75	3.83	3.86	102	103	70.0-130			0.780	25
Trichloroethylene	3.75	3.94	3.99	105	106	70.0-130			1.26	25
1,2,4-Trimethylbenzene	3.75	4.03	4.09	107	109	70.0-130			1.48	25
1,3,5-Trimethylbenzene	3.75	3.94	4.00	105	107	70.0-130			1.51	25
2,2,4-Trimethylpentane	3.75	3.87	3.92	103	105	70.0-130			1.28	25
Vinyl chloride	3.75	3.76	3.80	100	101	70.0-130			1.06	25
Vinyl Bromide	3.75	3.73	3.82	99.5	102	70.0-130			2.38	25
Vinyl acetate	3.75	2.66	2.49	70.9	66.4	70.0-130		J4	6.60	25
m&p-Xylene	7.50	7.88	8.05	105	107	70.0-130			2.13	25
o-Xylene	3.75	3.96	4.05	106	108	70.0-130			2.25	25
(S) 1,4-Bromofluorobenzene				*100*	*99.6*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4027729-2 01/30/24 09:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4027729-2 01/30/24 09:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*99.3*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027729-1 01/30/24 09:06 • (LCSD) R4027729-3 01/30/24 10:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.15	4.35	111	116	70.0-130			4.71	25
Acetonitrile	18.8	21.3	23.0	113	122	70.0-130			7.67	25
Acrylonitrile	3.75	3.65	3.71	97.3	98.9	70.0-130			1.63	25
Allyl chloride	3.75	3.55	3.23	94.7	86.1	70.0-130			9.44	25
Benzene	3.75	4.05	3.93	108	105	70.0-130			3.01	25
Benzyl Chloride	3.75	4.27	4.25	114	113	70.0-152			0.469	25
Bromodichloromethane	3.75	4.00	3.78	107	101	70.0-130			5.66	25
Bromoform	3.75	4.04	3.90	108	104	70.0-130			3.53	25
Bromomethane	3.75	4.25	4.17	113	111	70.0-130			1.90	25
Bromoethane	3.75	3.88	4.11	103	110	70.0-130			5.76	25
1,3-Butadiene	3.75	4.11	3.98	110	106	70.0-130			3.21	25
Butane	3.75	3.82	3.94	102	105	70.0-130			3.09	25
Carbon disulfide	3.75	3.88	3.99	103	106	70.0-130			2.80	25
Carbon tetrachloride	3.75	4.03	3.97	107	106	70.0-130			1.50	25
Chlorobenzene	3.75	4.07	4.06	109	108	70.0-130			0.246	25
Chloroethane	3.75	4.21	4.05	112	108	70.0-130			3.87	25
Chloroform	3.75	3.94	3.94	105	105	70.0-130			0.000	25
Chloromethane	3.75	4.18	3.90	111	104	70.0-130			6.93	25
2-Chlorotoluene	3.75	4.06	4.28	108	114	70.0-130			5.28	25
Cyclohexane	3.75	3.55	3.74	94.7	99.7	70.0-130			5.21	25
n-Decane	3.75	4.19	4.25	112	113	70.0-130			1.42	25
Dibromochloromethane	3.75	3.89	3.65	104	97.3	70.0-130			6.37	25
1,2-Dibromoethane	3.75	3.75	3.68	100	98.1	70.0-130			1.88	25
1,2-Dichlorobenzene	3.75	4.36	4.65	116	124	70.0-130			6.44	25
1,3-Dichlorobenzene	3.75	4.39	4.59	117	122	70.0-130			4.45	25
1,4-Dichlorobenzene	3.75	4.51	4.62	120	123	70.0-130			2.41	25
1,2-Dichloroethane	3.75	4.20	4.15	112	111	70.0-130			1.20	25
1,1-Dichloroethane	3.75	3.66	3.78	97.6	101	70.0-130			3.23	25
1,1-Dichloroethene	3.75	4.12	4.06	110	108	70.0-130			1.47	25
cis-1,2-Dichloroethene	3.75	3.95	4.13	105	110	70.0-130			4.46	25
trans-1,2-Dichloroethene	3.75	4.16	3.98	111	106	70.0-130			4.42	25
1,2-Dichloropropane	3.75	3.80	3.73	101	99.5	70.0-130			1.86	25
cis-1,3-Dichloropropene	3.75	3.97	3.91	106	104	70.0-130			1.52	25
trans-1,3-Dichloropropene	3.75	3.77	3.74	101	99.7	70.0-130			0.799	25
1,4-Dioxane	3.75	3.01	3.75	80.3	100	70.0-140			21.9	25
Ethanol	3.75	4.23	5.00	113	133	55.0-148			16.7	25
Ethylbenzene	3.75	4.04	4.11	108	110	70.0-130			1.72	25
4-Ethyltoluene	3.75	4.42	4.58	118	122	70.0-130			3.56	25
Trichlorofluoromethane	3.75	4.21	4.16	112	111	70.0-130			1.19	25
Dichlorodifluoromethane	3.75	4.01	3.80	107	101	64.0-139			5.38	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027729-1 01/30/24 09:06 • (LCSD) R4027729-3 01/30/24 10:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.04	4.10	108	109	70.0-130			1.47	25
1,2-Dichlorotetrafluoroethane	3.75	4.06	4.08	108	109	70.0-130			0.491	25
Heptane	3.75	3.99	3.78	106	101	70.0-130			5.41	25
Hexachloro-1,3-butadiene	3.75	4.52	4.81	121	128	70.0-151			6.22	25
n-Hexane	3.75	4.12	4.06	110	108	70.0-130			1.47	25
Isopropylbenzene	3.75	4.12	4.07	110	109	70.0-130			1.22	25
Methylene Chloride	3.75	3.97	3.98	106	106	70.0-130			0.252	25
Methyl Butyl Ketone	3.75	3.89	3.90	104	104	70.0-149			0.257	25
2-Butanone (MEK)	3.75	3.82	4.00	102	107	70.0-130			4.60	25
4-Methyl-2-pentanone (MIBK)	3.75	3.62	3.55	96.5	94.7	70.0-139			1.95	25
Methyl methacrylate	3.75	3.59	4.11	95.7	110	70.0-130			13.5	25
MTBE	3.75	3.69	3.66	98.4	97.6	70.0-130			0.816	25
Naphthalene	3.75	4.63	4.61	123	123	70.0-159			0.433	25
Nonane	3.75	3.78	3.75	101	100	70.0-130			0.797	25
Pentane	3.75	4.01	3.98	107	106	70.0-130			0.751	25
2-Propanol	3.75	3.30	3.89	88.0	104	70.0-139			16.4	25
Propene	3.75	4.16	4.22	111	113	64.0-144			1.43	25
Styrene	3.75	3.77	3.92	101	105	70.0-130			3.90	25
1,1,2,2-Tetrachloroethane	3.75	4.29	4.27	114	114	70.0-130			0.467	25
Tetrachloroethylene	3.75	4.22	4.17	113	111	70.0-130			1.19	25
Tetrahydrofuran	3.75	3.78	3.81	101	102	70.0-137			0.791	25
Toluene	3.75	4.12	4.13	110	110	70.0-130			0.242	25
1,2,4-Trichlorobenzene	3.75	4.58	4.60	122	123	70.0-160			0.436	25
1,1,1-Trichloroethane	3.75	4.17	4.08	111	109	70.0-130			2.18	25
1,1,2-Trichloroethane	3.75	3.97	3.63	106	96.8	70.0-130			8.95	25
Trichloroethylene	3.75	3.93	3.79	105	101	70.0-130			3.63	25
1,2,4-Trimethylbenzene	3.75	4.30	4.44	115	118	70.0-130			3.20	25
1,3,5-Trimethylbenzene	3.75	4.84	5.06	129	135	70.0-130		J4	4.44	25
2,2,4-Trimethylpentane	3.75	3.84	3.86	102	103	70.0-130			0.519	25
Vinyl chloride	3.75	3.94	3.89	105	104	70.0-130			1.28	25
Vinyl Bromide	3.75	3.86	3.62	103	96.5	70.0-130			6.42	25
Vinyl acetate	3.75	4.03	4.05	107	108	70.0-130			0.495	25
m&p-Xylene	7.50	8.28	8.25	110	110	70.0-130			0.363	25
o-Xylene	3.75	4.03	4.20	107	112	70.0-130			4.13	25
(S) 1,4-Bromofluorobenzene				*104*	*104*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

J172

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

end Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
E-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # PROJ - 032692

Turnaround Requested: ☐ Normal X Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: X Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time X
Retain w/ storage fees after 2X hold time ☐

UL09517

Lab Contact Information										Method	Matrix
Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	TO-15	A = air B = bulk S = soil SW = wipe T = tape W = water
MTWA0125MC001	029014	028286	01/25/24	1050	01/26/24	0500	-29	0	AW	X	A -01
MTWA0125MC002	010253	023507	01/25/24	1102	01/26/24	0507	-29	-8	AW	X	A -02
MTWA0125MC003	011838	023564	01/25/24	1115	01/26/24	0514	-29	-8	AW	X	A -03
MTWA0125MC004	008119	028458	01/25/24	1125	01/26/24	0520	-29	-7	AW	X	A -04

Sample Receipt Checklist
COC Seal Present/Intact: Y N Airs
COC Signed/Accurate: Y N Size: 1L 6L 1.4L
Bottles arrive intact: Y N Tege Color: G W P B
Correct bottles used: Y N Tubing Shunt

T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
AdrianneWatkins	1/26/24 - 1100	FedEx	1/26/24 - 1115	Dropped off at FedEx for shipping
[signature]	1/26/24 1100	Caleb TRP	1/27/24 09:00	

SDG #_MTWA0125MC___

ANALYTICAL REPORT

January 30, 2024

CTEH - ER

Sample Delivery Group:	L1700131
Samples Received:	01/30/2024
Project Number:	032692
Description:	

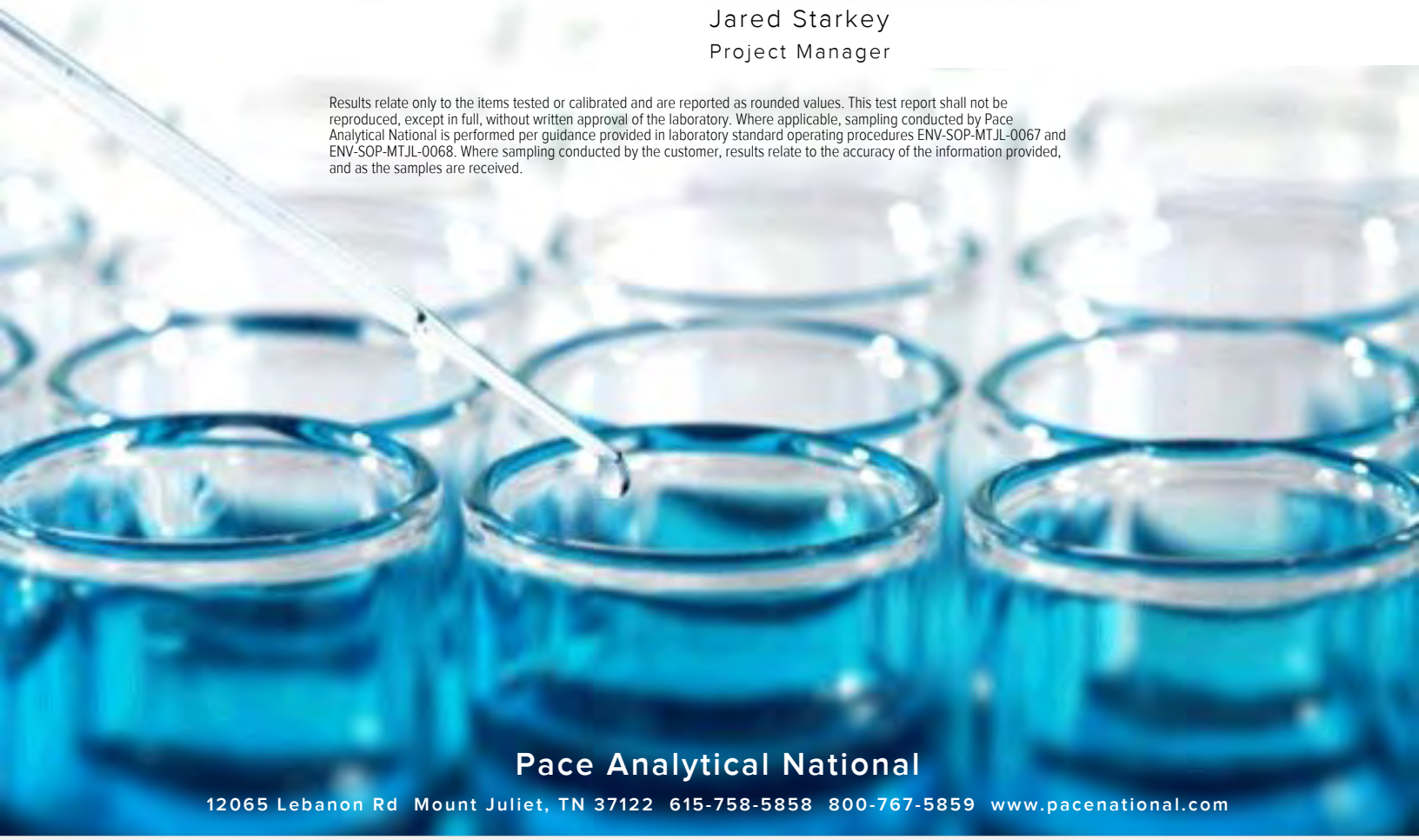
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0126MC001 L1700131-01 Air

Collected by: AW | Collected date/time: 01/26/24 23:01 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 11:32	01/30/24 11:32	DAH	Mt. Juliet, TN

MTWA0126MC002 L1700131-02 Air

Collected by: AW | Collected date/time: 01/26/24 23:15 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 12:01	01/30/24 12:01	DAH	Mt. Juliet, TN

MTWA0126MC003 L1700131-03 Air

Collected by: AW | Collected date/time: 01/26/24 23:22 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 12:29	01/30/24 12:29	DAH	Mt. Juliet, TN

MTWA0126MC004 L1700131-04 Air

Collected by: AW | Collected date/time: 01/26/24 23:29 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 12:57	01/30/24 12:57	DAH	Mt. Juliet, TN

MTWA0126MC001B L1700131-05 Air

Collected by: AW | Collected date/time: 01/26/24 23:03 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 13:25	01/30/24 13:25	DAH	Mt. Juliet, TN

MTWA0126MC002B L1700131-06 Air

Collected by: AW | Collected date/time: 01/26/24 23:16 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 13:53	01/30/24 13:53	DAH	Mt. Juliet, TN

MTWA0126MC003B L1700131-07 Air

Collected by: AW | Collected date/time: 01/26/24 23:24 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 14:22	01/30/24 14:22	DAH	Mt. Juliet, TN

MTWA0126MC004B L1700131-08 Air

Collected by: AW | Collected date/time: 01/26/24 23:31 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215964	1	01/30/24 14:50	01/30/24 14:50	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0126MC001	L1700131-01	Acetone	67-64-1	58.10	1.25	2.97	4.22	10.0		1	WG2215964
MTWA0126MC001	L1700131-01	Butane	106-97-8	58	0.200	0.474	0.290	0.688		1	WG2215964
MTWA0126MC001	L1700131-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.504	1.04		1	WG2215964
MTWA0126MC001	L1700131-01	Ethanol	64-17-5	46.10	2.50	4.71	4.09	7.71		1	WG2215964
MTWA0126MC001	L1700131-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2215964
MTWA0126MC001	L1700131-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2215964
MTWA0126MC001	L1700131-01	Pentane	109-66-0	72.15	0.200	0.590	0.730	2.15		1	WG2215964
MTWA0126MC002	L1700131-02	Acetone	67-64-1	58.10	1.25	2.97	9.83	23.4		1	WG2215964
MTWA0126MC002	L1700131-02	Butane	106-97-8	58	0.200	0.474	1.59	3.77		1	WG2215964
MTWA0126MC002	L1700131-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2215964
MTWA0126MC002	L1700131-02	Ethanol	64-17-5	46.10	2.50	4.71	91.7	173		1	WG2215964
MTWA0126MC002	L1700131-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.222	1.25		1	WG2215964
MTWA0126MC002	L1700131-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.464	2.29		1	WG2215964
MTWA0126MC002	L1700131-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	1.05	3.65		1	WG2215964
MTWA0126MC002	L1700131-02	Pentane	109-66-0	72.15	0.200	0.590	1.74	5.13		1	WG2215964
MTWA0126MC002	L1700131-02	2-Propanol	67-63-0	60.10	1.25	3.07	17.3	42.5		1	WG2215964
MTWA0126MC002	L1700131-02	Toluene	108-88-3	92.10	0.500	1.88	0.622	2.34		1	WG2215964
MTWA0126MC003	L1700131-03	Acetone	67-64-1	58.10	1.25	2.97	7.15	17.0		1	WG2215964
MTWA0126MC003	L1700131-03	Butane	106-97-8	58	0.200	0.474	0.252	0.598		1	WG2215964
MTWA0126MC003	L1700131-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.553	1.14		1	WG2215964
MTWA0126MC003	L1700131-03	Ethanol	64-17-5	46.10	2.50	4.71	32.7	61.7		1	WG2215964
MTWA0126MC003	L1700131-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2215964
MTWA0126MC003	L1700131-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.462	2.28		1	WG2215964
MTWA0126MC003	L1700131-03	Pentane	109-66-0	72.15	0.200	0.590	0.562	1.66		1	WG2215964
MTWA0126MC003	L1700131-03	Toluene	108-88-3	92.10	0.500	1.88	0.786	2.96		1	WG2215964
MTWA0126MC004	L1700131-04	Acetone	67-64-1	58.10	1.25	2.97	5.19	12.3		1	WG2215964
MTWA0126MC004	L1700131-04	Butane	106-97-8	58	0.200	0.474	0.322	0.764		1	WG2215964
MTWA0126MC004	L1700131-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.493	1.02		1	WG2215964
MTWA0126MC004	L1700131-04	Ethanol	64-17-5	46.10	2.50	4.71	11.4	21.5		1	WG2215964
MTWA0126MC004	L1700131-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG2215964
MTWA0126MC004	L1700131-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.477	2.36		1	WG2215964
MTWA0126MC004	L1700131-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.203	0.705		1	WG2215964
MTWA0126MC004	L1700131-04	Pentane	109-66-0	72.15	0.200	0.590	0.243	0.717		1	WG2215964
MTWA0126MC004	L1700131-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.90	4.67		1	WG2215964
MTWA0126MC001B	L1700131-05	Acetone	67-64-1	58.10	1.25	2.97	5.29	12.6		1	WG2215964
MTWA0126MC001B	L1700131-05	Butane	106-97-8	58	0.200	0.474	0.297	0.705		1	WG2215964
MTWA0126MC001B	L1700131-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.532	1.10		1	WG2215964
MTWA0126MC001B	L1700131-05	Ethanol	64-17-5	46.10	2.50	4.71	20.2	38.1		1	WG2215964
MTWA0126MC001B	L1700131-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG2215964
MTWA0126MC001B	L1700131-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.448	2.22		1	WG2215964
MTWA0126MC001B	L1700131-05	Pentane	109-66-0	72.15	0.200	0.590	0.222	0.655		1	WG2215964
MTWA0126MC001B	L1700131-05	Toluene	108-88-3	92.10	0.500	1.88	0.585	2.20		1	WG2215964
MTWA0126MC002B	L1700131-06	Acetone	67-64-1	58.10	1.25	2.97	5.71	13.6		1	WG2215964
MTWA0126MC002B	L1700131-06	Butane	106-97-8	58	0.200	0.474	0.784	1.86		1	WG2215964
MTWA0126MC002B	L1700131-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.542	1.12		1	WG2215964
MTWA0126MC002B	L1700131-06	Ethanol	64-17-5	46.10	2.50	4.71	69.3	131		1	WG2215964
MTWA0126MC002B	L1700131-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2215964
MTWA0126MC002B	L1700131-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.463	2.29		1	WG2215964
MTWA0126MC002B	L1700131-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.564	1.96		1	WG2215964
MTWA0126MC002B	L1700131-06	Pentane	109-66-0	72.15	0.200	0.590	1.25	3.69		1	WG2215964
MTWA0126MC002B	L1700131-06	2-Propanol	67-63-0	60.10	1.25	3.07	7.54	18.5		1	WG2215964
MTWA0126MC002B	L1700131-06	Toluene	108-88-3	92.10	0.500	1.88	0.946	3.56		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0126MC003B	L1700131-07	Acetone	67-64-1	58.10	1.25	2.97	3.19	7.58		1	WG2215964
MTWA0126MC003B	L1700131-07	Butane	106-97-8	58	0.200	0.474	0.280	0.664		1	WG2215964
MTWA0126MC003B	L1700131-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.474	0.979		1	WG2215964
MTWA0126MC003B	L1700131-07	Ethanol	64-17-5	46.10	2.50	4.71	5.06	9.54		1	WG2215964
MTWA0126MC003B	L1700131-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2215964
MTWA0126MC003B	L1700131-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG2215964
MTWA0126MC003B	L1700131-07	Pentane	109-66-0	72.15	0.200	0.590	0.282	0.832		1	WG2215964
MTWA0126MC004B	L1700131-08	Acetone	67-64-1	58.10	1.25	2.97	6.78	16.1		1	WG2215964
MTWA0126MC004B	L1700131-08	Benzene	71-43-2	78.10	0.200	0.639	0.221	0.706		1	WG2215964
MTWA0126MC004B	L1700131-08	Butane	106-97-8	58	0.200	0.474	0.915	2.17		1	WG2215964
MTWA0126MC004B	L1700131-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.626	1.29		1	WG2215964
MTWA0126MC004B	L1700131-08	Ethanol	64-17-5	46.10	2.50	4.71	72.0	136		1	WG2215964
MTWA0126MC004B	L1700131-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG2215964
MTWA0126MC004B	L1700131-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.466	2.30		1	WG2215964
MTWA0126MC004B	L1700131-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.705	2.45		1	WG2215964
MTWA0126MC004B	L1700131-08	Pentane	109-66-0	72.15	0.200	0.590	1.08	3.19		1	WG2215964
MTWA0126MC004B	L1700131-08	2-Propanol	67-63-0	60.10	1.25	3.07	9.87	24.3		1	WG2215964
MTWA0126MC004B	L1700131-08	Toluene	108-88-3	92.10	0.500	1.88	1.24	4.67		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.22	10.0		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.290	0.688		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.504	1.04		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	4.09	7.71		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	0.730	2.15		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.1*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	9.83	23.4		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	1.59	3.77		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	91.7	173		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.222	1.25		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.464	2.29		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.05	3.65		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	1.74	5.13		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	17.3	42.5		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	0.622	2.34		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.15	17.0		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.252	0.598		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.553	1.14		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	32.7	61.7		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.462	2.28		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	0.562	1.66		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	0.786	2.96		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.19	12.3		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.322	0.764		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.493	1.02		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	11.4	21.5		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.477	2.36		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.203	0.705		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	0.243	0.717		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	1.90	4.67		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.0*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.29	12.6		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.297	0.705		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.532	1.10		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	20.2	38.1		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.448	2.22		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	0.222	0.655		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	0.585	2.20		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.8*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.71	13.6		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.784	1.86		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.542	1.12		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	69.3	131		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.463	2.29		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.564	1.96		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	1.25	3.69		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	7.54	18.5		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	0.946	3.56		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.4*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.19	7.58		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.280	0.664		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.474	0.979		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	5.06	9.54		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	0.282	0.832		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.1*				WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.78	16.1		1	WG2215964
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215964
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215964
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215964
Benzene	71-43-2	78.10	0.200	0.639	0.221	0.706		1	WG2215964
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215964
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215964
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215964
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215964
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215964
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215964
Butane	106-97-8	58	0.200	0.474	0.915	2.17		1	WG2215964
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215964
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215964
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215964
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215964
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215964
Chloromethane	74-87-3	50.50	0.200	0.413	0.626	1.29		1	WG2215964
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215964
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215964
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215964
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215964
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215964
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215964
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215964
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215964
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215964
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215964
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215964
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215964
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215964
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215964
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215964
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215964
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215964
Ethanol	64-17-5	46.10	2.50	4.71	72.0	136		1	WG2215964
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215964
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215964
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG2215964
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.466	2.30		1	WG2215964
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215964
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215964
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215964
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215964
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215964
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215964
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.705	2.45		1	WG2215964
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215964
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215964
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215964
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215964
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215964
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215964
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215964
Pentane	109-66-0	72.15	0.200	0.590	1.08	3.19		1	WG2215964
2-Propanol	67-63-0	60.10	1.25	3.07	9.87	24.3		1	WG2215964

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215964
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215964
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215964
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215964
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215964
Toluene	108-88-3	92.10	0.500	1.88	1.24	4.67		1	WG2215964
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215964
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215964
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215964
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215964
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215964
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215964
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215964
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215964
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215964
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215964
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215964
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215964
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.8*				WG2215964

Method Blank (MB)

(MB) R4027757-3 01/30/24 08:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4027757-3 01/30/24 08:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027757-1 01/30/24 07:24 • (LCSD) R4027757-2 01/30/24 07:53

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.55	3.49	94.7	93.1	70.0-130			1.70	25
Acetonitrile	18.8	18.3	17.8	97.3	94.7	70.0-130			2.77	25
Acrylonitrile	3.75	3.61	3.52	96.3	93.9	70.0-130			2.52	25
Allyl chloride	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
Benzene	3.75	3.87	3.79	103	101	70.0-130			2.09	25
Benzyl Chloride	3.75	3.63	3.58	96.8	95.5	70.0-152			1.39	25
Bromodichloromethane	3.75	3.77	3.68	101	98.1	70.0-130			2.42	25
Bromoform	3.75	3.56	3.40	94.9	90.7	70.0-130			4.60	25
Bromomethane	3.75	3.81	3.83	102	102	70.0-130			0.524	25
Bromoethane	3.75	4.05	3.82	108	102	70.0-130			5.84	25
1,3-Butadiene	3.75	3.57	3.48	95.2	92.8	70.0-130			2.55	25
Butane	3.75	3.50	3.53	93.3	94.1	70.0-130			0.853	25
Carbon disulfide	3.75	3.84	3.84	102	102	70.0-130			0.000	25
Carbon tetrachloride	3.75	3.79	3.73	101	99.5	70.0-130			1.60	25
Chlorobenzene	3.75	3.85	3.79	103	101	70.0-130			1.57	25
Chloroethane	3.75	3.66	3.63	97.6	96.8	70.0-130			0.823	25
Chloroform	3.75	3.79	3.80	101	101	70.0-130			0.264	25
Chloromethane	3.75	3.45	3.38	92.0	90.1	70.0-130			2.05	25
2-Chlorotoluene	3.75	3.89	3.89	104	104	70.0-130			0.000	25
Cyclohexane	3.75	3.99	4.00	106	107	70.0-130			0.250	25
n-Decane	3.75	3.87	3.84	103	102	70.0-130			0.778	25
Dibromochloromethane	3.75	3.80	3.72	101	99.2	70.0-130			2.13	25
1,2-Dibromoethane	3.75	3.91	3.86	104	103	70.0-130			1.29	25
1,2-Dichlorobenzene	3.75	3.83	3.75	102	100	70.0-130			2.11	25
1,3-Dichlorobenzene	3.75	3.87	3.82	103	102	70.0-130			1.30	25
1,4-Dichlorobenzene	3.75	3.88	3.76	103	100	70.0-130			3.14	25
1,2-Dichloroethane	3.75	3.68	3.78	98.1	101	70.0-130			2.68	25
1,1-Dichloroethane	3.75	3.77	3.77	101	101	70.0-130			0.000	25
1,1-Dichloroethene	3.75	3.79	3.75	101	100	70.0-130			1.06	25
cis-1,2-Dichloroethene	3.75	3.78	3.75	101	100	70.0-130			0.797	25
trans-1,2-Dichloroethene	3.75	3.77	3.82	101	102	70.0-130			1.32	25
1,2-Dichloropropane	3.75	3.81	3.70	102	98.7	70.0-130			2.93	25
cis-1,3-Dichloropropene	3.75	3.85	3.80	103	101	70.0-130			1.31	25
trans-1,3-Dichloropropene	3.75	3.84	3.73	102	99.5	70.0-130			2.91	25
1,4-Dioxane	3.75	3.90	4.01	104	107	70.0-140			2.78	25
Ethanol	3.75	2.93	2.96	78.1	78.9	55.0-148			1.02	25
Ethylbenzene	3.75	3.94	3.87	105	103	70.0-130			1.79	25
4-Ethyltoluene	3.75	3.94	3.95	105	105	70.0-130			0.253	25
Trichlorofluoromethane	3.75	3.74	3.72	99.7	99.2	70.0-130			0.536	25
Dichlorodifluoromethane	3.75	3.80	3.82	101	102	64.0-139			0.525	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027757-1 01/30/24 07:24 • (LCSD) R4027757-2 01/30/24 07:53

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.85	3.86	103	103	70.0-130			0.259	25
1,2-Dichlorotetrafluoroethane	3.75	3.76	3.73	100	99.5	70.0-130			0.801	25
Heptane	3.75	3.67	3.69	97.9	98.4	70.0-130			0.543	25
Hexachloro-1,3-butadiene	3.75	3.83	3.75	102	100	70.0-151			2.11	25
n-Hexane	3.75	3.80	3.79	101	101	70.0-130			0.264	25
Isopropylbenzene	3.75	3.90	3.84	104	102	70.0-130			1.55	25
Methylene Chloride	3.75	3.53	3.48	94.1	92.8	70.0-130			1.43	25
Methyl Butyl Ketone	3.75	3.93	3.89	105	104	70.0-149			1.02	25
2-Butanone (MEK)	3.75	3.83	3.48	102	92.8	70.0-130			9.58	25
4-Methyl-2-pentanone (MIBK)	3.75	3.90	3.83	104	102	70.0-139			1.81	25
Methyl methacrylate	3.75	3.68	3.55	98.1	94.7	70.0-130			3.60	25
MTBE	3.75	3.89	3.81	104	102	70.0-130			2.08	25
Naphthalene	3.75	3.91	3.88	104	103	70.0-159			0.770	25
Nonane	3.75	3.86	3.69	103	98.4	70.0-130			4.50	25
Pentane	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
2-Propanol	3.75	3.57	3.49	95.2	93.1	70.0-139			2.27	25
Propene	3.75	3.40	3.30	90.7	88.0	64.0-144			2.99	25
Styrene	3.75	4.01	3.86	107	103	70.0-130			3.81	25
1,1,2,2-Tetrachloroethane	3.75	3.80	3.81	101	102	70.0-130			0.263	25
Tetrachloroethylene	3.75	3.91	3.87	104	103	70.0-130			1.03	25
Tetrahydrofuran	3.75	3.70	3.61	98.7	96.3	70.0-137			2.46	25
Toluene	3.75	3.96	3.92	106	105	70.0-130			1.02	25
1,2,4-Trichlorobenzene	3.75	3.77	3.62	101	96.5	70.0-160			4.06	25
1,1,1-Trichloroethane	3.75	3.76	3.79	100	101	70.0-130			0.795	25
1,1,2-Trichloroethane	3.75	4.00	3.79	107	101	70.0-130			5.39	25
Trichloroethylene	3.75	3.90	3.90	104	104	70.0-130			0.000	25
1,2,4-Trimethylbenzene	3.75	4.08	3.96	109	106	70.0-130			2.99	25
1,3,5-Trimethylbenzene	3.75	4.02	3.89	107	104	70.0-130			3.29	25
2,2,4-Trimethylpentane	3.75	3.93	3.92	105	105	70.0-130			0.255	25
Vinyl chloride	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
Vinyl Bromide	3.75	3.87	3.77	103	101	70.0-130			2.62	25
Vinyl acetate	3.75	3.04	3.04	81.1	81.1	70.0-130			0.000	25
m&p-Xylene	7.50	8.03	7.91	107	105	70.0-130			1.51	25
o-Xylene	3.75	4.03	4.04	107	108	70.0-130			0.248	25
(S) 1,4-Bromofluorobenzene				*100*	*101*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

DPA8 AMB

Sample Receipt Checklist
COC Seal Present/Intact: X Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: X Y N
RECEIVED

Airs Size: 1L 6L X 1.4L
Tage Color: G W P B
Tubing Shunt
T/P#:

LYSIS REQUEST FORM

F093

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
E-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # PROJ - 032692

Turnaround Requested: ☐ Normal **X** Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: **X** Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time **X**
Retain w/ storage fees after 2X hold time ☐ L1700151

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)	
MTWA0126MC001	021384	021257	01/26/24	0502	01/26/24	2301	-29	-8	AW	X	A	01
MTWA0126MC002	012884	009504	01/26/24	0509	01/26/24	2315	-29	-21	AW	X	A	02
MTWA0126MC003	010259	009516	01/26/24	0516	01/26/24	2322	-29	-10	AW	X	A	03
MTWA0126MC004	028023	011647	01/26/24	0522	01/26/24	2329	-29	-8	AW	X	A	04
MTWA0126MC001B	028094	028260	01/26/24	2303	01/27/24	2303	-29	-9	AW	X	A	05
MTWA0126MC002B	009811	028634	01/26/24	2316	01/27/24	2316	-29	-11	AW	X	A	06
MTWA0126MC003B	011254	028233	01/26/24	2324	01/27/24	2324	-29	-7	AW	X	A	07
MTWA0126MC004B	029325	028231	01/26/24	2331	01/27/24	2331	-29	-9	AW	X	A	08
					AW							

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Watkins	01/29/2024/1100	FedEx		Dropped off at FedEx for shipping
		Christopher Gallien	1/30/24 0900	

SDG #_MTWA012[6]MC___
6 AW

CTETHER: L1700131-02

CT Chase Tucker
To: Jared Starkey
Cc: MTJL Air
You replied to this message on 1/30/2024 11:40 AM.

Reply | Reply All | Forw
Tu

Good Morning,

Sample L1700131-02 was received at a pressure differential. The client recorded -21"Hg and we recorded -15"Hg.

Also, the pressure in this can is to negative and we will have to run it at a minimum of a 10x dilution to salvage the sample.

Please let us know how the client wishes to proceed

Best,
Chase Tucker
Scientist 1 - Air Lab
12065 Lebanon Road | Mt. Juliet, TN 37122

ANALYTICAL REPORT

January 31, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

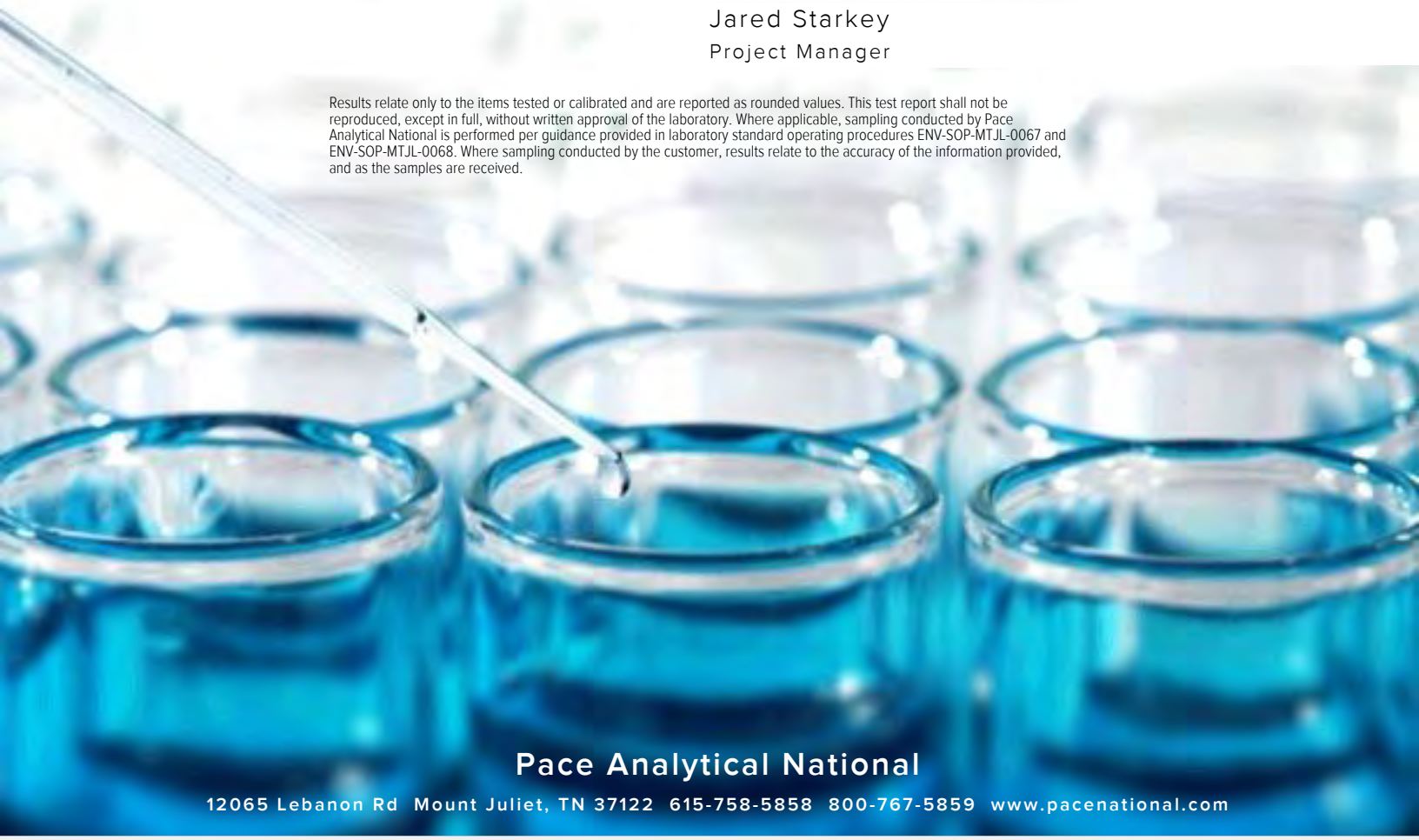
CTEH - ER

Sample Delivery Group:	L1700135
Samples Received:	01/30/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0127MC001 L1700135-01 Air

Collected by: AW | Collected date/time: 01/28/24 15:50 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215975	1	01/30/24 12:35	01/30/24 12:35	SDS	Mt. Juliet, TN

MTWA0127MC002 L1700135-02 Air

Collected by: AW | Collected date/time: 01/28/24 09:54 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215975	1	01/30/24 13:04	01/30/24 13:04	DAH	Mt. Juliet, TN

MTWA0127MC003 L1700135-03 Air

Collected by: AW | Collected date/time: 01/28/24 12:18 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215975	1	01/30/24 13:34	01/30/24 13:34	DAH	Mt. Juliet, TN

MTWA0127MC004 L1700135-04 Air

Collected by: AW | Collected date/time: 01/28/24 12:00 | Received date/time: 01/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2215975	1	01/30/24 14:02	01/30/24 14:02	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0127MC001	L1700135-01	Acetone	67-64-1	58.10	1.25	2.97	12.6	29.9		1	WG2215975
MTWA0127MC001	L1700135-01	Benzene	71-43-2	78.10	0.200	0.639	1.43	4.57		1	WG2215975
MTWA0127MC001	L1700135-01	Chloromethane	74-87-3	50.50	0.200	0.413	2.21	4.56		1	WG2215975
MTWA0127MC001	L1700135-01	Ethanol	64-17-5	46.10	2.50	4.71	6.76	12.7		1	WG2215975
MTWA0127MC001	L1700135-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.235	1.32		1	WG2215975
MTWA0127MC001	L1700135-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.496	2.45		1	WG2215975
MTWA0127MC001	L1700135-01	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.734	3.61		1	WG2215975
MTWA0127MC001	L1700135-01	Toluene	108-88-3	92.10	0.500	1.88	1.61	6.06		1	WG2215975
MTWA0127MC002	L1700135-02	Acetone	67-64-1	58.10	1.25	2.97	7.11	16.9		1	WG2215975
MTWA0127MC002	L1700135-02	Butane	106-97-8	58	0.200	0.474	0.259	0.614		1	WG2215975
MTWA0127MC002	L1700135-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.718	1.48		1	WG2215975
MTWA0127MC002	L1700135-02	Ethanol	64-17-5	46.10	2.50	4.71	6.14	11.6		1	WG2215975
MTWA0127MC002	L1700135-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.258	1.45		1	WG2215975
MTWA0127MC002	L1700135-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.525	2.60		1	WG2215975
MTWA0127MC002	L1700135-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.216	0.750		1	WG2215975
MTWA0127MC002	L1700135-02	Pentane	109-66-0	72.15	0.200	0.590	0.239	0.705		1	WG2215975
MTWA0127MC003	L1700135-03	Acetone	67-64-1	58.10	1.25	2.97	3.93	9.34		1	WG2215975
MTWA0127MC003	L1700135-03	Butane	106-97-8	58	0.200	0.474	0.254	0.603		1	WG2215975
MTWA0127MC003	L1700135-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.661	1.37		1	WG2215975
MTWA0127MC003	L1700135-03	Ethanol	64-17-5	46.10	2.50	4.71	4.35	8.20		1	WG2215975
MTWA0127MC003	L1700135-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2215975
MTWA0127MC003	L1700135-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2215975
MTWA0127MC003	L1700135-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.201	0.698		1	WG2215975
MTWA0127MC003	L1700135-03	Pentane	109-66-0	72.15	0.200	0.590	0.412	1.22		1	WG2215975
MTWA0127MC004	L1700135-04	Acetone	67-64-1	58.10	1.25	2.97	7.89	18.7		1	WG2215975
MTWA0127MC004	L1700135-04	Butane	106-97-8	58	0.200	0.474	0.257	0.610		1	WG2215975
MTWA0127MC004	L1700135-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.697	1.44		1	WG2215975
MTWA0127MC004	L1700135-04	Ethanol	64-17-5	46.10	2.50	4.71	7.13	13.4		1	WG2215975
MTWA0127MC004	L1700135-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2215975
MTWA0127MC004	L1700135-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2215975
MTWA0127MC004	L1700135-04	Tetrachloroethylene	127-18-4	166	0.200	1.36	0.290	1.97		1	WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.6	29.9		1	WG2215975
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215975
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215975
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215975
Benzene	71-43-2	78.10	0.200	0.639	1.43	4.57		1	WG2215975
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215975
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215975
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215975
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215975
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215975
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215975
Butane	106-97-8	58	0.200	0.474	ND	ND		1	WG2215975
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215975
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215975
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215975
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215975
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215975
Chloromethane	74-87-3	50.50	0.200	0.413	2.21	4.56		1	WG2215975
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215975
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215975
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215975
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215975
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215975
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215975
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215975
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215975
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215975
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215975
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215975
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215975
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215975
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215975
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215975
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215975
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215975
Ethanol	64-17-5	46.10	2.50	4.71	6.76	12.7		1	WG2215975
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215975
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215975
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.235	1.32		1	WG2215975
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.496	2.45		1	WG2215975
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215975
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215975
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215975
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215975
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215975
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.734	3.61		1	WG2215975
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2215975
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215975
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215975
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215975
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215975
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215975
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215975
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215975
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2215975
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215975
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215975
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215975
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215975
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215975
Toluene	108-88-3	92.10	0.500	1.88	1.61	6.06		1	WG2215975
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215975
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215975
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215975
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215975
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215975
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215975
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215975
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215975
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215975
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215975
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215975
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215975
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.3*				WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.11	16.9		1	WG2215975
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215975
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215975
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215975
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215975
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215975
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215975
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215975
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215975
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215975
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215975
Butane	106-97-8	58	0.200	0.474	0.259	0.614		1	WG2215975
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215975
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215975
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215975
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215975
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215975
Chloromethane	74-87-3	50.50	0.200	0.413	0.718	1.48		1	WG2215975
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215975
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215975
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215975
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215975
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215975
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215975
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215975
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215975
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215975
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215975
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215975
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215975
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215975
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215975
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215975
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215975
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215975
Ethanol	64-17-5	46.10	2.50	4.71	6.14	11.6		1	WG2215975
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215975
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215975
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.258	1.45		1	WG2215975
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.525	2.60		1	WG2215975
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215975
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215975
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215975
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215975
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215975
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215975
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.216	0.750		1	WG2215975
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215975
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215975
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215975
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215975
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215975
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215975
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215975
Pentane	109-66-0	72.15	0.200	0.590	0.239	0.705		1	WG2215975
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215975
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215975
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215975
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215975
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215975
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215975
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215975
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215975
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215975
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215975
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215975
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215975
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215975
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215975
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215975
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215975
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215975
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215975
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.8*				WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.93	9.34		1	WG2215975
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215975
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215975
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215975
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215975
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215975
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215975
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215975
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215975
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215975
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215975
Butane	106-97-8	58	0.200	0.474	0.254	0.603		1	WG2215975
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215975
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215975
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215975
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215975
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215975
Chloromethane	74-87-3	50.50	0.200	0.413	0.661	1.37		1	WG2215975
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215975
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215975
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215975
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215975
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215975
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215975
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215975
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215975
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215975
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215975
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215975
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215975
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215975
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215975
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215975
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215975
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215975
Ethanol	64-17-5	46.10	2.50	4.71	4.35	8.20		1	WG2215975
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215975
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215975
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2215975
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2215975
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215975
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215975
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215975
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215975
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215975
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215975
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.201	0.698		1	WG2215975
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215975
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215975
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215975
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215975
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215975
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215975
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215975
Pentane	109-66-0	72.15	0.200	0.590	0.412	1.22		1	WG2215975
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215975
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215975
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215975
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2215975
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215975
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215975
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215975
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215975
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215975
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215975
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215975
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215975
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215975
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215975
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215975
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215975
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215975
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215975
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*89.6*				WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.89	18.7		1	WG2215975
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2215975
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2215975
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2215975
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2215975
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2215975
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2215975
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2215975
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2215975
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2215975
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2215975
Butane	106-97-8	58	0.200	0.474	0.257	0.610		1	WG2215975
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2215975
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2215975
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2215975
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2215975
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2215975
Chloromethane	74-87-3	50.50	0.200	0.413	0.697	1.44		1	WG2215975
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2215975
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2215975
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2215975
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2215975
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2215975
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2215975
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2215975
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2215975
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2215975
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2215975
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2215975
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2215975
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2215975
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2215975
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2215975
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2215975
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2215975
Ethanol	64-17-5	46.10	2.50	4.71	7.13	13.4		1	WG2215975
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2215975
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2215975
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2215975
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2215975
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2215975
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2215975
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2215975
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2215975
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2215975
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2215975
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2215975
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2215975
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2215975
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2215975
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2215975
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2215975
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2215975
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2215975
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2215975
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2215975

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2215975
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2215975
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2215975
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.290	1.97		1	WG2215975
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2215975
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2215975
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2215975
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2215975
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2215975
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2215975
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2215975
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2215975
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2215975
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2215975
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2215975
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2215975
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2215975
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2215975
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.0*				WG2215975

Method Blank (MB)

(MB) R4027744-2 01/30/24 08:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acrylonitrile	U		0.226	5.00
Acetonitrile	U		0.235	5.00
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Allyl chloride	U		0.114	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Cyclohexane	U		0.0753	0.200
Chlorobenzene	U		0.0832	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
2-Chlorotoluene	U		0.0828	0.200
1,2-Dichloroethane	U		0.0700	0.200
n-Decane	U		0.0784	0.200
1,1-Dichloroethene	U		0.0762	0.200
1,2-Dichlorobenzene	U		0.128	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,1-Dichloroethane	U		0.0723	0.200
Ethanol	0.427	J	0.265	2.50
cis-1,2-Dichloroethene	U		0.0784	0.200
Ethylbenzene	U		0.0835	0.200
1,2-Dichloropropane	U		0.0760	0.200
Trichlorofluoromethane	U		0.0819	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
Dichlorodifluoromethane	U		0.137	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
1,4-Dioxane	U		0.0833	0.630

Method Blank (MB)

(MB) R4027744-2 01/30/24 08:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
4-Ethyltoluene	U		0.0783	0.200
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methyl Butyl Ketone	U		0.133	1.25
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Methylene Chloride	U		0.0979	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
1,1,2-Trichloroethane	U		0.0775	0.200
Nonane	U		0.0363	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Propene	U		0.0932	1.25
Vinyl Bromide	U		0.0852	0.200
Styrene	U		0.0788	0.200
Vinyl acetate	U		0.116	0.630
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*92.1*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027744-1 01/30/24 08:10 • (LCSD) R4027744-3 01/30/24 11:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.61	4.51	123	120	70.0-130			2.19	25
Acrylonitrile	3.75	4.40	4.24	117	113	70.0-130			3.70	25
Acetonitrile	18.8	22.2	21.5	118	114	70.0-130			3.20	25
Benzene	3.75	4.38	4.25	117	113	70.0-130			3.01	25
Benzyl Chloride	3.75	4.35	4.38	116	117	70.0-152			0.687	25
Allyl chloride	3.75	4.48	4.38	119	117	70.0-130			2.26	25
Bromodichloromethane	3.75	4.29	4.16	114	111	70.0-130			3.08	25
Bromoform	3.75	4.09	4.11	109	110	70.0-130			0.488	25
Bromomethane	3.75	4.38	4.19	117	112	70.0-130			4.43	25
Bromoethane	3.75	4.29	4.14	114	110	70.0-130			3.56	25
1,3-Butadiene	3.75	4.59	4.35	122	116	70.0-130			5.37	25
Butane	3.75	4.34	4.21	116	112	70.0-130			3.04	25
Carbon disulfide	3.75	4.33	4.23	115	113	70.0-130			2.34	25
Carbon tetrachloride	3.75	4.21	4.07	112	109	70.0-130			3.38	25
Cyclohexane	3.75	4.31	4.17	115	111	70.0-130			3.30	25
Chlorobenzene	3.75	4.24	4.12	113	110	70.0-130			2.87	25
Dibromochloromethane	3.75	4.21	4.17	112	111	70.0-130			0.955	25
1,2-Dibromoethane	3.75	4.34	4.25	116	113	70.0-130			2.10	25
Chloroethane	3.75	4.34	4.18	116	111	70.0-130			3.76	25
Chloroform	3.75	4.30	4.15	115	111	70.0-130			3.55	25
Chloromethane	3.75	4.41	4.19	118	112	70.0-130			5.12	25
1,4-Dichlorobenzene	3.75	4.66	4.69	124	125	70.0-130			0.642	25
2-Chlorotoluene	3.75	4.39	4.36	117	116	70.0-130			0.686	25
1,2-Dichloroethane	3.75	4.38	4.23	117	113	70.0-130			3.48	25
n-Decane	3.75	4.83	4.86	129	130	70.0-130			0.619	25
1,1-Dichloroethene	3.75	4.37	4.23	117	113	70.0-130			3.26	25
1,2-Dichlorobenzene	3.75	4.49	4.48	120	119	70.0-130			0.223	25
trans-1,2-Dichloroethene	3.75	4.37	4.30	117	115	70.0-130			1.61	25
1,3-Dichlorobenzene	3.75	4.55	4.51	121	120	70.0-130			0.883	25
1,1-Dichloroethane	3.75	4.32	4.15	115	111	70.0-130			4.01	25
Ethanol	3.75	4.42	4.32	118	115	55.0-148			2.29	25
cis-1,2-Dichloroethene	3.75	4.36	4.14	116	110	70.0-130			5.18	25
Ethylbenzene	3.75	4.40	4.30	117	115	70.0-130			2.30	25
1,2-Dichloropropane	3.75	4.38	4.19	117	112	70.0-130			4.43	25
Trichlorofluoromethane	3.75	4.40	4.24	117	113	70.0-130			3.70	25
cis-1,3-Dichloropropene	3.75	4.37	4.18	117	111	70.0-130			4.44	25
Dichlorodifluoromethane	3.75	4.31	4.05	115	108	64.0-139			6.22	25
trans-1,3-Dichloropropene	3.75	4.43	4.29	118	114	70.0-130			3.21	25
1,2-Dichlorotetrafluoroethane	3.75	4.38	4.19	117	112	70.0-130			4.43	25
1,4-Dioxane	3.75	4.52	4.26	121	114	70.0-140			5.92	25

QUALITY CONTROL SUMMARY

L1700135-01,02,03,04

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027744-1 01/30/24 08:10 • (LCSD) R4027744-3 01/30/24 11:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Heptane	3.75	4.40	4.24	117	113	70.0-130			3.70	25
Hexachloro-1,3-butadiene	3.75	4.02	4.13	107	110	70.0-151			2.70	25
4-Ethyltoluene	3.75	4.65	4.53	124	121	70.0-130			2.61	25
n-Hexane	3.75	4.32	4.17	115	111	70.0-130			3.53	25
Isopropylbenzene	3.75	4.46	4.35	119	116	70.0-130			2.50	25
Methyl Butyl Ketone	3.75	4.58	4.48	122	119	70.0-149			2.21	25
1,1,2-Trichlorotrifluoroethane	3.75	4.34	4.22	116	113	70.0-130			2.80	25
Methyl methacrylate	3.75	4.36	4.20	116	112	70.0-130			3.74	25
MTBE	3.75	4.32	4.17	115	111	70.0-130			3.53	25
Naphthalene	3.75	4.35	4.32	116	115	70.0-159			0.692	25
Pentane	3.75	4.36	4.22	116	113	70.0-130			3.26	25
2-Propanol	3.75	4.60	4.36	123	116	70.0-139			5.36	25
Methylene Chloride	3.75	4.36	4.27	116	114	70.0-130			2.09	25
1,1,2,2-Tetrachloroethane	3.75	4.47	4.35	119	116	70.0-130			2.72	25
2-Butanone (MEK)	3.75	4.37	4.30	117	115	70.0-130			1.61	25
4-Methyl-2-pentanone (MIBK)	3.75	4.50	4.39	120	117	70.0-139			2.47	25
1,1,2-Trichloroethane	3.75	4.38	4.19	117	112	70.0-130			4.43	25
Nonane	3.75	4.68	4.53	125	121	70.0-130			3.26	25
1,2,4-Trimethylbenzene	3.75	4.57	4.52	122	121	70.0-130			1.10	25
1,3,5-Trimethylbenzene	3.75	4.55	4.50	121	120	70.0-130			1.10	25
2,2,4-Trimethylpentane	3.75	4.51	4.30	120	115	70.0-130			4.77	25
Propene	3.75	4.31	4.38	115	117	64.0-144			1.61	25
Vinyl Bromide	3.75	4.38	4.10	117	109	70.0-130			6.60	25
Styrene	3.75	4.51	4.44	120	118	70.0-130			1.56	25
Vinyl acetate	3.75	4.21	4.00	112	107	70.0-130			5.12	25
Tetrachloroethylene	3.75	4.21	4.04	112	108	70.0-130			4.12	25
Tetrahydrofuran	3.75	4.42	4.29	118	114	70.0-137			2.99	25
Toluene	3.75	4.34	4.13	116	110	70.0-130			4.96	25
1,2,4-Trichlorobenzene	3.75	4.46	4.49	119	120	70.0-160			0.670	25
1,1,1-Trichloroethane	3.75	4.20	4.09	112	109	70.0-130			2.65	25
Trichloroethylene	3.75	4.36	4.19	116	112	70.0-130			3.98	25
Vinyl chloride	3.75	4.40	4.23	117	113	70.0-130			3.94	25
m&p-Xylene	7.50	9.07	8.85	121	118	70.0-130			2.46	25
o-Xylene	3.75	4.59	4.49	122	120	70.0-130			2.20	25
(S) 1,4-Bromofluorobenzene				*99.3*	*99.0*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

F094

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com; mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com;
Accounting	Send invoices to: Send invoices to ctehAP@montrose-env.com with invoice # and Vendor name in subject line.

CTEH Project # 032692

Turnaround Requested: ☐ Normal ☒ Same Day ☐ Next Day ☐ Two Day ☐ Other (Specify)

Data Packet Requested: ☐ Standard Level II ☐ Other

Sample and Extract Retention/Disposal: Dispose after 2X hold time ☒ 1/30/24 MS Eft L1700135

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix
MTWA0127MC0001	10767	015374	01/27/24	1649	01/28/24	1550	-29	-4	AW	X	A 01
MTWA0127MC0002	14338	012483	01/27/24	1658	01/28/24	0954	-29	-5	AW	X	A 02
MTWA0127MC0003	9809	009484	01/27/24	1709	01/28/24	1218	-29	-6	AW	X	A 03
MTWA0127MC0004	28011	011661	01/27/24	1717	01/28/24	1200	-29	-4	AW	X	A 04

TRAB AMB

Sample Receipt Checklist
COC Seal Present/Intact: ☒Y ☐N — Airs
COC Signed/Accurate: ☒Y ☐N — Size: ___1L ___6L ☒ 1.4L
Bottles arrive intact: ☒Y ☐N — Tage Color: G__ W__ P__ B__
Correct bottles used: ☒Y ☐N — Tubing ___ Shunt ___
4 RECEIVED
T/P#

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne R. Watkins	1/29/24 - 1100			
		Christopher D. Gelein	1/30/24 0900	

SDG # MTWA0127MC

ANALYTICAL REPORT

February 01, 2024

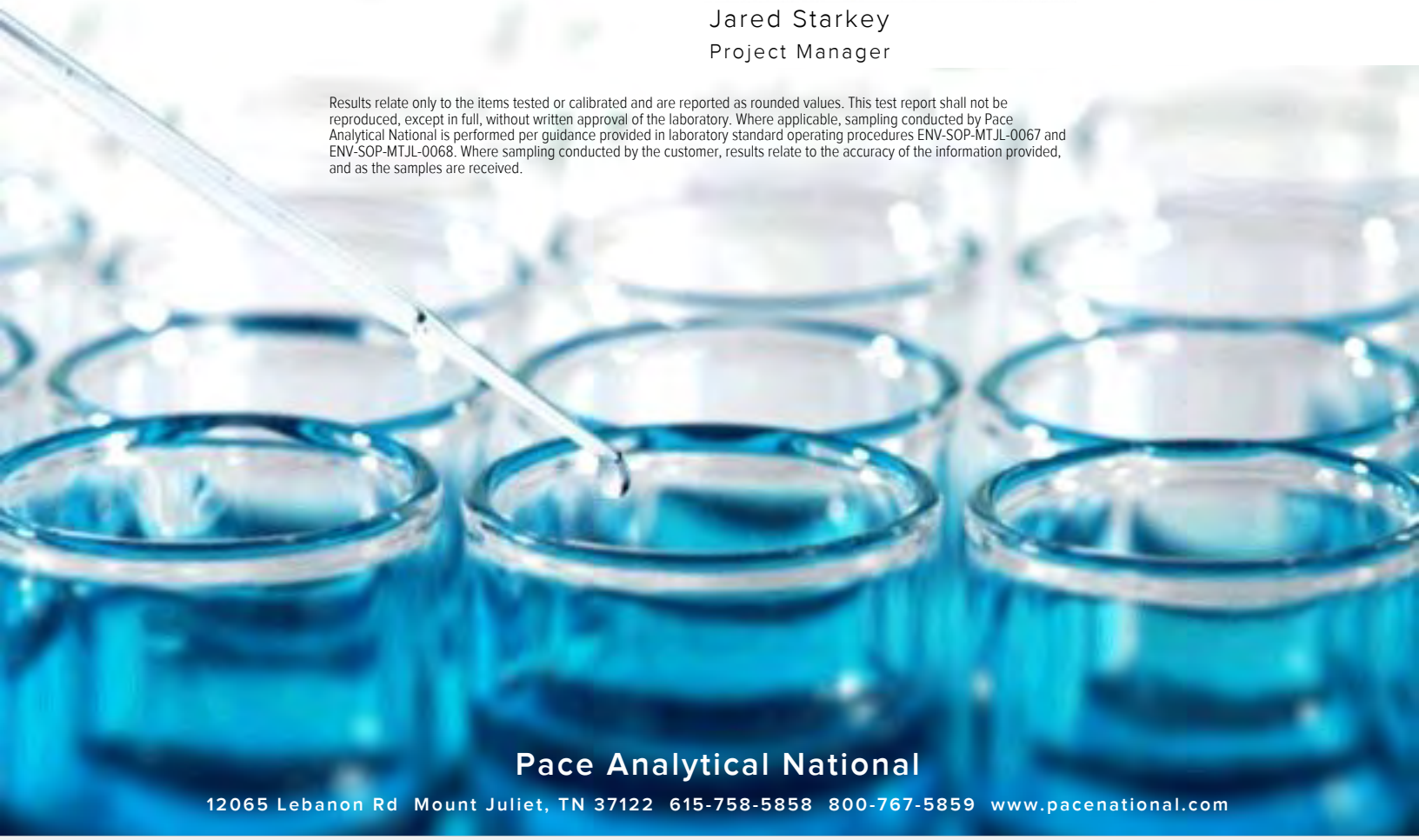
CTEH - ER

Sample Delivery Group:	L1701017
Samples Received:	02/01/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0129MC001 L1701017-01 Air

Collected by: AW | Collected date/time: 01/29/24 23:02 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2217963	1	02/01/24 14:35	02/01/24 14:35	SDS	Mt. Juliet, TN

MTWA0129MC002 L1701017-02 Air

Collected by: AW | Collected date/time: 01/29/24 23:20 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218004	1	02/01/24 17:00	02/01/24 17:00	GH	Mt. Juliet, TN

MTWA0129MC003 L1701017-03 Air

Collected by: AW | Collected date/time: 01/29/24 23:35 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218004	1	02/01/24 15:40	02/01/24 15:40	DAH	Mt. Juliet, TN

MTWA0129MC004 L1701017-04 Air

Collected by: AW | Collected date/time: 01/29/24 23:51 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218004	1	02/01/24 16:10	02/01/24 16:10	DAH	Mt. Juliet, TN

MTWA0129MC001B L1701017-05 Air

Collected by: AW | Collected date/time: 01/29/24 23:07 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2217967	1	02/01/24 12:09	02/01/24 12:09	SDS	Mt. Juliet, TN

MTWA0129MC002B L1701017-06 Air

Collected by: AW | Collected date/time: 01/29/24 17:00 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2217967	1	02/01/24 12:48	02/01/24 12:48	MNP	Mt. Juliet, TN

MTWA0129MC003B L1701017-07 Air

Collected by: AW | Collected date/time: 01/29/24 12:51 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2217967	1	02/01/24 13:26	02/01/24 13:26	MNP	Mt. Juliet, TN

MTWA0129MC004B L1701017-08 Air

Collected by: AW | Collected date/time: 01/29/24 17:20 | Received date/time: 02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2217967	1	02/01/24 14:05	02/01/24 14:05	MNP	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2218004	Butane	L1701017-02, 03, 04
WG2218004	Ethanol	L1701017-02, 03, 04

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0129MC001	L1701017-01	Acetone	67-64-1	58.10	1.25	2.97	5.79	13.8		1	WG2217963
MTWA0129MC001	L1701017-01	Benzene	71-43-2	78.10	0.200	0.639	0.294	0.939		1	WG2217963
MTWA0129MC001	L1701017-01	Butane	106-97-8	58	0.200	0.474	0.422	1.00		1	WG2217963
MTWA0129MC001	L1701017-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.843	1.74		1	WG2217963
MTWA0129MC001	L1701017-01	Ethanol	64-17-5	46.10	2.50	4.71	21.0	39.6		1	WG2217963
MTWA0129MC001	L1701017-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.212	1.19		1	WG2217963
MTWA0129MC001	L1701017-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.451	2.23		1	WG2217963
MTWA0129MC001	L1701017-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.247	0.858		1	WG2217963
MTWA0129MC001	L1701017-01	Pentane	109-66-0	72.15	0.200	0.590	0.279	0.823		1	WG2217963
MTWA0129MC001	L1701017-01	2-Propanol	67-63-0	60.10	1.25	3.07	1.66	4.08		1	WG2217963
MTWA0129MC001	L1701017-01	Toluene	108-88-3	92.10	0.500	1.88	1.00	3.77		1	WG2217963
MTWA0129MC002	L1701017-02	Acetone	67-64-1	58.10	1.25	2.97	4.76	11.3		1	WG2218004
MTWA0129MC002	L1701017-02	Butane	106-97-8	58	0.200	0.474	0.259	0.614	B	1	WG2218004
MTWA0129MC002	L1701017-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.500	1.03		1	WG2218004
MTWA0129MC002	L1701017-02	Ethanol	64-17-5	46.10	2.50	4.71	12.3	23.2	B	1	WG2218004
MTWA0129MC002	L1701017-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2218004
MTWA0129MC002	L1701017-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.419	2.07		1	WG2218004
MTWA0129MC003	L1701017-03	Acetone	67-64-1	58.10	1.25	2.97	4.33	10.3		1	WG2218004
MTWA0129MC003	L1701017-03	Butane	106-97-8	58	0.200	0.474	0.239	0.567	B	1	WG2218004
MTWA0129MC003	L1701017-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.409	0.845		1	WG2218004
MTWA0129MC003	L1701017-03	n-Decane	124-18-5	142.28	0.200	1.16	0.204	1.19		1	WG2218004
MTWA0129MC003	L1701017-03	Ethanol	64-17-5	46.10	2.50	4.71	7.22	13.6	B	1	WG2218004
MTWA0129MC003	L1701017-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.405	2.00		1	WG2218004
MTWA0129MC003	L1701017-03	Nonane	111-84-2	128.26	0.200	1.05	0.499	2.62		1	WG2218004
MTWA0129MC004	L1701017-04	Acetone	67-64-1	58.10	1.25	2.97	6.18	14.7		1	WG2218004
MTWA0129MC004	L1701017-04	Butane	106-97-8	58	0.200	0.474	0.613	1.45	B	1	WG2218004
MTWA0129MC004	L1701017-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.470	0.971		1	WG2218004
MTWA0129MC004	L1701017-04	Ethanol	64-17-5	46.10	2.50	4.71	14.2	26.8	B	1	WG2218004
MTWA0129MC004	L1701017-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.371	1.83		1	WG2218004
MTWA0129MC004	L1701017-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.262	0.910		1	WG2218004
MTWA0129MC004	L1701017-04	Pentane	109-66-0	72.15	0.200	0.590	0.455	1.34		1	WG2218004
MTWA0129MC004	L1701017-04	2-Propanol	67-63-0	60.10	1.25	3.07	3.69	9.07		1	WG2218004
MTWA0129MC001B	L1701017-05	Acetone	67-64-1	58.10	1.25	2.97	4.98	11.8		1	WG2217967
MTWA0129MC001B	L1701017-05	Butane	106-97-8	58	0.200	0.474	0.856	2.03		1	WG2217967
MTWA0129MC001B	L1701017-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.610	1.26		1	WG2217967
MTWA0129MC001B	L1701017-05	Ethanol	64-17-5	46.10	2.50	4.71	6.89	13.0		1	WG2217967
MTWA0129MC001B	L1701017-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.217	1.22		1	WG2217967
MTWA0129MC001B	L1701017-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.375	1.85		1	WG2217967
MTWA0129MC001B	L1701017-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.246	0.854		1	WG2217967
MTWA0129MC001B	L1701017-05	Pentane	109-66-0	72.15	0.200	0.590	0.617	1.82		1	WG2217967
MTWA0129MC001B	L1701017-05	2-Propanol	67-63-0	60.10	1.25	3.07	1.75	4.30		1	WG2217967
MTWA0129MC002B	L1701017-06	Acetone	67-64-1	58.10	1.25	2.97	7.06	16.8		1	WG2217967
MTWA0129MC002B	L1701017-06	Benzene	71-43-2	78.10	0.200	0.639	0.743	2.37		1	WG2217967
MTWA0129MC002B	L1701017-06	Butane	106-97-8	58	0.200	0.474	0.843	2.00		1	WG2217967
MTWA0129MC002B	L1701017-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.735	1.52		1	WG2217967
MTWA0129MC002B	L1701017-06	Ethanol	64-17-5	46.10	2.50	4.71	17.4	32.8		1	WG2217967
MTWA0129MC002B	L1701017-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.211	1.19		1	WG2217967
MTWA0129MC002B	L1701017-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG2217967
MTWA0129MC002B	L1701017-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.248	0.861		1	WG2217967
MTWA0129MC002B	L1701017-06	Pentane	109-66-0	72.15	0.200	0.590	0.345	1.02		1	WG2217967
MTWA0129MC002B	L1701017-06	2-Propanol	67-63-0	60.10	1.25	3.07	2.39	5.87		1	WG2217967
MTWA0129MC002B	L1701017-06	Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2217967

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0129MC003B	L1701017-07	Acetone	67-64-1	58.10	1.25	2.97	12.5	29.7		1	WG2217967
MTWA0129MC003B	L1701017-07	Benzene	71-43-2	78.10	0.200	0.639	0.274	0.875		1	WG2217967
MTWA0129MC003B	L1701017-07	Butane	106-97-8	58	0.200	0.474	0.888	2.11		1	WG2217967
MTWA0129MC003B	L1701017-07	Chloroethane	75-00-3	64.50	0.200	0.528	0.217	0.572		1	WG2217967
MTWA0129MC003B	L1701017-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.784	1.62		1	WG2217967
MTWA0129MC003B	L1701017-07	Ethanol	64-17-5	46.10	2.50	4.71	16.1	30.4		1	WG2217967
MTWA0129MC003B	L1701017-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.210	1.18		1	WG2217967
MTWA0129MC003B	L1701017-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.447	2.21		1	WG2217967
MTWA0129MC003B	L1701017-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.228	0.792		1	WG2217967
MTWA0129MC003B	L1701017-07	Pentane	109-66-0	72.15	0.200	0.590	0.351	1.04		1	WG2217967
MTWA0129MC003B	L1701017-07	2-Propanol	67-63-0	60.10	1.25	3.07	1.74	4.28		1	WG2217967
MTWA0129MC003B	L1701017-07	Toluene	108-88-3	92.10	0.500	1.88	1.35	5.09		1	WG2217967
MTWA0129MC004B	L1701017-08	Acetone	67-64-1	58.10	1.25	2.97	5.30	12.6		1	WG2217967
MTWA0129MC004B	L1701017-08	Benzene	71-43-2	78.10	0.200	0.639	0.223	0.712		1	WG2217967
MTWA0129MC004B	L1701017-08	Butane	106-97-8	58	0.200	0.474	2.13	5.05		1	WG2217967
MTWA0129MC004B	L1701017-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.729	1.51		1	WG2217967
MTWA0129MC004B	L1701017-08	Ethanol	64-17-5	46.10	2.50	4.71	42.8	80.7		1	WG2217967
MTWA0129MC004B	L1701017-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2217967
MTWA0129MC004B	L1701017-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.435	2.15		1	WG2217967
MTWA0129MC004B	L1701017-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.562	1.95		1	WG2217967
MTWA0129MC004B	L1701017-08	Pentane	109-66-0	72.15	0.200	0.590	0.702	2.07		1	WG2217967
MTWA0129MC004B	L1701017-08	2-Propanol	67-63-0	60.10	1.25	3.07	5.23	12.9		1	WG2217967
MTWA0129MC004B	L1701017-08	Toluene	108-88-3	92.10	0.500	1.88	0.619	2.33		1	WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.79	13.8		1	WG2217963
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2217963
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2217963
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2217963
Benzene	71-43-2	78.10	0.200	0.639	0.294	0.939		1	WG2217963
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2217963
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2217963
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2217963
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2217963
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2217963
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2217963
Butane	106-97-8	58	0.200	0.474	0.422	1.00		1	WG2217963
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2217963
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2217963
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2217963
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2217963
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2217963
Chloromethane	74-87-3	50.50	0.200	0.413	0.843	1.74		1	WG2217963
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2217963
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2217963
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2217963
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2217963
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2217963
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2217963
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2217963
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2217963
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2217963
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2217963
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2217963
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2217963
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2217963
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2217963
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2217963
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2217963
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2217963
Ethanol	64-17-5	46.10	2.50	4.71	21.0	39.6		1	WG2217963
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2217963
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2217963
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.212	1.19		1	WG2217963
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.451	2.23		1	WG2217963
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2217963
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2217963
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2217963
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2217963
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2217963
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2217963
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.247	0.858		1	WG2217963
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2217963
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2217963
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2217963
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2217963
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2217963
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2217963
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2217963
Pentane	109-66-0	72.15	0.200	0.590	0.279	0.823		1	WG2217963
2-Propanol	67-63-0	60.10	1.25	3.07	1.66	4.08		1	WG2217963

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2217963
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2217963
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2217963
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2217963
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2217963
Toluene	108-88-3	92.10	0.500	1.88	1.00	3.77		1	WG2217963
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2217963
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2217963
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2217963
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2217963
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2217963
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2217963
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2217963
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2217963
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2217963
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2217963
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2217963
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2217963
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*88.1*				WG2217963

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.76	11.3		1	WG2218004
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218004
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218004
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218004
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2218004
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218004
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218004
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218004
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218004
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218004
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218004
Butane	106-97-8	58	0.200	0.474	0.259	0.614	B	1	WG2218004
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218004
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218004
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218004
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218004
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218004
Chloromethane	74-87-3	50.50	0.200	0.413	0.500	1.03		1	WG2218004
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218004
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218004
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218004
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218004
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218004
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218004
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218004
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218004
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218004
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218004
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218004
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218004
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218004
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218004
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218004
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218004
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218004
Ethanol	64-17-5	46.10	2.50	4.71	12.3	23.2	B	1	WG2218004
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218004
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218004
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	1.12		1	WG2218004
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.419	2.07		1	WG2218004
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218004
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218004
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218004
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218004
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218004
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218004
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2218004
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218004
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218004
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218004
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218004
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218004
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218004
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218004
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2218004
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2218004

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218004
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218004
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218004
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218004
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218004
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2218004
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218004
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218004
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218004
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218004
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218004
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218004
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218004
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218004
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218004
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218004
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218004
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218004
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG2218004

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.33	10.3		1	WG2218004
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218004
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218004
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218004
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2218004
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218004
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218004
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218004
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218004
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218004
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218004
Butane	106-97-8	58	0.200	0.474	0.239	0.567	B	1	WG2218004
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218004
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218004
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218004
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218004
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218004
Chloromethane	74-87-3	50.50	0.200	0.413	0.409	0.845		1	WG2218004
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218004
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218004
n-Decane	124-18-5	142.28	0.200	1.16	0.204	1.19		1	WG2218004
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218004
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218004
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218004
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218004
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218004
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218004
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218004
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218004
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218004
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218004
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218004
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218004
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218004
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218004
Ethanol	64-17-5	46.10	2.50	4.71	7.22	13.6	B	1	WG2218004
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218004
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218004
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2218004
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.405	2.00		1	WG2218004
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218004
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218004
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218004
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218004
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218004
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218004
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2218004
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218004
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218004
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218004
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218004
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218004
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218004
Nonane	111-84-2	128.26	0.200	1.05	0.499	2.62		1	WG2218004
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2218004
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2218004

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218004
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218004
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218004
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218004
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218004
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2218004
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218004
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218004
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218004
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218004
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218004
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218004
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218004
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218004
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218004
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218004
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218004
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218004
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG2218004

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.18	14.7		1	WG2218004
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218004
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218004
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218004
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2218004
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218004
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218004
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218004
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218004
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218004
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218004
Butane	106-97-8	58	0.200	0.474	0.613	1.45	B	1	WG2218004
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218004
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218004
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218004
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218004
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218004
Chloromethane	74-87-3	50.50	0.200	0.413	0.470	0.971		1	WG2218004
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218004
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218004
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218004
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218004
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218004
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218004
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218004
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218004
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218004
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218004
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218004
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218004
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218004
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218004
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218004
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218004
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218004
Ethanol	64-17-5	46.10	2.50	4.71	14.2	26.8	B	1	WG2218004
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218004
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218004
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2218004
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.371	1.83		1	WG2218004
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218004
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218004
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218004
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218004
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218004
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218004
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.262	0.910		1	WG2218004
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218004
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218004
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218004
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218004
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218004
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218004
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218004
Pentane	109-66-0	72.15	0.200	0.590	0.455	1.34		1	WG2218004
2-Propanol	67-63-0	60.10	1.25	3.07	3.69	9.07		1	WG2218004

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218004
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218004
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218004
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218004
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218004
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2218004
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218004
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218004
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218004
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218004
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218004
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218004
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218004
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218004
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218004
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218004
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218004
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218004
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.9*				WG2218004

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.98	11.8		1	WG2217967
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2217967
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2217967
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2217967
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2217967
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2217967
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2217967
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2217967
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2217967
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2217967
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2217967
Butane	106-97-8	58	0.200	0.474	0.856	2.03		1	WG2217967
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2217967
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2217967
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2217967
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2217967
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2217967
Chloromethane	74-87-3	50.50	0.200	0.413	0.610	1.26		1	WG2217967
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2217967
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2217967
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2217967
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2217967
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2217967
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2217967
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2217967
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2217967
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2217967
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2217967
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2217967
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2217967
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2217967
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2217967
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2217967
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2217967
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2217967
Ethanol	64-17-5	46.10	2.50	4.71	6.89	13.0		1	WG2217967
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2217967
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2217967
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.217	1.22		1	WG2217967
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.375	1.85		1	WG2217967
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2217967
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2217967
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2217967
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2217967
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2217967
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2217967
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.246	0.854		1	WG2217967
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2217967
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2217967
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2217967
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2217967
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2217967
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2217967
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2217967
Pentane	109-66-0	72.15	0.200	0.590	0.617	1.82		1	WG2217967
2-Propanol	67-63-0	60.10	1.25	3.07	1.75	4.30		1	WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2217967
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2217967
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2217967
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2217967
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2217967
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2217967
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2217967
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2217967
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2217967
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2217967
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2217967
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2217967
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2217967
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2217967
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2217967
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2217967
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2217967
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2217967
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.4*				WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.06	16.8		1	WG2217967
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2217967
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2217967
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2217967
Benzene	71-43-2	78.10	0.200	0.639	0.743	2.37		1	WG2217967
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2217967
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2217967
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2217967
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2217967
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2217967
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2217967
Butane	106-97-8	58	0.200	0.474	0.843	2.00		1	WG2217967
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2217967
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2217967
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2217967
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2217967
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2217967
Chloromethane	74-87-3	50.50	0.200	0.413	0.735	1.52		1	WG2217967
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2217967
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2217967
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2217967
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2217967
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2217967
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2217967
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2217967
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2217967
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2217967
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2217967
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2217967
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2217967
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2217967
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2217967
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2217967
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2217967
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2217967
Ethanol	64-17-5	46.10	2.50	4.71	17.4	32.8		1	WG2217967
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2217967
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2217967
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.211	1.19		1	WG2217967
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG2217967
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2217967
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2217967
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2217967
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2217967
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2217967
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2217967
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.248	0.861		1	WG2217967
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2217967
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2217967
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2217967
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2217967
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2217967
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2217967
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2217967
Pentane	109-66-0	72.15	0.200	0.590	0.345	1.02		1	WG2217967
2-Propanol	67-63-0	60.10	1.25	3.07	2.39	5.87		1	WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2217967
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2217967
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2217967
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2217967
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2217967
Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2217967
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2217967
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2217967
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2217967
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2217967
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2217967
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2217967
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2217967
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2217967
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2217967
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2217967
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2217967
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2217967
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.5	29.7		1	WG2217967
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2217967
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2217967
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2217967
Benzene	71-43-2	78.10	0.200	0.639	0.274	0.875		1	WG2217967
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2217967
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2217967
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2217967
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2217967
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2217967
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2217967
Butane	106-97-8	58	0.200	0.474	0.888	2.11		1	WG2217967
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2217967
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2217967
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2217967
Chloroethane	75-00-3	64.50	0.200	0.528	0.217	0.572		1	WG2217967
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2217967
Chloromethane	74-87-3	50.50	0.200	0.413	0.784	1.62		1	WG2217967
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2217967
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2217967
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2217967
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2217967
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2217967
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2217967
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2217967
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2217967
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2217967
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2217967
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2217967
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2217967
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2217967
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2217967
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2217967
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2217967
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2217967
Ethanol	64-17-5	46.10	2.50	4.71	16.1	30.4		1	WG2217967
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2217967
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2217967
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.210	1.18		1	WG2217967
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.447	2.21		1	WG2217967
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2217967
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2217967
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2217967
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2217967
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2217967
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2217967
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.228	0.792		1	WG2217967
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2217967
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2217967
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2217967
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2217967
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2217967
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2217967
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2217967
Pentane	109-66-0	72.15	0.200	0.590	0.351	1.04		1	WG2217967
2-Propanol	67-63-0	60.10	1.25	3.07	1.74	4.28		1	WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2217967
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2217967
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2217967
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2217967
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2217967
Toluene	108-88-3	92.10	0.500	1.88	1.35	5.09		1	WG2217967
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2217967
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2217967
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2217967
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2217967
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2217967
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2217967
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2217967
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2217967
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2217967
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2217967
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2217967
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2217967
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.9*				WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.30	12.6		1	WG2217967
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2217967
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2217967
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2217967
Benzene	71-43-2	78.10	0.200	0.639	0.223	0.712		1	WG2217967
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2217967
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2217967
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2217967
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2217967
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2217967
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2217967
Butane	106-97-8	58	0.200	0.474	2.13	5.05		1	WG2217967
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2217967
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2217967
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2217967
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2217967
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2217967
Chloromethane	74-87-3	50.50	0.200	0.413	0.729	1.51		1	WG2217967
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2217967
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2217967
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2217967
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2217967
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2217967
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2217967
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2217967
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2217967
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2217967
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2217967
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2217967
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2217967
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2217967
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2217967
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2217967
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2217967
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2217967
Ethanol	64-17-5	46.10	2.50	4.71	42.8	80.7		1	WG2217967
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2217967
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2217967
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2217967
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.435	2.15		1	WG2217967
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2217967
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2217967
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2217967
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2217967
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2217967
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2217967
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.562	1.95		1	WG2217967
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2217967
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2217967
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2217967
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2217967
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2217967
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2217967
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2217967
Pentane	109-66-0	72.15	0.200	0.590	0.702	2.07		1	WG2217967
2-Propanol	67-63-0	60.10	1.25	3.07	5.23	12.9		1	WG2217967

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2217967
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2217967
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2217967
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2217967
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2217967
Toluene	108-88-3	92.10	0.500	1.88	0.619	2.33		1	WG2217967
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2217967
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2217967
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2217967
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2217967
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2217967
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2217967
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2217967
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2217967
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2217967
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2217967
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2217967
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2217967
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.2*				WG2217967

Method Blank (MB)

(MB) R4028935-3 02/01/24 10:12

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	0.282	J	0.0833	0.630
Ethanol	0.448	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4028935-3 02/01/24 10:12

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	0.158	J	0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*90.4*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028935-1 02/01/24 09:10 • (LCSD) R4028935-2 02/01/24 09:42

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
Acetonitrile	18.8	19.2	19.1	102	102	70.0-130			0.522	25
Acrylonitrile	3.75	3.89	3.84	104	102	70.0-130			1.29	25
Allyl chloride	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
Benzene	3.75	3.85	3.81	103	102	70.0-130			1.04	25
Benzyl Chloride	3.75	4.12	3.94	110	105	70.0-152			4.47	25
Bromodichloromethane	3.75	3.77	3.70	101	98.7	70.0-130			1.87	25
Bromoform	3.75	4.29	3.97	114	106	70.0-130			7.75	25
Bromomethane	3.75	3.93	3.88	105	103	70.0-130			1.28	25
Bromoethane	3.75	3.97	3.82	106	102	70.0-130			3.85	25
1,3-Butadiene	3.75	3.80	3.77	101	101	70.0-130			0.793	25
Butane	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Carbon disulfide	3.75	3.85	3.83	103	102	70.0-130			0.521	25
Carbon tetrachloride	3.75	3.78	3.73	101	99.5	70.0-130			1.33	25
Chlorobenzene	3.75	3.94	3.77	105	101	70.0-130			4.41	25
Chloroethane	3.75	3.76	3.67	100	97.9	70.0-130			2.42	25
Chloroform	3.75	3.91	3.89	104	104	70.0-130			0.513	25
Chloromethane	3.75	3.74	3.76	99.7	100	70.0-130			0.533	25
2-Chlorotoluene	3.75	4.29	4.05	114	108	70.0-130			5.76	25
Cyclohexane	3.75	4.07	3.94	109	105	70.0-130			3.25	25
n-Decane	3.75	4.48	4.23	119	113	70.0-130			5.74	25
Dibromochloromethane	3.75	3.76	3.73	100	99.5	70.0-130			0.801	25
1,2-Dibromoethane	3.75	3.88	3.73	103	99.5	70.0-130			3.94	25
1,2-Dichlorobenzene	3.75	4.26	3.89	114	104	70.0-130			9.08	25
1,3-Dichlorobenzene	3.75	4.35	3.96	116	106	70.0-130			9.39	25
1,4-Dichlorobenzene	3.75	4.34	4.05	116	108	70.0-130			6.91	25
1,2-Dichloroethane	3.75	3.69	3.67	98.4	97.9	70.0-130			0.543	25
1,1-Dichloroethane	3.75	3.87	3.81	103	102	70.0-130			1.56	25
1,1-Dichloroethene	3.75	3.76	3.77	100	101	70.0-130			0.266	25
cis-1,2-Dichloroethene	3.75	3.88	3.81	103	102	70.0-130			1.82	25
trans-1,2-Dichloroethene	3.75	3.76	3.78	100	101	70.0-130			0.531	25
1,2-Dichloropropane	3.75	3.87	3.86	103	103	70.0-130			0.259	25
cis-1,3-Dichloropropene	3.75	3.63	3.65	96.8	97.3	70.0-130			0.549	25
trans-1,3-Dichloropropene	3.75	3.82	3.84	102	102	70.0-130			0.522	25
1,4-Dioxane	3.75	3.66	3.61	97.6	96.3	70.0-140			1.38	25
Ethanol	3.75	3.50	3.46	93.3	92.3	55.0-148			1.15	25
Ethylbenzene	3.75	4.40	4.16	117	111	70.0-130			5.61	25
4-Ethyltoluene	3.75	4.61	4.26	123	114	70.0-130			7.89	25
Trichlorofluoromethane	3.75	3.89	3.80	104	101	70.0-130			2.34	25
Dichlorodifluoromethane	3.75	3.80	3.75	101	100	64.0-139			1.32	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028935-1 02/01/24 09:10 • (LCSD) R4028935-2 02/01/24 09:42

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.95	3.79	105	101	70.0-130			4.13	25
1,2-Dichlorotetrafluoroethane	3.75	3.82	3.78	102	101	70.0-130			1.05	25
Heptane	3.75	4.00	3.95	107	105	70.0-130			1.26	25
Hexachloro-1,3-butadiene	3.75	3.74	3.41	99.7	90.9	70.0-151			9.23	25
n-Hexane	3.75	4.05	3.95	108	105	70.0-130			2.50	25
Isopropylbenzene	3.75	4.45	4.19	119	112	70.0-130			6.02	25
Methylene Chloride	3.75	3.81	3.81	102	102	70.0-130			0.000	25
Methyl Butyl Ketone	3.75	4.36	4.31	116	115	70.0-149			1.15	25
2-Butanone (MEK)	3.75	3.92	3.96	105	106	70.0-130			1.02	25
4-Methyl-2-pentanone (MIBK)	3.75	4.04	3.72	108	99.2	70.0-139			8.25	25
Methyl methacrylate	3.75	3.93	3.91	105	104	70.0-130			0.510	25
MTBE	3.75	3.95	3.89	105	104	70.0-130			1.53	25
Naphthalene	3.75	5.06	4.82	135	129	70.0-159			4.86	25
Nonane	3.75	3.97	4.01	106	107	70.0-130			1.00	25
Pentane	3.75	3.78	3.82	101	102	70.0-130			1.05	25
2-Propanol	3.75	3.44	3.43	91.7	91.5	70.0-139			0.291	25
Propene	3.75	3.68	3.63	98.1	96.8	64.0-144			1.37	25
Styrene	3.75	4.51	4.19	120	112	70.0-130			7.36	25
1,1,2,2-Tetrachloroethane	3.75	4.13	3.89	110	104	70.0-130			5.99	25
Tetrachloroethylene	3.75	4.01	3.87	107	103	70.0-130			3.55	25
Tetrahydrofuran	3.75	3.88	3.98	103	106	70.0-137			2.54	25
Toluene	3.75	3.97	3.92	106	105	70.0-130			1.27	25
1,2,4-Trichlorobenzene	3.75	3.81	3.50	102	93.3	70.0-160			8.48	25
1,1,1-Trichloroethane	3.75	3.88	3.77	103	101	70.0-130			2.88	25
1,1,2-Trichloroethane	3.75	3.85	3.74	103	99.7	70.0-130			2.90	25
Trichloroethylene	3.75	3.87	3.82	103	102	70.0-130			1.30	25
1,2,4-Trimethylbenzene	3.75	4.57	4.35	122	116	70.0-130			4.93	25
1,3,5-Trimethylbenzene	3.75	4.58	4.17	122	111	70.0-130			9.37	25
2,2,4-Trimethylpentane	3.75	4.08	4.06	109	108	70.0-130			0.491	25
Vinyl chloride	3.75	3.83	3.77	102	101	70.0-130			1.58	25
Vinyl Bromide	3.75	4.05	3.81	108	102	70.0-130			6.11	25
Vinyl acetate	3.75	3.87	3.95	103	105	70.0-130			2.05	25
m&p-Xylene	7.50	8.97	8.39	120	112	70.0-130			6.68	25
o-Xylene	3.75	4.62	4.27	123	114	70.0-130			7.87	25
(S) 1,4-Bromofluorobenzene				*94.4*	*106*	*60.0-140*				

Method Blank (MB)

(MB) R4028852-3 02/01/24 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0693	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	0.0716	J	0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.642	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4028852-3 02/01/24 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	0.0594	J	0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.4*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028852-1 02/01/24 08:51 • (LCSD) R4028852-2 02/01/24 09:30

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.96	3.90	106	104	70.0-130			1.53	25
Acetonitrile	18.8	19.2	19.0	102	101	70.0-130			1.05	25
Acrylonitrile	3.75	4.09	4.01	109	107	70.0-130			1.98	25
Allyl chloride	3.75	4.31	3.97	115	106	70.0-130			8.21	25
Benzene	3.75	4.22	4.12	113	110	70.0-130			2.40	25
Benzyl Chloride	3.75	3.93	3.93	105	105	70.0-152			0.000	25
Bromodichloromethane	3.75	4.13	4.07	110	109	70.0-130			1.46	25
Bromoform	3.75	3.99	4.00	106	107	70.0-130			0.250	25
Bromomethane	3.75	3.96	3.97	106	106	70.0-130			0.252	25
Bromoethane	3.75	4.09	4.05	109	108	70.0-130			0.983	25
1,3-Butadiene	3.75	3.88	3.85	103	103	70.0-130			0.776	25
Butane	3.75	3.53	3.52	94.1	93.9	70.0-130			0.284	25
Carbon disulfide	3.75	3.95	3.92	105	105	70.0-130			0.762	25
Carbon tetrachloride	3.75	4.09	4.08	109	109	70.0-130			0.245	25
Chlorobenzene	3.75	4.09	4.02	109	107	70.0-130			1.73	25
Chloroethane	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
Chloroform	3.75	4.04	4.02	108	107	70.0-130			0.496	25
Chloromethane	3.75	3.99	4.03	106	107	70.0-130			0.998	25
2-Chlorotoluene	3.75	4.07	4.07	109	109	70.0-130			0.000	25
Cyclohexane	3.75	4.20	4.34	112	116	70.0-130			3.28	25
n-Decane	3.75	3.99	3.95	106	105	70.0-130			1.01	25
Dibromochloromethane	3.75	4.14	4.09	110	109	70.0-130			1.22	25
1,2-Dibromoethane	3.75	4.18	4.11	111	110	70.0-130			1.69	25
1,2-Dichlorobenzene	3.75	3.86	3.84	103	102	70.0-130			0.519	25
1,3-Dichlorobenzene	3.75	3.91	3.86	104	103	70.0-130			1.29	25
1,4-Dichlorobenzene	3.75	3.89	3.91	104	104	70.0-130			0.513	25
1,2-Dichloroethane	3.75	4.04	4.03	108	107	70.0-130			0.248	25
1,1-Dichloroethane	3.75	4.11	3.98	110	106	70.0-130			3.21	25
1,1-Dichloroethene	3.75	4.16	4.10	111	109	70.0-130			1.45	25
cis-1,2-Dichloroethene	3.75	4.18	4.13	111	110	70.0-130			1.20	25
trans-1,2-Dichloroethene	3.75	4.16	4.08	111	109	70.0-130			1.94	25
1,2-Dichloropropane	3.75	4.14	4.02	110	107	70.0-130			2.94	25
cis-1,3-Dichloropropene	3.75	4.27	4.19	114	112	70.0-130			1.89	25
trans-1,3-Dichloropropene	3.75	4.18	4.13	111	110	70.0-130			1.20	25
1,4-Dioxane	3.75	4.20	4.12	112	110	70.0-140			1.92	25
Ethanol	3.75	3.88	3.81	103	102	55.0-148			1.82	25
Ethylbenzene	3.75	4.10	4.07	109	109	70.0-130			0.734	25
4-Ethyltoluene	3.75	4.19	4.17	112	111	70.0-130			0.478	25
Trichlorofluoromethane	3.75	4.05	4.08	108	109	70.0-130			0.738	25
Dichlorodifluoromethane	3.75	4.03	4.01	107	107	64.0-139			0.498	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028852-1 02/01/24 08:51 • (LCSD) R4028852-2 02/01/24 09:30

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.17	4.09	111	109	70.0-130			1.94	25
1,2-Dichlorotetrafluoroethane	3.75	4.14	4.22	110	113	70.0-130			1.91	25
Heptane	3.75	4.48	4.36	119	116	70.0-130			2.71	25
Hexachloro-1,3-butadiene	3.75	4.01	3.94	107	105	70.0-151			1.76	25
n-Hexane	3.75	4.32	4.30	115	115	70.0-130			0.464	25
Isopropylbenzene	3.75	4.28	4.27	114	114	70.0-130			0.234	25
Methylene Chloride	3.75	3.93	3.79	105	101	70.0-130			3.63	25
Methyl Butyl Ketone	3.75	4.13	3.98	110	106	70.0-149			3.70	25
2-Butanone (MEK)	3.75	4.03	4.05	107	108	70.0-130			0.495	25
4-Methyl-2-pentanone (MIBK)	3.75	4.22	4.12	113	110	70.0-139			2.40	25
Methyl methacrylate	3.75	4.21	4.14	112	110	70.0-130			1.68	25
MTBE	3.75	4.22	4.19	113	112	70.0-130			0.713	25
Naphthalene	3.75	4.09	4.08	109	109	70.0-159			0.245	25
Nonane	3.75	4.02	3.99	107	106	70.0-130			0.749	25
Pentane	3.75	4.00	3.89	107	104	70.0-130			2.79	25
2-Propanol	3.75	4.17	4.09	111	109	70.0-139			1.94	25
Propene	3.75	3.83	3.80	102	101	64.0-144			0.786	25
Styrene	3.75	4.24	4.23	113	113	70.0-130			0.236	25
1,1,2,2-Tetrachloroethane	3.75	3.86	3.81	103	102	70.0-130			1.30	25
Tetrachloroethylene	3.75	4.18	4.09	111	109	70.0-130			2.18	25
Tetrahydrofuran	3.75	4.01	3.98	107	106	70.0-137			0.751	25
Toluene	3.75	4.27	4.20	114	112	70.0-130			1.65	25
1,2,4-Trichlorobenzene	3.75	4.00	4.00	107	107	70.0-160			0.000	25
1,1,1-Trichloroethane	3.75	4.16	4.09	111	109	70.0-130			1.70	25
1,1,2-Trichloroethane	3.75	4.09	4.08	109	109	70.0-130			0.245	25
Trichloroethylene	3.75	4.20	4.07	112	109	70.0-130			3.14	25
1,2,4-Trimethylbenzene	3.75	4.15	4.13	111	110	70.0-130			0.483	25
1,3,5-Trimethylbenzene	3.75	4.13	4.11	110	110	70.0-130			0.485	25
2,2,4-Trimethylpentane	3.75	4.39	4.36	117	116	70.0-130			0.686	25
Vinyl chloride	3.75	3.79	3.74	101	99.7	70.0-130			1.33	25
Vinyl Bromide	3.75	4.13	4.05	110	108	70.0-130			1.96	25
Vinyl acetate	3.75	4.54	4.38	121	117	70.0-130			3.59	25
m&p-Xylene	7.50	8.66	8.57	115	114	70.0-130			1.04	25
o-Xylene	3.75	4.18	4.18	111	111	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*95.6*	*96.1*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4028795-2 02/01/24 09:50

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	0.0742	J	0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	0.0995	J	0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	1.53	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4028795-2 02/01/24 09:50

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*96.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028795-1 02/01/24 09:22 • (LCSD) R4028795-3 02/01/24 10:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.47	3.55	92.5	94.7	70.0-130			2.28	25
Acetonitrile	18.8	16.5	16.7	87.8	88.8	70.0-130			1.20	25
Acrylonitrile	3.75	3.43	3.49	91.5	93.1	70.0-130			1.73	25
Allyl chloride	3.75	3.38	3.45	90.1	92.0	70.0-130			2.05	25
Benzene	3.75	4.03	3.97	107	106	70.0-130			1.50	25
Benzyl Chloride	3.75	3.19	3.24	85.1	86.4	70.0-152			1.56	25
Bromodichloromethane	3.75	3.58	3.63	95.5	96.8	70.0-130			1.39	25
Bromoform	3.75	3.22	3.37	85.9	89.9	70.0-130			4.55	25
Bromomethane	3.75	3.90	4.01	104	107	70.0-130			2.78	25
Bromoethane	3.75	4.21	4.21	112	112	70.0-130			0.000	25
1,3-Butadiene	3.75	3.22	3.28	85.9	87.5	70.0-130			1.85	25
Butane	3.75	3.26	3.35	86.9	89.3	70.0-130			2.72	25
Carbon disulfide	3.75	3.97	4.04	106	108	70.0-130			1.75	25
Carbon tetrachloride	3.75	3.46	3.62	92.3	96.5	70.0-130			4.52	25
Chlorobenzene	3.75	3.89	3.92	104	105	70.0-130			0.768	25
Chloroethane	3.75	3.84	4.01	102	107	70.0-130			4.33	25
Chloroform	3.75	3.73	3.79	99.5	101	70.0-130			1.60	25
Chloromethane	3.75	3.20	3.35	85.3	89.3	70.0-130			4.58	25
2-Chlorotoluene	3.75	3.98	3.98	106	106	70.0-130			0.000	25
Cyclohexane	3.75	4.32	4.31	115	115	70.0-130			0.232	25
n-Decane	3.75	3.48	3.56	92.8	94.9	70.0-130			2.27	25
Dibromochloromethane	3.75	3.49	3.62	93.1	96.5	70.0-130			3.66	25
1,2-Dibromoethane	3.75	3.92	4.00	105	107	70.0-130			2.02	25
1,2-Dichlorobenzene	3.75	3.80	3.96	101	106	70.0-130			4.12	25
1,3-Dichlorobenzene	3.75	3.90	4.03	104	107	70.0-130			3.28	25
1,4-Dichlorobenzene	3.75	3.87	3.89	103	104	70.0-130			0.515	25
1,2-Dichloroethane	3.75	3.42	3.50	91.2	93.3	70.0-130			2.31	25
1,1-Dichloroethane	3.75	3.78	3.83	101	102	70.0-130			1.31	25
1,1-Dichloroethene	3.75	3.64	3.70	97.1	98.7	70.0-130			1.63	25
cis-1,2-Dichloroethene	3.75	3.78	3.80	101	101	70.0-130			0.528	25
trans-1,2-Dichloroethene	3.75	3.74	3.81	99.7	102	70.0-130			1.85	25
1,2-Dichloropropane	3.75	3.82	3.80	102	101	70.0-130			0.525	25
cis-1,3-Dichloropropene	3.75	3.91	3.70	104	98.7	70.0-130			5.52	25
trans-1,3-Dichloropropene	3.75	3.62	3.81	96.5	102	70.0-130			5.11	25
1,4-Dioxane	3.75	4.01	4.23	107	113	70.0-140			5.34	25
Ethanol	3.75	2.73	2.77	72.8	73.9	55.0-148			1.45	25
Ethylbenzene	3.75	4.08	4.13	109	110	70.0-130			1.22	25
4-Ethyltoluene	3.75	4.15	4.16	111	111	70.0-130			0.241	25
Trichlorofluoromethane	3.75	3.55	3.62	94.7	96.5	70.0-130			1.95	25
Dichlorodifluoromethane	3.75	3.64	3.72	97.1	99.2	64.0-139			2.17	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028795-1 02/01/24 09:22 • (LCSD) R4028795-3 02/01/24 10:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.92	4.00	105	107	70.0-130			2.02	25
1,2-Dichlorotetrafluoroethane	3.75	3.83	3.85	102	103	70.0-130			0.521	25
Heptane	3.75	3.50	3.50	93.3	93.3	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	3.76	3.84	100	102	70.0-151			2.11	25
n-Hexane	3.75	3.86	3.84	103	102	70.0-130			0.519	25
Isopropylbenzene	3.75	4.01	4.09	107	109	70.0-130			1.98	25
Methylene Chloride	3.75	3.29	3.40	87.7	90.7	70.0-130			3.29	25
Methyl Butyl Ketone	3.75	3.53	3.59	94.1	95.7	70.0-149			1.69	25
2-Butanone (MEK)	3.75	4.00	4.21	107	112	70.0-130			5.12	25
4-Methyl-2-pentanone (MIBK)	3.75	3.49	3.45	93.1	92.0	70.0-139			1.15	25
Methyl methacrylate	3.75	3.63	3.68	96.8	98.1	70.0-130			1.37	25
MTBE	3.75	4.03	4.13	107	110	70.0-130			2.45	25
Naphthalene	3.75	4.02	4.08	107	109	70.0-159			1.48	25
Nonane	3.75	3.71	3.62	98.9	96.5	70.0-130			2.46	25
Pentane	3.75	3.41	3.48	90.9	92.8	70.0-130			2.03	25
2-Propanol	3.75	3.16	3.30	84.3	88.0	70.0-139			4.33	25
Propene	3.75	3.16	3.18	84.3	84.8	64.0-144			0.631	25
Styrene	3.75	4.11	4.05	110	108	70.0-130			1.47	25
1,1,2,2-Tetrachloroethane	3.75	3.87	3.90	103	104	70.0-130			0.772	25
Tetrachloroethylene	3.75	3.98	3.88	106	103	70.0-130			2.54	25
Tetrahydrofuran	3.75	3.48	3.47	92.8	92.5	70.0-137			0.288	25
Toluene	3.75	4.22	4.14	113	110	70.0-130			1.91	25
1,2,4-Trichlorobenzene	3.75	3.79	3.88	101	103	70.0-160			2.35	25
1,1,1-Trichloroethane	3.75	3.63	3.66	96.8	97.6	70.0-130			0.823	25
1,1,2-Trichloroethane	3.75	3.85	3.95	103	105	70.0-130			2.56	25
Trichloroethylene	3.75	3.87	4.02	103	107	70.0-130			3.80	25
1,2,4-Trimethylbenzene	3.75	4.08	4.09	109	109	70.0-130			0.245	25
1,3,5-Trimethylbenzene	3.75	4.09	4.18	109	111	70.0-130			2.18	25
2,2,4-Trimethylpentane	3.75	3.97	4.01	106	107	70.0-130			1.00	25
Vinyl chloride	3.75	3.77	3.81	101	102	70.0-130			1.06	25
Vinyl Bromide	3.75	3.98	4.00	106	107	70.0-130			0.501	25
Vinyl acetate	3.75	2.86	3.01	76.3	80.3	70.0-130			5.11	25
m&p-Xylene	7.50	8.17	8.32	109	111	70.0-130			1.82	25
o-Xylene	3.75	4.19	4.27	112	114	70.0-130			1.89	25
(S) 1,4-Bromofluorobenzene				*99.3*	*99.5*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

CHAIN OF CUSTODY AND AN

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N	AMB	
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N	2704 56558288	

CTEH Project # PROJ - 032692

J016

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
E-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

Turnaround Requested: ☐ Normal **X** Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: **X** Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time **X**
Retain w/ storage fees after 2X hold time ☐ L17 0617

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)	
MTWA0129MC001	008067	029204	01/29/24	0516	01/29/24	2302	-28	-04	AW	X	A	61
MTWA0129MC002	012746	029332	01/29/24	0540	01/29/24	2320	-28	-02	AW	X	A	62
MTWA0129MC003	016774	009484	01/29/24	0605	01/29/24	2335	-28	-04	AW	X	A	63
MTWA0129MC004	008108	009907	01/29/24	1214	01/29/24	2351	-28	-11	AW	X	A	64
MTWA0129MC001B	029400	009481	01/29/24	2307	01/29/24	2307	-29	-8	AW	X	A	65
MTWA0129MC002B	028095	029331	01/29/24	2326	01/29/24	1700	-29	-9	AW	X	A	66
MTWA0129MC003B	013294	029254	01/29/24	2340	01/29/24	1251	-28	0	AW	X	A	67
MTWA0129MC004B	008865	009571	01/29/24	2356	01/29/24	1720	-28	-12	AW	X	A	68

aw aw

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Wattenbarger	01/31/24-1520	FedEx	01/31/24-1520	Dropped off at FedEx for shipping
		Jamesm	2-1-24 0930	

SDG #_MTWA0127MC___

ANALYTICAL REPORT

February 04, 2024

CTEH - ER

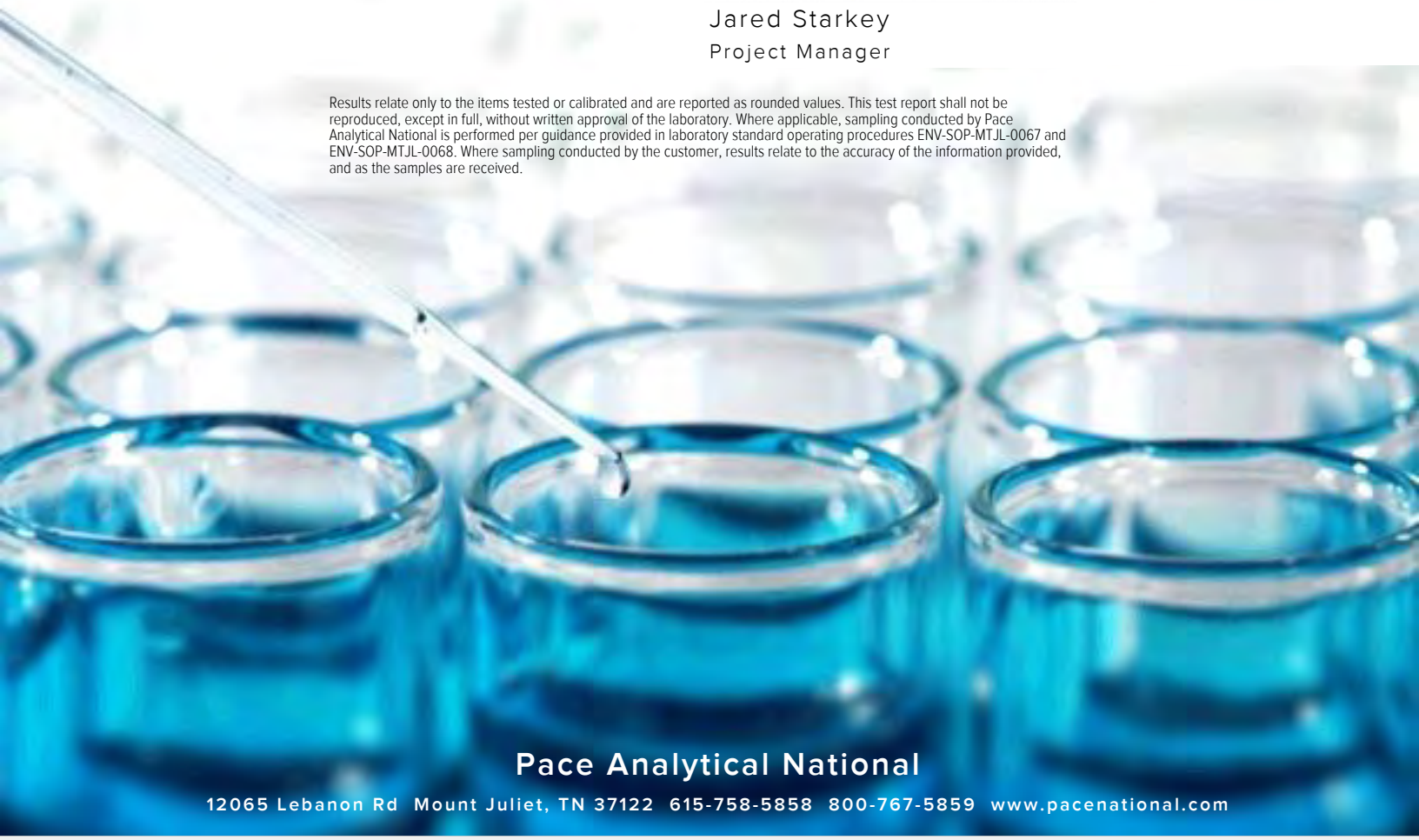
Sample Delivery Group:	L1701556
Samples Received:	02/02/2024
Project Number:	032692
Description:	

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0131MC001 L1701556-01 Air

Collected by: AW | Collected date/time: 02/01/24 05:33 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218904	1	02/02/24 14:44	02/02/24 14:44	GH	Mt. Juliet, TN

MTWA0131MC002 L1701556-02 Air

Collected by: AW | Collected date/time: 02/01/24 05:53 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218904	1	02/02/24 15:24	02/02/24 15:24	GH	Mt. Juliet, TN

MTWA0131MC003 L1701556-03 Air

Collected by: AW | Collected date/time: 02/01/24 01:45 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218904	1	02/02/24 16:03	02/02/24 16:03	GH	Mt. Juliet, TN

MTWA0131MC004 L1701556-04 Air

Collected by: AW | Collected date/time: 02/01/24 06:20 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218904	1	02/02/24 16:42	02/02/24 16:42	GH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0131MC001	L1701556-01	Acetone	67-64-1	58.10	1.25	2.97	3.93	9.34		1	WG2218904
MTWA0131MC001	L1701556-01	Butane	106-97-8	58	0.200	0.474	0.584	1.39		1	WG2218904
MTWA0131MC001	L1701556-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.611	1.26		1	WG2218904
MTWA0131MC001	L1701556-01	Ethanol	64-17-5	46.10	2.50	4.71	11.0	20.7		1	WG2218904
MTWA0131MC001	L1701556-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2218904
MTWA0131MC001	L1701556-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.484	2.39		1	WG2218904
MTWA0131MC001	L1701556-01	Pentane	109-66-0	72.15	0.200	0.590	0.775	2.29		1	WG2218904
MTWA0131MC002	L1701556-02	Acetone	67-64-1	58.10	1.25	2.97	12.7	30.2		1	WG2218904
MTWA0131MC002	L1701556-02	Benzene	71-43-2	78.10	0.200	0.639	0.781	2.49		1	WG2218904
MTWA0131MC002	L1701556-02	Butane	106-97-8	58	0.200	0.474	0.328	0.778		1	WG2218904
MTWA0131MC002	L1701556-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.937	1.94		1	WG2218904
MTWA0131MC002	L1701556-02	Ethanol	64-17-5	46.10	2.50	4.71	16.8	31.7		1	WG2218904
MTWA0131MC002	L1701556-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.241	1.35		1	WG2218904
MTWA0131MC002	L1701556-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.501	2.48		1	WG2218904
MTWA0131MC002	L1701556-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.229	0.795		1	WG2218904
MTWA0131MC002	L1701556-02	Toluene	108-88-3	92.10	0.500	1.88	1.99	7.50		1	WG2218904
MTWA0131MC003	L1701556-03	Acetone	67-64-1	58.10	1.25	2.97	6.90	16.4		1	WG2218904
MTWA0131MC003	L1701556-03	Acrylonitrile	107-13-1	53	5.00	10.8	5.15	11.2		1	WG2218904
MTWA0131MC003	L1701556-03	Benzene	71-43-2	78.10	0.200	0.639	0.206	0.658		1	WG2218904
MTWA0131MC003	L1701556-03	Butane	106-97-8	58	0.200	0.474	0.630	1.49		1	WG2218904
MTWA0131MC003	L1701556-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.620	1.28		1	WG2218904
MTWA0131MC003	L1701556-03	Ethanol	64-17-5	46.10	2.50	4.71	13.8	26.0		1	WG2218904
MTWA0131MC003	L1701556-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.234	1.31		1	WG2218904
MTWA0131MC003	L1701556-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2218904
MTWA0131MC003	L1701556-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.242	0.840		1	WG2218904
MTWA0131MC003	L1701556-03	Pentane	109-66-0	72.15	0.200	0.590	0.567	1.67		1	WG2218904
MTWA0131MC003	L1701556-03	Toluene	108-88-3	92.10	0.500	1.88	1.56	5.88		1	WG2218904
MTWA0131MC004	L1701556-04	Acetone	67-64-1	58.10	1.25	2.97	4.16	9.89		1	WG2218904
MTWA0131MC004	L1701556-04	Butane	106-97-8	58	0.200	0.474	0.429	1.02		1	WG2218904
MTWA0131MC004	L1701556-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.587	1.21		1	WG2218904
MTWA0131MC004	L1701556-04	trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.206	0.816		1	WG2218904
MTWA0131MC004	L1701556-04	Ethanol	64-17-5	46.10	2.50	4.71	4.91	9.26		1	WG2218904
MTWA0131MC004	L1701556-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.240	1.35		1	WG2218904
MTWA0131MC004	L1701556-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2218904
MTWA0131MC004	L1701556-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.202	0.701		1	WG2218904
MTWA0131MC004	L1701556-04	Pentane	109-66-0	72.15	0.200	0.590	0.375	1.11		1	WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.93	9.34		1	WG2218904
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218904
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218904
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218904
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2218904
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218904
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218904
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218904
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218904
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218904
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218904
Butane	106-97-8	58	0.200	0.474	0.584	1.39		1	WG2218904
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218904
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218904
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218904
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218904
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218904
Chloromethane	74-87-3	50.50	0.200	0.413	0.611	1.26		1	WG2218904
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218904
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218904
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218904
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218904
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218904
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218904
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218904
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218904
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218904
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218904
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218904
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218904
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218904
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218904
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218904
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218904
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218904
Ethanol	64-17-5	46.10	2.50	4.71	11.0	20.7		1	WG2218904
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218904
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218904
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2218904
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.484	2.39		1	WG2218904
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218904
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218904
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218904
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218904
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218904
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218904
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2218904
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218904
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218904
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218904
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218904
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218904
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218904
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218904
Pentane	109-66-0	72.15	0.200	0.590	0.775	2.29		1	WG2218904
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218904
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218904
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218904
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218904
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218904
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2218904
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218904
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218904
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218904
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218904
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218904
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218904
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218904
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218904
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218904
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218904
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218904
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218904
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.8*				WG2218904

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.7	30.2		1	WG2218904
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218904
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218904
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218904
Benzene	71-43-2	78.10	0.200	0.639	0.781	2.49		1	WG2218904
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218904
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218904
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218904
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218904
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218904
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218904
Butane	106-97-8	58	0.200	0.474	0.328	0.778		1	WG2218904
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218904
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218904
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218904
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218904
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218904
Chloromethane	74-87-3	50.50	0.200	0.413	0.937	1.94		1	WG2218904
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218904
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218904
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218904
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218904
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218904
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218904
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218904
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218904
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218904
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218904
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218904
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218904
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218904
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218904
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218904
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218904
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218904
Ethanol	64-17-5	46.10	2.50	4.71	16.8	31.7		1	WG2218904
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218904
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218904
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.241	1.35		1	WG2218904
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.501	2.48		1	WG2218904
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218904
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218904
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218904
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218904
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218904
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218904
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.229	0.795		1	WG2218904
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218904
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218904
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218904
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218904
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218904
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218904
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218904
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2218904
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218904
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218904
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218904
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218904
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218904
Toluene	108-88-3	92.10	0.500	1.88	1.99	7.50		1	WG2218904
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218904
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218904
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218904
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218904
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218904
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218904
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218904
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218904
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218904
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218904
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218904
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218904
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.8*				WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.90	16.4		1	WG2218904
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218904
Acrylonitrile	107-13-1	53	5.00	10.8	5.15	11.2		1	WG2218904
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218904
Benzene	71-43-2	78.10	0.200	0.639	0.206	0.658		1	WG2218904
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218904
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218904
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218904
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218904
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218904
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218904
Butane	106-97-8	58	0.200	0.474	0.630	1.49		1	WG2218904
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218904
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218904
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218904
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218904
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218904
Chloromethane	74-87-3	50.50	0.200	0.413	0.620	1.28		1	WG2218904
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218904
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218904
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218904
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218904
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218904
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218904
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218904
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218904
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218904
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218904
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218904
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218904
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218904
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218904
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218904
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218904
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218904
Ethanol	64-17-5	46.10	2.50	4.71	13.8	26.0		1	WG2218904
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218904
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218904
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.234	1.31		1	WG2218904
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2218904
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218904
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218904
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218904
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218904
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218904
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218904
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.242	0.840		1	WG2218904
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218904
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218904
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218904
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218904
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218904
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218904
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218904
Pentane	109-66-0	72.15	0.200	0.590	0.567	1.67		1	WG2218904
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218904
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218904
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218904
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218904
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218904
Toluene	108-88-3	92.10	0.500	1.88	1.56	5.88		1	WG2218904
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218904
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218904
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218904
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218904
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218904
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218904
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218904
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218904
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218904
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218904
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218904
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218904
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.0*				WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.16	9.89		1	WG2218904
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218904
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218904
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218904
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2218904
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218904
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218904
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218904
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218904
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218904
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218904
Butane	106-97-8	58	0.200	0.474	0.429	1.02		1	WG2218904
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218904
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218904
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218904
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218904
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218904
Chloromethane	74-87-3	50.50	0.200	0.413	0.587	1.21		1	WG2218904
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218904
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218904
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218904
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218904
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218904
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218904
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218904
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218904
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218904
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218904
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218904
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218904
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.206	0.816		1	WG2218904
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218904
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218904
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218904
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218904
Ethanol	64-17-5	46.10	2.50	4.71	4.91	9.26		1	WG2218904
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218904
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218904
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.240	1.35		1	WG2218904
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2218904
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2218904
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218904
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218904
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218904
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218904
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218904
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.202	0.701		1	WG2218904
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218904
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218904
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218904
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218904
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218904
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218904
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218904
Pentane	109-66-0	72.15	0.200	0.590	0.375	1.11		1	WG2218904
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2218904

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218904
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218904
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218904
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218904
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218904
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2218904
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218904
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218904
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218904
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218904
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218904
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218904
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218904
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218904
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218904
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218904
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218904
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218904
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.4*				WG2218904

Method Blank (MB)

(MB) R4029373-3 02/02/24 13:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.381	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4029373-3 02/02/24 13:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*91.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4029373-1 02/02/24 12:12 • (LCSD) R4029373-2 02/02/24 12:51

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.55	3.61	94.7	96.3	70.0-130			1.68	25
Acetonitrile	18.8	19.6	19.8	104	105	70.0-130			1.02	25
Acrylonitrile	3.75	3.48	3.59	92.8	95.7	70.0-130			3.11	25
Allyl chloride	3.75	4.44	4.22	118	113	70.0-130			5.08	25
Benzene	3.75	3.91	3.98	104	106	70.0-130			1.77	25
Benzyl Chloride	3.75	3.76	3.76	100	100	70.0-152			0.000	25
Bromodichloromethane	3.75	3.86	3.92	103	105	70.0-130			1.54	25
Bromoform	3.75	3.65	3.72	97.3	99.2	70.0-130			1.90	25
Bromomethane	3.75	3.78	3.80	101	101	70.0-130			0.528	25
Bromoethane	3.75	3.74	3.81	99.7	102	70.0-130			1.85	25
1,3-Butadiene	3.75	3.43	3.47	91.5	92.5	70.0-130			1.16	25
Butane	3.75	3.61	3.58	96.3	95.5	70.0-130			0.834	25
Carbon disulfide	3.75	3.70	3.75	98.7	100	70.0-130			1.34	25
Carbon tetrachloride	3.75	3.83	3.92	102	105	70.0-130			2.32	25
Chlorobenzene	3.75	3.81	3.89	102	104	70.0-130			2.08	25
Chloroethane	3.75	3.77	3.82	101	102	70.0-130			1.32	25
Chloroform	3.75	3.86	3.93	103	105	70.0-130			1.80	25
Chloromethane	3.75	3.69	3.69	98.4	98.4	70.0-130			0.000	25
2-Chlorotoluene	3.75	3.71	3.96	98.9	106	70.0-130			6.52	25
Cyclohexane	3.75	3.82	3.94	102	105	70.0-130			3.09	25
n-Decane	3.75	3.74	3.80	99.7	101	70.0-130			1.59	25
Dibromochloromethane	3.75	3.84	3.95	102	105	70.0-130			2.82	25
1,2-Dibromoethane	3.75	3.80	3.82	101	102	70.0-130			0.525	25
1,2-Dichlorobenzene	3.75	3.64	3.76	97.1	100	70.0-130			3.24	25
1,3-Dichlorobenzene	3.75	3.67	3.72	97.9	99.2	70.0-130			1.35	25
1,4-Dichlorobenzene	3.75	3.75	3.83	100	102	70.0-130			2.11	25
1,2-Dichloroethane	3.75	3.87	3.94	103	105	70.0-130			1.79	25
1,1-Dichloroethane	3.75	3.85	4.00	103	107	70.0-130			3.82	25
1,1-Dichloroethene	3.75	3.84	3.80	102	101	70.0-130			1.05	25
cis-1,2-Dichloroethene	3.75	3.85	3.87	103	103	70.0-130			0.518	25
trans-1,2-Dichloroethene	3.75	3.85	3.91	103	104	70.0-130			1.55	25
1,2-Dichloropropane	3.75	4.01	4.02	107	107	70.0-130			0.249	25
cis-1,3-Dichloropropene	3.75	3.66	3.79	97.6	101	70.0-130			3.49	25
trans-1,3-Dichloropropene	3.75	3.73	3.78	99.5	101	70.0-130			1.33	25
1,4-Dioxane	3.75	3.74	3.77	99.7	101	70.0-140			0.799	25
Ethanol	3.75	3.55	3.62	94.7	96.5	55.0-148			1.95	25
Ethylbenzene	3.75	3.76	3.85	100	103	70.0-130			2.37	25
4-Ethyltoluene	3.75	3.73	3.80	99.5	101	70.0-130			1.86	25
Trichlorofluoromethane	3.75	3.88	3.93	103	105	70.0-130			1.28	25
Dichlorodifluoromethane	3.75	3.91	4.02	104	107	64.0-139			2.77	25

QUALITY CONTROL SUMMARY

L1701556-01,02,03,04

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4029373-1 02/02/24 12:12 • (LCSD) R4029373-2 02/02/24 12:51

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.89	3.87	104	103	70.0-130			0.515	25
1,2-Dichlorotetrafluoroethane	3.75	3.81	3.91	102	104	70.0-130			2.59	25
Heptane	3.75	4.25	4.32	113	115	70.0-130			1.63	25
Hexachloro-1,3-butadiene	3.75	3.40	3.48	90.7	92.8	70.0-151			2.33	25
n-Hexane	3.75	3.85	3.93	103	105	70.0-130			2.06	25
Isopropylbenzene	3.75	3.78	3.83	101	102	70.0-130			1.31	25
Methylene Chloride	3.75	3.87	3.96	103	106	70.0-130			2.30	25
Methyl Butyl Ketone	3.75	4.04	4.09	108	109	70.0-149			1.23	25
2-Butanone (MEK)	3.75	3.79	3.84	101	102	70.0-130			1.31	25
4-Methyl-2-pentanone (MIBK)	3.75	3.76	3.84	100	102	70.0-139			2.11	25
Methyl methacrylate	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
MTBE	3.75	3.77	3.78	101	101	70.0-130			0.265	25
Naphthalene	3.75	3.67	3.72	97.9	99.2	70.0-159			1.35	25
Nonane	3.75	3.92	3.99	105	106	70.0-130			1.77	25
Pentane	3.75	3.78	3.87	101	103	70.0-130			2.35	25
2-Propanol	3.75	3.58	3.66	95.5	97.6	70.0-139			2.21	25
Propene	3.75	3.59	3.66	95.7	97.6	64.0-144			1.93	25
Styrene	3.75	3.64	3.66	97.1	97.6	70.0-130			0.548	25
1,1,2,2-Tetrachloroethane	3.75	3.55	3.73	94.7	99.5	70.0-130			4.95	25
Tetrachloroethylene	3.75	3.86	3.93	103	105	70.0-130			1.80	25
Tetrahydrofuran	3.75	3.75	3.77	100	101	70.0-137			0.532	25
Toluene	3.75	3.76	3.86	100	103	70.0-130			2.62	25
1,2,4-Trichlorobenzene	3.75	3.62	3.65	96.5	97.3	70.0-160			0.825	25
1,1,1-Trichloroethane	3.75	3.85	3.91	103	104	70.0-130			1.55	25
1,1,2-Trichloroethane	3.75	3.68	3.86	98.1	103	70.0-130			4.77	25
Trichloroethylene	3.75	3.81	3.91	102	104	70.0-130			2.59	25
1,2,4-Trimethylbenzene	3.75	3.75	3.71	100	98.9	70.0-130			1.07	25
1,3,5-Trimethylbenzene	3.75	3.76	3.82	100	102	70.0-130			1.58	25
2,2,4-Trimethylpentane	3.75	3.91	3.98	104	106	70.0-130			1.77	25
Vinyl chloride	3.75	3.65	3.70	97.3	98.7	70.0-130			1.36	25
Vinyl Bromide	3.75	3.82	3.88	102	103	70.0-130			1.56	25
Vinyl acetate	3.75	3.44	3.60	91.7	96.0	70.0-130			4.55	25
m&p-Xylene	7.50	7.55	7.70	101	103	70.0-130			1.97	25
o-Xylene	3.75	3.73	3.90	99.5	104	70.0-130			4.46	25
(S) 1,4-Bromofluorobenzene				*97.4*	*96.8*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J060

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
E-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # PROJ - 032692

Turnaround Requested: ☐ Normal X Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: X Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time X
Retain w/ storage fees after 2X hold time ☐ L17 01556

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0131MC001	021449	011673	01/31/24	1055	02/01/24	0533	-29	-9	AW	X	A
MTWA0131MC002	015610	028698	01/31/24	1117	02/01/24	0553	-29	-9	AW	X	A
MTWA0131MC003	008224	028277	01/31/24	0843	02/01/24	0145	-29	-8	AW	X	A
MTWA0131MC004	015576	022595	01/31/24	1131	02/01/24	0620	-29	-6	AW	X	A

Sample Receipt Checklist

		If Applicable	
COC Seal Present/Intact:	Y N	VOA Zero Headspace:	Y N
COC Signed/Accurate:	Y N	Pres. Correct/Check:	Y N
Bottles arrive intact:	Y N		
Correct bottles used:	Y N	AMB	
Sufficient volume sent:	W N	2704 9144 9205	
RA Screen <0.5 mR/hr:	Y N		

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Watkins	02/01/24-1045	FedEx	02/01/24 - 1045	Dropped off at FedEx for shipping
Ezrell Watkins	02/01/24 - 1045	Jamaun	2-2-24 0900	

SDG #_MTWA0131MC___

ANALYTICAL REPORT

February 05, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

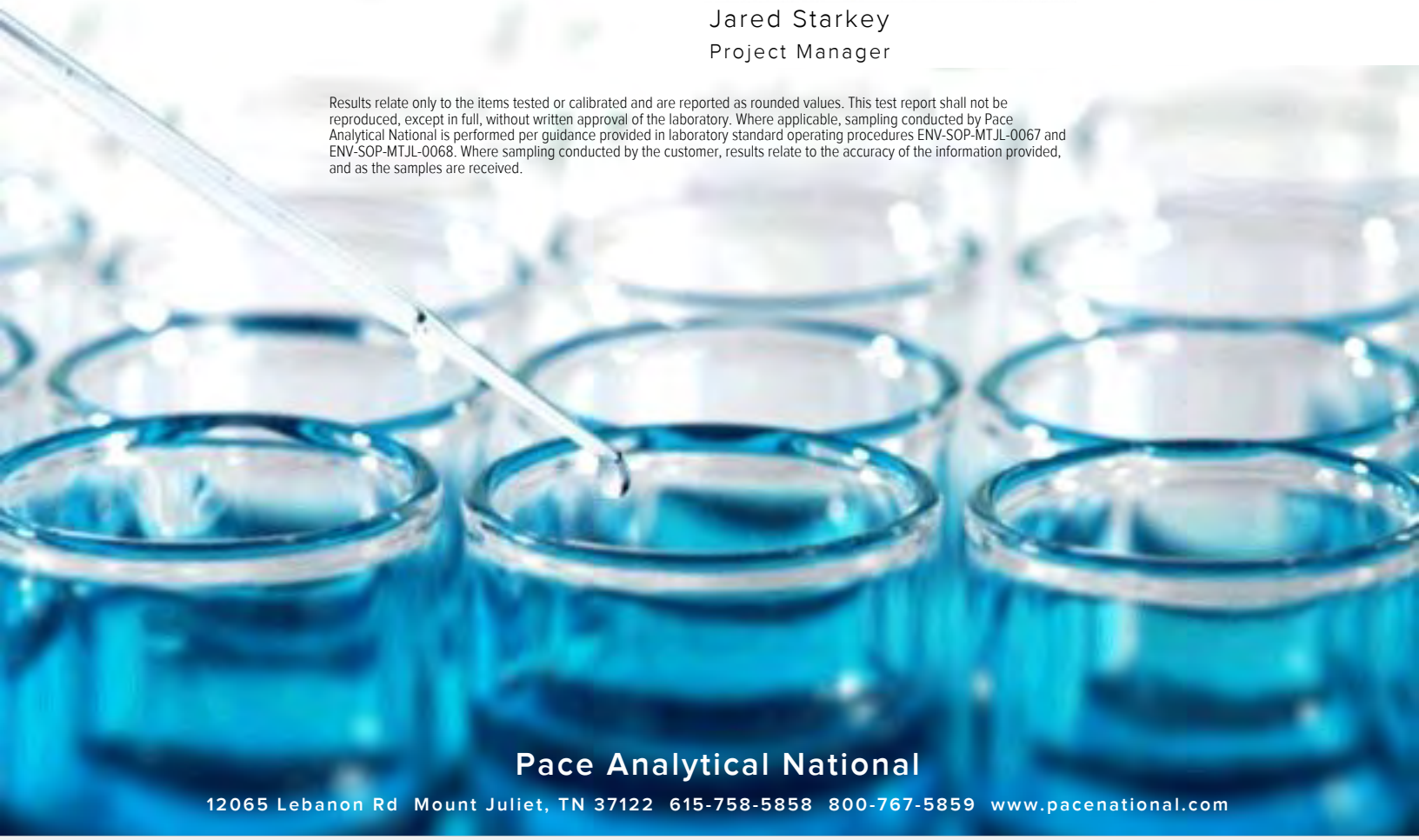
CTEH - ER

Sample Delivery Group:	L1701558
Samples Received:	02/02/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA0130MC001 L1701558-01 Air

Collected by: AW | Collected date/time: 01/30/24 10:51 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218909	1	02/02/24 14:54	02/02/24 14:54	GH	Mt. Juliet, TN

MTWA0130MC002 L1701558-02 Air

Collected by: AW | Collected date/time: 01/30/24 11:09 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218909	1	02/02/24 15:39	02/02/24 15:39	GH	Mt. Juliet, TN

MTWA0130MC003 L1701558-03 Air

Collected by: AW | Collected date/time: 01/30/24 08:36 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218909	1	02/02/24 16:22	02/02/24 16:22	GH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2219304	1	02/03/24 10:13	02/03/24 10:13	DBB	Mt. Juliet, TN

MTWA0130MC004 L1701558-04 Air

Collected by: AW | Collected date/time: 01/30/24 11:26 | Received date/time: 02/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2218909	1	02/02/24 17:07	02/02/24 17:07	GH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2219304	1	02/03/24 10:39	02/03/24 10:39	DBB	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2218909	(LCSD) R4029375-3, L1701558-01, 02	1,1,2-Trichlorotrifluoroethane

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2219304	(LCSD) R4029624-3, L1701558-03, 04	Dichlorodifluoromethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2219304	(LCSD) R4029624-3, L1701558-03, 04	Dichlorodifluoromethane

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0130MC001	L1701558-01	Acetone	67-64-1	58.10	1.25	2.97	12.1	28.8		1	WG2218909
MTWA0130MC001	L1701558-01	Benzene	71-43-2	78.10	0.200	0.639	0.930	2.97		1	WG2218909
MTWA0130MC001	L1701558-01	Butane	106-97-8	58	0.200	0.474	1.04	2.47		1	WG2218909
MTWA0130MC001	L1701558-01	Carbon disulfide	75-15-0	76.10	0.200	0.622	0.220	0.685		1	WG2218909
MTWA0130MC001	L1701558-01	Chloroethane	75-00-3	64.50	0.200	0.528	0.259	0.683		1	WG2218909
MTWA0130MC001	L1701558-01	Chloromethane	74-87-3	50.50	0.200	0.413	2.40	4.96		1	WG2218909
MTWA0130MC001	L1701558-01	Ethanol	64-17-5	46.10	2.50	4.71	22.6	42.6		1	WG2218909
MTWA0130MC001	L1701558-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.371	2.08		1	WG2218909
MTWA0130MC001	L1701558-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.576	2.85		1	WG2218909
MTWA0130MC001	L1701558-01	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.465	2.29		1	WG2218909
MTWA0130MC001	L1701558-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.408	1.42		1	WG2218909
MTWA0130MC001	L1701558-01	Pentane	109-66-0	72.15	0.200	0.590	3.47	10.2		1	WG2218909
MTWA0130MC001	L1701558-01	2-Propanol	67-63-0	60.10	1.25	3.07	1.48	3.64		1	WG2218909
MTWA0130MC001	L1701558-01	Toluene	108-88-3	92.10	0.500	1.88	1.81	6.82		1	WG2218909
MTWA0130MC002	L1701558-02	Acetone	67-64-1	58.10	1.25	2.97	13.0	30.9		1	WG2218909
MTWA0130MC002	L1701558-02	Butane	106-97-8	58	0.200	0.474	0.605	1.44		1	WG2218909
MTWA0130MC002	L1701558-02	Chloromethane	74-87-3	50.50	0.200	0.413	1.00	2.07		1	WG2218909
MTWA0130MC002	L1701558-02	Ethanol	64-17-5	46.10	2.50	4.71	19.6	37.0		1	WG2218909
MTWA0130MC002	L1701558-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.370	2.08		1	WG2218909
MTWA0130MC002	L1701558-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.670	3.31		1	WG2218909
MTWA0130MC002	L1701558-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.285	0.990		1	WG2218909
MTWA0130MC002	L1701558-02	Pentane	109-66-0	72.15	0.200	0.590	0.263	0.776		1	WG2218909
MTWA0130MC002	L1701558-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.45	6.02		1	WG2218909
MTWA0130MC002	L1701558-02	Toluene	108-88-3	92.10	0.500	1.88	0.526	1.98		1	WG2218909
MTWA0130MC003	L1701558-03	Acetone	67-64-1	58.10	1.25	2.97	7.11	16.9		1	WG2219304
MTWA0130MC003	L1701558-03	Benzene	71-43-2	78.10	0.200	0.639	0.269	0.859		1	WG2219304
MTWA0130MC003	L1701558-03	Butane	106-97-8	58	0.200	0.474	0.611	1.45		1	WG2219304
MTWA0130MC003	L1701558-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.570	1.18		1	WG2219304
MTWA0130MC003	L1701558-03	Ethanol	64-17-5	46.10	2.50	4.71	17.5	33.0		1	WG2219304
MTWA0130MC003	L1701558-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG2219304
MTWA0130MC003	L1701558-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.231	0.802		1	WG2219304
MTWA0130MC003	L1701558-03	Pentane	109-66-0	72.15	0.200	0.590	0.397	1.17		1	WG2219304
MTWA0130MC003	L1701558-03	Toluene	108-88-3	92.10	0.500	1.88	0.999	3.76		1	WG2219304
MTWA0130MC004	L1701558-04	Acetone	67-64-1	58.10	1.25	2.97	8.95	21.3		1	WG2219304
MTWA0130MC004	L1701558-04	Butane	106-97-8	58	0.200	0.474	0.690	1.64		1	WG2219304
MTWA0130MC004	L1701558-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.636	1.31		1	WG2219304
MTWA0130MC004	L1701558-04	Ethanol	64-17-5	46.10	2.50	4.71	32.1	60.5		1	WG2219304
MTWA0130MC004	L1701558-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2219304
MTWA0130MC004	L1701558-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.413	2.04	J3 J4	1	WG2219304
MTWA0130MC004	L1701558-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.395	1.37		1	WG2219304
MTWA0130MC004	L1701558-04	Pentane	109-66-0	72.15	0.200	0.590	0.980	2.89		1	WG2219304
MTWA0130MC004	L1701558-04	2-Propanol	67-63-0	60.10	1.25	3.07	2.64	6.49		1	WG2219304
MTWA0130MC004	L1701558-04	Toluene	108-88-3	92.10	0.500	1.88	0.886	3.34		1	WG2219304

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.1	28.8		1	WG2218909
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218909
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218909
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218909
Benzene	71-43-2	78.10	0.200	0.639	0.930	2.97		1	WG2218909
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218909
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218909
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218909
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218909
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218909
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218909
Butane	106-97-8	58	0.200	0.474	1.04	2.47		1	WG2218909
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.220	0.685		1	WG2218909
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218909
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218909
Chloroethane	75-00-3	64.50	0.200	0.528	0.259	0.683		1	WG2218909
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218909
Chloromethane	74-87-3	50.50	0.200	0.413	2.40	4.96		1	WG2218909
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218909
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218909
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218909
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218909
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218909
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218909
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218909
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218909
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218909
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218909
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218909
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218909
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218909
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218909
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218909
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218909
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218909
Ethanol	64-17-5	46.10	2.50	4.71	22.6	42.6		1	WG2218909
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218909
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218909
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.371	2.08		1	WG2218909
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.576	2.85		1	WG2218909
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND	J4	1	WG2218909
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218909
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218909
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218909
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218909
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.465	2.29		1	WG2218909
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.408	1.42		1	WG2218909
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218909
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218909
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218909
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218909
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218909
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218909
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218909
Pentane	109-66-0	72.15	0.200	0.590	3.47	10.2		1	WG2218909
2-Propanol	67-63-0	60.10	1.25	3.07	1.48	3.64		1	WG2218909

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218909
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218909
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218909
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218909
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218909
Toluene	108-88-3	92.10	0.500	1.88	1.81	6.82		1	WG2218909
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218909
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218909
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218909
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218909
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218909
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218909
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218909
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218909
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218909
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218909
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218909
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218909
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2218909

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	13.0	30.9		1	WG2218909
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2218909
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2218909
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2218909
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2218909
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218909
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2218909
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218909
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2218909
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2218909
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2218909
Butane	106-97-8	58	0.200	0.474	0.605	1.44		1	WG2218909
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2218909
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2218909
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2218909
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2218909
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2218909
Chloromethane	74-87-3	50.50	0.200	0.413	1.00	2.07		1	WG2218909
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218909
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2218909
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218909
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2218909
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2218909
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218909
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218909
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218909
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2218909
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2218909
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2218909
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2218909
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2218909
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2218909
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2218909
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2218909
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2218909
Ethanol	64-17-5	46.10	2.50	4.71	19.6	37.0		1	WG2218909
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218909
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218909
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.370	2.08		1	WG2218909
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.670	3.31		1	WG2218909
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND	J4	1	WG2218909
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2218909
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2218909
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218909
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2218909
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218909
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.285	0.990		1	WG2218909
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2218909
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2218909
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2218909
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2218909
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2218909
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218909
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2218909
Pentane	109-66-0	72.15	0.200	0.590	0.263	0.776		1	WG2218909
2-Propanol	67-63-0	60.10	1.25	3.07	2.45	6.02		1	WG2218909

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2218909
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218909
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218909
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2218909
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2218909
Toluene	108-88-3	92.10	0.500	1.88	0.526	1.98		1	WG2218909
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218909
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2218909
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2218909
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2218909
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218909
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218909
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2218909
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2218909
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2218909
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2218909
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218909
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218909
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.1*				WG2218909

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.11	16.9		1	WG2219304
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2219304
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2219304
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2219304
Benzene	71-43-2	78.10	0.200	0.639	0.269	0.859		1	WG2219304
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218909
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2219304
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218909
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2219304
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2219304
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2219304
Butane	106-97-8	58	0.200	0.474	0.611	1.45		1	WG2219304
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2219304
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2219304
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2219304
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2219304
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2219304
Chloromethane	74-87-3	50.50	0.200	0.413	0.570	1.18		1	WG2219304
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218909
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2219304
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218909
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2219304
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2219304
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218909
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218909
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218909
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2219304
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2219304
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2219304
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2219304
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2219304
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2219304
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2219304
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2219304
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2219304
Ethanol	64-17-5	46.10	2.50	4.71	17.5	33.0		1	WG2219304
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218909
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218909
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG2219304
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND	J3 J4	1	WG2219304
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2219304
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2219304
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2219304
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218909
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2219304
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218909
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.231	0.802		1	WG2219304
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2219304
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2219304
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2219304
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2219304
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2219304
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218909
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2219304
Pentane	109-66-0	72.15	0.200	0.590	0.397	1.17		1	WG2219304
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2219304

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2219304
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218909
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218909
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2219304
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2219304
Toluene	108-88-3	92.10	0.500	1.88	0.999	3.76		1	WG2219304
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218909
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2219304
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2219304
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2219304
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218909
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218909
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2219304
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2219304
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2219304
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2219304
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218909
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218909
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.6*				WG2218909
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.3*				WG2219304

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.95	21.3		1	WG2219304
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2219304
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2219304
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2219304
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2219304
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2218909
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2219304
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2218909
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2219304
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2219304
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2219304
Butane	106-97-8	58	0.200	0.474	0.690	1.64		1	WG2219304
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2219304
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2219304
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2219304
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2219304
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2219304
Chloromethane	74-87-3	50.50	0.200	0.413	0.636	1.31		1	WG2219304
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2218909
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2219304
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2218909
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2219304
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2219304
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2218909
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2218909
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2218909
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2219304
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2219304
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2219304
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2219304
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2219304
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2219304
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2219304
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2219304
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2219304
Ethanol	64-17-5	46.10	2.50	4.71	32.1	60.5		1	WG2219304
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2218909
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2218909
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2219304
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.413	2.04	J3 J4	1	WG2219304
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2219304
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2219304
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2219304
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2218909
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2219304
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2218909
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.395	1.37		1	WG2219304
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2219304
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2219304
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2219304
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2219304
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2219304
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2218909
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2219304
Pentane	109-66-0	72.15	0.200	0.590	0.980	2.89		1	WG2219304
2-Propanol	67-63-0	60.10	1.25	3.07	2.64	6.49		1	WG2219304

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2219304
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2218909
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2218909
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2219304
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2219304
Toluene	108-88-3	92.10	0.500	1.88	0.886	3.34		1	WG2219304
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2218909
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2219304
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2219304
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2219304
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2218909
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2218909
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2219304
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2219304
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2219304
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2219304
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2218909
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2218909
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG2218909
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.9*				WG2219304

Method Blank (MB)

(MB) R4029375-1 02/02/24 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.261	J	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.678	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4029375-1 02/02/24 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*98.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4029375-2 02/02/24 11:22 • (LCSD) R4029375-3 02/02/24 12:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.96	3.94	106	105	70.0-130			0.506	25
Acetonitrile	18.8	19.3	19.7	103	105	70.0-130			2.05	25
Acrylonitrile	3.75	3.91	3.95	104	105	70.0-130			1.02	25
Allyl chloride	3.75	4.10	4.24	109	113	70.0-130			3.36	25
Benzene	3.75	4.32	4.21	115	112	70.0-130			2.58	25
Benzyl Chloride	3.75	4.24	4.29	113	114	70.0-152			1.17	25
Bromodichloromethane	3.75	4.32	4.29	115	114	70.0-130			0.697	25
Bromoform	3.75	4.14	4.22	110	113	70.0-130			1.91	25
Bromomethane	3.75	4.31	4.27	115	114	70.0-130			0.932	25
Bromoethane	3.75	4.22	4.22	113	113	70.0-130			0.000	25
1,3-Butadiene	3.75	3.86	4.21	103	112	70.0-130			8.67	25
Butane	3.75	4.17	4.36	111	116	70.0-130			4.45	25
Carbon disulfide	3.75	3.95	3.98	105	106	70.0-130			0.757	25
Carbon tetrachloride	3.75	4.31	4.43	115	118	70.0-130			2.75	25
Chlorobenzene	3.75	4.44	4.36	118	116	70.0-130			1.82	25
Chloroethane	3.75	4.01	4.28	107	114	70.0-130			6.51	25
Chloroform	3.75	4.18	4.24	111	113	70.0-130			1.43	25
Chloromethane	3.75	4.15	4.32	111	115	70.0-130			4.01	25
2-Chlorotoluene	3.75	4.42	4.42	118	118	70.0-130			0.000	25
Cyclohexane	3.75	4.10	4.27	109	114	70.0-130			4.06	25
n-Decane	3.75	4.19	4.29	112	114	70.0-130			2.36	25
Dibromochloromethane	3.75	4.39	4.37	117	117	70.0-130			0.457	25
1,2-Dibromoethane	3.75	4.34	4.38	116	117	70.0-130			0.917	25
1,2-Dichlorobenzene	3.75	4.42	4.46	118	119	70.0-130			0.901	25
1,3-Dichlorobenzene	3.75	4.43	4.42	118	118	70.0-130			0.226	25
1,4-Dichlorobenzene	3.75	4.43	4.58	118	122	70.0-130			3.33	25
1,2-Dichloroethane	3.75	4.31	4.32	115	115	70.0-130			0.232	25
1,1-Dichloroethane	3.75	4.02	4.03	107	107	70.0-130			0.248	25
1,1-Dichloroethene	3.75	3.93	4.46	105	119	70.0-130			12.6	25
cis-1,2-Dichloroethene	3.75	4.15	4.28	111	114	70.0-130			3.08	25
trans-1,2-Dichloroethene	3.75	4.13	4.21	110	112	70.0-130			1.92	25
1,2-Dichloropropane	3.75	4.11	4.06	110	108	70.0-130			1.22	25
cis-1,3-Dichloropropene	3.75	4.09	4.39	109	117	70.0-130			7.08	25
trans-1,3-Dichloropropene	3.75	4.21	4.31	112	115	70.0-130			2.35	25
1,4-Dioxane	3.75	4.15	4.12	111	110	70.0-140			0.726	25
Ethanol	3.75	3.84	4.22	102	113	55.0-148			9.43	25
Ethylbenzene	3.75	4.00	4.19	107	112	70.0-130			4.64	25
4-Ethyltoluene	3.75	4.44	4.36	118	116	70.0-130			1.82	25
Trichlorofluoromethane	3.75	4.53	4.59	121	122	70.0-130			1.32	25
Dichlorodifluoromethane	3.75	3.62	3.97	96.5	106	64.0-139			9.22	25

QUALITY CONTROL SUMMARY

L1701558-01,02,03,04

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4029375-2 02/02/24 11:22 • (LCSD) R4029375-3 02/02/24 12:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.15	4.98	111	133	70.0-130		J4	18.2	25
1,2-Dichlorotetrafluoroethane	3.75	4.38	4.47	117	119	70.0-130			2.03	25
Heptane	3.75	4.51	4.32	120	115	70.0-130			4.30	25
Hexachloro-1,3-butadiene	3.75	4.50	4.57	120	122	70.0-151			1.54	25
n-Hexane	3.75	4.03	4.19	107	112	70.0-130			3.89	25
Isopropylbenzene	3.75	4.33	4.44	115	118	70.0-130			2.51	25
Methylene Chloride	3.75	4.01	4.11	107	110	70.0-130			2.46	25
Methyl Butyl Ketone	3.75	4.37	4.23	117	113	70.0-149			3.26	25
2-Butanone (MEK)	3.75	4.16	4.12	111	110	70.0-130			0.966	25
4-Methyl-2-pentanone (MIBK)	3.75	4.21	4.30	112	115	70.0-139			2.12	25
Methyl methacrylate	3.75	4.04	4.09	108	109	70.0-130			1.23	25
MTBE	3.75	4.27	4.29	114	114	70.0-130			0.467	25
Naphthalene	3.75	4.65	4.70	124	125	70.0-159			1.07	25
Nonane	3.75	4.24	4.17	113	111	70.0-130			1.66	25
Pentane	3.75	3.94	4.18	105	111	70.0-130			5.91	25
2-Propanol	3.75	4.06	4.05	108	108	70.0-139			0.247	25
Propene	3.75	4.14	4.29	110	114	64.0-144			3.56	25
Styrene	3.75	4.33	4.49	115	120	70.0-130			3.63	25
1,1,2,2-Tetrachloroethane	3.75	4.22	4.18	113	111	70.0-130			0.952	25
Tetrachloroethylene	3.75	4.51	4.40	120	117	70.0-130			2.47	25
Tetrahydrofuran	3.75	3.96	3.98	106	106	70.0-137			0.504	25
Toluene	3.75	4.33	4.37	115	117	70.0-130			0.920	25
1,2,4-Trichlorobenzene	3.75	4.62	4.66	123	124	70.0-160			0.862	25
1,1,1-Trichloroethane	3.75	4.29	4.49	114	120	70.0-130			4.56	25
1,1,2-Trichloroethane	3.75	4.28	4.30	114	115	70.0-130			0.466	25
Trichloroethylene	3.75	4.15	4.28	111	114	70.0-130			3.08	25
1,2,4-Trimethylbenzene	3.75	4.39	4.49	117	120	70.0-130			2.25	25
1,3,5-Trimethylbenzene	3.75	4.56	4.52	122	121	70.0-130			0.881	25
2,2,4-Trimethylpentane	3.75	4.03	4.21	107	112	70.0-130			4.37	25
Vinyl chloride	3.75	4.04	4.29	108	114	70.0-130			6.00	25
Vinyl Bromide	3.75	4.32	4.45	115	119	70.0-130			2.96	25
Vinyl acetate	3.75	3.96	3.84	106	102	70.0-130			3.08	25
m&p-Xylene	7.50	8.48	8.71	113	116	70.0-130			2.68	25
o-Xylene	3.75	4.19	4.28	112	114	70.0-130			2.13	25
(S) 1,4-Bromofluorobenzene				*94.9*	*98.4*	*60.0-140*				

Method Blank (MB)

(MB) R4029624-2 02/03/24 08:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Bromodichloromethane	U		0.0702	0.200
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.428	J	0.265	2.50
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
n-Hexane	U		0.206	0.630
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200

Method Blank (MB)

(MB) R4029624-2 02/03/24 08:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
MTBE	U		0.0647	0.200
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
(S) 1,4-Bromofluorobenzene	*97.8*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4029624-1 02/03/24 07:42 • (LCSD) R4029624-3 02/03/24 08:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.82	3.78	102	101	70.0-130			1.05	25
Acetonitrile	18.8	19.9	19.6	106	104	70.0-130			1.52	25
Acrylonitrile	3.75	3.89	3.86	104	103	70.0-130			0.774	25
Allyl chloride	3.75	3.89	3.87	104	103	70.0-130			0.515	25
Benzene	3.75	3.98	3.91	106	104	70.0-130			1.77	25
Bromodichloromethane	3.75	4.00	3.93	107	105	70.0-130			1.77	25
Bromomethane	3.75	3.85	3.84	103	102	70.0-130			0.260	25
Bromoethane	3.75	3.93	3.91	105	104	70.0-130			0.510	25
1,3-Butadiene	3.75	4.22	4.14	113	110	70.0-130			1.91	25
Butane	3.75	3.91	3.87	104	103	70.0-130			1.03	25
Carbon disulfide	3.75	3.94	3.84	105	102	70.0-130			2.57	25
Carbon tetrachloride	3.75	3.90	3.86	104	103	70.0-130			1.03	25
Chlorobenzene	3.75	3.95	3.89	105	104	70.0-130			1.53	25
Chloroethane	3.75	3.88	3.82	103	102	70.0-130			1.56	25
Chloroform	3.75	3.94	3.89	105	104	70.0-130			1.28	25
Chloromethane	3.75	3.91	3.86	104	103	70.0-130			1.29	25
Cyclohexane	3.75	3.83	3.79	102	101	70.0-130			1.05	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4029624-1 02/03/24 07:42 • (LCSD) R4029624-3 02/03/24 08:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibromochloromethane	3.75	4.03	3.96	107	106	70.0-130			1.75	25
1,2-Dibromoethane	3.75	3.99	3.96	106	106	70.0-130			0.755	25
1,2-Dichloroethane	3.75	3.99	3.95	106	105	70.0-130			1.01	25
1,1-Dichloroethane	3.75	3.94	3.88	105	103	70.0-130			1.53	25
1,1-Dichloroethene	3.75	3.92	3.89	105	104	70.0-130			0.768	25
cis-1,2-Dichloroethene	3.75	3.87	3.86	103	103	70.0-130			0.259	25
trans-1,2-Dichloroethene	3.75	3.92	3.91	105	104	70.0-130			0.255	25
1,2-Dichloropropane	3.75	4.04	3.98	108	106	70.0-130			1.50	25
cis-1,3-Dichloropropene	3.75	4.17	3.98	111	106	70.0-130			4.66	25
trans-1,3-Dichloropropene	3.75	3.86	3.75	103	100	70.0-130			2.89	25
1,4-Dioxane	3.75	3.98	4.30	106	115	70.0-140			7.73	25
Ethanol	3.75	3.49	3.62	93.1	96.5	55.0-148			3.66	25
Trichlorofluoromethane	3.75	3.93	3.89	105	104	70.0-130			1.02	25
Dichlorodifluoromethane	3.75	3.92	2.34	105	62.4	64.0-139		J3 J4	50.5	25
1,1,2-Trichlorotrifluoroethane	3.75	3.88	3.85	103	103	70.0-130			0.776	25
1,2-Dichlorotetrafluoroethane	3.75	4.10	3.60	109	96.0	70.0-130			13.0	25
Heptane	3.75	3.99	3.95	106	105	70.0-130			1.01	25
n-Hexane	3.75	3.91	3.84	104	102	70.0-130			1.81	25
Methylene Chloride	3.75	3.99	3.89	106	104	70.0-130			2.54	25
Methyl Butyl Ketone	3.75	4.63	4.79	123	128	70.0-149			3.40	25
2-Butanone (MEK)	3.75	3.97	3.86	106	103	70.0-130			2.81	25
4-Methyl-2-pentanone (MIBK)	3.75	4.13	4.12	110	110	70.0-139			0.242	25
Methyl methacrylate	3.75	3.95	3.85	105	103	70.0-130			2.56	25
MTBE	3.75	3.87	3.80	103	101	70.0-130			1.83	25
Nonane	3.75	4.10	4.04	109	108	70.0-130			1.47	25
Pentane	3.75	3.90	3.86	104	103	70.0-130			1.03	25
2-Propanol	3.75	4.06	4.35	108	116	70.0-139			6.90	25
Propene	3.75	4.18	3.92	111	105	64.0-144			6.42	25
Tetrachloroethylene	3.75	3.92	3.90	105	104	70.0-130			0.512	25
Tetrahydrofuran	3.75	4.04	3.90	108	104	70.0-137			3.53	25
Toluene	3.75	3.90	3.88	104	103	70.0-130			0.514	25
1,1,1-Trichloroethane	3.75	3.92	3.79	105	101	70.0-130			3.37	25
1,1,2-Trichloroethane	3.75	3.98	3.94	106	105	70.0-130			1.01	25
Trichloroethylene	3.75	3.97	3.91	106	104	70.0-130			1.52	25
2,2,4-Trimethylpentane	3.75	3.90	3.88	104	103	70.0-130			0.514	25
Vinyl chloride	3.75	3.95	4.00	105	107	70.0-130			1.26	25
Vinyl Bromide	3.75	3.88	3.82	103	102	70.0-130			1.56	25
Vinyl acetate	3.75	3.96	3.88	106	103	70.0-130			2.04	25
(S) 1,4-Bromofluorobenzene				*99.5*	*101*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J059

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
E-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project # PROJ - 032692

Turnaround Requested: ☐ Normal **X** Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: **X** Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time **X**
Retain w/ storage fees after 2X hold time ☐

Lab ID 1558

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix
MTWA0130MC001	029610	028241	01/30/24	1652	01/30/24	1051	-29	-8	AW	X	A -01
MTWA0130MC002	014312	010281	01/30/24	1709	01/30/24	1109	-29	-9	AW	X	A -02
MTWA0130MC003	022817	028660	01/30/24	1259	01/30/24	0836	-29	-7	AW	X	A -03
MTWA0130MC004	010231	023515	01/30/24	1724	01/30/24	1126	-29	-8	AW	X	A -04

Matrix: A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N	AMB	
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N	2704 9144 9205	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Walters	02/01/24-1045	FedEx	02/01/24-1045	Dropped off at FedEx for shipping
Abigail Walter	02/01/24-1045	Jamean	2-2-24 0900	

SDG #_MTWA0130MC___

ANALYTICAL REPORT

February 06, 2024

CTEH - ER

Sample Delivery Group:	L1702301
Samples Received:	02/06/2024
Project Number:	032692
Description:	

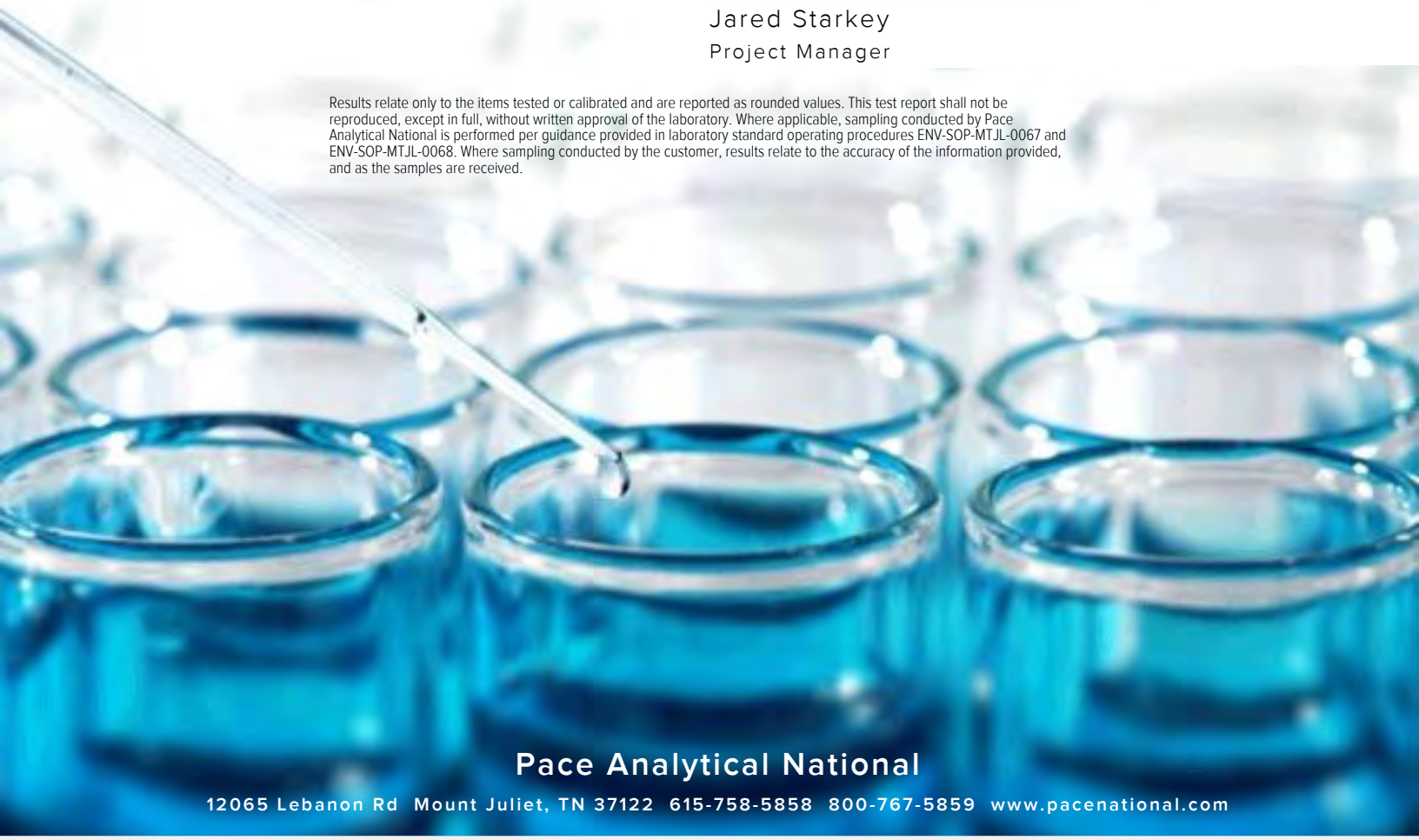
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0201MC001 L1702301-01 Air

Collected by	Collected date/time	Received date/time
	02/01/24 23:56	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220836	1	02/06/24 12:18	02/06/24 12:18	SDS	Mt. Juliet, TN

MTWA0201MC002 L1702301-02 Air

Collected by	Collected date/time	Received date/time
	02/01/24 23:07	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220836	1	02/06/24 12:58	02/06/24 12:58	SDS	Mt. Juliet, TN

MTWA0201MC003 L1702301-03 Air

Collected by	Collected date/time	Received date/time
	02/01/24 23:32	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220836	1	02/06/24 13:36	02/06/24 13:36	SDS	Mt. Juliet, TN

MTWA0201MC004 L1702301-04 Air

Collected by	Collected date/time	Received date/time
	02/01/24 23:53	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220836	1	02/06/24 14:17	02/06/24 14:17	SDS	Mt. Juliet, TN

MTWA0201MC001B L1702301-05 Air

Collected by	Collected date/time	Received date/time
	02/01/24 17:46	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220837	1	02/06/24 12:05	02/06/24 12:05	MNP	Mt. Juliet, TN

MTWA0201MC002B L1702301-06 Air

Collected by	Collected date/time	Received date/time
	02/01/24 17:56	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220837	1	02/06/24 12:44	02/06/24 12:44	MNP	Mt. Juliet, TN

MTWA0201MC003B L1702301-07 Air

Collected by	Collected date/time	Received date/time
	02/01/24 18:08	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220837	1	02/06/24 13:23	02/06/24 13:23	MNP	Mt. Juliet, TN

MTWA0201MC004B L1702301-08 Air

Collected by	Collected date/time	Received date/time
	02/01/24 18:36	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220837	1	02/06/24 14:02	02/06/24 14:02	MNP	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2220837	(LCSD) R4030399-3, L1702301-05, 06, 07, 08	1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene and Naphthalene

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0201MC001	L1702301-01	Acetone	67-64-1	58.10	1.25	2.97	3.52	8.36		1	WG2220836
MTWA0201MC001	L1702301-01	Butane	106-97-8	58	0.200	0.474	1.23	2.92		1	WG2220836
MTWA0201MC001	L1702301-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.553	1.14		1	WG2220836
MTWA0201MC001	L1702301-01	Ethanol	64-17-5	46.10	2.50	4.71	7.75	14.6		1	WG2220836
MTWA0201MC001	L1702301-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220836
MTWA0201MC001	L1702301-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.475	2.35		1	WG2220836
MTWA0201MC001	L1702301-01	Pentane	109-66-0	72.15	0.200	0.590	0.223	0.658		1	WG2220836
MTWA0201MC002	L1702301-02	Acetone	67-64-1	58.10	1.25	2.97	26.3	62.5		1	WG2220836
MTWA0201MC002	L1702301-02	Benzene	71-43-2	78.10	0.200	0.639	0.259	0.827		1	WG2220836
MTWA0201MC002	L1702301-02	Butane	106-97-8	58	0.200	0.474	0.721	1.71		1	WG2220836
MTWA0201MC002	L1702301-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.651	1.34		1	WG2220836
MTWA0201MC002	L1702301-02	Ethanol	64-17-5	46.10	2.50	4.71	21.9	41.3		1	WG2220836
MTWA0201MC002	L1702301-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220836
MTWA0201MC002	L1702301-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG2220836
MTWA0201MC002	L1702301-02	2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.13	6.28		1	WG2220836
MTWA0201MC002	L1702301-02	Pentane	109-66-0	72.15	0.200	0.590	2.06	6.08		1	WG2220836
MTWA0201MC002	L1702301-02	2-Propanol	67-63-0	60.10	1.25	3.07	1.38	3.39		1	WG2220836
MTWA0201MC002	L1702301-02	Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	WG2220836
MTWA0201MC003	L1702301-03	Acetone	67-64-1	58.10	1.25	2.97	12.8	30.4		1	WG2220836
MTWA0201MC003	L1702301-03	Benzene	71-43-2	78.10	0.200	0.639	0.430	1.37		1	WG2220836
MTWA0201MC003	L1702301-03	Butane	106-97-8	58	0.200	0.474	0.418	0.992		1	WG2220836
MTWA0201MC003	L1702301-03	Chloroethane	75-00-3	64.50	0.200	0.528	0.628	1.66		1	WG2220836
MTWA0201MC003	L1702301-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.741	1.53		1	WG2220836
MTWA0201MC003	L1702301-03	Ethanol	64-17-5	46.10	2.50	4.71	26.0	49.0		1	WG2220836
MTWA0201MC003	L1702301-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.252	1.42		1	WG2220836
MTWA0201MC003	L1702301-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.557	2.75		1	WG2220836
MTWA0201MC003	L1702301-03	2-Propanol	67-63-0	60.10	1.25	3.07	1.33	3.27		1	WG2220836
MTWA0201MC003	L1702301-03	Toluene	108-88-3	92.10	0.500	1.88	1.99	7.50		1	WG2220836
MTWA0201MC004	L1702301-04	Acetone	67-64-1	58.10	1.25	2.97	8.81	20.9		1	WG2220836
MTWA0201MC004	L1702301-04	Benzene	71-43-2	78.10	0.200	0.639	0.604	1.93		1	WG2220836
MTWA0201MC004	L1702301-04	Butane	106-97-8	58	0.200	0.474	0.555	1.32		1	WG2220836
MTWA0201MC004	L1702301-04	Carbon disulfide	75-15-0	76.10	0.200	0.622	0.273	0.850		1	WG2220836
MTWA0201MC004	L1702301-04	Chloromethane	74-87-3	50.50	0.200	0.413	1.05	2.17		1	WG2220836
MTWA0201MC004	L1702301-04	Ethanol	64-17-5	46.10	2.50	4.71	21.5	40.5		1	WG2220836
MTWA0201MC004	L1702301-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2220836
MTWA0201MC004	L1702301-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2220836
MTWA0201MC004	L1702301-04	Heptane	142-82-5	100	0.200	0.818	0.432	1.77		1	WG2220836
MTWA0201MC004	L1702301-04	Pentane	109-66-0	72.15	0.200	0.590	0.623	1.84		1	WG2220836
MTWA0201MC004	L1702301-04	Toluene	108-88-3	92.10	0.500	1.88	2.40	9.04		1	WG2220836
MTWA0201MC004	L1702301-04	o-Xylene	95-47-6	106	0.200	0.867	0.212	0.919		1	WG2220836
MTWA0201MC001B	L1702301-05	Acetone	67-64-1	58.10	1.25	2.97	3.14	7.46		1	WG2220837
MTWA0201MC001B	L1702301-05	Butane	106-97-8	58	0.200	0.474	0.556	1.32		1	WG2220837
MTWA0201MC001B	L1702301-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.573	1.18		1	WG2220837
MTWA0201MC001B	L1702301-05	Ethanol	64-17-5	46.10	2.50	4.71	8.36	15.8		1	WG2220837
MTWA0201MC001B	L1702301-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2220837
MTWA0201MC001B	L1702301-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.399	1.97		1	WG2220837
MTWA0201MC001B	L1702301-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.296	1.03		1	WG2220837
MTWA0201MC001B	L1702301-05	Pentane	109-66-0	72.15	0.200	0.590	0.235	0.693		1	WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0201MC002B	L1702301-06	Acetone	67-64-1	58.10	1.25	2.97	7.30	17.3		1	WG2220837
MTWA0201MC002B	L1702301-06	Benzene	71-43-2	78.10	0.200	0.639	0.416	1.33		1	WG2220837
MTWA0201MC002B	L1702301-06	Butane	106-97-8	58	0.200	0.474	0.731	1.73		1	WG2220837
MTWA0201MC002B	L1702301-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.747	1.54		1	WG2220837
MTWA0201MC002B	L1702301-06	Ethanol	64-17-5	46.10	2.50	4.71	10.3	19.4		1	WG2220837
MTWA0201MC002B	L1702301-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220837
MTWA0201MC002B	L1702301-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.464	2.29		1	WG2220837
MTWA0201MC002B	L1702301-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.253	0.879		1	WG2220837
MTWA0201MC002B	L1702301-06	Pentane	109-66-0	72.15	0.200	0.590	0.321	0.947		1	WG2220837
MTWA0201MC002B	L1702301-06	Toluene	108-88-3	92.10	0.500	1.88	1.53	5.76		1	WG2220837
MTWA0201MC003B	L1702301-07	Acetone	67-64-1	58.10	1.25	2.97	14.1	33.5		1	WG2220837
MTWA0201MC003B	L1702301-07	Benzene	71-43-2	78.10	0.200	0.639	0.514	1.64		1	WG2220837
MTWA0201MC003B	L1702301-07	Butane	106-97-8	58	0.200	0.474	1.00	2.37		1	WG2220837
MTWA0201MC003B	L1702301-07	Chloroethane	75-00-3	64.50	0.200	0.528	0.320	0.844		1	WG2220837
MTWA0201MC003B	L1702301-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.730	1.51		1	WG2220837
MTWA0201MC003B	L1702301-07	Ethanol	64-17-5	46.10	2.50	4.71	30.5	57.5		1	WG2220837
MTWA0201MC003B	L1702301-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220837
MTWA0201MC003B	L1702301-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.465	2.30		1	WG2220837
MTWA0201MC003B	L1702301-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.268	0.931		1	WG2220837
MTWA0201MC003B	L1702301-07	2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.30	6.78		1	WG2220837
MTWA0201MC003B	L1702301-07	Pentane	109-66-0	72.15	0.200	0.590	0.226	0.667		1	WG2220837
MTWA0201MC003B	L1702301-07	2-Propanol	67-63-0	60.10	1.25	3.07	1.63	4.01		1	WG2220837
MTWA0201MC003B	L1702301-07	Toluene	108-88-3	92.10	0.500	1.88	4.10	15.4		1	WG2220837
MTWA0201MC004B	L1702301-08	Acetone	67-64-1	58.10	1.25	2.97	3.09	7.34		1	WG2220837
MTWA0201MC004B	L1702301-08	Acetonitrile	75-05-8	41.05	5.00	8.39	26.6	44.7		1	WG2220837
MTWA0201MC004B	L1702301-08	Benzene	71-43-2	78.10	0.200	0.639	0.203	0.648		1	WG2220837
MTWA0201MC004B	L1702301-08	Butane	106-97-8	58	0.200	0.474	3.69	8.75		1	WG2220837
MTWA0201MC004B	L1702301-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.653	1.35		1	WG2220837
MTWA0201MC004B	L1702301-08	Ethanol	64-17-5	46.10	2.50	4.71	24.2	45.6		1	WG2220837
MTWA0201MC004B	L1702301-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.245	1.38		1	WG2220837
MTWA0201MC004B	L1702301-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.457	2.26		1	WG2220837
MTWA0201MC004B	L1702301-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.487	1.69		1	WG2220837
MTWA0201MC004B	L1702301-08	Pentane	109-66-0	72.15	0.200	0.590	0.656	1.94		1	WG2220837
MTWA0201MC004B	L1702301-08	2-Propanol	67-63-0	60.10	1.25	3.07	4.42	10.9		1	WG2220837
MTWA0201MC004B	L1702301-08	Toluene	108-88-3	92.10	0.500	1.88	0.612	2.31		1	WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.52	8.36		1	WG2220836
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220836
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220836
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220836
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2220836
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220836
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220836
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220836
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220836
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220836
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220836
Butane	106-97-8	58	0.200	0.474	1.23	2.92		1	WG2220836
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220836
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220836
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220836
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220836
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220836
Chloromethane	74-87-3	50.50	0.200	0.413	0.553	1.14		1	WG2220836
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220836
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220836
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220836
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220836
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220836
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220836
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220836
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220836
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220836
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220836
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220836
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220836
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220836
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220836
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220836
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220836
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220836
Ethanol	64-17-5	46.10	2.50	4.71	7.75	14.6		1	WG2220836
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220836
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220836
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220836
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.475	2.35		1	WG2220836
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220836
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220836
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220836
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220836
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220836
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220836
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2220836
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220836
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220836
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220836
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220836
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220836
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220836
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220836
Pentane	109-66-0	72.15	0.200	0.590	0.223	0.658		1	WG2220836
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220836
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220836
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220836
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220836
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220836
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2220836
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220836
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220836
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220836
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220836
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220836
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220836
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220836
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220836
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220836
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220836
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220836
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220836
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.1*				WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	26.3	62.5		1	WG2220836
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220836
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220836
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220836
Benzene	71-43-2	78.10	0.200	0.639	0.259	0.827		1	WG2220836
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220836
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220836
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220836
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220836
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220836
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220836
Butane	106-97-8	58	0.200	0.474	0.721	1.71		1	WG2220836
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220836
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220836
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220836
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220836
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220836
Chloromethane	74-87-3	50.50	0.200	0.413	0.651	1.34		1	WG2220836
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220836
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220836
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220836
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220836
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220836
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220836
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220836
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220836
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220836
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220836
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220836
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220836
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220836
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220836
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220836
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220836
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220836
Ethanol	64-17-5	46.10	2.50	4.71	21.9	41.3		1	WG2220836
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220836
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220836
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220836
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG2220836
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220836
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220836
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220836
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220836
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220836
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220836
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2220836
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220836
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.13	6.28		1	WG2220836
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220836
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220836
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220836
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220836
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220836
Pentane	109-66-0	72.15	0.200	0.590	2.06	6.08		1	WG2220836
2-Propanol	67-63-0	60.10	1.25	3.07	1.38	3.39		1	WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220836
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220836
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220836
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220836
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220836
Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	WG2220836
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220836
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220836
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220836
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220836
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220836
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220836
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220836
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220836
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220836
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220836
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220836
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220836
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.7*				WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.8	30.4		1	WG2220836
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220836
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220836
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220836
Benzene	71-43-2	78.10	0.200	0.639	0.430	1.37		1	WG2220836
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220836
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220836
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220836
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220836
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220836
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220836
Butane	106-97-8	58	0.200	0.474	0.418	0.992		1	WG2220836
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220836
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220836
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220836
Chloroethane	75-00-3	64.50	0.200	0.528	0.628	1.66		1	WG2220836
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220836
Chloromethane	74-87-3	50.50	0.200	0.413	0.741	1.53		1	WG2220836
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220836
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220836
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220836
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220836
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220836
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220836
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220836
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220836
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220836
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220836
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220836
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220836
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220836
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220836
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220836
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220836
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220836
Ethanol	64-17-5	46.10	2.50	4.71	26.0	49.0		1	WG2220836
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220836
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220836
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.252	1.42		1	WG2220836
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.557	2.75		1	WG2220836
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220836
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220836
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220836
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220836
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220836
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220836
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2220836
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220836
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220836
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220836
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220836
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220836
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220836
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220836
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2220836
2-Propanol	67-63-0	60.10	1.25	3.07	1.33	3.27		1	WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220836
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220836
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220836
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220836
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220836
Toluene	108-88-3	92.10	0.500	1.88	1.99	7.50		1	WG2220836
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220836
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220836
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220836
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220836
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220836
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220836
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220836
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220836
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220836
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220836
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220836
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220836
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.1*				WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.81	20.9		1	WG2220836
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220836
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220836
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220836
Benzene	71-43-2	78.10	0.200	0.639	0.604	1.93		1	WG2220836
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220836
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220836
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220836
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220836
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220836
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220836
Butane	106-97-8	58	0.200	0.474	0.555	1.32		1	WG2220836
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.273	0.850		1	WG2220836
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220836
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220836
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220836
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220836
Chloromethane	74-87-3	50.50	0.200	0.413	1.05	2.17		1	WG2220836
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220836
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220836
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220836
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220836
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220836
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220836
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220836
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220836
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220836
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220836
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220836
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220836
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220836
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220836
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220836
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220836
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220836
Ethanol	64-17-5	46.10	2.50	4.71	21.5	40.5		1	WG2220836
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220836
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220836
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2220836
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2220836
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220836
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220836
Heptane	142-82-5	100	0.200	0.818	0.432	1.77		1	WG2220836
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220836
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220836
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220836
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2220836
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220836
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220836
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220836
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220836
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220836
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220836
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220836
Pentane	109-66-0	72.15	0.200	0.590	0.623	1.84		1	WG2220836
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220836
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220836
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220836
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220836
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220836
Toluene	108-88-3	92.10	0.500	1.88	2.40	9.04		1	WG2220836
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220836
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220836
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220836
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220836
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220836
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220836
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220836
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220836
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220836
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220836
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220836
o-Xylene	95-47-6	106	0.200	0.867	0.212	0.919		1	WG2220836
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.3*				WG2220836

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.14	7.46		1	WG2220837
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220837
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220837
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220837
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2220837
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220837
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220837
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220837
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220837
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220837
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220837
Butane	106-97-8	58	0.200	0.474	0.556	1.32		1	WG2220837
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220837
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220837
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220837
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220837
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220837
Chloromethane	74-87-3	50.50	0.200	0.413	0.573	1.18		1	WG2220837
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220837
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220837
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220837
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220837
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220837
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220837
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220837
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220837
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220837
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220837
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220837
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220837
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220837
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220837
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220837
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220837
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220837
Ethanol	64-17-5	46.10	2.50	4.71	8.36	15.8		1	WG2220837
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220837
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220837
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2220837
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.399	1.97		1	WG2220837
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220837
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220837
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220837
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3	1	WG2220837
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220837
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220837
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.296	1.03		1	WG2220837
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220837
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220837
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220837
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220837
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220837
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3	1	WG2220837
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220837
Pentane	109-66-0	72.15	0.200	0.590	0.235	0.693		1	WG2220837
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220837
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220837
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220837
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220837
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220837
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2220837
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3	1	WG2220837
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220837
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220837
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220837
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220837
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220837
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220837
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220837
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220837
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220837
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220837
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220837
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.4*				WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.30	17.3		1	WG2220837
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220837
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220837
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220837
Benzene	71-43-2	78.10	0.200	0.639	0.416	1.33		1	WG2220837
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220837
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220837
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220837
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220837
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220837
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220837
Butane	106-97-8	58	0.200	0.474	0.731	1.73		1	WG2220837
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220837
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220837
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220837
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220837
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220837
Chloromethane	74-87-3	50.50	0.200	0.413	0.747	1.54		1	WG2220837
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220837
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220837
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220837
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220837
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220837
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220837
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220837
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220837
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220837
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220837
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220837
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220837
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220837
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220837
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220837
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220837
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220837
Ethanol	64-17-5	46.10	2.50	4.71	10.3	19.4		1	WG2220837
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220837
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220837
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220837
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.464	2.29		1	WG2220837
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220837
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220837
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220837
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3	1	WG2220837
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220837
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220837
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.253	0.879		1	WG2220837
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220837
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220837
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220837
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220837
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220837
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3	1	WG2220837
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220837
Pentane	109-66-0	72.15	0.200	0.590	0.321	0.947		1	WG2220837
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220837
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220837
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220837
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220837
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220837
Toluene	108-88-3	92.10	0.500	1.88	1.53	5.76		1	WG2220837
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3	1	WG2220837
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220837
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220837
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220837
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220837
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220837
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220837
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220837
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220837
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220837
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220837
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220837
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.8*				WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	14.1	33.5		1	WG2220837
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220837
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220837
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220837
Benzene	71-43-2	78.10	0.200	0.639	0.514	1.64		1	WG2220837
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220837
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220837
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220837
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220837
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220837
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220837
Butane	106-97-8	58	0.200	0.474	1.00	2.37		1	WG2220837
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220837
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220837
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220837
Chloroethane	75-00-3	64.50	0.200	0.528	0.320	0.844		1	WG2220837
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220837
Chloromethane	74-87-3	50.50	0.200	0.413	0.730	1.51		1	WG2220837
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220837
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220837
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220837
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220837
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220837
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220837
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220837
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220837
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220837
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220837
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220837
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220837
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220837
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220837
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220837
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220837
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220837
Ethanol	64-17-5	46.10	2.50	4.71	30.5	57.5		1	WG2220837
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220837
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220837
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2220837
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.465	2.30		1	WG2220837
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220837
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220837
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220837
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3	1	WG2220837
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220837
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220837
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.268	0.931		1	WG2220837
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220837
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.30	6.78		1	WG2220837
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220837
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220837
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220837
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3	1	WG2220837
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220837
Pentane	109-66-0	72.15	0.200	0.590	0.226	0.667		1	WG2220837
2-Propanol	67-63-0	60.10	1.25	3.07	1.63	4.01		1	WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220837
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220837
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220837
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220837
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220837
Toluene	108-88-3	92.10	0.500	1.88	4.10	15.4		1	WG2220837
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3	1	WG2220837
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220837
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220837
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220837
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220837
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220837
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220837
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220837
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220837
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220837
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220837
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220837
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.7*				WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.09	7.34		1	WG2220837
Acetonitrile	75-05-8	41.05	5.00	8.39	26.6	44.7		1	WG2220837
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220837
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220837
Benzene	71-43-2	78.10	0.200	0.639	0.203	0.648		1	WG2220837
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220837
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220837
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220837
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220837
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220837
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220837
Butane	106-97-8	58	0.200	0.474	3.69	8.75		1	WG2220837
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220837
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220837
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220837
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220837
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220837
Chloromethane	74-87-3	50.50	0.200	0.413	0.653	1.35		1	WG2220837
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220837
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220837
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220837
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220837
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220837
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220837
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220837
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220837
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220837
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220837
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220837
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220837
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220837
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220837
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220837
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220837
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220837
Ethanol	64-17-5	46.10	2.50	4.71	24.2	45.6		1	WG2220837
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220837
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220837
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.245	1.38		1	WG2220837
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.457	2.26		1	WG2220837
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220837
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220837
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220837
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3	1	WG2220837
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220837
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220837
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.487	1.69		1	WG2220837
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220837
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220837
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220837
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220837
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220837
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3	1	WG2220837
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220837
Pentane	109-66-0	72.15	0.200	0.590	0.656	1.94		1	WG2220837
2-Propanol	67-63-0	60.10	1.25	3.07	4.42	10.9		1	WG2220837

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220837
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220837
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220837
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220837
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220837
Toluene	108-88-3	92.10	0.500	1.88	0.612	2.31		1	WG2220837
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3	1	WG2220837
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220837
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220837
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220837
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220837
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220837
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220837
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220837
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220837
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220837
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220837
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220837
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2220837

Method Blank (MB)

(MB) R4030374-3 02/06/24 10:19

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.368	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4030374-3 02/06/24 10:19

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*90.9*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030374-1 02/06/24 09:00 • (LCSD) R4030374-2 02/06/24 09:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.79	3.75	101	100	70.0-130			1.06	25
Acetonitrile	18.8	19.3	19.1	103	102	70.0-130			1.04	25
Acrylonitrile	3.75	3.50	3.49	93.3	93.1	70.0-130			0.286	25
Allyl chloride	3.75	4.64	4.42	124	118	70.0-130			4.86	25
Benzene	3.75	4.11	4.08	110	109	70.0-130			0.733	25
Benzyl Chloride	3.75	3.95	3.85	105	103	70.0-152			2.56	25
Bromodichloromethane	3.75	4.18	4.11	111	110	70.0-130			1.69	25
Bromoform	3.75	3.78	3.64	101	97.1	70.0-130			3.77	25
Bromomethane	3.75	4.03	3.97	107	106	70.0-130			1.50	25
Bromoethane	3.75	4.13	4.09	110	109	70.0-130			0.973	25
1,3-Butadiene	3.75	3.71	3.43	98.9	91.5	70.0-130			7.84	25
Butane	3.75	3.96	3.70	106	98.7	70.0-130			6.79	25
Carbon disulfide	3.75	3.75	3.75	100	100	70.0-130			0.000	25
Carbon tetrachloride	3.75	4.27	4.16	114	111	70.0-130			2.61	25
Chlorobenzene	3.75	4.46	4.40	119	117	70.0-130			1.35	25
Chloroethane	3.75	3.98	3.95	106	105	70.0-130			0.757	25
Chloroform	3.75	4.15	4.11	111	110	70.0-130			0.969	25
Chloromethane	3.75	3.59	3.59	95.7	95.7	70.0-130			0.000	25
2-Chlorotoluene	3.75	4.04	4.13	108	110	70.0-130			2.20	25
Cyclohexane	3.75	4.01	3.97	107	106	70.0-130			1.00	25
n-Decane	3.75	4.01	3.89	107	104	70.0-130			3.04	25
Dibromochloromethane	3.75	4.39	4.31	117	115	70.0-130			1.84	25
1,2-Dibromoethane	3.75	4.41	4.33	118	115	70.0-130			1.83	25
1,2-Dichlorobenzene	3.75	3.91	3.82	104	102	70.0-130			2.33	25
1,3-Dichlorobenzene	3.75	3.88	3.83	103	102	70.0-130			1.30	25
1,4-Dichlorobenzene	3.75	4.00	3.93	107	105	70.0-130			1.77	25
1,2-Dichloroethane	3.75	4.38	4.30	117	115	70.0-130			1.84	25
1,1-Dichloroethane	3.75	4.06	4.05	108	108	70.0-130			0.247	25
1,1-Dichloroethene	3.75	4.06	3.89	108	104	70.0-130			4.28	25
cis-1,2-Dichloroethene	3.75	3.96	3.95	106	105	70.0-130			0.253	25
trans-1,2-Dichloroethene	3.75	3.95	3.92	105	105	70.0-130			0.762	25
1,2-Dichloropropane	3.75	4.04	4.06	108	108	70.0-130			0.494	25
cis-1,3-Dichloropropene	3.75	3.83	3.79	102	101	70.0-130			1.05	25
trans-1,3-Dichloropropene	3.75	3.95	3.98	105	106	70.0-130			0.757	25
1,4-Dioxane	3.75	3.90	3.93	104	105	70.0-140			0.766	25
Ethanol	3.75	3.51	3.47	93.6	92.5	55.0-148			1.15	25
Ethylbenzene	3.75	4.09	3.98	109	106	70.0-130			2.73	25
4-Ethyltoluene	3.75	4.04	3.94	108	105	70.0-130			2.51	25
Trichlorofluoromethane	3.75	4.31	4.23	115	113	70.0-130			1.87	25
Dichlorodifluoromethane	3.75	4.34	4.27	116	114	64.0-139			1.63	25

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

QUALITY CONTROL SUMMARY

L1702301-01,02,03,04

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030374-1 02/06/24 09:00 • (LCSD) R4030374-2 02/06/24 09:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.10	4.05	109	108	70.0-130			1.23	25
1,2-Dichlorotetrafluoroethane	3.75	4.14	4.08	110	109	70.0-130			1.46	25
Heptane	3.75	3.98	4.24	106	113	70.0-130			6.33	25
Hexachloro-1,3-butadiene	3.75	3.21	3.16	85.6	84.3	70.0-151			1.57	25
n-Hexane	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Isopropylbenzene	3.75	4.08	4.00	109	107	70.0-130			1.98	25
Methylene Chloride	3.75	4.05	4.04	108	108	70.0-130			0.247	25
Methyl Butyl Ketone	3.75	4.49	4.44	120	118	70.0-149			1.12	25
2-Butanone (MEK)	3.75	3.90	3.82	104	102	70.0-130			2.07	25
4-Methyl-2-pentanone (MIBK)	3.75	3.85	3.83	103	102	70.0-139			0.521	25
Methyl methacrylate	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
MTBE	3.75	3.98	3.91	106	104	70.0-130			1.77	25
Naphthalene	3.75	3.29	3.27	87.7	87.2	70.0-159			0.610	25
Nonane	3.75	4.69	4.63	125	123	70.0-130			1.29	25
Pentane	3.75	3.85	3.82	103	102	70.0-130			0.782	25
2-Propanol	3.75	3.73	3.67	99.5	97.9	70.0-139			1.62	25
Propene	3.75	3.61	3.64	96.3	97.1	64.0-144			0.828	25
Styrene	3.75	3.96	3.78	106	101	70.0-130			4.65	25
1,1,2,2-Tetrachloroethane	3.75	4.00	3.74	107	99.7	70.0-130			6.72	25
Tetrachloroethylene	3.75	4.34	4.34	116	116	70.0-130			0.000	25
Tetrahydrofuran	3.75	3.69	3.75	98.4	100	70.0-137			1.61	25
Toluene	3.75	4.00	3.96	107	106	70.0-130			1.01	25
1,2,4-Trichlorobenzene	3.75	3.26	3.31	86.9	88.3	70.0-160			1.52	25
1,1,1-Trichloroethane	3.75	4.29	4.20	114	112	70.0-130			2.12	25
1,1,2-Trichloroethane	3.75	4.24	4.09	113	109	70.0-130			3.60	25
Trichloroethylene	3.75	4.15	4.06	111	108	70.0-130			2.19	25
1,2,4-Trimethylbenzene	3.75	3.88	3.93	103	105	70.0-130			1.28	25
1,3,5-Trimethylbenzene	3.75	4.04	3.94	108	105	70.0-130			2.51	25
2,2,4-Trimethylpentane	3.75	3.95	3.93	105	105	70.0-130			0.508	25
Vinyl chloride	3.75	4.07	3.80	109	101	70.0-130			6.86	25
Vinyl Bromide	3.75	4.11	3.97	110	106	70.0-130			3.47	25
Vinyl acetate	3.75	3.49	3.45	93.1	92.0	70.0-130			1.15	25
m&p-Xylene	7.50	8.20	7.98	109	106	70.0-130			2.72	25
o-Xylene	3.75	4.09	4.00	109	107	70.0-130			2.22	25
(S) 1,4-Bromofluorobenzene				*97.6*	*95.1*	*60.0-140*				

Method Blank (MB)

(MB) R4030399-2 02/06/24 10:05

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.263	J	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.544	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4030399-2 02/06/24 10:05

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.3*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030399-1 02/06/24 09:27 • (LCSD) R4030399-3 02/06/24 10:50

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.01	4.04	107	108	70.0-130			0.745	25
Acetonitrile	18.8	18.7	19.1	99.5	102	70.0-130			2.12	25
Acrylonitrile	3.75	4.04	4.15	108	111	70.0-130			2.69	25
Allyl chloride	3.75	4.27	4.59	114	122	70.0-130			7.22	25
Benzene	3.75	4.39	4.46	117	119	70.0-130			1.58	25
Benzyl Chloride	3.75	4.51	4.33	120	115	70.0-152			4.07	25
Bromodichloromethane	3.75	4.43	4.46	118	119	70.0-130			0.675	25
Bromoform	3.75	4.41	4.36	118	116	70.0-130			1.14	25
Bromomethane	3.75	4.35	4.59	116	122	70.0-130			5.37	25
Bromoethane	3.75	4.35	4.47	116	119	70.0-130			2.72	25
1,3-Butadiene	3.75	4.05	4.19	108	112	70.0-130			3.40	25
Butane	3.75	3.63	3.80	96.8	101	70.0-130			4.58	25
Carbon disulfide	3.75	4.13	4.26	110	114	70.0-130			3.10	25
Carbon tetrachloride	3.75	4.64	4.68	124	125	70.0-130			0.858	25
Chlorobenzene	3.75	4.62	4.71	123	126	70.0-130			1.93	25
Chloroethane	3.75	3.75	3.91	100	104	70.0-130			4.18	25
Chloroform	3.75	4.36	4.45	116	119	70.0-130			2.04	25
Chloromethane	3.75	4.13	4.30	110	115	70.0-130			4.03	25
2-Chlorotoluene	3.75	4.62	4.65	123	124	70.0-130			0.647	25
Cyclohexane	3.75	4.57	4.63	122	123	70.0-130			1.30	25
n-Decane	3.75	4.30	4.30	115	115	70.0-130			0.000	25
Dibromochloromethane	3.75	4.69	4.68	125	125	70.0-130			0.213	25
1,2-Dibromoethane	3.75	4.60	4.70	123	125	70.0-130			2.15	25
1,2-Dichlorobenzene	3.75	4.46	4.32	119	115	70.0-130			3.19	25
1,3-Dichlorobenzene	3.75	4.46	4.49	119	120	70.0-130			0.670	25
1,4-Dichlorobenzene	3.75	4.52	4.53	121	121	70.0-130			0.221	25
1,2-Dichloroethane	3.75	4.39	4.39	117	117	70.0-130			0.000	25
1,1-Dichloroethane	3.75	4.19	4.23	112	113	70.0-130			0.950	25
1,1-Dichloroethene	3.75	4.35	4.34	116	116	70.0-130			0.230	25
cis-1,2-Dichloroethene	3.75	4.30	4.38	115	117	70.0-130			1.84	25
trans-1,2-Dichloroethene	3.75	4.30	4.38	115	117	70.0-130			1.84	25
1,2-Dichloropropane	3.75	4.17	4.28	111	114	70.0-130			2.60	25
cis-1,3-Dichloropropene	3.75	4.54	4.60	121	123	70.0-130			1.31	25
trans-1,3-Dichloropropene	3.75	4.48	4.56	119	122	70.0-130			1.77	25
1,4-Dioxane	3.75	4.62	4.51	123	120	70.0-140			2.41	25
Ethanol	3.75	3.79	3.75	101	100	55.0-148			1.06	25
Ethylbenzene	3.75	4.49	4.57	120	122	70.0-130			1.77	25
4-Ethyltoluene	3.75	4.83	4.89	129	130	70.0-130			1.23	25
Trichlorofluoromethane	3.75	4.51	4.62	120	123	70.0-130			2.41	25
Dichlorodifluoromethane	3.75	4.41	4.66	118	124	64.0-139			5.51	25

QUALITY CONTROL SUMMARY

L1702301-05,06,07,08

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030399-1 02/06/24 09:27 • (LCSD) R4030399-3 02/06/24 10:50

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.41	4.48	118	119	70.0-130			1.57	25
1,2-Dichlorotetrafluoroethane	3.75	4.51	4.82	120	129	70.0-130			6.65	25
Heptane	3.75	4.48	4.48	119	119	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	4.67	3.28	125	87.5	70.0-151		J3	35.0	25
n-Hexane	3.75	4.34	4.38	116	117	70.0-130			0.917	25
Isopropylbenzene	3.75	4.86	4.85	130	129	70.0-130			0.206	25
Methylene Chloride	3.75	3.92	4.00	105	107	70.0-130			2.02	25
Methyl Butyl Ketone	3.75	4.27	4.32	114	115	70.0-149			1.16	25
2-Butanone (MEK)	3.75	4.19	4.38	112	117	70.0-130			4.43	25
4-Methyl-2-pentanone (MIBK)	3.75	4.16	4.22	111	113	70.0-139			1.43	25
Methyl methacrylate	3.75	4.46	4.48	119	119	70.0-130			0.447	25
MTBE	3.75	4.52	4.58	121	122	70.0-130			1.32	25
Naphthalene	3.75	4.65	2.99	124	79.7	70.0-159		J3	43.5	25
Nonane	3.75	4.29	4.34	114	116	70.0-130			1.16	25
Pentane	3.75	4.01	4.02	107	107	70.0-130			0.249	25
2-Propanol	3.75	4.07	4.15	109	111	70.0-139			1.95	25
Propene	3.75	3.89	4.07	104	109	64.0-144			4.52	25
Styrene	3.75	4.83	4.81	129	128	70.0-130			0.415	25
1,1,2,2-Tetrachloroethane	3.75	4.17	4.20	111	112	70.0-130			0.717	25
Tetrachloroethylene	3.75	4.77	4.86	127	130	70.0-130			1.87	25
Tetrahydrofuran	3.75	3.95	4.04	105	108	70.0-137			2.25	25
Toluene	3.75	4.65	4.69	124	125	70.0-130			0.857	25
1,2,4-Trichlorobenzene	3.75	4.60	3.08	123	82.1	70.0-160		J3	39.6	25
1,1,1-Trichloroethane	3.75	4.61	4.63	123	123	70.0-130			0.433	25
1,1,2-Trichloroethane	3.75	4.46	4.48	119	119	70.0-130			0.447	25
Trichloroethylene	3.75	4.43	4.58	118	122	70.0-130			3.33	25
1,2,4-Trimethylbenzene	3.75	4.72	4.74	126	126	70.0-130			0.423	25
1,3,5-Trimethylbenzene	3.75	4.73	4.75	126	127	70.0-130			0.422	25
2,2,4-Trimethylpentane	3.75	4.46	4.42	119	118	70.0-130			0.901	25
Vinyl chloride	3.75	4.08	4.21	109	112	70.0-130			3.14	25
Vinyl Bromide	3.75	3.83	4.03	102	107	70.0-130			5.09	25
Vinyl acetate	3.75	4.69	4.71	125	126	70.0-130			0.426	25
m&p-Xylene	7.50	9.70	9.58	129	128	70.0-130			1.24	25
o-Xylene	3.75	4.77	4.73	127	126	70.0-130			0.842	25
(S) 1,4-Bromofluorobenzene				*97.9*	*97.7*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

G148

L1702301

CTEH
THE SCIENCE OF READY™

Sample Receipt Checklist
COC Seal Present/Intact: Y N Airs
COC Signed/Accurate: Y N Size: ✓1L 6L 1.4L
Bottles arrive intact: Y N Tage Color: G W P B
Correct bottles used: Y N Tubing Shunt
T/P#:

LYSIS REQUEST FORM

CTEH Project # PROJ - 032692

Turnaround Requested: ☐ Normal **X** Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify)

Data Packet Requested: **X** Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time **X**
Retain w/ storage fees after 2X hold time ☐

end Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
E-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)	
MTWA0201MC001	011012	007572	02/01/24	0538	02/01/24	2356	-29	-7	AW	X	A	-01
MTWA0201MC002	029369	015401	02/01/24	0602	02/01/24	2307	-26	-6	AW	X	A	-02
MTWA0201MC003	021203	029307	02/01/24	0156	02/01/24	2332	-28	-5	AW	X	A	-03
MTWA0201MC004	028058	028632	02/01/24	0631	02/01/24	2353	-28	-8	AW	X	A	-04
MTWA0201MC001B	011147	009903	02/01/24	2358	02/02/24	1746	-28	-10	AW	X	A	-05
MTWA0201MC002B	028027	023563	02/01/24	2313	02/02/24	1756	-28	-8	AW	X	A	-06
MTWA0201MC003B	015573	029197	02/01/24	2343	02/02/24	1808	-28	-8	AW	X	A	-07
MTWA0201MC004B	029362	011445 ~~01145~~ CR	02/01/24	2355	02/02/24	1836	-28	-8	AW	X	A	-08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Adrianne Watkins	02/03/24		02/05/24 1430	
	02/05/24	FedEx	02/05/24 1430	Dropped off at FedEx for shipping

SDG #_MTWA0201MC___ 1430 17 2-6-24 900 2706 3758 5330 Page 1 of _1___

ANALYTICAL REPORT

February 06, 2024

CTEH - ER

Sample Delivery Group:	L1702327
Samples Received:	02/06/2024
Project Number:	032692
Description:	

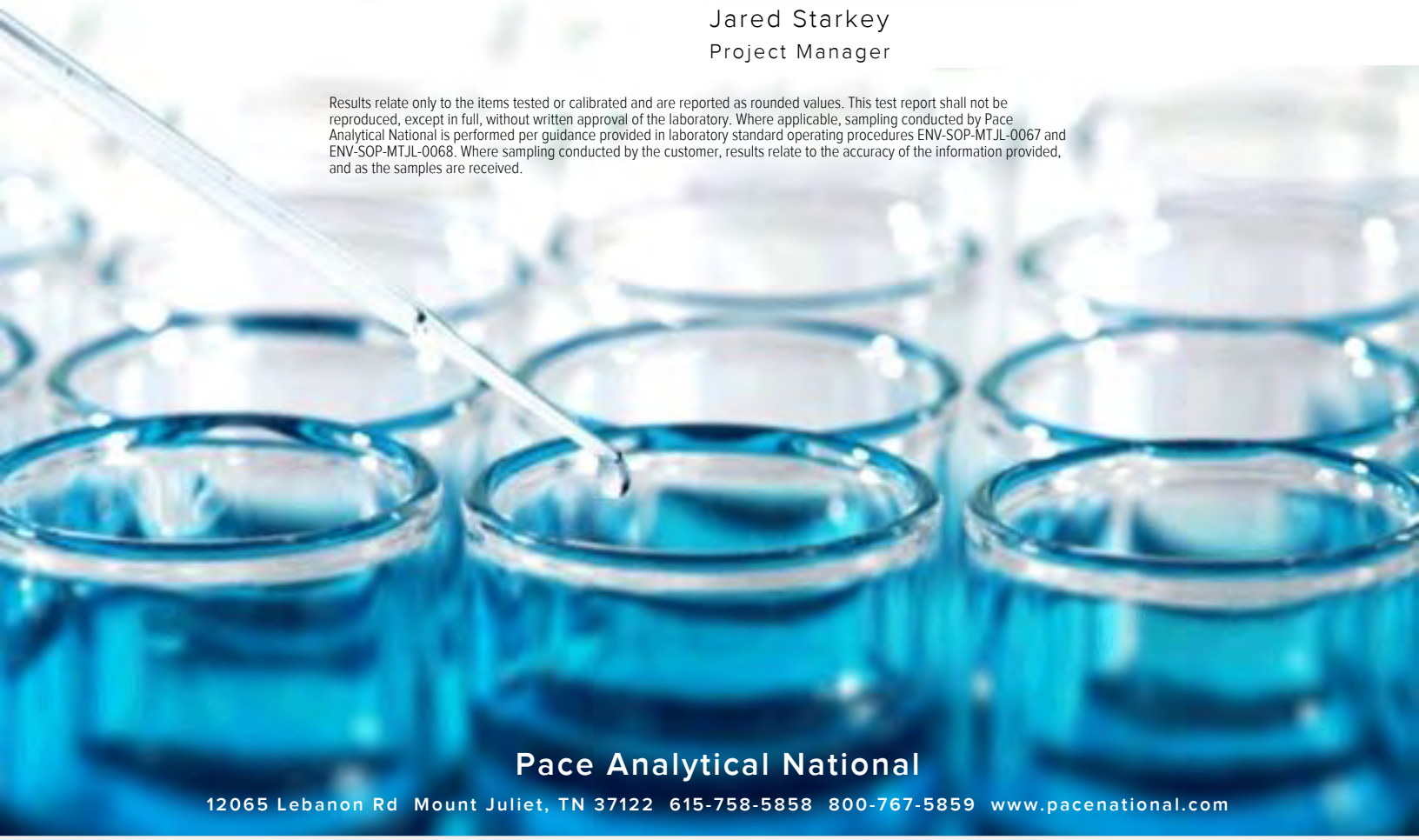
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA0202MC001 L1702327-01 Air

Collected by	Collected date/time	Received date/time
	02/03/24 11:48	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220839	1	02/06/24 12:22	02/06/24 12:22	DAH	Mt. Juliet, TN

MTWA0202MC002 L1702327-02 Air

Collected by	Collected date/time	Received date/time
	02/03/24 11:28	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220839	1	02/06/24 13:09	02/06/24 13:09	DAH	Mt. Juliet, TN

MTWA0202MC003 L1702327-03 Air

Collected by	Collected date/time	Received date/time
	02/03/24 10:52	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220839	1	02/06/24 13:56	02/06/24 13:56	DAH	Mt. Juliet, TN

MTWA0202MC003CL L1702327-04 Air

Collected by	Collected date/time	Received date/time
	02/03/24 10:52	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220839	1	02/06/24 14:43	02/06/24 14:43	DAH	Mt. Juliet, TN

MTWA0202MC004 L1702327-05 Air

Collected by	Collected date/time	Received date/time
	02/03/24 11:10	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220840	1	02/06/24 12:56	02/06/24 12:56	SDS	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2220840	(LCSD) R4030434-3, L1702327-05	Dichlorodifluoromethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2220840	(LCSD) R4030434-3, L1702327-05	Dichlorodifluoromethane

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0202MC001	L1702327-01	Acetone	67-64-1	58.10	1.25	2.97	4.14	9.84		1	WG2220839
MTWA0202MC001	L1702327-01	Butane	106-97-8	58	0.200	0.474	0.635	1.51		1	WG2220839
MTWA0202MC001	L1702327-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.565	1.17		1	WG2220839
MTWA0202MC001	L1702327-01	Ethanol	64-17-5	46.10	2.50	4.71	7.85	14.8		1	WG2220839
MTWA0202MC001	L1702327-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.232	1.30		1	WG2220839
MTWA0202MC001	L1702327-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.226	1.12		1	WG2220839
MTWA0202MC001	L1702327-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.200	0.694		1	WG2220839
MTWA0202MC002	L1702327-02	Acetone	67-64-1	58.10	1.25	2.97	2.94	6.99		1	WG2220839
MTWA0202MC002	L1702327-02	Acrylonitrile	107-13-1	53	5.00	10.8	5.04	10.9		1	WG2220839
MTWA0202MC002	L1702327-02	Butane	106-97-8	58	0.200	0.474	0.656	1.56		1	WG2220839
MTWA0202MC002	L1702327-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.458	0.946		1	WG2220839
MTWA0202MC002	L1702327-02	Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2220839
MTWA0202MC002	L1702327-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2220839
MTWA0202MC002	L1702327-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.269	1.33		1	WG2220839
MTWA0202MC003	L1702327-03	Acetone	67-64-1	58.10	1.25	2.97	7.93	18.8		1	WG2220839
MTWA0202MC003	L1702327-03	Benzene	71-43-2	78.10	0.200	0.639	0.408	1.30		1	WG2220839
MTWA0202MC003	L1702327-03	Butane	106-97-8	58	0.200	0.474	0.662	1.57		1	WG2220839
MTWA0202MC003	L1702327-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.625	1.29		1	WG2220839
MTWA0202MC003	L1702327-03	Ethanol	64-17-5	46.10	2.50	4.71	18.6	35.1		1	WG2220839
MTWA0202MC003	L1702327-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2220839
MTWA0202MC003	L1702327-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.242	1.20		1	WG2220839
MTWA0202MC003	L1702327-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.213	0.740		1	WG2220839
MTWA0202MC003	L1702327-03	Toluene	108-88-3	92.10	0.500	1.88	1.93	7.27		1	WG2220839
MTWA0202MC003CL	L1702327-04	Acetone	67-64-1	58.10	1.25	2.97	2.90	6.89		1	WG2220839
MTWA0202MC003CL	L1702327-04	Benzene	71-43-2	78.10	0.200	0.639	0.231	0.738		1	WG2220839
MTWA0202MC003CL	L1702327-04	Butane	106-97-8	58	0.200	0.474	0.769	1.82		1	WG2220839
MTWA0202MC003CL	L1702327-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.508	1.05		1	WG2220839
MTWA0202MC003CL	L1702327-04	Ethanol	64-17-5	46.10	2.50	4.71	12.6	23.8		1	WG2220839
MTWA0202MC003CL	L1702327-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.221	1.09		1	WG2220839
MTWA0202MC003CL	L1702327-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.237	0.823		1	WG2220839
MTWA0202MC003CL	L1702327-04	Pentane	109-66-0	72.15	0.200	0.590	0.464	1.37		1	WG2220839
MTWA0202MC004	L1702327-05	Acetone	67-64-1	58.10	1.25	2.97	2.03	4.82		1	WG2220840
MTWA0202MC004	L1702327-05	Benzene	71-43-2	78.10	0.200	0.639	0.206	0.658		1	WG2220840
MTWA0202MC004	L1702327-05	Butane	106-97-8	58	0.200	0.474	0.960	2.28		1	WG2220840
MTWA0202MC004	L1702327-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.525	1.08		1	WG2220840
MTWA0202MC004	L1702327-05	Ethanol	64-17-5	46.10	2.50	4.71	7.99	15.1		1	WG2220840
MTWA0202MC004	L1702327-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG2220840
MTWA0202MC004	L1702327-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.435	1.51		1	WG2220840
MTWA0202MC004	L1702327-05	Nonane	111-84-2	128.26	0.200	1.05	0.272	1.43		1	WG2220840
MTWA0202MC004	L1702327-05	Pentane	109-66-0	72.15	0.200	0.590	1.17	3.45		1	WG2220840
MTWA0202MC004	L1702327-05	Trichloroethylene	79-01-6	131	0.200	1.07	0.342	1.83		1	WG2220840
MTWA0202MC004	L1702327-05	m&p-Xylene	179601-23-1	106	0.400	1.73	0.490	2.12		1	WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.14	9.84		1	WG2220839
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220839
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220839
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220839
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2220839
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220839
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220839
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220839
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220839
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220839
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220839
Butane	106-97-8	58	0.200	0.474	0.635	1.51		1	WG2220839
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220839
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220839
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220839
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220839
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220839
Chloromethane	74-87-3	50.50	0.200	0.413	0.565	1.17		1	WG2220839
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220839
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220839
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220839
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220839
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220839
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220839
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220839
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220839
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220839
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220839
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220839
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220839
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220839
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220839
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220839
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220839
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220839
Ethanol	64-17-5	46.10	2.50	4.71	7.85	14.8		1	WG2220839
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220839
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220839
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.232	1.30		1	WG2220839
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.226	1.12		1	WG2220839
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220839
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220839
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220839
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220839
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220839
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220839
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.200	0.694		1	WG2220839
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220839
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220839
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220839
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220839
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220839
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220839
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220839
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2220839
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220839
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220839
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220839
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220839
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220839
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2220839
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220839
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220839
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220839
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220839
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220839
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220839
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220839
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220839
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220839
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220839
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220839
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220839
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.3*				WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.94	6.99		1	WG2220839
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220839
Acrylonitrile	107-13-1	53	5.00	10.8	5.04	10.9		1	WG2220839
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220839
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2220839
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220839
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220839
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220839
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220839
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220839
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220839
Butane	106-97-8	58	0.200	0.474	0.656	1.56		1	WG2220839
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220839
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220839
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220839
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220839
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220839
Chloromethane	74-87-3	50.50	0.200	0.413	0.458	0.946		1	WG2220839
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220839
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220839
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220839
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220839
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220839
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220839
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220839
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220839
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220839
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220839
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220839
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220839
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220839
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220839
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220839
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220839
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220839
Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2220839
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220839
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220839
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2220839
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.269	1.33		1	WG2220839
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220839
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220839
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220839
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220839
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220839
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220839
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2220839
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220839
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220839
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220839
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220839
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220839
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220839
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220839
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2220839
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220839
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220839
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220839
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220839
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220839
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2220839
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220839
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220839
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220839
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220839
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220839
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220839
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220839
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220839
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220839
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220839
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220839
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220839
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*103*				WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.93	18.8		1	WG2220839
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220839
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220839
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220839
Benzene	71-43-2	78.10	0.200	0.639	0.408	1.30		1	WG2220839
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220839
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220839
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220839
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220839
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220839
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220839
Butane	106-97-8	58	0.200	0.474	0.662	1.57		1	WG2220839
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220839
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220839
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220839
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220839
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220839
Chloromethane	74-87-3	50.50	0.200	0.413	0.625	1.29		1	WG2220839
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220839
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220839
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220839
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220839
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220839
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220839
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220839
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220839
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220839
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220839
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220839
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220839
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220839
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220839
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220839
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220839
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220839
Ethanol	64-17-5	46.10	2.50	4.71	18.6	35.1		1	WG2220839
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220839
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220839
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.205	1.15		1	WG2220839
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.242	1.20		1	WG2220839
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220839
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220839
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220839
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220839
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220839
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220839
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.213	0.740		1	WG2220839
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220839
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220839
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220839
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220839
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220839
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220839
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220839
Pentane	109-66-0	72.15	0.200	0.590	ND	ND		1	WG2220839
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220839
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220839
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220839
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220839
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220839
Toluene	108-88-3	92.10	0.500	1.88	1.93	7.27		1	WG2220839
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220839
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220839
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220839
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220839
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220839
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220839
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220839
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220839
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220839
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220839
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220839
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220839
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.90	6.89		1	WG2220839
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220839
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220839
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220839
Benzene	71-43-2	78.10	0.200	0.639	0.231	0.738		1	WG2220839
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220839
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220839
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220839
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220839
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220839
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220839
Butane	106-97-8	58	0.200	0.474	0.769	1.82		1	WG2220839
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220839
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220839
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220839
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220839
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220839
Chloromethane	74-87-3	50.50	0.200	0.413	0.508	1.05		1	WG2220839
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220839
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220839
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220839
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220839
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220839
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220839
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220839
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220839
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220839
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220839
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220839
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220839
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220839
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220839
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220839
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220839
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220839
Ethanol	64-17-5	46.10	2.50	4.71	12.6	23.8		1	WG2220839
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220839
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220839
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2220839
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.221	1.09		1	WG2220839
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220839
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220839
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220839
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220839
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220839
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220839
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.237	0.823		1	WG2220839
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220839
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220839
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220839
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220839
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220839
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220839
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220839
Pentane	109-66-0	72.15	0.200	0.590	0.464	1.37		1	WG2220839
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220839
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220839
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220839
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220839
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220839
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2220839
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220839
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220839
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220839
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220839
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220839
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220839
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220839
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220839
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220839
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220839
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220839
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220839
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG2220839

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.03	4.82		1	WG2220840
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220840
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220840
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220840
Benzene	71-43-2	78.10	0.200	0.639	0.206	0.658		1	WG2220840
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220840
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220840
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220840
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220840
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220840
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220840
Butane	106-97-8	58	0.200	0.474	0.960	2.28		1	WG2220840
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220840
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220840
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220840
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220840
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220840
Chloromethane	74-87-3	50.50	0.200	0.413	0.525	1.08		1	WG2220840
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220840
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220840
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220840
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220840
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220840
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220840
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220840
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220840
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220840
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220840
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220840
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220840
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220840
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220840
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220840
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220840
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220840
Ethanol	64-17-5	46.10	2.50	4.71	7.99	15.1		1	WG2220840
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220840
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220840
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG2220840
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND	J3 J4	1	WG2220840
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220840
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220840
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220840
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220840
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220840
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220840
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.435	1.51		1	WG2220840
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220840
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220840
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220840
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220840
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220840
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220840
Nonane	111-84-2	128.26	0.200	1.05	0.272	1.43		1	WG2220840
Pentane	109-66-0	72.15	0.200	0.590	1.17	3.45		1	WG2220840
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220840
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220840
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220840
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220840
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220840
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2220840
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220840
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220840
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220840
Trichloroethylene	79-01-6	131	0.200	1.07	0.342	1.83		1	WG2220840
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220840
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220840
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220840
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220840
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220840
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220840
m&p-Xylene	179601-23-1	106	0.400	1.73	0.490	2.12		1	WG2220840
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220840
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.5*				WG2220840

Method Blank (MB)

(MB) R4030437-3 02/06/24 10:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4030437-3 02/06/24 10:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.2*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030437-1 02/06/24 09:06 • (LCSD) R4030437-2 02/06/24 09:54

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.65	3.45	97.3	92.0	70.0-130			5.63	25
Acetonitrile	18.8	19.1	18.8	102	100	70.0-130			1.58	25
Acrylonitrile	3.75	3.77	3.82	101	102	70.0-130			1.32	25
Allyl chloride	3.75	3.61	3.77	96.3	101	70.0-130			4.34	25
Benzene	3.75	3.68	3.85	98.1	103	70.0-130			4.52	25
Benzyl Chloride	3.75	3.71	3.87	98.9	103	70.0-152			4.22	25
Bromodichloromethane	3.75	3.78	3.79	101	101	70.0-130			0.264	25
Bromoform	3.75	3.77	3.74	101	99.7	70.0-130			0.799	25
Bromomethane	3.75	3.58	3.64	95.5	97.1	70.0-130			1.66	25
Bromoethane	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
1,3-Butadiene	3.75	3.67	3.76	97.9	100	70.0-130			2.42	25
Butane	3.75	3.68	3.82	98.1	102	70.0-130			3.73	25
Carbon disulfide	3.75	3.66	3.79	97.6	101	70.0-130			3.49	25
Carbon tetrachloride	3.75	3.74	3.77	99.7	101	70.0-130			0.799	25
Chlorobenzene	3.75	3.77	3.80	101	101	70.0-130			0.793	25
Chloroethane	3.75	3.70	3.83	98.7	102	70.0-130			3.45	25
Chloroform	3.75	3.81	3.75	102	100	70.0-130			1.59	25
Chloromethane	3.75	3.56	3.70	94.9	98.7	70.0-130			3.86	25
2-Chlorotoluene	3.75	3.78	3.78	101	101	70.0-130			0.000	25
Cyclohexane	3.75	3.62	3.75	96.5	100	70.0-130			3.53	25
n-Decane	3.75	3.79	3.94	101	105	70.0-130			3.88	25
Dibromochloromethane	3.75	3.75	3.81	100	102	70.0-130			1.59	25
1,2-Dibromoethane	3.75	3.74	3.85	99.7	103	70.0-130			2.90	25
1,2-Dichlorobenzene	3.75	3.66	3.80	97.6	101	70.0-130			3.75	25
1,3-Dichlorobenzene	3.75	3.65	3.83	97.3	102	70.0-130			4.81	25
1,4-Dichlorobenzene	3.75	3.71	3.81	98.9	102	70.0-130			2.66	25
1,2-Dichloroethane	3.75	3.77	3.86	101	103	70.0-130			2.36	25
1,1-Dichloroethane	3.75	3.64	3.76	97.1	100	70.0-130			3.24	25
1,1-Dichloroethene	3.75	3.60	3.74	96.0	99.7	70.0-130			3.81	25
cis-1,2-Dichloroethene	3.75	3.71	3.79	98.9	101	70.0-130			2.13	25
trans-1,2-Dichloroethene	3.75	3.71	3.77	98.9	101	70.0-130			1.60	25
1,2-Dichloropropane	3.75	3.78	3.78	101	101	70.0-130			0.000	25
cis-1,3-Dichloropropene	3.75	3.79	3.77	101	101	70.0-130			0.529	25
trans-1,3-Dichloropropene	3.75	3.83	3.81	102	102	70.0-130			0.524	25
1,4-Dioxane	3.75	3.75	3.73	100	99.5	70.0-140			0.535	25
Ethanol	3.75	3.75	3.58	100	95.5	55.0-148			4.64	25
Ethylbenzene	3.75	3.82	3.77	102	101	70.0-130			1.32	25
4-Ethyltoluene	3.75	3.74	3.85	99.7	103	70.0-130			2.90	25
Trichlorofluoromethane	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
Dichlorodifluoromethane	3.75	3.54	3.63	94.4	96.8	64.0-139			2.51	25

QUALITY CONTROL SUMMARY

L1702327-01,02,03,04

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030437-1 02/06/24 09:06 • (LCSD) R4030437-2 02/06/24 09:54

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.60	3.64	96.0	97.1	70.0-130			1.10	25
1,2-Dichlorotetrafluoroethane	3.75	3.80	3.87	101	103	70.0-130			1.83	25
Heptane	3.75	3.85	3.88	103	103	70.0-130			0.776	25
Hexachloro-1,3-butadiene	3.75	3.80	3.77	101	101	70.0-151			0.793	25
n-Hexane	3.75	3.63	3.77	96.8	101	70.0-130			3.78	25
Isopropylbenzene	3.75	3.81	3.85	102	103	70.0-130			1.04	25
Methylene Chloride	3.75	3.61	3.68	96.3	98.1	70.0-130			1.92	25
Methyl Butyl Ketone	3.75	3.88	3.86	103	103	70.0-149			0.517	25
2-Butanone (MEK)	3.75	4.00	3.97	107	106	70.0-130			0.753	25
4-Methyl-2-pentanone (MIBK)	3.75	3.92	3.94	105	105	70.0-139			0.509	25
Methyl methacrylate	3.75	3.52	3.57	93.9	95.2	70.0-130			1.41	25
MTBE	3.75	3.67	3.63	97.9	96.8	70.0-130			1.10	25
Naphthalene	3.75	3.70	3.76	98.7	100	70.0-159			1.61	25
Nonane	3.75	3.75	3.77	100	101	70.0-130			0.532	25
Pentane	3.75	3.51	3.53	93.6	94.1	70.0-130			0.568	25
2-Propanol	3.75	3.50	3.60	93.3	96.0	70.0-139			2.82	25
Propene	3.75	3.55	3.70	94.7	98.7	64.0-144			4.14	25
Styrene	3.75	3.93	3.82	105	102	70.0-130			2.84	25
1,1,2,2-Tetrachloroethane	3.75	3.69	3.76	98.4	100	70.0-130			1.88	25
Tetrachloroethylene	3.75	3.73	3.70	99.5	98.7	70.0-130			0.808	25
Tetrahydrofuran	3.75	3.87	3.78	103	101	70.0-137			2.35	25
Toluene	3.75	3.74	3.84	99.7	102	70.0-130			2.64	25
1,2,4-Trichlorobenzene	3.75	3.79	3.69	101	98.4	70.0-160			2.67	25
1,1,1-Trichloroethane	3.75	3.73	3.74	99.5	99.7	70.0-130			0.268	25
1,1,2-Trichloroethane	3.75	3.87	3.82	103	102	70.0-130			1.30	25
Trichloroethylene	3.75	3.70	3.76	98.7	100	70.0-130			1.61	25
1,2,4-Trimethylbenzene	3.75	3.73	3.89	99.5	104	70.0-130			4.20	25
1,3,5-Trimethylbenzene	3.75	3.71	3.90	98.9	104	70.0-130			4.99	25
2,2,4-Trimethylpentane	3.75	3.75	3.78	100	101	70.0-130			0.797	25
Vinyl chloride	3.75	3.65	3.74	97.3	99.7	70.0-130			2.44	25
Vinyl Bromide	3.75	3.74	3.73	99.7	99.5	70.0-130			0.268	25
Vinyl acetate	3.75	3.86	3.76	103	100	70.0-130			2.62	25
m&p-Xylene	7.50	7.67	7.63	102	102	70.0-130			0.523	25
o-Xylene	3.75	3.83	3.79	102	101	70.0-130			1.05	25
(S) 1,4-Bromofluorobenzene				*99.0*	*99.0*	*60.0-140*				

Method Blank (MB)

(MB) R4030434-2 02/06/24 09:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.448	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4030434-2 02/06/24 09:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030434-1 02/06/24 08:41 • (LCSD) R4030434-3 02/06/24 11:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.84	3.76	102	100	70.0-130			2.11	25
Acetonitrile	18.8	19.9	19.9	106	106	70.0-130			0.000	25
Acrylonitrile	3.75	4.15	3.91	111	104	70.0-130			5.96	25
Allyl chloride	3.75	3.99	3.95	106	105	70.0-130			1.01	25
Benzene	3.75	4.02	3.94	107	105	70.0-130			2.01	25
Benzyl Chloride	3.75	4.19	4.05	112	108	70.0-152			3.40	25
Bromodichloromethane	3.75	3.97	3.90	106	104	70.0-130			1.78	25
Bromoform	3.75	3.88	3.82	103	102	70.0-130			1.56	25
Bromomethane	3.75	3.84	3.84	102	102	70.0-130			0.000	25
Bromoethane	3.75	3.90	3.87	104	103	70.0-130			0.772	25
1,3-Butadiene	3.75	4.24	4.10	113	109	70.0-130			3.36	25
Butane	3.75	3.89	3.83	104	102	70.0-130			1.55	25
Carbon disulfide	3.75	3.91	3.93	104	105	70.0-130			0.510	25
Carbon tetrachloride	3.75	3.92	3.94	105	105	70.0-130			0.509	25
Chlorobenzene	3.75	3.97	3.87	106	103	70.0-130			2.55	25
Chloroethane	3.75	3.93	3.86	105	103	70.0-130			1.80	25
Chloroform	3.75	4.02	3.96	107	106	70.0-130			1.50	25
Chloromethane	3.75	3.91	3.82	104	102	70.0-130			2.33	25
2-Chlorotoluene	3.75	4.12	4.08	110	109	70.0-130			0.976	25
Cyclohexane	3.75	3.98	3.93	106	105	70.0-130			1.26	25
n-Decane	3.75	4.30	4.26	115	114	70.0-130			0.935	25
Dibromochloromethane	3.75	4.01	3.95	107	105	70.0-130			1.51	25
1,2-Dibromoethane	3.75	4.00	3.98	107	106	70.0-130			0.501	25
1,2-Dichlorobenzene	3.75	4.04	4.00	108	107	70.0-130			0.995	25
1,3-Dichlorobenzene	3.75	4.14	4.06	110	108	70.0-130			1.95	25
1,4-Dichlorobenzene	3.75	4.09	4.06	109	108	70.0-130			0.736	25
1,2-Dichloroethane	3.75	3.99	3.92	106	105	70.0-130			1.77	25
1,1-Dichloroethane	3.75	3.98	3.93	106	105	70.0-130			1.26	25
1,1-Dichloroethene	3.75	3.93	3.95	105	105	70.0-130			0.508	25
cis-1,2-Dichloroethene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
trans-1,2-Dichloroethene	3.75	3.98	3.97	106	106	70.0-130			0.252	25
1,2-Dichloropropane	3.75	4.06	3.94	108	105	70.0-130			3.00	25
cis-1,3-Dichloropropene	3.75	4.34	4.30	116	115	70.0-130			0.926	25
trans-1,3-Dichloropropene	3.75	3.94	3.87	105	103	70.0-130			1.79	25
1,4-Dioxane	3.75	4.07	4.07	109	109	70.0-140			0.000	25
Ethanol	3.75	3.65	3.63	97.3	96.8	55.0-148			0.549	25
Ethylbenzene	3.75	4.16	4.05	111	108	70.0-130			2.68	25
4-Ethyltoluene	3.75	4.28	4.15	114	111	70.0-130			3.08	25
Trichlorofluoromethane	3.75	3.90	3.90	104	104	70.0-130			0.000	25
Dichlorodifluoromethane	3.75	4.03	2.26	107	60.3	64.0-139		J3 J4	56.3	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030434-1 02/06/24 08:41 • (LCSD) R4030434-3 02/06/24 11:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.95	3.86	105	103	70.0-130			2.30	25
1,2-Dichlorotetrafluoroethane	3.75	4.05	3.50	108	93.3	70.0-130			14.6	25
Heptane	3.75	4.06	3.96	108	106	70.0-130			2.49	25
Hexachloro-1,3-butadiene	3.75	3.97	3.91	106	104	70.0-151			1.52	25
n-Hexane	3.75	4.01	3.98	107	106	70.0-130			0.751	25
Isopropylbenzene	3.75	4.23	4.11	113	110	70.0-130			2.88	25
Methylene Chloride	3.75	3.95	3.87	105	103	70.0-130			2.05	25
Methyl Butyl Ketone	3.75	4.71	4.85	126	129	70.0-149			2.93	25
2-Butanone (MEK)	3.75	4.07	3.91	109	104	70.0-130			4.01	25
4-Methyl-2-pentanone (MIBK)	3.75	4.20	3.91	112	104	70.0-139			7.15	25
Methyl methacrylate	3.75	3.96	3.94	106	105	70.0-130			0.506	25
MTBE	3.75	4.07	3.95	109	105	70.0-130			2.99	25
Naphthalene	3.75	4.24	4.25	113	113	70.0-159			0.236	25
Nonane	3.75	4.11	4.04	110	108	70.0-130			1.72	25
Pentane	3.75	3.97	3.94	106	105	70.0-130			0.759	25
2-Propanol	3.75	4.25	4.37	113	117	70.0-139			2.78	25
Propene	3.75	4.21	3.87	112	103	64.0-144			8.42	25
Styrene	3.75	4.13	4.12	110	110	70.0-130			0.242	25
1,1,2,2-Tetrachloroethane	3.75	4.15	4.05	111	108	70.0-130			2.44	25
Tetrachloroethylene	3.75	4.00	3.91	107	104	70.0-130			2.28	25
Tetrahydrofuran	3.75	4.24	4.05	113	108	70.0-137			4.58	25
Toluene	3.75	4.04	3.91	108	104	70.0-130			3.27	25
1,2,4-Trichlorobenzene	3.75	4.12	4.15	110	111	70.0-160			0.726	25
1,1,1-Trichloroethane	3.75	3.92	3.84	105	102	70.0-130			2.06	25
1,1,2-Trichloroethane	3.75	4.02	3.86	107	103	70.0-130			4.06	25
Trichloroethylene	3.75	4.03	3.91	107	104	70.0-130			3.02	25
1,2,4-Trimethylbenzene	3.75	4.17	4.12	111	110	70.0-130			1.21	25
1,3,5-Trimethylbenzene	3.75	4.22	4.13	113	110	70.0-130			2.16	25
2,2,4-Trimethylpentane	3.75	4.04	3.93	108	105	70.0-130			2.76	25
Vinyl chloride	3.75	3.94	3.94	105	105	70.0-130			0.000	25
Vinyl Bromide	3.75	3.91	3.94	104	105	70.0-130			0.764	25
Vinyl acetate	3.75	3.87	3.75	103	100	70.0-130			3.15	25
m&p-Xylene	7.50	8.32	8.09	111	108	70.0-130			2.80	25
o-Xylene	3.75	4.17	4.09	111	109	70.0-130			1.94	25
(S) 1,4-Bromofluorobenzene				*102*	*99.7*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

G 149

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

L1702327

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0202MC001	008105	009471	02/02/24	1750	02/03/24	1148	-29	-7	DA	✓					A -01
MTWA0202MC002	029288	023555	02/02/24	1801	02/03/24	1128	-29	-7	DA	✓					A -02
MTWA0202MC003	029614	015692	02/02/24	1822	02/03/24	1052	-29	-9	DA	✓					A -03
MTWA0202MC003CL	008228	015631	02/02/24	1822	02/03/24	1052	-29	-8 -8 -9	DA	✓					A -04
MTWA0202MC004	014308	005680	02/02/24	1851	02/03/24	1110	-29	-8	DA	✓					A -05

Sample Receipt Checklist
COC Seal Present/Intact: ✓ Y N
COC Signed/Accurate: ✓ Y N
Bottles arrive intact: ✓ Y N
Correct bottles used: ✓ Y N
Size: ✓ Airs 1L 6L 1.4L
Tage Color: G W P B
Tubing ___ Shunt ___
T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	2/5/24 1330	[signature]	2/5/24 1330	
[signature]	2/5/24 1430	FEDEX	2/5/24 1430	

SDG # MTWA0202MC

Ei Denver IT 2-6-24 900

ANALYTICAL REPORT

February 06, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

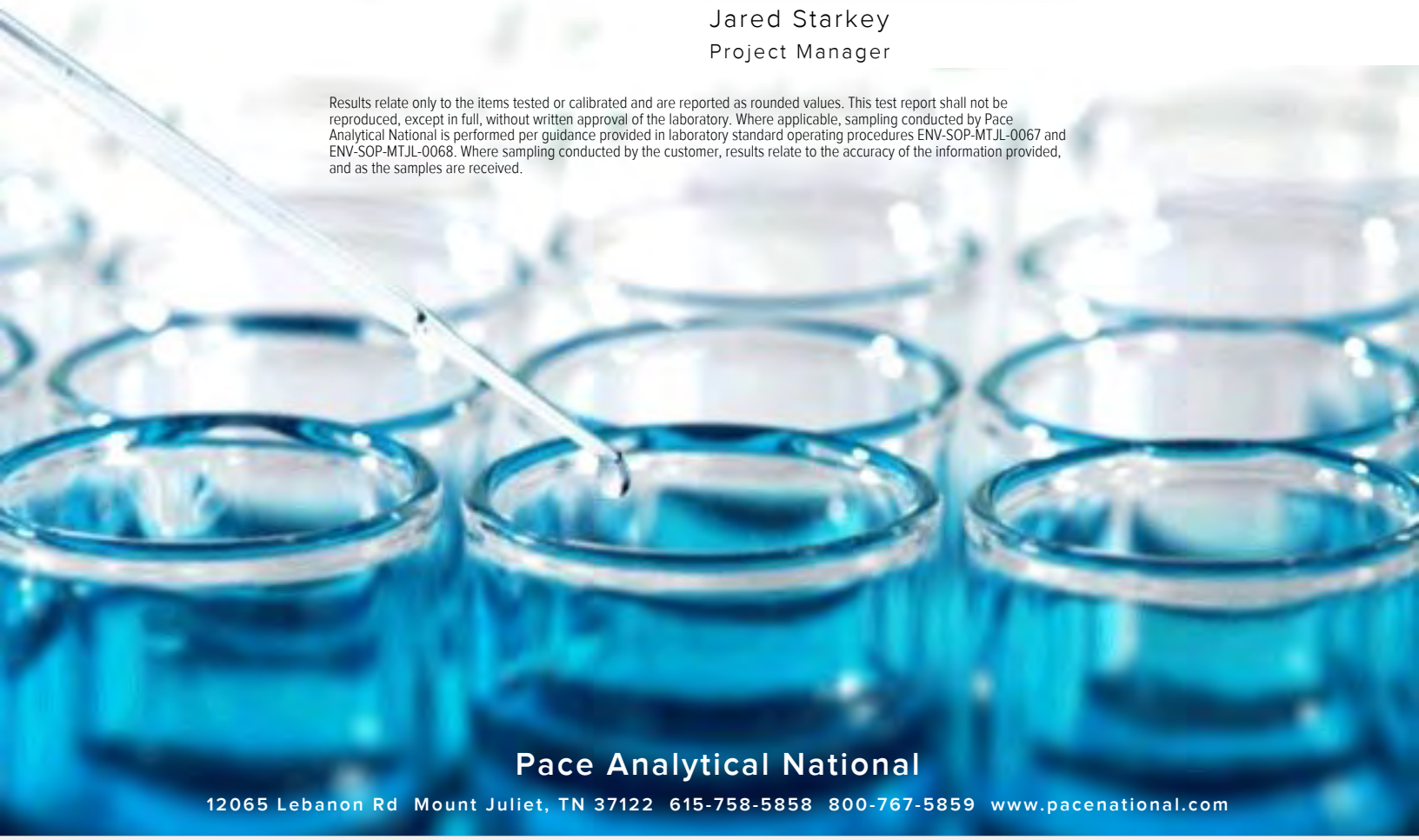
CTEH - ER

Sample Delivery Group:	L1702338
Samples Received:	02/06/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0203MC001 L1702338-01 Air

Collected by	Collected date/time	Received date/time
	02/04/24 05:02	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220840	1	02/06/24 13:22	02/06/24 13:22	SDS	Mt. Juliet, TN

MTWA0203MC002 L1702338-02 Air

Collected by	Collected date/time	Received date/time
	02/04/24 05:24	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220840	1	02/06/24 13:48	02/06/24 13:48	SDS	Mt. Juliet, TN

MTWA0203MC003 L1702338-03 Air

Collected by	Collected date/time	Received date/time
	02/04/24 06:01	02/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2220840	1	02/06/24 14:13	02/06/24 14:13	SDS	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2220840	(LCSD) R4030434-3, L1702338-01, 02, 03	Dichlorodifluoromethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2220840	(LCSD) R4030434-3, L1702338-01, 02, 03	Dichlorodifluoromethane

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0203MC001	L1702338-01	Acetone	67-64-1	58.10	1.25	2.97	8.04	19.1		1	WG2220840
MTWA0203MC001	L1702338-01	Acrylonitrile	107-13-1	53	5.00	10.8	11.1	24.1		1	WG2220840
MTWA0203MC001	L1702338-01	Benzene	71-43-2	78.10	0.200	0.639	0.249	0.795		1	WG2220840
MTWA0203MC001	L1702338-01	Butane	106-97-8	58	0.200	0.474	0.839	1.99		1	WG2220840
MTWA0203MC001	L1702338-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.655	1.35		1	WG2220840
MTWA0203MC001	L1702338-01	Ethanol	64-17-5	46.10	2.50	4.71	27.0	50.9		1	WG2220840
MTWA0203MC001	L1702338-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2220840
MTWA0203MC001	L1702338-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.540	2.67	J3 J4	1	WG2220840
MTWA0203MC001	L1702338-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.302	1.05		1	WG2220840
MTWA0203MC001	L1702338-01	Pentane	109-66-0	72.15	0.200	0.590	0.340	1.00		1	WG2220840
MTWA0203MC001	L1702338-01	Toluene	108-88-3	92.10	0.500	1.88	2.37	8.93		1	WG2220840
MTWA0203MC002	L1702338-02	Acetone	67-64-1	58.10	1.25	2.97	3.11	7.39		1	WG2220840
MTWA0203MC002	L1702338-02	Butane	106-97-8	58	0.200	0.474	1.27	3.01		1	WG2220840
MTWA0203MC002	L1702338-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.618	1.28		1	WG2220840
MTWA0203MC002	L1702338-02	Ethanol	64-17-5	46.10	2.50	4.71	10.6	20.0		1	WG2220840
MTWA0203MC002	L1702338-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.239	1.34		1	WG2220840
MTWA0203MC002	L1702338-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.490	2.42	J3 J4	1	WG2220840
MTWA0203MC002	L1702338-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.264	0.917		1	WG2220840
MTWA0203MC002	L1702338-02	Pentane	109-66-0	72.15	0.200	0.590	0.434	1.28		1	WG2220840
MTWA0203MC002	L1702338-02	Toluene	108-88-3	92.10	0.500	1.88	0.529	1.99		1	WG2220840
MTWA0203MC003	L1702338-03	Acetone	67-64-1	58.10	1.25	2.97	4.72	11.2		1	WG2220840
MTWA0203MC003	L1702338-03	Acetonitrile	75-05-8	41.05	5.00	8.39	59.2	99.4		1	WG2220840
MTWA0203MC003	L1702338-03	Benzene	71-43-2	78.10	0.200	0.639	0.286	0.914		1	WG2220840
MTWA0203MC003	L1702338-03	Butane	106-97-8	58	0.200	0.474	13.9	33.0		1	WG2220840
MTWA0203MC003	L1702338-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.603	1.25		1	WG2220840
MTWA0203MC003	L1702338-03	Cyclohexane	110-82-7	84.20	0.200	0.689	0.286	0.985		1	WG2220840
MTWA0203MC003	L1702338-03	n-Decane	124-18-5	142.28	0.200	1.16	0.242	1.41		1	WG2220840
MTWA0203MC003	L1702338-03	Ethanol	64-17-5	46.10	2.50	4.71	60.4	114		1	WG2220840
MTWA0203MC003	L1702338-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.237	1.33		1	WG2220840
MTWA0203MC003	L1702338-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.560	2.77	J3 J4	1	WG2220840
MTWA0203MC003	L1702338-03	Heptane	142-82-5	100	0.200	0.818	0.323	1.32		1	WG2220840
MTWA0203MC003	L1702338-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.719	2.50		1	WG2220840
MTWA0203MC003	L1702338-03	Pentane	109-66-0	72.15	0.200	0.590	2.02	5.96		1	WG2220840
MTWA0203MC003	L1702338-03	2-Propanol	67-63-0	60.10	1.25	3.07	7.24	17.8		1	WG2220840
MTWA0203MC003	L1702338-03	Toluene	108-88-3	92.10	0.500	1.88	1.25	4.71		1	WG2220840
MTWA0203MC003	L1702338-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.319	1.49		1	WG2220840
MTWA0203MC003	L1702338-03	m&p-Xylene	179601-23-1	106	0.400	1.73	0.483	2.09		1	WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.04	19.1		1	WG2220840
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220840
Acrylonitrile	107-13-1	53	5.00	10.8	11.1	24.1		1	WG2220840
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220840
Benzene	71-43-2	78.10	0.200	0.639	0.249	0.795		1	WG2220840
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220840
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220840
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220840
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220840
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220840
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220840
Butane	106-97-8	58	0.200	0.474	0.839	1.99		1	WG2220840
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220840
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220840
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220840
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220840
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220840
Chloromethane	74-87-3	50.50	0.200	0.413	0.655	1.35		1	WG2220840
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220840
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220840
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220840
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220840
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220840
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220840
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220840
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220840
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220840
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220840
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220840
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220840
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220840
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220840
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220840
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220840
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220840
Ethanol	64-17-5	46.10	2.50	4.71	27.0	50.9		1	WG2220840
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220840
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220840
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2220840
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.540	2.67	J3 J4	1	WG2220840
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220840
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220840
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220840
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220840
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220840
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220840
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.302	1.05		1	WG2220840
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220840
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220840
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220840
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220840
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220840
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220840
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220840
Pentane	109-66-0	72.15	0.200	0.590	0.340	1.00		1	WG2220840
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220840
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220840
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220840
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220840
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220840
Toluene	108-88-3	92.10	0.500	1.88	2.37	8.93		1	WG2220840
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220840
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220840
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220840
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220840
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220840
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220840
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220840
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220840
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220840
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220840
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220840
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220840
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.11	7.39		1	WG2220840
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2220840
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220840
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220840
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2220840
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220840
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220840
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220840
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220840
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220840
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220840
Butane	106-97-8	58	0.200	0.474	1.27	3.01		1	WG2220840
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220840
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220840
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220840
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220840
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220840
Chloromethane	74-87-3	50.50	0.200	0.413	0.618	1.28		1	WG2220840
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220840
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2220840
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2220840
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220840
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220840
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220840
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220840
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220840
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220840
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220840
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220840
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220840
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220840
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220840
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220840
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220840
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220840
Ethanol	64-17-5	46.10	2.50	4.71	10.6	20.0		1	WG2220840
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220840
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220840
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.239	1.34		1	WG2220840
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.490	2.42	J3 J4	1	WG2220840
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220840
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220840
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2220840
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220840
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220840
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220840
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.264	0.917		1	WG2220840
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220840
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220840
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220840
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220840
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220840
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220840
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220840
Pentane	109-66-0	72.15	0.200	0.590	0.434	1.28		1	WG2220840
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220840
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220840
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220840
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220840
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220840
Toluene	108-88-3	92.10	0.500	1.88	0.529	1.99		1	WG2220840
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220840
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220840
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220840
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220840
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220840
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220840
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2220840
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220840
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220840
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220840
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2220840
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220840
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.9*				WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.72	11.2		1	WG2220840
Acetonitrile	75-05-8	41.05	5.00	8.39	59.2	99.4		1	WG2220840
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2220840
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2220840
Benzene	71-43-2	78.10	0.200	0.639	0.286	0.914		1	WG2220840
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2220840
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2220840
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2220840
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2220840
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2220840
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2220840
Butane	106-97-8	58	0.200	0.474	13.9	33.0		1	WG2220840
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2220840
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2220840
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2220840
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2220840
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2220840
Chloromethane	74-87-3	50.50	0.200	0.413	0.603	1.25		1	WG2220840
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2220840
Cyclohexane	110-82-7	84.20	0.200	0.689	0.286	0.985		1	WG2220840
n-Decane	124-18-5	142.28	0.200	1.16	0.242	1.41		1	WG2220840
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2220840
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2220840
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2220840
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2220840
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2220840
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2220840
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2220840
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2220840
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2220840
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2220840
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2220840
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2220840
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2220840
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2220840
Ethanol	64-17-5	46.10	2.50	4.71	60.4	114		1	WG2220840
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2220840
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2220840
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.237	1.33		1	WG2220840
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.560	2.77	J3 J4	1	WG2220840
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2220840
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2220840
Heptane	142-82-5	100	0.200	0.818	0.323	1.32		1	WG2220840
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2220840
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2220840
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2220840
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.719	2.50		1	WG2220840
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2220840
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2220840
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2220840
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2220840
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2220840
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2220840
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2220840
Pentane	109-66-0	72.15	0.200	0.590	2.02	5.96		1	WG2220840
2-Propanol	67-63-0	60.10	1.25	3.07	7.24	17.8		1	WG2220840

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2220840
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2220840
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2220840
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2220840
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2220840
Toluene	108-88-3	92.10	0.500	1.88	1.25	4.71		1	WG2220840
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2220840
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2220840
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2220840
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2220840
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2220840
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2220840
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.319	1.49		1	WG2220840
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2220840
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2220840
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2220840
m&p-Xylene	179601-23-1	106	0.400	1.73	0.483	2.09		1	WG2220840
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2220840
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG2220840

Method Blank (MB)

(MB) R4030434-2 02/06/24 09:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.448	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4030434-2 02/06/24 09:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.5*			*60.0-140*

QUALITY CONTROL SUMMARY

L1702338-01,02,03

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030434-1 02/06/24 08:41 • (LCSD) R4030434-3 02/06/24 11:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.84	3.76	102	100	70.0-130			2.11	25
Acetonitrile	18.8	19.9	19.9	106	106	70.0-130			0.000	25
Acrylonitrile	3.75	4.15	3.91	111	104	70.0-130			5.96	25
Allyl chloride	3.75	3.99	3.95	106	105	70.0-130			1.01	25
Benzene	3.75	4.02	3.94	107	105	70.0-130			2.01	25
Benzyl Chloride	3.75	4.19	4.05	112	108	70.0-152			3.40	25
Bromodichloromethane	3.75	3.97	3.90	106	104	70.0-130			1.78	25
Bromoform	3.75	3.88	3.82	103	102	70.0-130			1.56	25
Bromomethane	3.75	3.84	3.84	102	102	70.0-130			0.000	25
Bromoethane	3.75	3.90	3.87	104	103	70.0-130			0.772	25
1,3-Butadiene	3.75	4.24	4.10	113	109	70.0-130			3.36	25
Butane	3.75	3.89	3.83	104	102	70.0-130			1.55	25
Carbon disulfide	3.75	3.91	3.93	104	105	70.0-130			0.510	25
Carbon tetrachloride	3.75	3.92	3.94	105	105	70.0-130			0.509	25
Chlorobenzene	3.75	3.97	3.87	106	103	70.0-130			2.55	25
Chloroethane	3.75	3.93	3.86	105	103	70.0-130			1.80	25
Chloroform	3.75	4.02	3.96	107	106	70.0-130			1.50	25
Chloromethane	3.75	3.91	3.82	104	102	70.0-130			2.33	25
2-Chlorotoluene	3.75	4.12	4.08	110	109	70.0-130			0.976	25
Cyclohexane	3.75	3.98	3.93	106	105	70.0-130			1.26	25
n-Decane	3.75	4.30	4.26	115	114	70.0-130			0.935	25
Dibromochloromethane	3.75	4.01	3.95	107	105	70.0-130			1.51	25
1,2-Dibromoethane	3.75	4.00	3.98	107	106	70.0-130			0.501	25
1,2-Dichlorobenzene	3.75	4.04	4.00	108	107	70.0-130			0.995	25
1,3-Dichlorobenzene	3.75	4.14	4.06	110	108	70.0-130			1.95	25
1,4-Dichlorobenzene	3.75	4.09	4.06	109	108	70.0-130			0.736	25
1,2-Dichloroethane	3.75	3.99	3.92	106	105	70.0-130			1.77	25
1,1-Dichloroethane	3.75	3.98	3.93	106	105	70.0-130			1.26	25
1,1-Dichloroethene	3.75	3.93	3.95	105	105	70.0-130			0.508	25
cis-1,2-Dichloroethene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
trans-1,2-Dichloroethene	3.75	3.98	3.97	106	106	70.0-130			0.252	25
1,2-Dichloropropane	3.75	4.06	3.94	108	105	70.0-130			3.00	25
cis-1,3-Dichloropropene	3.75	4.34	4.30	116	115	70.0-130			0.926	25
trans-1,3-Dichloropropene	3.75	3.94	3.87	105	103	70.0-130			1.79	25
1,4-Dioxane	3.75	4.07	4.07	109	109	70.0-140			0.000	25
Ethanol	3.75	3.65	3.63	97.3	96.8	55.0-148			0.549	25
Ethylbenzene	3.75	4.16	4.05	111	108	70.0-130			2.68	25
4-Ethyltoluene	3.75	4.28	4.15	114	111	70.0-130			3.08	25
Trichlorofluoromethane	3.75	3.90	3.90	104	104	70.0-130			0.000	25
Dichlorodifluoromethane	3.75	4.03	2.26	107	60.3	64.0-139		J3 J4	56.3	25

QUALITY CONTROL SUMMARY

L1702338-01,02,03

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030434-1 02/06/24 08:41 • (LCSD) R4030434-3 02/06/24 11:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.95	3.86	105	103	70.0-130			2.30	25
1,2-Dichlorotetrafluoroethane	3.75	4.05	3.50	108	93.3	70.0-130			14.6	25
Heptane	3.75	4.06	3.96	108	106	70.0-130			2.49	25
Hexachloro-1,3-butadiene	3.75	3.97	3.91	106	104	70.0-151			1.52	25
n-Hexane	3.75	4.01	3.98	107	106	70.0-130			0.751	25
Isopropylbenzene	3.75	4.23	4.11	113	110	70.0-130			2.88	25
Methylene Chloride	3.75	3.95	3.87	105	103	70.0-130			2.05	25
Methyl Butyl Ketone	3.75	4.71	4.85	126	129	70.0-149			2.93	25
2-Butanone (MEK)	3.75	4.07	3.91	109	104	70.0-130			4.01	25
4-Methyl-2-pentanone (MIBK)	3.75	4.20	3.91	112	104	70.0-139			7.15	25
Methyl methacrylate	3.75	3.96	3.94	106	105	70.0-130			0.506	25
MTBE	3.75	4.07	3.95	109	105	70.0-130			2.99	25
Naphthalene	3.75	4.24	4.25	113	113	70.0-159			0.236	25
Nonane	3.75	4.11	4.04	110	108	70.0-130			1.72	25
Pentane	3.75	3.97	3.94	106	105	70.0-130			0.759	25
2-Propanol	3.75	4.25	4.37	113	117	70.0-139			2.78	25
Propene	3.75	4.21	3.87	112	103	64.0-144			8.42	25
Styrene	3.75	4.13	4.12	110	110	70.0-130			0.242	25
1,1,2,2-Tetrachloroethane	3.75	4.15	4.05	111	108	70.0-130			2.44	25
Tetrachloroethylene	3.75	4.00	3.91	107	104	70.0-130			2.28	25
Tetrahydrofuran	3.75	4.24	4.05	113	108	70.0-137			4.58	25
Toluene	3.75	4.04	3.91	108	104	70.0-130			3.27	25
1,2,4-Trichlorobenzene	3.75	4.12	4.15	110	111	70.0-160			0.726	25
1,1,1-Trichloroethane	3.75	3.92	3.84	105	102	70.0-130			2.06	25
1,1,2-Trichloroethane	3.75	4.02	3.86	107	103	70.0-130			4.06	25
Trichloroethylene	3.75	4.03	3.91	107	104	70.0-130			3.02	25
1,2,4-Trimethylbenzene	3.75	4.17	4.12	111	110	70.0-130			1.21	25
1,3,5-Trimethylbenzene	3.75	4.22	4.13	113	110	70.0-130			2.16	25
2,2,4-Trimethylpentane	3.75	4.04	3.93	108	105	70.0-130			2.76	25
Vinyl chloride	3.75	3.94	3.94	105	105	70.0-130			0.000	25
Vinyl Bromide	3.75	3.91	3.94	104	105	70.0-130			0.764	25
Vinyl acetate	3.75	3.87	3.75	103	100	70.0-130			3.15	25
m&p-Xylene	7.50	8.32	8.09	111	108	70.0-130			2.80	25
o-Xylene	3.75	4.17	4.09	111	109	70.0-130			1.94	25
(S) 1,4-Bromofluorobenzene				*102*	*99.7*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

G150

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

L1702338

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day ☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☑

Retain w/ storage fees after 2X hold time ☐

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0203MC001	013036	023549	02/03/24	1154	02/04/24	0502	-29	-8	DA	✓					A -01
MTWA0203MC002	028048	009505	02/03/24	1135	02/04/24	0524	-29	-9	DA	✓					A -02
MTWA0203MC003	029361	028604	02/03/24	1102	02/04/24	0601	-29	-9	DA	✓					A -03
MTWA0203MC004	029144	011685	02/03/24	1114	02/04/24	0621	-29	-5	DA	✓					A
MTWA0203MC004CL	029375	029300	02/03/24	1114	02/04/24	0637	-29	-7	DA	✓					A

Sample Receipt Checklist

COC Seal Present/Intact: ✓Y__N
COC Signed/Accurate: ✓Y__N
Bottles arrive intact: ✓Y__N
Correct bottles used: ✓Y__N
Size: ✓ Airs 1L ____6L ____1.4L
Tage Color: G__ W__ P__ B__
Tubing ___ Shunt ___

T/P#: _____

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	2/5/24 1330		2/5/24 1330	
	2/5/24 1430	FedEx	2/5/24 1430	NCF
		Ev Dawson 17	2-6-24 900	

SDG # MTWA0203MC

ANALYTICAL REPORT

February 07, 2024

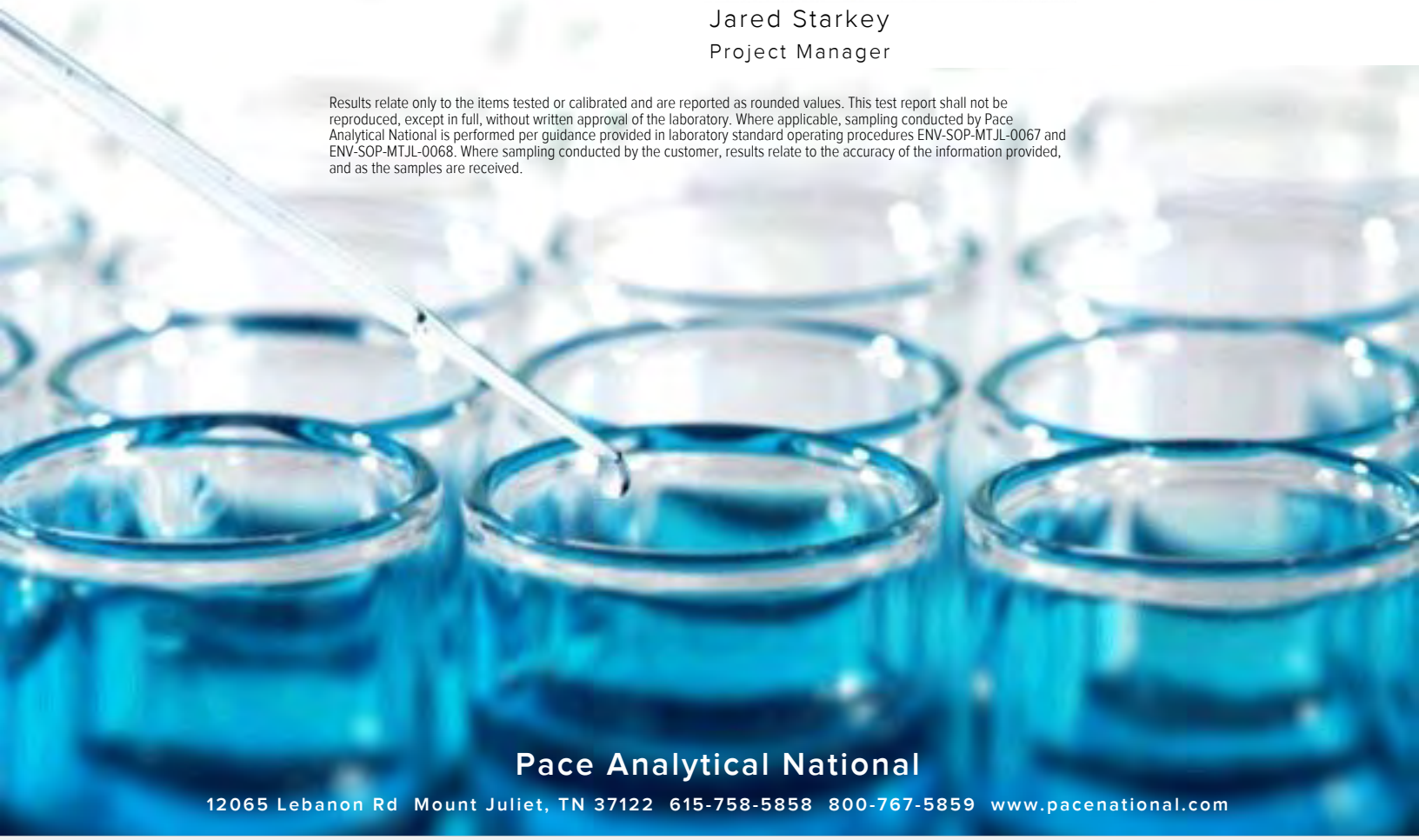
CTEH - ER

Sample Delivery Group:	L1702762
Samples Received:	02/07/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MTWA0204MC001 L1702762-01 Air

Collected by: DA | Collected date/time: 02/04/24 23:00 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 11:44	02/07/24 11:44	SDS	Mt. Juliet, TN

MTWA0204MC002 L1702762-02 Air

Collected by: DA | Collected date/time: 02/04/24 23:27 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 12:10	02/07/24 12:10	SDS	Mt. Juliet, TN

MTWA0204MC003 L1702762-03 Air

Collected by: DA | Collected date/time: 02/04/24 23:47 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 12:36	02/07/24 12:36	SDS	Mt. Juliet, TN

MTWA0204MC004 L1702762-04 Air

Collected by: DA | Collected date/time: 02/04/24 23:56 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 13:02	02/07/24 13:02	SDS	Mt. Juliet, TN

MTWA0204MC001B L1702762-05 Air

Collected by: DA | Collected date/time: 02/05/24 17:01 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 13:28	02/07/24 13:28	SDS	Mt. Juliet, TN

MTWA0204MC002B L1702762-06 Air

Collected by: DA | Collected date/time: 02/05/24 17:10 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 13:54	02/07/24 13:54	SDS	Mt. Juliet, TN

MTWA0204MC003B L1702762-07 Air

Collected by: DA | Collected date/time: 02/05/24 17:26 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 14:20	02/07/24 14:20	SDS	Mt. Juliet, TN

MTWA0204MC004B L1702762-08 Air

Collected by: DA | Collected date/time: 02/05/24 17:36 | Received date/time: 02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2221705	1	02/07/24 14:46	02/07/24 14:46	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2221705	(LCSD) R4030965-3, L1702762-01, 02, 03, 04, 05, 06, 07, 08	Dichlorodifluoromethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2221705	(LCSD) R4030965-3, L1702762-01, 02, 03, 04, 05, 06, 07, 08	Dichlorodifluoromethane

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0204MC001	L1702762-01	Acetone	67-64-1	58.10	1.25	2.97	2.92	6.94		1	WG2221705
MTWA0204MC001	L1702762-01	Benzene	71-43-2	78.10	0.200	0.639	0.237	0.757		1	WG2221705
MTWA0204MC001	L1702762-01	Butane	106-97-8	58	0.200	0.474	0.763	1.81		1	WG2221705
MTWA0204MC001	L1702762-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.611	1.26		1	WG2221705
MTWA0204MC001	L1702762-01	Ethanol	64-17-5	46.10	2.50	4.71	39.2	73.9		1	WG2221705
MTWA0204MC001	L1702762-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2221705
MTWA0204MC001	L1702762-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.208	1.03	J3 J4	1	WG2221705
MTWA0204MC001	L1702762-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.271	0.941		1	WG2221705
MTWA0204MC001	L1702762-01	Pentane	109-66-0	72.15	0.200	0.590	0.297	0.876		1	WG2221705
MTWA0204MC002	L1702762-02	Acetone	67-64-1	58.10	1.25	2.97	3.29	7.82		1	WG2221705
MTWA0204MC002	L1702762-02	Benzene	71-43-2	78.10	0.200	0.639	0.225	0.719		1	WG2221705
MTWA0204MC002	L1702762-02	Butane	106-97-8	58	0.200	0.474	0.745	1.77		1	WG2221705
MTWA0204MC002	L1702762-02	Chloroethane	75-00-3	64.50	0.200	0.528	0.293	0.773		1	WG2221705
MTWA0204MC002	L1702762-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.629	1.30		1	WG2221705
MTWA0204MC002	L1702762-02	Ethanol	64-17-5	46.10	2.50	4.71	35.7	67.3		1	WG2221705
MTWA0204MC002	L1702762-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.251	1.41		1	WG2221705
MTWA0204MC002	L1702762-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.492	2.43	J3 J4	1	WG2221705
MTWA0204MC002	L1702762-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.247	0.858		1	WG2221705
MTWA0204MC002	L1702762-02	Pentane	109-66-0	72.15	0.200	0.590	0.293	0.865		1	WG2221705
MTWA0204MC002	L1702762-02	Toluene	108-88-3	92.10	0.500	1.88	0.673	2.54		1	WG2221705
MTWA0204MC003	L1702762-03	Acetone	67-64-1	58.10	1.25	2.97	2.45	5.82		1	WG2221705
MTWA0204MC003	L1702762-03	Benzene	71-43-2	78.10	0.200	0.639	0.203	0.648		1	WG2221705
MTWA0204MC003	L1702762-03	Butane	106-97-8	58	0.200	0.474	0.850	2.02		1	WG2221705
MTWA0204MC003	L1702762-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.570	1.18		1	WG2221705
MTWA0204MC003	L1702762-03	Ethanol	64-17-5	46.10	2.50	4.71	33.3	62.8		1	WG2221705
MTWA0204MC003	L1702762-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2221705
MTWA0204MC003	L1702762-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.542	2.68	J3 J4	1	WG2221705
MTWA0204MC003	L1702762-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.406	1.41		1	WG2221705
MTWA0204MC003	L1702762-03	Pentane	109-66-0	72.15	0.200	0.590	0.568	1.68		1	WG2221705
MTWA0204MC003	L1702762-03	2-Propanol	67-63-0	60.10	1.25	3.07	1.59	3.91		1	WG2221705
MTWA0204MC004	L1702762-04	Acetone	67-64-1	58.10	1.25	2.97	2.37	5.63		1	WG2221705
MTWA0204MC004	L1702762-04	Benzene	71-43-2	78.10	0.200	0.639	0.201	0.642		1	WG2221705
MTWA0204MC004	L1702762-04	Butane	106-97-8	58	0.200	0.474	0.786	1.86		1	WG2221705
MTWA0204MC004	L1702762-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.548	1.13		1	WG2221705
MTWA0204MC004	L1702762-04	Ethanol	64-17-5	46.10	2.50	4.71	22.4	42.2		1	WG2221705
MTWA0204MC004	L1702762-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.245	1.38		1	WG2221705
MTWA0204MC004	L1702762-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.491	2.43	J3 J4	1	WG2221705
MTWA0204MC004	L1702762-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.236	0.819		1	WG2221705
MTWA0204MC004	L1702762-04	Pentane	109-66-0	72.15	0.200	0.590	0.813	2.40		1	WG2221705
MTWA0204MC001B	L1702762-05	Acetone	67-64-1	58.10	1.25	2.97	2.27	5.39		1	WG2221705
MTWA0204MC001B	L1702762-05	Benzene	71-43-2	78.10	0.200	0.639	0.261	0.834		1	WG2221705
MTWA0204MC001B	L1702762-05	Butane	106-97-8	58	0.200	0.474	1.16	2.75		1	WG2221705
MTWA0204MC001B	L1702762-05	Carbon disulfide	75-15-0	76.10	0.200	0.622	0.244	0.759		1	WG2221705
MTWA0204MC001B	L1702762-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.545	1.13		1	WG2221705
MTWA0204MC001B	L1702762-05	Ethanol	64-17-5	46.10	2.50	4.71	22.9	43.2		1	WG2221705
MTWA0204MC001B	L1702762-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG2221705
MTWA0204MC001B	L1702762-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.531	2.63	J3 J4	1	WG2221705
MTWA0204MC001B	L1702762-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.453	1.57		1	WG2221705
MTWA0204MC001B	L1702762-05	Pentane	109-66-0	72.15	0.200	0.590	0.411	1.21		1	WG2221705
MTWA0204MC001B	L1702762-05	Toluene	108-88-3	92.10	0.500	1.88	0.586	2.21		1	WG2221705

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0204MC002B	L1702762-06	Acetone	67-64-1	58.10	1.25	2.97	2.29	5.44		1	WG2221705
MTWA0204MC002B	L1702762-06	Butane	106-97-8	58	0.200	0.474	1.03	2.44		1	WG2221705
MTWA0204MC002B	L1702762-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.554	1.14		1	WG2221705
MTWA0204MC002B	L1702762-06	Ethanol	64-17-5	46.10	2.50	4.71	31.7	59.8		1	WG2221705
MTWA0204MC002B	L1702762-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2221705
MTWA0204MC002B	L1702762-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.481	2.38	J3 J4	1	WG2221705
MTWA0204MC002B	L1702762-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG2221705
MTWA0204MC002B	L1702762-06	Pentane	109-66-0	72.15	0.200	0.590	0.292	0.862		1	WG2221705
MTWA0204MC002B	L1702762-06	2-Propanol	67-63-0	60.10	1.25	3.07	1.31	3.22		1	WG2221705
MTWA0204MC003B	L1702762-07	Acetone	67-64-1	58.10	1.25	2.97	6.65	15.8		1	WG2221705
MTWA0204MC003B	L1702762-07	Benzene	71-43-2	78.10	0.200	0.639	0.680	2.17		1	WG2221705
MTWA0204MC003B	L1702762-07	Butane	106-97-8	58	0.200	0.474	1.81	4.29		1	WG2221705
MTWA0204MC003B	L1702762-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.903	1.87		1	WG2221705
MTWA0204MC003B	L1702762-07	Cyclohexane	110-82-7	84.20	0.200	0.689	0.725	2.50		1	WG2221705
MTWA0204MC003B	L1702762-07	Ethanol	64-17-5	46.10	2.50	4.71	13.9	26.2		1	WG2221705
MTWA0204MC003B	L1702762-07	Ethylbenzene	100-41-4	106	0.200	0.867	0.231	1.00		1	WG2221705
MTWA0204MC003B	L1702762-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2221705
MTWA0204MC003B	L1702762-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.508	2.51	J3 J4	1	WG2221705
MTWA0204MC003B	L1702762-07	Heptane	142-82-5	100	0.200	0.818	0.572	2.34		1	WG2221705
MTWA0204MC003B	L1702762-07	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.235	1.16		1	WG2221705
MTWA0204MC003B	L1702762-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.255	0.885		1	WG2221705
MTWA0204MC003B	L1702762-07	Pentane	109-66-0	72.15	0.200	0.590	1.37	4.04		1	WG2221705
MTWA0204MC003B	L1702762-07	2-Propanol	67-63-0	60.10	1.25	3.07	1.29	3.17		1	WG2221705
MTWA0204MC003B	L1702762-07	Toluene	108-88-3	92.10	0.500	1.88	3.21	12.1		1	WG2221705
MTWA0204MC003B	L1702762-07	1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.203	0.996		1	WG2221705
MTWA0204MC003B	L1702762-07	m&p-Xylene	179601-23-1	106	0.400	1.73	0.838	3.63		1	WG2221705
MTWA0204MC003B	L1702762-07	o-Xylene	95-47-6	106	0.200	0.867	0.341	1.48		1	WG2221705
MTWA0204MC004B	L1702762-08	Acetone	67-64-1	58.10	1.25	2.97	2.48	5.89		1	WG2221705
MTWA0204MC004B	L1702762-08	Butane	106-97-8	58	0.200	0.474	1.09	2.59		1	WG2221705
MTWA0204MC004B	L1702762-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.566	1.17		1	WG2221705
MTWA0204MC004B	L1702762-08	Ethanol	64-17-5	46.10	2.50	4.71	35.9	67.7		1	WG2221705
MTWA0204MC004B	L1702762-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2221705
MTWA0204MC004B	L1702762-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.505	2.50	J3 J4	1	WG2221705
MTWA0204MC004B	L1702762-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.253	0.879		1	WG2221705
MTWA0204MC004B	L1702762-08	Pentane	109-66-0	72.15	0.200	0.590	0.290	0.856		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.92	6.94		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	0.237	0.757		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	0.763	1.81		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.611	1.26		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	39.2	73.9		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.208	1.03	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.271	0.941		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.297	0.876		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.0*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.29	7.82		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	0.225	0.719		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	0.745	1.77		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	0.293	0.773		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.629	1.30		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	35.7	67.3		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.251	1.41		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.492	2.43	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.247	0.858		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.293	0.865		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	0.673	2.54		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.6*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.45	5.82		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	0.203	0.648		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	0.850	2.02		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.570	1.18		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	33.3	62.8		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.542	2.68	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.406	1.41		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.568	1.68		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	1.59	3.91		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.3*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.37	5.63		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	0.201	0.642		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	0.786	1.86		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.548	1.13		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	22.4	42.2		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.245	1.38		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.491	2.43	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.236	0.819		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.813	2.40		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.9*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.27	5.39		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	0.261	0.834		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	1.16	2.75		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.244	0.759		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.545	1.13		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	22.9	43.2		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.531	2.63	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.453	1.57		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.411	1.21		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	0.586	2.21		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.1*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.29	5.44		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	1.03	2.44		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.554	1.14		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	31.7	59.8		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.481	2.38	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.292	0.862		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	1.31	3.22		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.2*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.65	15.8		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	0.680	2.17		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	1.81	4.29		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.903	1.87		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	0.725	2.50		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	13.9	26.2		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	0.231	1.00		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.508	2.51	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	0.572	2.34		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.235	1.16		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.255	0.885		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	1.37	4.04		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	1.29	3.17		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	3.21	12.1		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.203	0.996		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	0.838	3.63		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	0.341	1.48		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.8*				WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.48	5.89		1	WG2221705
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2221705
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2221705
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2221705
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2221705
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2221705
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2221705
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2221705
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2221705
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2221705
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2221705
Butane	106-97-8	58	0.200	0.474	1.09	2.59		1	WG2221705
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2221705
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2221705
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2221705
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2221705
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2221705
Chloromethane	74-87-3	50.50	0.200	0.413	0.566	1.17		1	WG2221705
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2221705
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2221705
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2221705
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2221705
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2221705
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2221705
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2221705
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2221705
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2221705
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2221705
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2221705
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2221705
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2221705
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2221705
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2221705
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2221705
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2221705
Ethanol	64-17-5	46.10	2.50	4.71	35.9	67.7		1	WG2221705
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2221705
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2221705
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2221705
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.505	2.50	J3 J4	1	WG2221705
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2221705
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2221705
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2221705
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2221705
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2221705
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2221705
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.253	0.879		1	WG2221705
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2221705
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2221705
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2221705
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2221705
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2221705
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2221705
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2221705
Pentane	109-66-0	72.15	0.200	0.590	0.290	0.856		1	WG2221705
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2221705

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2221705
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2221705
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2221705
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2221705
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2221705
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2221705
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2221705
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2221705
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2221705
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2221705
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2221705
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2221705
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2221705
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2221705
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2221705
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2221705
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2221705
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2221705
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.0*				WG2221705

Method Blank (MB)

(MB) R4030965-2 02/07/24 09:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.491	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4030965-2 02/07/24 09:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*97.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030965-1 02/07/24 08:48 • (LCSD) R4030965-3 02/07/24 11:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.92	3.82	105	102	70.0-130			2.58	25
Acetonitrile	18.8	20.3	20.1	108	107	70.0-130			0.990	25
Acrylonitrile	3.75	3.98	3.91	106	104	70.0-130			1.77	25
Allyl chloride	3.75	3.93	4.06	105	108	70.0-130			3.25	25
Benzene	3.75	4.03	3.99	107	106	70.0-130			0.998	25
Benzyl Chloride	3.75	4.12	4.14	110	110	70.0-152			0.484	25
Bromodichloromethane	3.75	4.05	4.07	108	109	70.0-130			0.493	25
Bromoform	3.75	3.97	3.95	106	105	70.0-130			0.505	25
Bromomethane	3.75	3.89	3.93	104	105	70.0-130			1.02	25
Bromoethane	3.75	3.96	3.99	106	106	70.0-130			0.755	25
1,3-Butadiene	3.75	4.26	4.21	114	112	70.0-130			1.18	25
Butane	3.75	3.99	3.88	106	103	70.0-130			2.80	25
Carbon disulfide	3.75	3.97	4.03	106	107	70.0-130			1.50	25
Carbon tetrachloride	3.75	3.99	3.96	106	106	70.0-130			0.755	25
Chlorobenzene	3.75	3.97	4.01	106	107	70.0-130			1.00	25
Chloroethane	3.75	3.93	3.93	105	105	70.0-130			0.000	25
Chloroform	3.75	4.00	4.01	107	107	70.0-130			0.250	25
Chloromethane	3.75	3.99	4.00	106	107	70.0-130			0.250	25
2-Chlorotoluene	3.75	4.10	4.04	109	108	70.0-130			1.47	25
Cyclohexane	3.75	4.00	3.94	107	105	70.0-130			1.51	25
n-Decane	3.75	4.38	4.31	117	115	70.0-130			1.61	25
Dibromochloromethane	3.75	4.04	4.09	108	109	70.0-130			1.23	25
1,2-Dibromoethane	3.75	3.99	4.03	106	107	70.0-130			0.998	25
1,2-Dichlorobenzene	3.75	4.02	4.09	107	109	70.0-130			1.73	25
1,3-Dichlorobenzene	3.75	4.14	4.09	110	109	70.0-130			1.22	25
1,4-Dichlorobenzene	3.75	4.07	4.11	109	110	70.0-130			0.978	25
1,2-Dichloroethane	3.75	4.05	4.05	108	108	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.99	4.01	106	107	70.0-130			0.500	25
1,1-Dichloroethene	3.75	4.03	3.99	107	106	70.0-130			0.998	25
cis-1,2-Dichloroethene	3.75	3.99	3.98	106	106	70.0-130			0.251	25
trans-1,2-Dichloroethene	3.75	4.06	3.94	108	105	70.0-130			3.00	25
1,2-Dichloropropane	3.75	4.01	4.03	107	107	70.0-130			0.498	25
cis-1,3-Dichloropropene	3.75	4.26	4.34	114	116	70.0-130			1.86	25
trans-1,3-Dichloropropene	3.75	3.87	3.94	103	105	70.0-130			1.79	25
1,4-Dioxane	3.75	3.84	3.99	102	106	70.0-140			3.83	25
Ethanol	3.75	3.58	3.70	95.5	98.7	55.0-148			3.30	25
Ethylbenzene	3.75	4.08	4.10	109	109	70.0-130			0.489	25
4-Ethyltoluene	3.75	4.17	4.19	111	112	70.0-130			0.478	25
Trichlorofluoromethane	3.75	3.95	3.95	105	105	70.0-130			0.000	25
Dichlorodifluoromethane	3.75	4.28	1.99	114	53.1	64.0-139		J3 J4	73.0	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030965-1 02/07/24 08:48 • (LCSD) R4030965-3 02/07/24 11:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.90	3.93	104	105	70.0-130			0.766	25
1,2-Dichlorotetrafluoroethane	3.75	4.16	3.39	111	90.4	70.0-130			20.4	25
Heptane	3.75	4.08	4.06	109	108	70.0-130			0.491	25
Hexachloro-1,3-butadiene	3.75	3.90	3.97	104	106	70.0-151			1.78	25
n-Hexane	3.75	4.03	3.94	107	105	70.0-130			2.26	25
Isopropylbenzene	3.75	4.16	4.16	111	111	70.0-130			0.000	25
Methylene Chloride	3.75	3.99	3.98	106	106	70.0-130			0.251	25
Methyl Butyl Ketone	3.75	4.59	4.77	122	127	70.0-149			3.85	25
2-Butanone (MEK)	3.75	4.01	3.97	107	106	70.0-130			1.00	25
4-Methyl-2-pentanone (MIBK)	3.75	4.22	4.08	113	109	70.0-139			3.37	25
Methyl methacrylate	3.75	3.99	3.92	106	105	70.0-130			1.77	25
MTBE	3.75	4.02	3.95	107	105	70.0-130			1.76	25
Naphthalene	3.75	4.03	4.26	107	114	70.0-159			5.55	25
Nonane	3.75	4.16	4.10	111	109	70.0-130			1.45	25
Pentane	3.75	4.00	4.00	107	107	70.0-130			0.000	25
2-Propanol	3.75	4.01	4.34	107	116	70.0-139			7.90	25
Propene	3.75	4.23	3.89	113	104	64.0-144			8.37	25
Styrene	3.75	4.16	4.07	111	109	70.0-130			2.19	25
1,1,2,2-Tetrachloroethane	3.75	4.10	4.10	109	109	70.0-130			0.000	25
Tetrachloroethylene	3.75	3.97	3.99	106	106	70.0-130			0.503	25
Tetrahydrofuran	3.75	4.14	4.06	110	108	70.0-137			1.95	25
Toluene	3.75	4.02	3.97	107	106	70.0-130			1.25	25
1,2,4-Trichlorobenzene	3.75	3.90	4.05	104	108	70.0-160			3.77	25
1,1,1-Trichloroethane	3.75	3.90	3.91	104	104	70.0-130			0.256	25
1,1,2-Trichloroethane	3.75	3.93	3.99	105	106	70.0-130			1.52	25
Trichloroethylene	3.75	3.98	3.96	106	106	70.0-130			0.504	25
1,2,4-Trimethylbenzene	3.75	4.20	4.17	112	111	70.0-130			0.717	25
1,3,5-Trimethylbenzene	3.75	4.17	4.20	111	112	70.0-130			0.717	25
2,2,4-Trimethylpentane	3.75	4.04	3.98	108	106	70.0-130			1.50	25
Vinyl chloride	3.75	3.96	3.88	106	103	70.0-130			2.04	25
Vinyl Bromide	3.75	3.96	3.89	106	104	70.0-130			1.78	25
Vinyl acetate	3.75	3.84	3.80	102	101	70.0-130			1.05	25
m&p-Xylene	7.50	8.24	8.30	110	111	70.0-130			0.726	25
o-Xylene	3.75	4.17	4.14	111	110	70.0-130			0.722	25
(S) 1,4-Bromofluorobenzene				*101*	*101*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CTEH
THE SCIENCE OF READY®

CHAIN OF CUSTODY AND ANALYSIS

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 8 Airs 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
2706 7709 7219
T/B#: AMB

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day ☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other L170 2762

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐

J161

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15					Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0204MC001	010925	011616	02/04/24	0509	02/04/24	2300	-29	-9	DA	✓					A 01
MTWA0204MC002	012699	029312	02/04/24	0540	02/04/24	2327	-28	-9	DA	✓					A 02
MTWA0204MC003	029209	011658	02/04/24	0607	02/04/24	2347	-29	-8	DA	✓					A 03
MTWA0204MC004	013311	011635	02/04/24	0626	02/04/24	2356	-29	-11	DA	✓					A 04
MTWA0204MC001B	012748	029626	O2/04/24	2313	02/05/24	1701	-28	-8	DA	✓					A 05
MTWA0204MC002B	013074	024490	02/04/24	2332	02/05/24	1710	-28	-8	DA	✓					A 06
MTWA0204MC003B	010969	028745	02/04/24	2352	02/05/24	1726	-29	-9	DA	✓					A 07
MTWA0204MC004B	013057	028236	02/04/24	2358	02/05/24	1736	-29	-8	DA	✓					A 08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	2/6/24 1030	Haywell Hutchins	2/6/24 1030	Jameam 2-7-24 0900
Haywell Hutchins	2/6/24 1130	FEDEX	2/6/24 1130	COAL

SDG # MTWA0204MC

ANALYTICAL REPORT

February 12, 2024

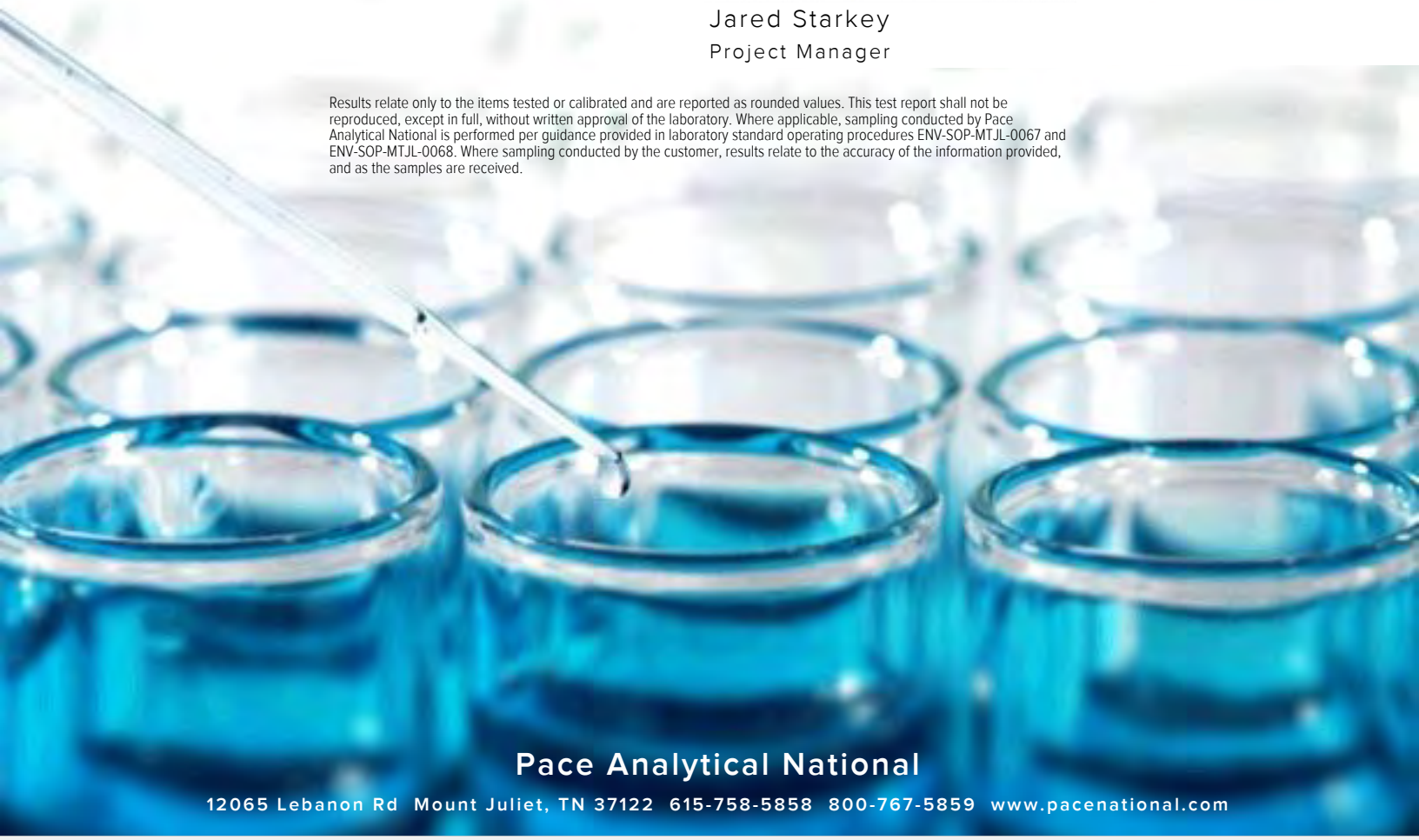
CTEH - ER

Sample Delivery Group:	L1703315
Samples Received:	02/08/2024
Project Number:	032692
Description:	
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MTWA0206MC001 L1703315-01 Air

Collected by: DA | Collected date/time: 02/07/24 04:30 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/08/24 21:41	02/08/24 21:41	MNP	Mt. Juliet, TN

MTWA0206MC001CL L1703315-02 Air

Collected by: DA | Collected date/time: 02/07/24 04:30 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/08/24 22:21	02/08/24 22:21	MNP	Mt. Juliet, TN

MTWA0206MC002 L1703315-03 Air

Collected by: DA | Collected date/time: 02/07/24 04:54 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/08/24 23:01	02/08/24 23:01	MNP	Mt. Juliet, TN

MTWA0206MC003 L1703315-04 Air

Collected by: DA | Collected date/time: 02/07/24 05:15 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/08/24 23:41	02/08/24 23:41	MNP	Mt. Juliet, TN

MTWA0206MC004 L1703315-05 Air

Collected by: DA | Collected date/time: 02/07/24 05:34 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/09/24 00:20	02/09/24 00:20	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0206MC001	L1703315-01	Acetone	67-64-1	58.10	1.25	2.97	5.95	14.1		1	WG2222531
MTWA0206MC001	L1703315-01	Benzene	71-43-2	78.10	0.200	0.639	0.371	1.19		1	WG2222531
MTWA0206MC001	L1703315-01	Butane	106-97-8	58	0.200	0.474	0.812	1.93		1	WG2222531
MTWA0206MC001	L1703315-01	Chloroethane	75-00-3	64.50	0.200	0.528	0.229	0.604		1	WG2222531
MTWA0206MC001	L1703315-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.634	1.31		1	WG2222531
MTWA0206MC001	L1703315-01	Ethanol	64-17-5	46.10	2.50	4.71	21.5	40.5		1	WG2222531
MTWA0206MC001	L1703315-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.235	1.32		1	WG2222531
MTWA0206MC001	L1703315-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.462	2.28		1	WG2222531
MTWA0206MC001	L1703315-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.238	0.826		1	WG2222531
MTWA0206MC001	L1703315-01	Pentane	109-66-0	72.15	0.200	0.590	0.320	0.944		1	WG2222531
MTWA0206MC001	L1703315-01	Toluene	108-88-3	92.10	0.500	1.88	0.951	3.58		1	WG2222531
MTWA0206MC001CL	L1703315-02	Acetone	67-64-1	58.10	1.25	2.97	7.72	18.3		1	WG2222531
MTWA0206MC001CL	L1703315-02	Benzene	71-43-2	78.10	0.200	0.639	0.487	1.56		1	WG2222531
MTWA0206MC001CL	L1703315-02	Butane	106-97-8	58	0.200	0.474	0.908	2.15		1	WG2222531
MTWA0206MC001CL	L1703315-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.616	1.27		1	WG2222531
MTWA0206MC001CL	L1703315-02	Ethanol	64-17-5	46.10	2.50	4.71	16.2	30.5		1	WG2222531
MTWA0206MC001CL	L1703315-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG2222531
MTWA0206MC001CL	L1703315-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.500	2.47		1	WG2222531
MTWA0206MC001CL	L1703315-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.248	0.861		1	WG2222531
MTWA0206MC001CL	L1703315-02	Pentane	109-66-0	72.15	0.200	0.590	0.386	1.14		1	WG2222531
MTWA0206MC001CL	L1703315-02	Toluene	108-88-3	92.10	0.500	1.88	1.21	4.56		1	WG2222531
MTWA0206MC002	L1703315-03	Acetone	67-64-1	58.10	1.25	2.97	6.59	15.7		1	WG2222531
MTWA0206MC002	L1703315-03	Benzene	71-43-2	78.10	0.200	0.639	0.384	1.23		1	WG2222531
MTWA0206MC002	L1703315-03	Butane	106-97-8	58	0.200	0.474	0.797	1.89		1	WG2222531
MTWA0206MC002	L1703315-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG2222531
MTWA0206MC002	L1703315-03	Ethanol	64-17-5	46.10	2.50	4.71	13.7	25.8		1	WG2222531
MTWA0206MC002	L1703315-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2222531
MTWA0206MC002	L1703315-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.485	2.40		1	WG2222531
MTWA0206MC002	L1703315-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.278	0.965		1	WG2222531
MTWA0206MC002	L1703315-03	Pentane	109-66-0	72.15	0.200	0.590	0.284	0.838		1	WG2222531
MTWA0206MC002	L1703315-03	Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2222531
MTWA0206MC003	L1703315-04	Acetone	67-64-1	58.10	1.25	2.97	5.55	13.2		1	WG2222531
MTWA0206MC003	L1703315-04	Benzene	71-43-2	78.10	0.200	0.639	0.306	0.977		1	WG2222531
MTWA0206MC003	L1703315-04	Butane	106-97-8	58	0.200	0.474	0.828	1.96		1	WG2222531
MTWA0206MC003	L1703315-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.654	1.35		1	WG2222531
MTWA0206MC003	L1703315-04	Ethanol	64-17-5	46.10	2.50	4.71	11.5	21.7		1	WG2222531
MTWA0206MC003	L1703315-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.257	1.44		1	WG2222531
MTWA0206MC003	L1703315-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG2222531
MTWA0206MC003	L1703315-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.223	0.774		1	WG2222531
MTWA0206MC003	L1703315-04	Pentane	109-66-0	72.15	0.200	0.590	0.294	0.868		1	WG2222531
MTWA0206MC003	L1703315-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.56	3.83		1	WG2222531
MTWA0206MC003	L1703315-04	Toluene	108-88-3	92.10	0.500	1.88	1.37	5.16		1	WG2222531
MTWA0206MC004	L1703315-05	Acetone	67-64-1	58.10	1.25	2.97	4.81	11.4		1	WG2222531
MTWA0206MC004	L1703315-05	Acetonitrile	75-05-8	41.05	5.00	8.39	19.5	32.7		1	WG2222531
MTWA0206MC004	L1703315-05	Benzene	71-43-2	78.10	0.200	0.639	0.232	0.741		1	WG2222531
MTWA0206MC004	L1703315-05	Butane	106-97-8	58	0.200	0.474	1.23	2.92		1	WG2222531
MTWA0206MC004	L1703315-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.594	1.23		1	WG2222531
MTWA0206MC004	L1703315-05	Ethanol	64-17-5	46.10	2.50	4.71	84.5	159		1	WG2222531
MTWA0206MC004	L1703315-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG2222531
MTWA0206MC004	L1703315-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.549	2.72		1	WG2222531
MTWA0206MC004	L1703315-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.462	1.60		1	WG2222531
MTWA0206MC004	L1703315-05	Pentane	109-66-0	72.15	0.200	0.590	1.28	3.78		1	WG2222531
MTWA0206MC004	L1703315-05	2-Propanol	67-63-0	60.10	1.25	3.07	5.55	13.6		1	WG2222531
MTWA0206MC004	L1703315-05	Toluene	108-88-3	92.10	0.500	1.88	0.715	2.69		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.95	14.1		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.371	1.19		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	0.812	1.93		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	0.229	0.604		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.634	1.31		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	21.5	40.5		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.235	1.32		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.462	2.28		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.238	0.826		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.320	0.944		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	0.951	3.58		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.5*				WG2222531

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.72	18.3		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.487	1.56		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	0.908	2.15		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.616	1.27		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	16.2	30.5		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.500	2.47		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.248	0.861		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.386	1.14		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	1.21	4.56		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.8*				WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.59	15.7		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.384	1.23		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	0.797	1.89		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	13.7	25.8		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.485	2.40		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.278	0.965		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.284	0.838		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	1.89	7.12		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.9*				WG2222531

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.55	13.2		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.306	0.977		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	0.828	1.96		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.654	1.35		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	11.5	21.7		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.257	1.44		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.223	0.774		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.294	0.868		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	1.56	3.83		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	1.37	5.16		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.3*				WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.81	11.4		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	19.5	32.7		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.232	0.741		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	1.23	2.92		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.594	1.23		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	84.5	159		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.549	2.72		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.462	1.60		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	1.28	3.78		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	5.55	13.6		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	0.715	2.69		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.6*				WG2222531

Method Blank (MB)

(MB) R4031795-3 02/08/24 10:19

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.499	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4031795-3 02/08/24 10:19

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*91.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031795-1 02/08/24 09:01 • (LCSD) R4031795-2 02/08/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.98	3.89	106	104	70.0-130			2.29	25
Acetonitrile	18.8	21.4	21.1	114	112	70.0-130			1.41	25
Acrylonitrile	3.75	3.87	3.71	103	98.9	70.0-130			4.22	25
Allyl chloride	3.75	3.64	3.52	97.1	93.9	70.0-130			3.35	25
Benzene	3.75	4.33	4.33	115	115	70.0-130			0.000	25
Benzyl Chloride	3.75	3.92	3.88	105	103	70.0-152			1.03	25
Bromodichloromethane	3.75	4.24	4.16	113	111	70.0-130			1.90	25
Bromoform	3.75	3.75	3.73	100	99.5	70.0-130			0.535	25
Bromomethane	3.75	4.15	4.06	111	108	70.0-130			2.19	25
Bromoethane	3.75	4.31	4.10	115	109	70.0-130			4.99	25
1,3-Butadiene	3.75	4.04	3.96	108	106	70.0-130			2.00	25
Butane	3.75	4.09	4.02	109	107	70.0-130			1.73	25
Carbon disulfide	3.75	4.05	3.97	108	106	70.0-130			2.00	25
Carbon tetrachloride	3.75	4.28	4.21	114	112	70.0-130			1.65	25
Chlorobenzene	3.75	4.33	4.29	115	114	70.0-130			0.928	25
Chloroethane	3.75	4.35	4.07	116	109	70.0-130			6.65	25
Chloroform	3.75	4.29	4.24	114	113	70.0-130			1.17	25
Chloromethane	3.75	4.08	4.00	109	107	70.0-130			1.98	25
2-Chlorotoluene	3.75	4.22	4.17	113	111	70.0-130			1.19	25
Cyclohexane	3.75	4.27	4.18	114	111	70.0-130			2.13	25
n-Decane	3.75	4.10	4.11	109	110	70.0-130			0.244	25
Dibromochloromethane	3.75	4.24	4.18	113	111	70.0-130			1.43	25
1,2-Dibromoethane	3.75	4.31	4.16	115	111	70.0-130			3.54	25
1,2-Dichlorobenzene	3.75	3.97	3.93	106	105	70.0-130			1.01	25
1,3-Dichlorobenzene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
1,4-Dichlorobenzene	3.75	4.07	4.04	109	108	70.0-130			0.740	25
1,2-Dichloroethane	3.75	4.36	4.33	116	115	70.0-130			0.690	25
1,1-Dichloroethane	3.75	4.33	4.32	115	115	70.0-130			0.231	25
1,1-Dichloroethene	3.75	4.24	4.17	113	111	70.0-130			1.66	25
cis-1,2-Dichloroethene	3.75	4.22	4.13	113	110	70.0-130			2.16	25
trans-1,2-Dichloroethene	3.75	4.20	4.14	112	110	70.0-130			1.44	25
1,2-Dichloropropane	3.75	4.42	4.33	118	115	70.0-130			2.06	25
cis-1,3-Dichloropropene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
trans-1,3-Dichloropropene	3.75	4.08	4.01	109	107	70.0-130			1.73	25
1,4-Dioxane	3.75	4.01	4.12	107	110	70.0-140			2.71	25
Ethanol	3.75	3.74	3.65	99.7	97.3	55.0-148			2.44	25
Ethylbenzene	3.75	4.16	4.11	111	110	70.0-130			1.21	25
4-Ethyltoluene	3.75	4.05	4.03	108	107	70.0-130			0.495	25
Trichlorofluoromethane	3.75	4.25	4.28	113	114	70.0-130			0.703	25
Dichlorodifluoromethane	3.75	4.42	4.28	118	114	64.0-139			3.22	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031795-1 02/08/24 09:01 • (LCSD) R4031795-2 02/08/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.27	4.22	114	113	70.0-130			1.18	25
1,2-Dichlorotetrafluoroethane	3.75	4.34	4.25	116	113	70.0-130			2.10	25
Heptane	3.75	4.78	4.63	127	123	70.0-130			3.19	25
Hexachloro-1,3-butadiene	3.75	3.49	3.43	93.1	91.5	70.0-151			1.73	25
n-Hexane	3.75	4.23	4.13	113	110	70.0-130			2.39	25
Isopropylbenzene	3.75	4.10	4.07	109	109	70.0-130			0.734	25
Methylene Chloride	3.75	4.31	4.29	115	114	70.0-130			0.465	25
Methyl Butyl Ketone	3.75	4.46	4.42	119	118	70.0-149			0.901	25
2-Butanone (MEK)	3.75	4.18	4.09	111	109	70.0-130			2.18	25
4-Methyl-2-pentanone (MIBK)	3.75	4.09	4.03	109	107	70.0-139			1.48	25
Methyl methacrylate	3.75	3.87	3.83	103	102	70.0-130			1.04	25
MTBE	3.75	4.18	4.12	111	110	70.0-130			1.45	25
Naphthalene	3.75	3.77	3.61	101	96.3	70.0-159			4.34	25
Nonane	3.75	4.58	4.54	122	121	70.0-130			0.877	25
Pentane	3.75	4.22	4.13	113	110	70.0-130			2.16	25
2-Propanol	3.75	3.94	3.93	105	105	70.0-139			0.254	25
Propene	3.75	4.03	3.88	107	103	64.0-144			3.79	25
Styrene	3.75	3.93	3.84	105	102	70.0-130			2.32	25
1,1,2,2-Tetrachloroethane	3.75	4.06	3.87	108	103	70.0-130			4.79	25
Tetrachloroethylene	3.75	4.19	4.22	112	113	70.0-130			0.713	25
Tetrahydrofuran	3.75	4.07	4.01	109	107	70.0-137			1.49	25
Toluene	3.75	4.16	4.07	111	109	70.0-130			2.19	25
1,2,4-Trichlorobenzene	3.75	3.71	3.63	98.9	96.8	70.0-160			2.18	25
1,1,1-Trichloroethane	3.75	4.30	4.25	115	113	70.0-130			1.17	25
1,1,2-Trichloroethane	3.75	4.16	4.23	111	113	70.0-130			1.67	25
Trichloroethylene	3.75	4.27	4.25	114	113	70.0-130			0.469	25
1,2,4-Trimethylbenzene	3.75	3.95	4.01	105	107	70.0-130			1.51	25
1,3,5-Trimethylbenzene	3.75	4.07	4.05	109	108	70.0-130			0.493	25
2,2,4-Trimethylpentane	3.75	4.28	4.20	114	112	70.0-130			1.89	25
Vinyl chloride	3.75	4.36	4.25	116	113	70.0-130			2.56	25
Vinyl Bromide	3.75	4.26	4.20	114	112	70.0-130			1.42	25
Vinyl acetate	3.75	3.70	3.64	98.7	97.1	70.0-130			1.63	25
m&p-Xylene	7.50	8.22	8.19	110	109	70.0-130			0.366	25
o-Xylene	3.75	4.08	4.05	109	108	70.0-130			0.738	25
(S) 1,4-Bromofluorobenzene				*95.3*	*94.6*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J240

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day ☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

L1703315

Lab Contact Information Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0206MC001	014555	015691	02/06/24	1057	02/07/24	0430	-29	-10	DA	✓					A -01
MTWA0206MC001CL	012640	028641	02/06/24	1057	02/07/24	0435	-29	-9	DA	✓					A -02
MTWA0206MC002	008247	028463	02/06/24	1114	02/07/24	0454	-29	-6	DA	✓					A -03
MTWA0206MC003	009795	028466	02/06/24	1126	02/07/24	0515	-29	-8	DA	✓					A -04
MTWA0206MC004	028062	023422	02/06/24	1137	02/07/24	0534	-29	-9	DA	✓					A -05

Sample Receipt Checklist

		If Applicable	
COC Seal Present/Intact:	Y N	VOA Zero Headspace:	Y N
COC Signed/Accurate:	Y N	Pres. Correct/Check:	Y N
Bottles arrive intact:	Y N		
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

AMB
2707 2816 3836

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	2/2/24 1000	Gaynell Mathis	02/07/24 1100	
Gaynell Mathis	2/7/24 1200		02/08/24 1200	Jamcem 2-8-24 0900

SDG # MTWA0206MC

ANALYTICAL REPORT

February 09, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

CTEH - ER

Sample Delivery Group:	L1703316
Samples Received:	02/08/2024
Project Number:	032692
Description:	

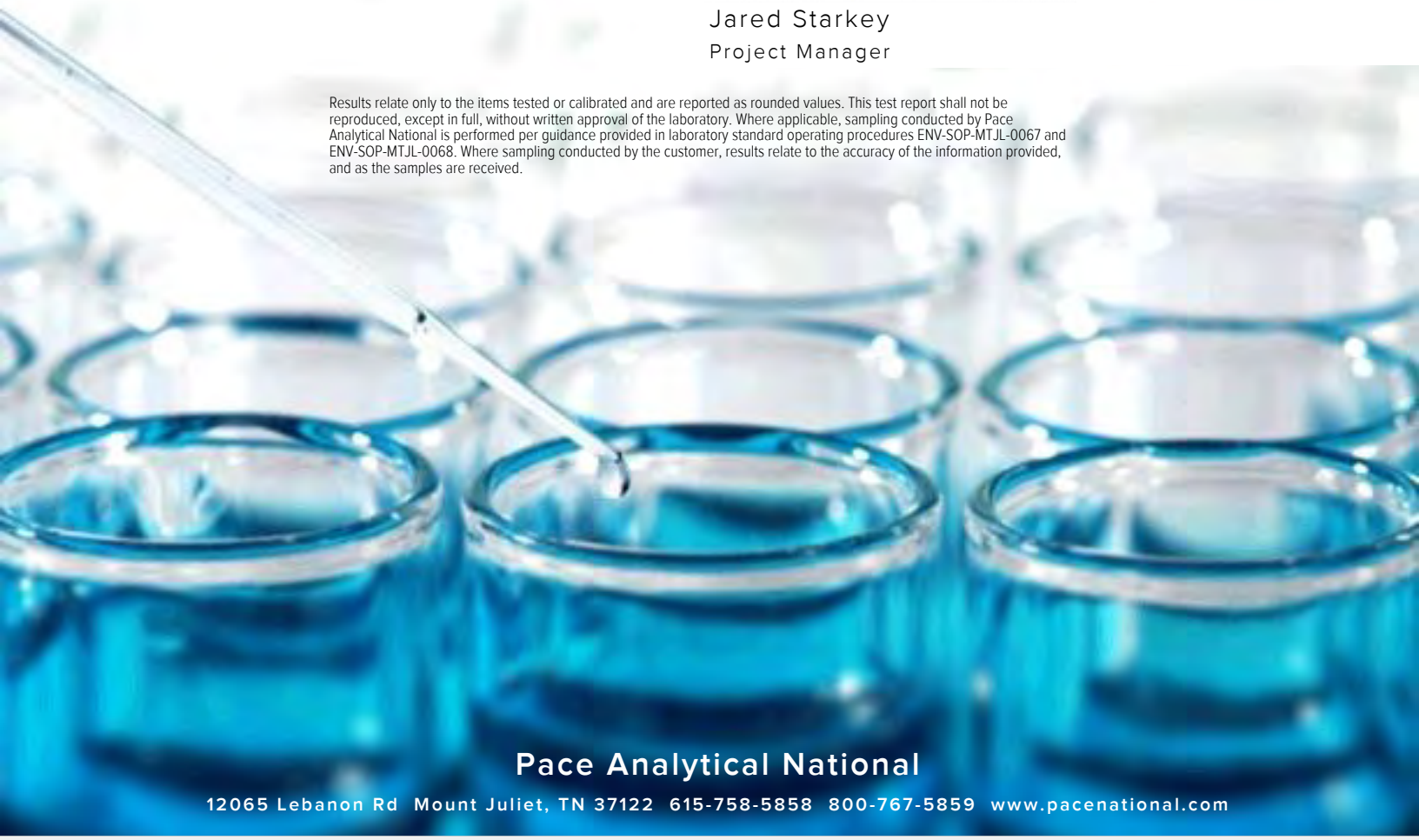
Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0205MC001 L1703316-01 Air

Collected by: DA | Collected date/time: 02/06/24 10:54 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/09/24 01:00	02/09/24 01:00	MNP	Mt. Juliet, TN

MTWA0205MC002 L1703316-02 Air

Collected by: DA | Collected date/time: 02/06/24 11:09 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/09/24 01:40	02/09/24 01:40	MNP	Mt. Juliet, TN

MTWA0205MC003 L1703316-03 Air

Collected by: DA | Collected date/time: 02/06/24 11:22 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/09/24 02:20	02/09/24 02:20	MNP	Mt. Juliet, TN

MTWA0205MC004 L1703316-04 Air

Collected by: DA | Collected date/time: 02/06/24 11:53 | Received date/time: 02/08/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2222531	1	02/09/24 03:01	02/09/24 03:01	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
					ppbv	ug/m3	ppbv	ug/m3			
MTWA0205MC001	L1703316-01	Acetone	67-64-1	58.10	1.25	2.97	7.09	16.8		1	WG2222531
MTWA0205MC001	L1703316-01	Benzene	71-43-2	78.10	0.200	0.639	0.809	2.58		1	WG2222531
MTWA0205MC001	L1703316-01	Butane	106-97-8	58	0.200	0.474	1.08	2.56		1	WG2222531
MTWA0205MC001	L1703316-01	Chloroethane	75-00-3	64.50	0.200	0.528	0.495	1.31		1	WG2222531
MTWA0205MC001	L1703316-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.968	2.00		1	WG2222531
MTWA0205MC001	L1703316-01	Ethanol	64-17-5	46.10	2.50	4.71	29.7	56.0		1	WG2222531
MTWA0205MC001	L1703316-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2222531
MTWA0205MC001	L1703316-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.509	2.52		1	WG2222531
MTWA0205MC001	L1703316-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.273	0.948		1	WG2222531
MTWA0205MC001	L1703316-01	Pentane	109-66-0	72.15	0.200	0.590	0.387	1.14		1	WG2222531
MTWA0205MC001	L1703316-01	Toluene	108-88-3	92.10	0.500	1.88	1.53	5.76		1	WG2222531
MTWA0205MC002	L1703316-02	Acetone	67-64-1	58.10	1.25	2.97	17.9	42.5		1	WG2222531
MTWA0205MC002	L1703316-02	Benzene	71-43-2	78.10	0.200	0.639	0.421	1.34		1	WG2222531
MTWA0205MC002	L1703316-02	Butane	106-97-8	58	0.200	0.474	1.24	2.94		1	WG2222531
MTWA0205MC002	L1703316-02	Chloroethane	75-00-3	64.50	0.200	0.528	0.746	1.97		1	WG2222531
MTWA0205MC002	L1703316-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.729	1.51		1	WG2222531
MTWA0205MC002	L1703316-02	trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	1.89	7.49		1	WG2222531
MTWA0205MC002	L1703316-02	Ethanol	64-17-5	46.10	2.50	4.71	24.4	46.0		1	WG2222531
MTWA0205MC002	L1703316-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.264	1.48		1	WG2222531
MTWA0205MC002	L1703316-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.489	2.42		1	WG2222531
MTWA0205MC002	L1703316-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.228	0.792		1	WG2222531
MTWA0205MC002	L1703316-02	Pentane	109-66-0	72.15	0.200	0.590	0.373	1.10		1	WG2222531
MTWA0205MC002	L1703316-02	Toluene	108-88-3	92.10	0.500	1.88	1.57	5.91		1	WG2222531
MTWA0205MC003	L1703316-03	Acetone	67-64-1	58.10	1.25	2.97	10.2	24.2		1	WG2222531
MTWA0205MC003	L1703316-03	Butane	106-97-8	58	0.200	0.474	1.14	2.70		1	WG2222531
MTWA0205MC003	L1703316-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.550	1.14		1	WG2222531
MTWA0205MC003	L1703316-03	Ethanol	64-17-5	46.10	2.50	4.71	8.67	16.3		1	WG2222531
MTWA0205MC003	L1703316-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.251	1.41		1	WG2222531
MTWA0205MC003	L1703316-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.474	2.34		1	WG2222531
MTWA0205MC003	L1703316-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.222	0.771		1	WG2222531
MTWA0205MC003	L1703316-03	Pentane	109-66-0	72.15	0.200	0.590	0.409	1.21		1	WG2222531
MTWA0205MC004	L1703316-04	Acetone	67-64-1	58.10	1.25	2.97	6.39	15.2		1	WG2222531
MTWA0205MC004	L1703316-04	Butane	106-97-8	58	0.200	0.474	1.32	3.13		1	WG2222531
MTWA0205MC004	L1703316-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.547	1.13		1	WG2222531
MTWA0205MC004	L1703316-04	Ethanol	64-17-5	46.10	2.50	4.71	13.0	24.5		1	WG2222531
MTWA0205MC004	L1703316-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG2222531
MTWA0205MC004	L1703316-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG2222531
MTWA0205MC004	L1703316-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.275	0.955		1	WG2222531
MTWA0205MC004	L1703316-04	Pentane	109-66-0	72.15	0.200	0.590	0.687	2.03		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.09	16.8		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.809	2.58		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	1.08	2.56		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	0.495	1.31		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.968	2.00		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	29.7	56.0		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.509	2.52		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.273	0.948		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.387	1.14		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	1.53	5.76		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.9*				WG2222531

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	17.9	42.5		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	0.421	1.34		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	1.24	2.94		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	0.746	1.97		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.729	1.51		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	1.89	7.49		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	24.4	46.0		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.264	1.48		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.489	2.42		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.228	0.792		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.373	1.10		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	1.57	5.91		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.5*				WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	10.2	24.2		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	1.14	2.70		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.550	1.14		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	8.67	16.3		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.251	1.41		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.474	2.34		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.222	0.771		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.409	1.21		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.1*				WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.39	15.2		1	WG2222531
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2222531
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2222531
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2222531
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2222531
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2222531
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2222531
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2222531
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2222531
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2222531
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2222531
Butane	106-97-8	58	0.200	0.474	1.32	3.13		1	WG2222531
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2222531
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2222531
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2222531
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2222531
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2222531
Chloromethane	74-87-3	50.50	0.200	0.413	0.547	1.13		1	WG2222531
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2222531
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2222531
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2222531
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2222531
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2222531
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2222531
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2222531
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2222531
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2222531
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2222531
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2222531
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2222531
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2222531
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2222531
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2222531
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2222531
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2222531
Ethanol	64-17-5	46.10	2.50	4.71	13.0	24.5		1	WG2222531
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2222531
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2222531
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG2222531
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG2222531
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2222531
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2222531
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2222531
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2222531
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2222531
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2222531
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.275	0.955		1	WG2222531
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2222531
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2222531
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2222531
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2222531
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2222531
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2222531
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2222531
Pentane	109-66-0	72.15	0.200	0.590	0.687	2.03		1	WG2222531
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2222531

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2222531
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2222531
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2222531
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2222531
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2222531
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2222531
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2222531
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2222531
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2222531
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2222531
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2222531
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2222531
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2222531
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2222531
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2222531
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2222531
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2222531
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2222531
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.2*				WG2222531

Method Blank (MB)

(MB) R4031795-3 02/08/24 10:19

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.499	J	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

Method Blank (MB)

(MB) R4031795-3 02/08/24 10:19

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	*91.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031795-1 02/08/24 09:01 • (LCSD) R4031795-2 02/08/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.98	3.89	106	104	70.0-130			2.29	25
Acetonitrile	18.8	21.4	21.1	114	112	70.0-130			1.41	25
Acrylonitrile	3.75	3.87	3.71	103	98.9	70.0-130			4.22	25
Allyl chloride	3.75	3.64	3.52	97.1	93.9	70.0-130			3.35	25
Benzene	3.75	4.33	4.33	115	115	70.0-130			0.000	25
Benzyl Chloride	3.75	3.92	3.88	105	103	70.0-152			1.03	25
Bromodichloromethane	3.75	4.24	4.16	113	111	70.0-130			1.90	25
Bromoform	3.75	3.75	3.73	100	99.5	70.0-130			0.535	25
Bromomethane	3.75	4.15	4.06	111	108	70.0-130			2.19	25
Bromoethane	3.75	4.31	4.10	115	109	70.0-130			4.99	25
1,3-Butadiene	3.75	4.04	3.96	108	106	70.0-130			2.00	25
Butane	3.75	4.09	4.02	109	107	70.0-130			1.73	25
Carbon disulfide	3.75	4.05	3.97	108	106	70.0-130			2.00	25
Carbon tetrachloride	3.75	4.28	4.21	114	112	70.0-130			1.65	25
Chlorobenzene	3.75	4.33	4.29	115	114	70.0-130			0.928	25
Chloroethane	3.75	4.35	4.07	116	109	70.0-130			6.65	25
Chloroform	3.75	4.29	4.24	114	113	70.0-130			1.17	25
Chloromethane	3.75	4.08	4.00	109	107	70.0-130			1.98	25
2-Chlorotoluene	3.75	4.22	4.17	113	111	70.0-130			1.19	25
Cyclohexane	3.75	4.27	4.18	114	111	70.0-130			2.13	25
n-Decane	3.75	4.10	4.11	109	110	70.0-130			0.244	25
Dibromochloromethane	3.75	4.24	4.18	113	111	70.0-130			1.43	25
1,2-Dibromoethane	3.75	4.31	4.16	115	111	70.0-130			3.54	25
1,2-Dichlorobenzene	3.75	3.97	3.93	106	105	70.0-130			1.01	25
1,3-Dichlorobenzene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
1,4-Dichlorobenzene	3.75	4.07	4.04	109	108	70.0-130			0.740	25
1,2-Dichloroethane	3.75	4.36	4.33	116	115	70.0-130			0.690	25
1,1-Dichloroethane	3.75	4.33	4.32	115	115	70.0-130			0.231	25
1,1-Dichloroethene	3.75	4.24	4.17	113	111	70.0-130			1.66	25
cis-1,2-Dichloroethene	3.75	4.22	4.13	113	110	70.0-130			2.16	25
trans-1,2-Dichloroethene	3.75	4.20	4.14	112	110	70.0-130			1.44	25
1,2-Dichloropropane	3.75	4.42	4.33	118	115	70.0-130			2.06	25
cis-1,3-Dichloropropene	3.75	3.95	3.93	105	105	70.0-130			0.508	25
trans-1,3-Dichloropropene	3.75	4.08	4.01	109	107	70.0-130			1.73	25
1,4-Dioxane	3.75	4.01	4.12	107	110	70.0-140			2.71	25
Ethanol	3.75	3.74	3.65	99.7	97.3	55.0-148			2.44	25
Ethylbenzene	3.75	4.16	4.11	111	110	70.0-130			1.21	25
4-Ethyltoluene	3.75	4.05	4.03	108	107	70.0-130			0.495	25
Trichlorofluoromethane	3.75	4.25	4.28	113	114	70.0-130			0.703	25
Dichlorodifluoromethane	3.75	4.42	4.28	118	114	64.0-139			3.22	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031795-1 02/08/24 09:01 • (LCSD) R4031795-2 02/08/24 09:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.27	4.22	114	113	70.0-130			1.18	25
1,2-Dichlorotetrafluoroethane	3.75	4.34	4.25	116	113	70.0-130			2.10	25
Heptane	3.75	4.78	4.63	127	123	70.0-130			3.19	25
Hexachloro-1,3-butadiene	3.75	3.49	3.43	93.1	91.5	70.0-151			1.73	25
n-Hexane	3.75	4.23	4.13	113	110	70.0-130			2.39	25
Isopropylbenzene	3.75	4.10	4.07	109	109	70.0-130			0.734	25
Methylene Chloride	3.75	4.31	4.29	115	114	70.0-130			0.465	25
Methyl Butyl Ketone	3.75	4.46	4.42	119	118	70.0-149			0.901	25
2-Butanone (MEK)	3.75	4.18	4.09	111	109	70.0-130			2.18	25
4-Methyl-2-pentanone (MIBK)	3.75	4.09	4.03	109	107	70.0-139			1.48	25
Methyl methacrylate	3.75	3.87	3.83	103	102	70.0-130			1.04	25
MTBE	3.75	4.18	4.12	111	110	70.0-130			1.45	25
Naphthalene	3.75	3.77	3.61	101	96.3	70.0-159			4.34	25
Nonane	3.75	4.58	4.54	122	121	70.0-130			0.877	25
Pentane	3.75	4.22	4.13	113	110	70.0-130			2.16	25
2-Propanol	3.75	3.94	3.93	105	105	70.0-139			0.254	25
Propene	3.75	4.03	3.88	107	103	64.0-144			3.79	25
Styrene	3.75	3.93	3.84	105	102	70.0-130			2.32	25
1,1,2,2-Tetrachloroethane	3.75	4.06	3.87	108	103	70.0-130			4.79	25
Tetrachloroethylene	3.75	4.19	4.22	112	113	70.0-130			0.713	25
Tetrahydrofuran	3.75	4.07	4.01	109	107	70.0-137			1.49	25
Toluene	3.75	4.16	4.07	111	109	70.0-130			2.19	25
1,2,4-Trichlorobenzene	3.75	3.71	3.63	98.9	96.8	70.0-160			2.18	25
1,1,1-Trichloroethane	3.75	4.30	4.25	115	113	70.0-130			1.17	25
1,1,2-Trichloroethane	3.75	4.16	4.23	111	113	70.0-130			1.67	25
Trichloroethylene	3.75	4.27	4.25	114	113	70.0-130			0.469	25
1,2,4-Trimethylbenzene	3.75	3.95	4.01	105	107	70.0-130			1.51	25
1,3,5-Trimethylbenzene	3.75	4.07	4.05	109	108	70.0-130			0.493	25
2,2,4-Trimethylpentane	3.75	4.28	4.20	114	112	70.0-130			1.89	25
Vinyl chloride	3.75	4.36	4.25	116	113	70.0-130			2.56	25
Vinyl Bromide	3.75	4.26	4.20	114	112	70.0-130			1.42	25
Vinyl acetate	3.75	3.70	3.64	98.7	97.1	70.0-130			1.63	25
m&p-Xylene	7.50	8.22	8.19	110	109	70.0-130			0.366	25
o-Xylene	3.75	4.08	4.05	109	108	70.0-130			0.738	25
(S) 1,4-Bromofluorobenzene				*95.3*	*94.6*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J239

CTEH
THE SCIENCE OF READY™

Send Report to	ahenault@cteh.com, mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____
Data Packet Requested: ☒ Standard Level II ☐ Other _____
Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐

4703316

Lab Contact Information / Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method: TO-15	Method	Method	Method	Method	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
MTWA0205MC001	011040	029128	02/05/24	1705	02/06/24	1054	-28	-8	DA	✓					A -01
MTWA0205MC002	028052	029256	02/05/24	1716	02/06/24	1109	-29	-8	DA	✓					A -02
MTWA0205MC003	029406	010275	02/05/24	1731	02/06/24	1122	-29	-8	DA	✓					A -03
MTWA0205MC004	009046	011700	02/05/24	1740	02/06/24	1153	-29	-10	DA	✓					A -04

Sample Receipt Checklist

		If Applicable	
COC Seal Present/Intact:	Y N	VOA Zero Headspace:	Y N
COC Signed/Accurate:	Y N	Pres. Correct/Check:	Y N
Bottles arrive intact:	Y N	AMB	
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N	2707 2816 3836	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	2/7/24 1000	Jewell Walters	2/7/24 1100	
Jewell Walters	2/7/24 1200	FedEx	02/7/24 1200	Jamieson 2-8-24 0900

SDG # MTWA0205MC