APPENDIX B

LABORATORY ANALYTICAL REPORTS AND DATA VALIDATION ASSESSMENT SUMMARIES

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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March 30, 2022

Jacklyn Perkins, Project Manager
Wood Environment & Infrastructure
3500 188th St Suite 601
Lynnwood, WA 98037

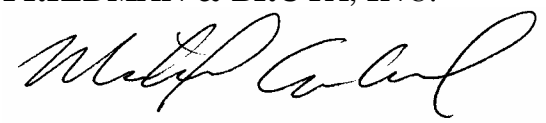
Dear Ms Perkins

Included are the results from the testing of material submitted on March 22, 2022 from the Kelly Moore, F&BI 203400 project. There are 41 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: jacklyn.perkins@woodplc.com, Christy Duitman
WEI0330R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 22, 2022 by Friedman & Bruya, Inc. from the Wood Environment & Infrastructure Kelly Moore, F&BI 203400 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Wood Environment & Infrastructure
203400 -01	KMW-02R
203400 -02	KMW-03R
203400 -03	KMW-04
203400 -04	KMW-06
203400 -05	KMW-07
203400 -06	KMW-08
203400 -07	KMW-Dup
203400 -08	KMW-09
203400 -09	KMW-10
203400 -10	Trip Blanks

The 8270E matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The laboratory control sample passed the acceptance criteria, therefore the results were likely due to matrix interference.

All other quality control requirements were acceptable.

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400
Date Extracted: 03/28/22
Date Analyzed: 03/28/22 and 03/29/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
KMW-02R 203400-01	<100	98
KMW-03R 203400-02	<100	104
KMW-04 203400-03	6,700	ip
KMW-06 203400-04	860	136
KMW-07 203400-05	<100	96
KMW-08 203400-06	110	101
KMW-Dup 203400-07 1/5	5,700	ip
KMW-09 203400-08 1/5	<500	95
KMW-10 203400-09 1/10	6,200	123
Method Blank 02-620 MB	<100	97

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400
Date Extracted: 03/23/22
Date Analyzed: 03/23/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
KMW-02R 203400-01	<50	<250	124
KMW-03R 203400-02	410 x	<250	113
KMW-04 203400-03	170 x	<250	97
KMW-06 203400-04	9,600 x	1,700 x	129
KMW-07 203400-05	240 x	<250	107
KMW-08 203400-06	1,800 x	980 x	128
KMW-Dup 203400-07	5,500 x	290 x	96
KMW-09 203400-08	4,500 x	530 x	117
KMW-10 203400-09	6,900 x	290 x	128
Method Blank 02-735 MB	<50	<250	115

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-02R	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-01
Date Analyzed:	03/24/22	Data File:	203400-01.139
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	1.87
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-03R	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-02
Date Analyzed:	03/24/22	Data File:	203400-02.142
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	12.0
Chromium	1.13
Copper	<5
Lead	<1
Mercury	<1
Nickel	2.64
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-04	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-03
Date Analyzed:	03/24/22	Data File:	203400-03.151
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	1.04
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	3.41
Zinc	7.82

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-06	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-04
Date Analyzed:	03/24/22	Data File:	203400-04.152
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	4.72
Chromium	3.26
Copper	20.5
Lead	1.87
Mercury	<1
Nickel	7.52
Zinc	77.4

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-07	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-05
Date Analyzed:	03/24/22	Data File:	203400-05.153
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	3.28
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-08	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-06
Date Analyzed:	03/24/22	Data File:	203400-06.154
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	1.03
Copper	12.2
Lead	1.89
Mercury	<1
Nickel	10.0
Zinc	470

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-Dup	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-07
Date Analyzed:	03/24/22	Data File:	203400-07.155
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	9.02
Chromium	2.37
Copper	<5
Lead	1.61
Mercury	<1
Nickel	12.4
Zinc	5.58

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-09	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-08
Date Analyzed:	03/24/22	Data File:	203400-08.156
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	1.14
Chromium	1.53
Copper	<5
Lead	<1
Mercury	<1
Nickel	1.79
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-10	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	203400-09
Date Analyzed:	03/24/22	Data File:	203400-09.157
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	8.58
Chromium	2.33
Copper	<5
Lead	1.68
Mercury	<1
Nickel	6.11
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	NA	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/24/22	Lab ID:	I2-238 mb
Date Analyzed:	03/24/22	Data File:	I2-238 mb.061
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<1
Zinc	<5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-02R	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-01
Date Analyzed:	03/23/22	Data File:	032310.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	85	117
Toluene-d8	98	88	112
4-Bromofluorobenzene	97	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-03R	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-02
Date Analyzed:	03/23/22	Data File:	032313.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	85	117
Toluene-d8	103	88	112
4-Bromofluorobenzene	100	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	1.1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	1.3
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-04	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/28/22	Lab ID:	203400-03 1/10
Date Analyzed:	03/28/22	Data File:	032817.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	107	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	<0.2	Dibromochloromethane	<5
Bromomethane	<50	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	460
Acetone	<500	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	1,700
Hexane	<50	o-Xylene	520
Methylene chloride	<50	Styrene	<10
Methyl t-butyl ether (MTBE)	<10	Isopropylbenzene	<10
trans-1,2-Dichloroethene	<10	Bromoform	<50
1,1-Dichloroethane	<10	n-Propylbenzene	<10
2,2-Dichloropropane	<10	Bromobenzene	<10
cis-1,2-Dichloroethene	<10	1,3,5-Trimethylbenzene	<10
Chloroform	<10	1,1,2,2-Tetrachloroethane	<2
2-Butanone (MEK)	<200	1,2,3-Trichloropropane	<10
1,2-Dichloroethane (EDC)	<2	2-Chlorotoluene	<10
1,1,1-Trichloroethane	<10	4-Chlorotoluene	<10
1,1-Dichloropropene	<10	tert-Butylbenzene	<10
Carbon tetrachloride	<5	1,2,4-Trimethylbenzene	15
Benzene	<3.5	sec-Butylbenzene	<10
Trichloroethene	<5	p-Isopropyltoluene	<10
1,2-Dichloropropane	<10	1,3-Dichlorobenzene	<10
Bromodichloromethane	<5	1,4-Dichlorobenzene	<10
Dibromomethane	<10	1,2-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dibromo-3-chloropropane	<100
cis-1,3-Dichloropropene	<4	1,2,4-Trichlorobenzene	<10
Toluene	69	Hexachlorobutadiene	<5
trans-1,3-Dichloropropene	<4	Naphthalene	<10
1,1,2-Trichloroethane	<5	1,2,3-Trichlorobenzene	<10
2-Hexanone	<100		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-06	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-04
Date Analyzed:	03/23/22	Data File:	032315.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	85	117
Toluene-d8	99	88	112
4-Bromofluorobenzene	109	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	1.5
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	1.7
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-07	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-05
Date Analyzed:	03/23/22	Data File:	032316.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	85	117
Toluene-d8	100	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-08	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-06
Date Analyzed:	03/23/22	Data File:	032317.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	85	117
Toluene-d8	99	88	112
4-Bromofluorobenzene	97	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-Dup	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-07
Date Analyzed:	03/23/22	Data File:	032318.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	85	117
Toluene-d8	99	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.12	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	360 ve
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	990 ve
Hexane	<5	o-Xylene	540 ve
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	15
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	13
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	19
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	39
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	250 ve	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-Dup	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/28/22	Lab ID:	203400-07 1/10
Date Analyzed:	03/28/22	Data File:	032818.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	106	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	<0.2	Dibromochloromethane	<5
Bromomethane	<50	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	500
Acetone	<500	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	1,400
Hexane	<50	o-Xylene	710
Methylene chloride	<50	Styrene	<10
Methyl t-butyl ether (MTBE)	<10	Isopropylbenzene	13
trans-1,2-Dichloroethene	<10	Bromoform	<50
1,1-Dichloroethane	<10	n-Propylbenzene	12
2,2-Dichloropropane	<10	Bromobenzene	<10
cis-1,2-Dichloroethene	<10	1,3,5-Trimethylbenzene	19
Chloroform	<10	1,1,2,2-Tetrachloroethane	<2
2-Butanone (MEK)	<200	1,2,3-Trichloropropane	<10
1,2-Dichloroethane (EDC)	<2	2-Chlorotoluene	<10
1,1,1-Trichloroethane	<10	4-Chlorotoluene	<10
1,1-Dichloropropene	<10	tert-Butylbenzene	<10
Carbon tetrachloride	<5	1,2,4-Trimethylbenzene	38
Benzene	<3.5	sec-Butylbenzene	<10
Trichloroethene	<5	p-Isopropyltoluene	<10
1,2-Dichloropropane	<10	1,3-Dichlorobenzene	<10
Bromodichloromethane	<5	1,4-Dichlorobenzene	<10
Dibromomethane	<10	1,2-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dibromo-3-chloropropane	<100
cis-1,3-Dichloropropene	<4	1,2,4-Trichlorobenzene	<10
Toluene	290	Hexachlorobutadiene	<5
trans-1,3-Dichloropropene	<4	Naphthalene	<10
1,1,2-Trichloroethane	<5	1,2,3-Trichlorobenzene	<10
2-Hexanone	<100		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-09	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-08
Date Analyzed:	03/23/22	Data File:	032319.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	85	117
Toluene-d8	99	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	2.1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	2.1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-10	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/28/22	Lab ID:	203400-09 1/10
Date Analyzed:	03/28/22	Data File:	032819.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	107	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	<0.2	Dibromochloromethane	<5
Bromomethane	<50	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	480
Acetone	<500	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	1,400
Hexane	<50	o-Xylene	680
Methylene chloride	<50	Styrene	<10
Methyl t-butyl ether (MTBE)	<10	Isopropylbenzene	13
trans-1,2-Dichloroethene	<10	Bromoform	<50
1,1-Dichloroethane	<10	n-Propylbenzene	12
2,2-Dichloropropane	<10	Bromobenzene	<10
cis-1,2-Dichloroethene	<10	1,3,5-Trimethylbenzene	18
Chloroform	<10	1,1,2,2-Tetrachloroethane	<2
2-Butanone (MEK)	<200	1,2,3-Trichloropropane	<10
1,2-Dichloroethane (EDC)	<2	2-Chlorotoluene	<10
1,1,1-Trichloroethane	<10	4-Chlorotoluene	<10
1,1-Dichloropropene	<10	tert-Butylbenzene	<10
Carbon tetrachloride	<5	1,2,4-Trimethylbenzene	37
Benzene	<3.5	sec-Butylbenzene	<10
Trichloroethene	<5	p-Isopropyltoluene	<10
1,2-Dichloropropane	<10	1,3-Dichlorobenzene	<10
Bromodichloromethane	<5	1,4-Dichlorobenzene	<10
Dibromomethane	<10	1,2-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dibromo-3-chloropropane	<100
cis-1,3-Dichloropropene	<4	1,2,4-Trichlorobenzene	<10
Toluene	290	Hexachlorobutadiene	<5
trans-1,3-Dichloropropene	<4	Naphthalene	<10
1,1,2-Trichloroethane	<5	1,2,3-Trichlorobenzene	<10
2-Hexanone	<100		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	02-696 mb
Date Analyzed:	03/23/22	Data File:	032307.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	85	117
Toluene-d8	99	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-02R	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-01
Date Analyzed:	03/23/22	Data File:	032312.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	20	10	60
Phenol-d6	15	10	49
Nitrobenzene-d5	96	15	144
2-Fluorobiphenyl	85	25	128
2,4,6-Tribromophenol	58	10	142
Terphenyl-d14	107	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-03R	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-02
Date Analyzed:	03/23/22	Data File:	032313.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	11	10	60
Phenol-d6	11	10	49
Nitrobenzene-d5	84	15	144
2-Fluorobiphenyl	73	25	128
2,4,6-Tribromophenol	50	10	142
Terphenyl-d14	99	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	0.12
Fluorene	0.050
Phenanthrene	0.23
Anthracene	0.026
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-04	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-03
Date Analyzed:	03/23/22	Data File:	032314.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	8 ip	10	60
Phenol-d6	10	10	49
Nitrobenzene-d5	74	15	144
2-Fluorobiphenyl	66	25	128
2,4,6-Tribromophenol	50	10	142
Terphenyl-d14	96	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.77
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-06	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-04
Date Analyzed:	03/23/22	Data File:	032315.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	10	10	60
Phenol-d6	7 ip	10	49
Nitrobenzene-d5	59	15	144
2-Fluorobiphenyl	51	25	128
2,4,6-Tribromophenol	60	10	142
Terphenyl-d14	91	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	0.36
Fluorene	0.051
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	0.057
Pyrene	0.14
Benz(a)anthracene	0.023
Chrysene	0.024
Benzo(a)pyrene	0.060
Benzo(b)fluoranthene	0.064
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	0.059
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	0.055

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-07	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-05
Date Analyzed:	03/23/22	Data File:	032316.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	7 ip	10	60
Phenol-d6	10	10	49
Nitrobenzene-d5	87	15	144
2-Fluorobiphenyl	80	25	128
2,4,6-Tribromophenol	38	10	142
Terphenyl-d14	101	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-08	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-06
Date Analyzed:	03/23/22	Data File:	032322.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	12	10	60
Phenol-d6	12	10	49
Nitrobenzene-d5	61	15	144
2-Fluorobiphenyl	64	25	128
2,4,6-Tribromophenol	70	10	142
Terphenyl-d14	88	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	0.040
Acenaphthene	0.028
Fluorene	0.041
Phenanthrene	<0.02
Anthracene	0.048
Fluoranthene	0.12
Pyrene	0.15
Benz(a)anthracene	0.053
Chrysene	0.065
Benzo(a)pyrene	0.16
Benzo(b)fluoranthene	0.16
Benzo(k)fluoranthene	0.040
Indeno(1,2,3-cd)pyrene	0.17
Dibenz(a,h)anthracene	0.023
Benzo(g,h,i)perylene	0.24

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-Dup	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-07
Date Analyzed:	03/23/22	Data File:	032317.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	10	10	60
Phenol-d6	6 ip	10	49
Nitrobenzene-d5	59	15	144
2-Fluorobiphenyl	58	25	128
2,4,6-Tribromophenol	68	10	142
Terphenyl-d14	94	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.45
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	1.5
Acenaphthene	0.11
Fluorene	<0.02
Phenanthrene	0.076
Anthracene	<0.02
Fluoranthene	0.12
Pyrene	0.14
Benz(a)anthracene	0.062
Chrysene	0.056
Benzo(a)pyrene	0.080
Benzo(b)fluoranthene	0.078
Benzo(k)fluoranthene	0.026
Indeno(1,2,3-cd)pyrene	0.042
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	0.042

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-09	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-08
Date Analyzed:	03/23/22	Data File:	032318.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	14	10	60
Phenol-d6	12	10	49
Nitrobenzene-d5	59	15	144
2-Fluorobiphenyl	58	25	128
2,4,6-Tribromophenol	79	10	142
Terphenyl-d14	102	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	0.29
Acenaphthylene	<0.02
Acenaphthene	3.0
Fluorene	0.57
Phenanthrene	<0.02
Anthracene	0.032
Fluoranthene	0.029
Pyrene	0.040
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-10	Client:	Wood Environment & Infrastructure
Date Received:	03/22/22	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	203400-09
Date Analyzed:	03/23/22	Data File:	032319.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	4 ip	10	60
Phenol-d6	8 ip	10	49
Nitrobenzene-d5	60	15	144
2-Fluorobiphenyl	57	25	128
2,4,6-Tribromophenol	80	10	142
Terphenyl-d14	90	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.38
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	1.4
Acenaphthene	0.12
Fluorene	<0.02
Phenanthrene	0.082
Anthracene	<0.02
Fluoranthene	0.11
Pyrene	0.14
Benz(a)anthracene	0.060
Chrysene	0.051
Benzo(a)pyrene	0.078
Benzo(b)fluoranthene	0.076
Benzo(k)fluoranthene	0.027
Indeno(1,2,3-cd)pyrene	0.042
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore, F&BI 203400
Date Extracted:	03/23/22	Lab ID:	02-725 mb3
Date Analyzed:	03/23/22	Data File:	032309.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	24	10	60
Phenol-d6	16	10	49
Nitrobenzene-d5	100	15	144
2-Fluorobiphenyl	83	25	128
2,4,6-Tribromophenol	82	10	142
Terphenyl-d14	115	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 203400-01 Matrix Spike

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	ug/L (ppb)	1,000	<100	87	86	53-117	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	96	69-134

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 203400-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	5,000	<50	106	97	50-150	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	ug/L (ppb)	2,500	92	63-142

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 203400-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	<1	97	97	70-130	0
Chromium	ug/L (ppb)	20	<1	96	97	70-130	1
Copper	ug/L (ppb)	20	<5	91	93	70-130	2
Lead	ug/L (ppb)	10	<1	93	93	70-130	0
Mercury	ug/L (ppb)	5	<1	95	95	70-130	0
Nickel	ug/L (ppb)	20	1.87	92	95	70-130	3
Zinc	ug/L (ppb)	50	<5	94	95	70-130	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	91	80-120
Chromium	ug/L (ppb)	20	92	80-120
Copper	ug/L (ppb)	20	96	80-120
Lead	ug/L (ppb)	10	96	80-120
Mercury	ug/L (ppb)	5	96	80-120
Nickel	ug/L (ppb)	20	94	80-120
Zinc	ug/L (ppb)	50	95	80-120

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 203400-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	<1	85	83	50-150	2
Chloromethane	ug/L (ppb)	10	<10	88	81	50-150	8
Vinyl chloride	ug/L (ppb)	10	<0.02	101	100	16-176	1
Bromomethane	ug/L (ppb)	10	<5	96	88	10-193	9
Chloroethane	ug/L (ppb)	10	<1	96	95	50-150	1
Trichlorofluoromethane	ug/L (ppb)	10	<1	84	82	50-150	2
Acetone	ug/L (ppb)	50	<50	80	82	15-179	2
1,1-Dichloroethene	ug/L (ppb)	10	<1	85	83	50-150	2
Hexane	ug/L (ppb)	10	<5	91	90	49-161	1
Methylene chloride	ug/L (ppb)	10	<5	91	93	40-143	2
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	102	102	50-150	0
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	89	88	50-150	1
1,1-Dichloroethane	ug/L (ppb)	10	<1	92	91	50-150	1
2,2-Dichloropropane	ug/L (ppb)	10	<1	107	107	10-335	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	91	90	50-150	1
Chloroform	ug/L (ppb)	10	<1	91	91	50-150	0
2-Butanone (MEK)	ug/L (ppb)	50	<20	86	87	34-168	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	89	88	50-150	1
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	103	102	50-150	1
1,1-Dichloropropene	ug/L (ppb)	10	<1	91	94	50-150	3
Carbon tetrachloride	ug/L (ppb)	10	<0.5	108	108	50-150	0
Benzene	ug/L (ppb)	10	<0.35	92	90	50-150	2
Trichloroethene	ug/L (ppb)	10	<0.5	89	88	43-133	1
1,2-Dichloropropane	ug/L (ppb)	10	<1	92	90	50-150	2
Bromodichloromethane	ug/L (ppb)	10	<0.5	97	98	50-150	1
Dibromomethane	ug/L (ppb)	10	<1	95	96	50-150	1
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	109	108	50-150	1
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	109	106	48-145	3
Toluene	ug/L (ppb)	10	<1	93	95	50-150	2
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	103	107	37-152	4
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	96	99	50-150	3
2-Hexanone	ug/L (ppb)	50	<10	103	108	50-150	5
1,3-Dichloropropane	ug/L (ppb)	10	<1	100	99	50-150	1
Tetrachloroethene	ug/L (ppb)	10	<1	89	90	50-150	1
Dibromochloromethane	ug/L (ppb)	10	<0.5	114	111	33-164	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	104	107	50-150	3
Chlorobenzene	ug/L (ppb)	10	<1	98	100	50-150	2
Ethylbenzene	ug/L (ppb)	10	<1	96	98	50-150	2
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	112	116	50-150	4
m,p-Xylene	ug/L (ppb)	20	<2	96	98	50-150	2
o-Xylene	ug/L (ppb)	10	<1	96	98	50-150	2
Styrene	ug/L (ppb)	10	<1	98	99	50-150	1
Isopropylbenzene	ug/L (ppb)	10	<1	99	101	50-150	2
Bromoform	ug/L (ppb)	10	<5	109	116	23-161	6
n-Propylbenzene	ug/L (ppb)	10	<1	99	97	50-150	2
Bromobenzene	ug/L (ppb)	10	<1	102	99	50-150	3
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	97	94	50-150	3
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	105	102	10-235	3
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	97	99	33-151	2
2-Chlorotoluene	ug/L (ppb)	10	<1	97	96	50-150	1
4-Chlorotoluene	ug/L (ppb)	10	<1	100	97	50-150	3
tert-Butylbenzene	ug/L (ppb)	10	<1	97	97	50-150	0
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	97	96	50-150	1
sec-Butylbenzene	ug/L (ppb)	10	<1	100	98	46-139	2
p-Isopropyltoluene	ug/L (ppb)	10	<1	100	98	46-140	2
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	102	98	50-150	4
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	102	101	50-150	1
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	103	102	50-150	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	115	114	50-150	1
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	103	103	50-150	0
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	98	97	42-150	1
Naphthalene	ug/L (ppb)	10	<1	104	103	50-150	1
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	103	104	44-155	1

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	91	94	70-130	3
Chloromethane	ug/L (ppb)	10	89	94	70-130	5
Vinyl chloride	ug/L (ppb)	10	103	107	70-130	4
Bromomethane	ug/L (ppb)	10	98	105	28-182	7
Chloroethane	ug/L (ppb)	10	98	101	70-130	3
Trichlorofluoromethane	ug/L (ppb)	10	89	95	70-130	7
Acetone	ug/L (ppb)	50	81	89	42-155	9
1,1-Dichloroethene	ug/L (ppb)	10	86	88	70-130	2
Hexane	ug/L (ppb)	10	90	93	50-161	3
Methylene chloride	ug/L (ppb)	10	92	95	29-192	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	101	105	70-130	4
trans-1,2-Dichloroethene	ug/L (ppb)	10	89	92	70-130	3
1,1-Dichloroethane	ug/L (ppb)	10	91	94	70-130	3
2,2-Dichloropropane	ug/L (ppb)	10	122	126	70-130	3
cis-1,2-Dichloroethene	ug/L (ppb)	10	90	93	70-130	3
Chloroform	ug/L (ppb)	10	89	93	70-130	4
2-Butanone (MEK)	ug/L (ppb)	50	86	88	50-157	2
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	88	91	70-130	3
1,1,1-Trichloroethane	ug/L (ppb)	10	104	107	70-130	3
1,1-Dichloropropene	ug/L (ppb)	10	91	98	70-130	7
Carbon tetrachloride	ug/L (ppb)	10	110	116	70-130	5
Benzene	ug/L (ppb)	10	91	93	70-130	2
Trichloroethene	ug/L (ppb)	10	86	90	70-130	5
1,2-Dichloropropane	ug/L (ppb)	10	96	95	70-130	1
Bromodichloromethane	ug/L (ppb)	10	97	98	70-130	1
Dibromomethane	ug/L (ppb)	10	91	97	70-130	6
4-Methyl-2-pentanone	ug/L (ppb)	50	101	108	70-130	7
cis-1,3-Dichloropropene	ug/L (ppb)	10	106	112	70-130	6
Toluene	ug/L (ppb)	10	94	94	70-130	0
trans-1,3-Dichloropropene	ug/L (ppb)	10	116	113	70-130	3
1,1,2-Trichloroethane	ug/L (ppb)	10	97	96	70-130	1
2-Hexanone	ug/L (ppb)	50	103	105	69-130	2
1,3-Dichloropropane	ug/L (ppb)	10	99	97	70-130	2
Tetrachloroethene	ug/L (ppb)	10	91	91	70-130	0
Dibromochloromethane	ug/L (ppb)	10	118	109	63-142	8
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	105	105	70-130	0
Chlorobenzene	ug/L (ppb)	10	98	99	70-130	1
Ethylbenzene	ug/L (ppb)	10	96	95	70-130	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	116	115	70-130	1
m,p-Xylene	ug/L (ppb)	20	97	95	70-130	2
o-Xylene	ug/L (ppb)	10	96	95	70-130	1
Styrene	ug/L (ppb)	10	100	100	70-130	0
Isopropylbenzene	ug/L (ppb)	10	98	98	70-130	0
Bromoform	ug/L (ppb)	10	117	115	50-157	2
n-Propylbenzene	ug/L (ppb)	10	95	97	70-130	2
Bromobenzene	ug/L (ppb)	10	96	96	70-130	0
1,3,5-Trimethylbenzene	ug/L (ppb)	10	94	96	52-150	2
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	98	101	70-130	3
1,2,3-Trichloropropane	ug/L (ppb)	10	93	96	70-130	3
2-Chlorotoluene	ug/L (ppb)	10	93	95	70-130	2
4-Chlorotoluene	ug/L (ppb)	10	94	96	70-130	2
tert-Butylbenzene	ug/L (ppb)	10	94	97	70-130	3
1,2,4-Trimethylbenzene	ug/L (ppb)	10	95	96	70-130	1
sec-Butylbenzene	ug/L (ppb)	10	95	98	70-130	3
p-Isopropyltoluene	ug/L (ppb)	10	95	98	70-130	3
1,3-Dichlorobenzene	ug/L (ppb)	10	98	98	70-130	0
1,4-Dichlorobenzene	ug/L (ppb)	10	97	98	70-130	1
1,2-Dichlorobenzene	ug/L (ppb)	10	97	99	70-130	2
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	108	111	70-130	3
1,2,4-Trichlorobenzene	ug/L (ppb)	10	95	99	70-130	4
Hexachlorobutadiene	ug/L (ppb)	10	91	96	70-130	5
Naphthalene	ug/L (ppb)	10	95	99	70-130	4
1,2,3-Trichlorobenzene	ug/L (ppb)	10	96	99	69-143	3

Date of Report: 03/30/22
Date Received: 03/22/22
Project: Kelly Moore, F&BI 203400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 203400-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	<0.2	50	72	50-150	36 vo
2-Methylnaphthalene	ug/L (ppb)	5	<0.2	63	78	50-150	21 vo
1-Methylnaphthalene	ug/L (ppb)	5	<0.2	62	77	50-150	22 vo
Acenaphthylene	ug/L (ppb)	5	<0.02	69	85	50-150	21 vo
Acenaphthene	ug/L (ppb)	5	<0.02	66	81	50-150	20
Fluorene	ug/L (ppb)	5	<0.02	74	91	50-150	21 vo
Phenanthrene	ug/L (ppb)	5	<0.02	76	93	50-150	20
Anthracene	ug/L (ppb)	5	<0.02	81	98	50-150	19
Fluoranthene	ug/L (ppb)	5	<0.02	88	107	50-150	19
Pyrene	ug/L (ppb)	5	<0.02	84	102	50-150	19
Benz(a)anthracene	ug/L (ppb)	5	<0.02	83	100	50-150	19
Chrysene	ug/L (ppb)	5	<0.02	80	96	50-150	18
Benzo(a)pyrene	ug/L (ppb)	5	<0.02	90	108	50-150	18
Benzo(b)fluoranthene	ug/L (ppb)	5	<0.02	95	114	50-150	18
Benzo(k)fluoranthene	ug/L (ppb)	5	<0.02	89	109	50-150	20
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	<0.02	72	81	50-150	12
Dibenz(a,h)anthracene	ug/L (ppb)	5	<0.02	71	84	50-150	17
Benzo(g,h,i)perylene	ug/L (ppb)	5	<0.04	61	72	50-150	17

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	80	84	66-94	5
2-Methylnaphthalene	ug/L (ppb)	5	87	88	68-98	1
1-Methylnaphthalene	ug/L (ppb)	5	86	87	67-97	1
Acenaphthylene	ug/L (ppb)	5	91	92	70-130	1
Acenaphthene	ug/L (ppb)	5	87	88	70-130	1
Fluorene	ug/L (ppb)	5	92	91	70-130	1
Phenanthrene	ug/L (ppb)	5	89	92	70-130	3
Anthracene	ug/L (ppb)	5	92	95	70-130	3
Fluoranthene	ug/L (ppb)	5	98	97	70-130	1
Pyrene	ug/L (ppb)	5	93	102	70-130	9
Benz(a)anthracene	ug/L (ppb)	5	91	95	70-130	4
Chrysene	ug/L (ppb)	5	92	96	70-130	4
Benzo(a)pyrene	ug/L (ppb)	5	97	99	70-130	2
Benzo(b)fluoranthene	ug/L (ppb)	5	97	101	62-130	4
Benzo(k)fluoranthene	ug/L (ppb)	5	99	99	70-130	0
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	90	97	70-130	7
Dibenz(a,h)anthracene	ug/L (ppb)	5	92	99	70-130	7
Benzo(g,h,i)perylene	ug/L (ppb)	5	90	96	70-130	6

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

203400

SAMPLE CHAIN OF CUSTODY

ME 03/22/22 E04/A16/VW5

Page # 1 of 1

Report To Jacklyn Perkins

Company WOOD

Address 3500 188th St SW #601

City, State, ZIP Lynnwood, WA 98037

Phone 858-344-6992 Email Jacklyn.perkins@woodplc.com Christy.Duffman@woodplc.com

SAMPLERS (*signature*)

PROJECT NAME: Kelly Moore

PO #:

REMARKS: metals: As, Cr, Cu, Pb, Hg, Ni, Zn (cSID ME) Project specific RLs? - Yes / No

INVOICE TO: WOOD

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Metals EPA 6020B				Notes
KMW-02R	01 A-R	3/21/22	13:35	GW	18 9 mS	X	X			X	X		X				3/22 MS/MD 8270 ESIM, 8260D PO JD ME
KMW-03R	02 A-I	3/21/22	11:35	GW	18 9 mS	X	X			X	X		X				MS/MSD
KMW-04	03 A-I	3/22/22	13:35	GW	9	X	X			X	X		X				
KMW-06	04 A-H	3/22/22	09:25	GW	8*	X	X			X	X		X				*only 5 VOA containers
KMW-07	05 A-I	3/21/22	16:35	GW	9	X	X			X	X		X				
KMW-08	06	3/21/22	14:55	GW	9	X	X			X	X		X				
KMW-DUP	07	3/22/22	11:35	GW	9	X	X			X	X		X				
KMW-09	08	3/22/22	15:25	GW	9	X	X			X	X		X				
KMW-10	09	3/22/22	17:05	GW	9	X	X			X	X		X				
~~KMW~~ Trip blanks	10 A-F	—	—	W	6								X	20			(NP) Added 3/22/22 at Tab

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jacklyn Perkins	WOOD	3/22/22	20:45
Received by:	Eric Young	F&B	3/22/22	20:45
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282 (NP)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

August 30, 2022

Jacklyn Perkins, Project Manager
Wood Environment & Infrastructure
3500 188th St SW, Suite 601
Lynnwood, WA 98037

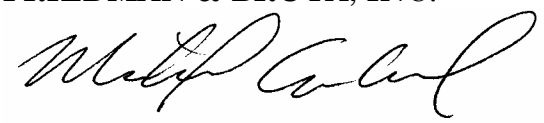
Dear Ms Perkins:

Included are the results from the testing of material submitted on August 19, 2022 from the Kelly Moore PS2120450, F&BI 208312 project. There are 27 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Christy Duitman
WEI0830R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 19, 2022 by Friedman & Bruya, Inc. from the Wood Environment & Infrastructure Kelly Moore PS2120450, F&BI 208312 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Wood Environment & Infrastructure
208312 -01	KMW-02R-08192022 (MS/MSD)
208312 -02	KMW-07-08192022
208312 -03	KMW-08-08192022
208312 -04	KMW-03R-08192022

Methylene chloride was detected in the 8260D analysis of sample KMW-03R-08192022. The data were flagged as due to laboratory contamination.

The 8260D laboratory control sample and laboratory control sample duplicate exceeded the relative percent difference for methylene chloride. The data were flagged accordingly.

All other quality control requirements were acceptable.

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312
Date Extracted: 08/25/22
Date Analyzed: 08/26/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
KMW-02R-08192022 (MS/MSD) 208312-01	<100	100
KMW-07-08192022 208312-02	<100	99
KMW-08-08192022 208312-03	<100	100
KMW-03R-08192022 208312-04	<100	105
Method Blank 02-1750 MB	<100	99

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312
Date Extracted: 08/23/22
Date Analyzed: 08/23/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
KMW-02R-08192022 (MS/MSD) 208312-01	<50	<250	102
KMW-07-08192022 208312-02	97 x	<250	125
KMW-08-08192022 208312-03	280 x	<250	109
KMW-03R-08192022 208312-04	290 x	<250	104
Method Blank 02-2025 MB	<50	<250	96

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-02R-08192022 (MS/MSD)		Client: Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-01
Date Analyzed:	08/25/22	Data File:	208312-01.212
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-07-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-02
Date Analyzed:	08/25/22	Data File:	208312-02.215
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-08-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-03
Date Analyzed:	08/25/22	Data File:	208312-03.216
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	84.8

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-03R-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-04
Date Analyzed:	08/25/22	Data File:	208312-04.217
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	7.12
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	NA	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	I2-580 mb
Date Analyzed:	08/25/22	Data File:	I2-580 mb.210
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-02R-08192022 (MS/MSD)		Client: Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/26/22	Lab ID:	208312-01
Date Analyzed:	08/26/22	Data File:	082621.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	106	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-07-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/26/22	Lab ID:	208312-02
Date Analyzed:	08/26/22	Data File:	082622.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-08-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/26/22	Lab ID:	208312-03
Date Analyzed:	08/26/22	Data File:	082623.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-03R-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/26/22	Lab ID:	208312-04
Date Analyzed:	08/26/22	Data File:	082624.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	105	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	6.4 lc jl	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	1.1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	1.5
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/26/22	Lab ID:	02-1950 mb
Date Analyzed:	08/26/22	Data File:	082607.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	92	84	115
4-Bromofluorobenzene	94	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-02R-08192022 (MS/MSD)		Client: Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-01 1/2
Date Analyzed:	08/24/22	Data File:	082411.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	91	15	144
2-Fluorobiphenyl	83	25	128
2,4,6-Tribromophenol	52	10	142
Terphenyl-d14	104	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-07-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-02 1/2
Date Analyzed:	08/24/22	Data File:	082412.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	88	15	144
2-Fluorobiphenyl	79	25	128
2,4,6-Tribromophenol	47	10	142
Terphenyl-d14	106	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-08-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-03 1/2
Date Analyzed:	08/24/22	Data File:	082413.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	87	15	144
2-Fluorobiphenyl	83	25	128
2,4,6-Tribromophenol	84	10	142
Terphenyl-d14	102	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	<0.04
Fluorene	0.043
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	0.093
Pyrene	0.13
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	0.041
Benzo(b)fluoranthene	0.045
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	0.048
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-03R-08192022	Client:	Wood Environment & Infrastructure
Date Received:	08/19/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208312-04 1/2
Date Analyzed:	08/24/22	Data File:	082414.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	92	15	144
2-Fluorobiphenyl	76	25	128
2,4,6-Tribromophenol	93	10	142
Terphenyl-d14	105	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	0.098
Fluorene	0.051
Phenanthrene	0.21
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	02-2030 mb
Date Analyzed:	08/24/22	Data File:	082408.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	80	15	144
2-Fluorobiphenyl	82	25	128
2,4,6-Tribromophenol	82	10	142
Terphenyl-d14	105	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 208312-01 Matrix Spike

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	ug/L (ppb)	1,000	<100	81	82	53-117	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	86	69-134

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208312-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	53	118	130	50-150	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	ug/L (ppb)	2,500	116	63-142

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 208312-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	<1	101	99	75-125	2
Chromium	ug/L (ppb)	20	<1	99	97	75-125	2
Copper	ug/L (ppb)	20	<5	98	98	75-125	0
Lead	ug/L (ppb)	10	<1	99	99	75-125	0
Mercury	ug/L (ppb)	5	<1	102	103	75-125	1
Nickel	ug/L (ppb)	20	1.87	97	97	75-125	0
Zinc	ug/L (ppb)	50	<5	96	95	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	95	80-120
Chromium	ug/L (ppb)	20	99	80-120
Copper	ug/L (ppb)	20	102	80-120
Lead	ug/L (ppb)	10	101	80-120
Mercury	ug/L (ppb)	5	104	80-120
Nickel	ug/L (ppb)	20	102	80-120
Zinc	ug/L (ppb)	50	99	80-120

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208312-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	<1	114	111	50-150	3
Chloromethane	ug/L (ppb)	10	<10	101	99	50-150	2
Vinyl chloride	ug/L (ppb)	10	<0.02	110	108	50-150	2
Bromomethane	ug/L (ppb)	10	<5	115	101	50-150	13
Chloroethane	ug/L (ppb)	10	<1	112	109	50-150	3
Trichlorofluoromethane	ug/L (ppb)	10	<1	104	98	50-150	6
Acetone	ug/L (ppb)	50	<50	104	100	50-150	4
1,1-Dichloroethene	ug/L (ppb)	10	<1	100	97	50-150	3
Hexane	ug/L (ppb)	10	<5	99	98	50-150	1
Methylene chloride	ug/L (ppb)	10	<5	136	134	50-150	1
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	101	99	50-150	2
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	107	105	50-150	2
1,1-Dichloroethane	ug/L (ppb)	10	<1	100	97	50-150	3
2,2-Dichloropropane	ug/L (ppb)	10	<1	113	108	50-150	5
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	103	100	50-150	3
Chloroform	ug/L (ppb)	10	<1	97	96	50-150	1
2-Butanone (MEK)	ug/L (ppb)	50	<20	104	103	50-150	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	102	100	50-150	2
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	100	98	50-150	2
1,1-Dichloropropene	ug/L (ppb)	10	<1	99	100	50-150	1
Carbon tetrachloride	ug/L (ppb)	10	<0.5	103	103	50-150	0
Benzene	ug/L (ppb)	10	<0.35	103	101	50-150	2
Trichloroethene	ug/L (ppb)	10	<0.5	104	102	50-150	2
1,2-Dichloropropane	ug/L (ppb)	10	<1	100	97	50-150	3
Bromodichloromethane	ug/L (ppb)	10	<0.5	100	99	50-150	1
Dibromomethane	ug/L (ppb)	10	<1	105	104	50-150	1
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	100	105	50-150	5
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	104	99	50-150	5
Toluene	ug/L (ppb)	10	<1	103	104	50-150	1
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	97	97	50-150	0
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	99	101	50-150	2
2-Hexanone	ug/L (ppb)	50	<10	97	101	50-150	4
1,3-Dichloropropane	ug/L (ppb)	10	<1	98	100	50-150	2
Tetrachloroethene	ug/L (ppb)	10	<1	102	102	50-150	0
Dibromochloromethane	ug/L (ppb)	10	<0.5	101	102	50-150	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	100	103	50-150	3
Chlorobenzene	ug/L (ppb)	10	<1	98	101	50-150	3
Ethylbenzene	ug/L (ppb)	10	<1	102	103	50-150	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	101	99	50-150	2
m,p-Xylene	ug/L (ppb)	20	<2	102	102	50-150	0
o-Xylene	ug/L (ppb)	10	<1	101	101	50-150	0
Styrene	ug/L (ppb)	10	<1	98	99	50-150	1
Isopropylbenzene	ug/L (ppb)	10	<1	99	101	50-150	2
Bromoform	ug/L (ppb)	10	<5	105	107	50-150	2
n-Propylbenzene	ug/L (ppb)	10	<1	100	99	50-150	1
Bromobenzene	ug/L (ppb)	10	<1	100	100	50-150	0
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	98	98	50-150	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	100	98	50-150	2
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	98	97	50-150	1
2-Chlorotoluene	ug/L (ppb)	10	<1	100	99	50-150	1
4-Chlorotoluene	ug/L (ppb)	10	<1	102	101	50-150	1
tert-Butylbenzene	ug/L (ppb)	10	<1	99	98	50-150	1
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	98	96	50-150	2
sec-Butylbenzene	ug/L (ppb)	10	<1	101	100	50-150	1
p-Isopropyltoluene	ug/L (ppb)	10	<1	102	102	50-150	0
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	100	100	50-150	0
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	101	99	50-150	2
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	99	96	50-150	3
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	100	100	50-150	0
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	100	96	50-150	4
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	103	98	50-150	5
Naphthalene	ug/L (ppb)	10	<1	96	97	50-150	1
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	98	98	50-150	0

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	93	102	46-206	9
Chloromethane	ug/L (ppb)	10	86	94	70-142	9
Vinyl chloride	ug/L (ppb)	10	95	101	70-130	6
Bromomethane	ug/L (ppb)	10	97	104	56-197	7
Chloroethane	ug/L (ppb)	10	97	105	70-130	8
Trichlorofluoromethane	ug/L (ppb)	10	88	92	70-130	4
Acetone	ug/L (ppb)	50	90	90	10-140	0
1,1-Dichloroethene	ug/L (ppb)	10	88	94	70-130	7
Hexane	ug/L (ppb)	10	83	88	54-136	6
Methylene chloride	ug/L (ppb)	10	77	101	43-134	27 vo
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	89	94	70-130	5
trans-1,2-Dichloroethene	ug/L (ppb)	10	93	99	70-130	6
1,1-Dichloroethane	ug/L (ppb)	10	87	93	70-130	7
2,2-Dichloropropane	ug/L (ppb)	10	93	97	70-130	4
cis-1,2-Dichloroethene	ug/L (ppb)	10	91	101	70-130	10
Chloroform	ug/L (ppb)	10	88	91	70-130	3
2-Butanone (MEK)	ug/L (ppb)	50	93	89	17-154	4
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	94	100	70-130	6
1,1,1-Trichloroethane	ug/L (ppb)	10	88	94	70-130	7
1,1-Dichloropropene	ug/L (ppb)	10	91	98	70-130	7
Carbon tetrachloride	ug/L (ppb)	10	92	96	70-130	4
Benzene	ug/L (ppb)	10	95	101	70-130	6
Trichloroethene	ug/L (ppb)	10	98	104	70-130	6
1,2-Dichloropropane	ug/L (ppb)	10	89	93	70-130	4
Bromodichloromethane	ug/L (ppb)	10	95	98	70-130	3
Dibromomethane	ug/L (ppb)	10	95	103	70-130	8
4-Methyl-2-pentanone	ug/L (ppb)	50	85	90	68-130	6
cis-1,3-Dichloropropene	ug/L (ppb)	10	91	97	69-131	6
Toluene	ug/L (ppb)	10	109	106	70-130	3
trans-1,3-Dichloropropene	ug/L (ppb)	10	104	99	70-130	5
1,1,2-Trichloroethane	ug/L (ppb)	10	101	99	70-130	2
2-Hexanone	ug/L (ppb)	50	96	93	45-138	3
1,3-Dichloropropane	ug/L (ppb)	10	100	93	70-130	7
Tetrachloroethene	ug/L (ppb)	10	107	103	70-130	4
Dibromochloromethane	ug/L (ppb)	10	102	101	60-148	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	105	98	70-130	7
Chlorobenzene	ug/L (ppb)	10	100	99	70-130	1
Ethylbenzene	ug/L (ppb)	10	101	98	70-130	3
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	105	102	70-130	3
m,p-Xylene	ug/L (ppb)	20	100	98	70-130	2
o-Xylene	ug/L (ppb)	10	103	100	70-130	3
Styrene	ug/L (ppb)	10	94	94	70-130	0
Isopropylbenzene	ug/L (ppb)	10	102	100	70-130	2
Bromoform	ug/L (ppb)	10	105	103	69-138	2
n-Propylbenzene	ug/L (ppb)	10	97	93	70-130	4
Bromobenzene	ug/L (ppb)	10	96	94	70-130	2
1,3,5-Trimethylbenzene	ug/L (ppb)	10	98	94	70-130	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	100	96	70-130	4
1,2,3-Trichloropropane	ug/L (ppb)	10	92	89	70-130	3
2-Chlorotoluene	ug/L (ppb)	10	97	93	70-130	4
4-Chlorotoluene	ug/L (ppb)	10	97	93	70-130	4
tert-Butylbenzene	ug/L (ppb)	10	102	102	70-130	0
1,2,4-Trimethylbenzene	ug/L (ppb)	10	98	94	70-130	4
sec-Butylbenzene	ug/L (ppb)	10	101	97	70-130	4
p-Isopropyltoluene	ug/L (ppb)	10	101	97	70-130	4
1,3-Dichlorobenzene	ug/L (ppb)	10	98	95	70-130	3
1,4-Dichlorobenzene	ug/L (ppb)	10	98	94	70-130	4
1,2-Dichlorobenzene	ug/L (ppb)	10	99	96	70-130	3
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	105	103	70-130	2
1,2,4-Trichlorobenzene	ug/L (ppb)	10	101	97	70-130	4
Hexachlorobutadiene	ug/L (ppb)	10	101	98	70-130	3
Naphthalene	ug/L (ppb)	10	101	98	70-130	3
1,2,3-Trichlorobenzene	ug/L (ppb)	10	104	97	70-130	7

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208343-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	<1	109	114	50-150	4
Chloromethane	ug/L (ppb)	10	<10	101	98	50-150	3
Vinyl chloride	ug/L (ppb)	10	<0.02	107	109	50-150	2
Bromomethane	ug/L (ppb)	10	<5	107	113	50-150	5
Chloroethane	ug/L (ppb)	10	<1	109	110	50-150	1
Trichlorofluoromethane	ug/L (ppb)	10	<1	99	100	50-150	1
Acetone	ug/L (ppb)	50	<50	99	96	50-150	3
1,1-Dichloroethene	ug/L (ppb)	10	<1	98	99	50-150	1
Hexane	ug/L (ppb)	10	<5	99	97	50-150	2
Methylene chloride	ug/L (ppb)	10	<5	135	125	50-150	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	97	98	50-150	1
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	103	105	50-150	2
1,1-Dichloroethane	ug/L (ppb)	10	<1	96	98	50-150	2
2,2-Dichloropropane	ug/L (ppb)	10	<1	112	112	50-150	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	99	106	50-150	7
Chloroform	ug/L (ppb)	10	<1	94	97	50-150	3
2-Butanone (MEK)	ug/L (ppb)	50	<20	98	103	50-150	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	97	100	50-150	3
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	97	98	50-150	1
1,1-Dichloropropene	ug/L (ppb)	10	<1	96	102	50-150	6
Carbon tetrachloride	ug/L (ppb)	10	<0.5	102	102	50-150	0
Benzene	ug/L (ppb)	10	<0.35	98	101	50-150	3
Trichloroethene	ug/L (ppb)	10	<0.5	100	104	50-150	4
1,2-Dichloropropane	ug/L (ppb)	10	<1	96	97	50-150	1
Bromodichloromethane	ug/L (ppb)	10	<0.5	96	98	50-150	2
Dibromomethane	ug/L (ppb)	10	<1	99	102	50-150	3
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	101	97	50-150	4
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	97	102	50-150	5
Toluene	ug/L (ppb)	10	<1	101	104	50-150	3
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	96	99	50-150	3
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	98	100	50-150	2
2-Hexanone	ug/L (ppb)	50	<10	95	98	50-150	3
1,3-Dichloropropane	ug/L (ppb)	10	<1	97	99	50-150	2
Tetrachloroethene	ug/L (ppb)	10	<1	101	103	50-150	2
Dibromochloromethane	ug/L (ppb)	10	<0.5	97	100	50-150	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	98	102	50-150	4
Chlorobenzene	ug/L (ppb)	10	<1	98	101	50-150	3
Ethylbenzene	ug/L (ppb)	10	<1	100	103	50-150	3
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	95	101	50-150	6
m,p-Xylene	ug/L (ppb)	20	<2	100	102	50-150	2
o-Xylene	ug/L (ppb)	10	<1	98	101	50-150	3
Styrene	ug/L (ppb)	10	<1	95	98	50-150	3
Isopropylbenzene	ug/L (ppb)	10	<1	98	98	50-150	0
Bromoform	ug/L (ppb)	10	<5	97	104	50-150	7
n-Propylbenzene	ug/L (ppb)	10	<1	98	99	50-150	1
Bromobenzene	ug/L (ppb)	10	<1	97	98	50-150	1
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	94	97	50-150	3
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	97	98	50-150	1
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	92	94	50-150	2
2-Chlorotoluene	ug/L (ppb)	10	<1	95	97	50-150	2
4-Chlorotoluene	ug/L (ppb)	10	<1	99	99	50-150	0
tert-Butylbenzene	ug/L (ppb)	10	<1	95	97	50-150	2
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	94	95	50-150	1
sec-Butylbenzene	ug/L (ppb)	10	<1	97	99	50-150	2
p-Isopropyltoluene	ug/L (ppb)	10	<1	97	100	50-150	3
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	96	99	50-150	3
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	97	99	50-150	2
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	93	97	50-150	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	97	104	50-150	7
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	93	95	50-150	2
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	96	98	50-150	2
Naphthalene	ug/L (ppb)	10	<1	91	94	50-150	3
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	92	94	50-150	2

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208312-01 1/2 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	<0.4	73	73	46-95	0
2-Methylnaphthalene	ug/L (ppb)	5	<0.4	76	76	50-150	0
1-Methylnaphthalene	ug/L (ppb)	5	<0.4	77	77	50-150	0
Acenaphthylene	ug/L (ppb)	5	<0.04	88	88	50-150	0
Acenaphthene	ug/L (ppb)	5	<0.04	87	87	50-150	0
Fluorene	ug/L (ppb)	5	<0.04	90	90	50-150	0
Phenanthrene	ug/L (ppb)	5	<0.04	92	92	50-150	0
Anthracene	ug/L (ppb)	5	<0.04	93	93	50-150	0
Fluoranthene	ug/L (ppb)	5	<0.04	102	102	50-150	0
Pyrene	ug/L (ppb)	5	<0.04	96	96	50-150	0
Benz(a)anthracene	ug/L (ppb)	5	<0.04	102	102	50-150	0
Chrysene	ug/L (ppb)	5	<0.04	100	100	50-150	0
Benzo(a)pyrene	ug/L (ppb)	5	<0.04	101	101	50-150	0
Benzo(b)fluoranthene	ug/L (ppb)	5	<0.04	105	105	50-150	0
Benzo(k)fluoranthene	ug/L (ppb)	5	<0.04	103	103	50-150	0
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	<0.04	97	97	50-150	0
Dibenz(a,h)anthracene	ug/L (ppb)	5	<0.04	100	100	50-150	0
Benzo(g,h,i)perylene	ug/L (ppb)	5	<0.08	98	98	50-150	0

Date of Report: 08/30/22
Date Received: 08/19/22
Project: Kelly Moore PS2120450, F&BI 208312

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	ug/L (ppb)	5	73	50-104
2-Methylnaphthalene	ug/L (ppb)	5	76	54-109
1-Methylnaphthalene	ug/L (ppb)	5	77	55-108
Acenaphthylene	ug/L (ppb)	5	88	60-114
Acenaphthene	ug/L (ppb)	5	87	57-110
Fluorene	ug/L (ppb)	5	90	61-115
Phenanthrene	ug/L (ppb)	5	92	63-113
Anthracene	ug/L (ppb)	5	93	65-117
Fluoranthene	ug/L (ppb)	5	102	68-121
Pyrene	ug/L (ppb)	5	96	66-125
Benz(a)anthracene	ug/L (ppb)	5	102	70-130
Chrysene	ug/L (ppb)	5	100	67-119
Benzo(a)pyrene	ug/L (ppb)	5	101	68-126
Benzo(b)fluoranthene	ug/L (ppb)	5	105	62-130
Benzo(k)fluoranthene	ug/L (ppb)	5	103	67-125
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	97	63-131
Dibenz(a,h)anthracene	ug/L (ppb)	5	100	62-133
Benzo(g,h,i)perylene	ug/L (ppb)	5	98	57-133

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 08-19-22

VWG/AI3/E04

Page # 1 of 1

208312

Report To Jacklyn Perkins, Christy Dvitman

Company Wood E&IS

Address 3500 188th St SW, Suite 601

City, State, ZIP Lynnwood, WA 98037

Phone 425-608-1907 Email jacklyn.perkins@woodplc.com christy.dvitman@woodplc.com

SAMPLERS (signature) Jacklyn Perkins

PROJECT NAME: Kelly Moore

PO # PS2120450

REMARKS: Tier IV data package

Project specific RLs? - Yes / No

INVOICE TO: Wood

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Metals 6020B: As, Cr, Cu, Pb, Hg, Ni, Zn			Notes
KMW-02R-08192022 (MS/MSD)	01A-AB	08/19/22	10:00	GW	28	X	X			X	X		X			Chromatograms
KMW-07-08192022	02A-J		12:00	GW	10	X	X			X	X		X			
KMW-08-08192022	03A-J		13:30	GW	10	X	X			X	X		X			
KMW-03R-08192022	04A-J		14:30	GW	10	X	X			X	X		X			

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Jacklyn Perkins	Jacklyn Perkins	Wood	8/19/22	17:35
Received by:	JOE MOHAMMED	FBI	8/19/22	17:35
Relinquished by:	Samples received at 6 °C			
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

F&B Project 208312

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY 08-19-22

VW6/AI3/E04

Page # 1 of 1

208312

Report To Jacklyn Perkins, Christy Dvitman

Company Wood E&IS

Address 3500 188th St SW, Suite 601

City, State, ZIP Lynnwood, WA 98037

Phone 425-608-1907 Email jacklyn.perkins@woodplc.com christy.dvitman@woodplc.com

SAMPLERS (signature) Jacklyn Perkins

PROJECT NAME Kelly Moore

PO # PS2120450

REMARKS Tier IV data package

Project specific RLs? - Yes / No

INVOICE TO Wood

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Metals 6020B As, Cr, Cu, Pb, Hg, Ni, Zn				Notes
KMW-02R-08192022 (MS/MSD)	01A-AB	08/19/22	10:00	GW	28	X	X			X	X		X				Chromatograms
KMW-07-08192022	02A-J		12:00	GW	10	X	X			X	X		X				
KMW-08-08192022	03A-J		13:30	GW	10	X	X			X	X		X				
KMW-03R-08192022	04A-J		14:30	GW	10	X	X			X	X		X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Jacklyn Perkins	Jacklyn Perkins	Wood	8/19/22	17:35
Received by:	JOE MOHAMMED	FBI	8/19/22	17:35
Relinquished by:	Samples received at 6 °C			
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

Laboratory Worksheets

GASOLINE/BTEX EXTRACTION WORKSHEET (WATER)

HT_____

Project #: 208312 | Date Received: 8/15/22

Client: Wood | Date Extracted: AUG 25 '22 15:15

QC Batch ID: 02.1750 | Date Analyzed: ~~8829~~ ~~0826~~ 0826

Samples checked against COC | GC ☑2 ☐3, Seq. Date_____

Analysis Method:
- ☒ NWTPH-Gx
- ☐ 8021B
- ☐ NWTPH-Gx/8021B
- ☐ 8015M
- ☐ AK101 [LCS/LCSD]
- ☐ Other_____

Calculation Range:
- ☐ C_6 to C_{10}
- ☒ Benzene to Naphthalene

Requested Analytes:
- ☐ BTEX
- ☒ Gasoline
- ☐ BTEX + Gasoline
- ☐ MTBE
- ☐ Other_____

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other

Extraction Method:
- ☒ 5030
- ☐ Other_____

☒ ve's not Acceptable
☒ Dilutions Not Acceptable for Non-Detects
☐ Need EDF

Due Date: 8/29

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions Amt. Extract	Dilutions Amt. Solvent	Dx Observations
01 F	~~8829~~	43	43			MS/MD
02						–
03						–
04						4
01 4						MSG
01 6						MSDG
MC 8/26						

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water	NA		
Other							
Surrogate/Internal Standard	✓	1 ul of 500 ppm BFB spiked at instr. to yield 100 ppb			67-458	ML	8/26
Other							

Project Leader Initials: ML

NOTES: Tier IV

Gas ONLY

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: AUG 25 '22 15:15 Technician: MC

QA Batch: **O2-1750**

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Wipe
- ☐ Other

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☑ Other DI H2O

Solvent Lot #

Analysis
- ☐ Diesel
- ☑ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Cu Filter	H_2SO_4	Observations
MB		40		40						
LCSG		"		"						
208312-01F		43		43						
-01G	MSG	"		"						
-01G	MSD	"		"						
MB 8125										
Initials										

Samples in Batch

208312-01				
-02				
-03				
-04				

Date/Initials

Matrix Spikes: 40 µL of 1000 ppm of GX Lot # 68·60C M68125
(Amount / Concentration / Analytes and Solvent)

Matrix Spikes: _____ µL of _____ ppm of _____ Lot # _____
(Amount / Concentration / Analytes and Solvent)

Surrogates: 1 µL of 520 ppm of 4BFB Lot # 67·45B
(Amount / Concentration / Analytes and Solvent)

Internal Standards: _____ µL of _____ ppm of _____ Lot # _____
(Amount / Concentration / Analytes and Solvent)

Notes: _____

TPH AS DIESEL/MOTOR OIL EXTRACTION WORKSHEET (WATER)

Project #: 208312
Client: Wood
QC Batch ID: 02-2025
Samples checked against COC ⊘

Date Received: 8/19/22
Date Extracted: 8-23-22
Date Analyzed:
GC ☑1 ☐4 ☐6, Seq. Date

Analysis Method:
☒ NWTPH-Dx
☐ 8015M
☐ AK102 [LCS/LCSD]
☐ AK103 [LCS/LCSD]
☐ Other

Calculation Range/Requested Analyte(s):
☐ C_{10} to C_{36} (Diesel Ext.)
☒ C_{10} to C_{36} (Diesel/Motor Oil)
☐ Other
☐ C_{10} to C_{25} (Diesel)
☐ C_{25} to C_{36} (Motor Oil)
☐ C_8 to C_{11} (Stoddard Solvent)

Clean Up:
☐ Silica Gel
☐ Filtration
☐ Other
☐ Only if Detect
☐ With and Without

Reporting Units:
☒ µg/L (ppb)
☐ Other

Extraction Method
☒ 3510

Due Date: 8/29

☒ ve's not Acceptable
☒ Dilutions Not Acceptable for Non-Detects
☐ Need EDF
☒ Print Cgrams

AUG 23 '22 AM07:48

Sample ID	pH	Sample Volume (mL)	Extraction Solvent Volume 3 x 60 ml	Final Vol mL (2.5) / 5	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up Silica	Clean Up Filter	Observations
01 (A)	<2	457							MS/MD
02	<2	463							
03	<2	449							
04	<2	435							
	⊘	⊘ 8/23	⊘ 8/23	⊘ 8/23					
Initials									

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	Methylene chloride 225-21	25 ⊘	⊘	8.23.22
Other							
Surrogate(s)		25 µl	1,000	Pentacosane/o-terphenyl	66-154	⊘	8.23.22
		50 µl	1,000	Pentacosane/o-terphenyl			
		25 µl	1,000	Triacontane/Pentacosane/o-terphenyl			
		50 µl	1,000	Triacontane/Pentacosane/o-terphenyl			
Acid (HCl)							

Project Leader Initials: M

NOTES: Tier IV

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 8-23-22 Technician: [signature]

QA Batch: **O2-2025**

AUG 23 '22 AM07:48

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Wipe
- ☐ Other

Solvent
- ☑ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other

Solvent Lot #225-21

Analysis
- ☑ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	Clean Up (Circle) FL Filter	Clean Up (Circle) Cu H_2SO_4	Observations
MB	≤2	500ml	1x35 2x15 ml	2.5ml						
LCS	≤2	500ml								
208312-01	MS ≤2	461								(C)
01	MD ≤2	453								(D)
	8/8/23	8/8/23	8/8/23	8/8/23						
Initials										

Samples in Batch

208310-01	208312-04			
208312-01	05			
02				
03				

Date/Initials

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Matrix Spikes:
25 µL of 50,000 ppm of WADF #2 Lot #65-122-G 8/23/22
Amount Concentration Analytes and Solvent

Surrogates:
25 µL of 1,000 ppm of Pentacosane/o-Terp Lot #66-154 _____
Amount Concentration Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Notes: _____

METALS BY ICP/MS EXTRACTION WORKSHEET (WATER)

Project #: 208312
Client: Wood
QC Batch ID: I2-586
Samples checked against COC: MS

Date Received: 8/19/22
Date Extracted: AUG 24 '22 AM 10:35
Date Analyzed: 08/25/22
Sequence Date: 08/24/22

Analysis Method: ☐ 200.8 ☒ 6020B ☐ Other_____
Matrix: ☒ Water ☐ Other_____
Requested Analyses: ☐ RCRA (8) ☐ MTCA (5) ☐ Priority Pollutant ☐ CAM 17 ☐ Other as Marked Below
Total or Dissolved: ☒ Total ☐ Dissolved ☐ Field Filtered ☐ Lab Filtered on: _____
Reporting Units: ☒ µg/L (ppb) ☐ Other_____

Analyte List: Be V (Cr) Mn Co (Ni) (Cu) (Zn) (As) Se Mo Ag Cd Sb Ba Tl (Pb) (Hg) Fe

☐ ve's not Acceptable
Due Date: 8/29
☐ Dilutions Not Acceptable for Non-Detects ☐ Need EDF

Sample ID	Initial pH	Sample Volume	Final Volume	Dilutions		Dilution Factor	Final pH	Observations
				Amt. Extract	Amt. Solvent			
01D	7	50 mL	50 mL					MS/MD
02	"	"	"					
03	"	"	"					
04	"	"	"					
MB 08/24/22								
Initials								
Fill in if acid added (16 hr check). →		Date/Time acid added to last sample				Date/Time final pH measured		

	✓	Volume	Conc.	Compound(s)	Lot #	Initials	Date
Reagent(s)		1 mL	approx. 70%	HNO_3	22S-07	ML	08/24/22
		10 µL	approx. 37%	HCl	22S-14	"	"
		100 µL	1,000 ppm	Au	I8-73A	"	"
Internal Standard(s)		30 ppb spiked at instr. to yield 10 ppb		See below for IS	I8-56B	N/A	
		10 µL per 10 mL sample	10 mg/L	^{6}Li, ^{45}Sc, ^{72}Ge, ^{89}Y, ^{115}In, ^{159}Tb, ^{165}Ho, ^{209}Bi			

Project Leader Initials: MM

NOTES: T to IV

Calculated by SP 08/26/22
Reviewed by [signature] 08/26/22

BATCH INORGANIC EXTRACTION WORKSHEET

Date Extracted: _____ Technician: WE

QA Batch: I2-0580

AUG 24 '22 AM10:35

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Solid
- ☐ _____

Reagent
- ☑ HNO_3 Lot # 225-07
- ☑ HCL Lot # 225-14
- ☐ H_2O_2 Lot # _____
- ☐ Hexane Lot # _____
- ☐ BrCl Lot # _____
- ☐ NH_2OH-HCl Lot # _____
- ☐ _____

Analysis
- ☐ Metals
- ☐ pH
- ☐ Specific Gravity
- ☑ Total
- ☐ TCLP Metals
- ☐ Turbidity
- ☐ Hg
- ☐ Dissolved
- ☐ TSS
- ☐ Hardness
- ☐ Other _____
- ☐ Other _____

Sample ID	pH TCLP Only	Sample Weight/ Volume	Reagent Volume 1	2	3	Final Volume	Dilutions Amt. Extract	Amt. Solvent	Observations
MB		50ml	1ml	10ml	10ml	5ml			
LCS		"	"	"	"	"			
208312-01	MS	"	"	"	"	"			
"	MSD	"	"	"	"	"			
WE 08124/22									
Initials									

Samples in Batch

208312-01	208257-01	" -05		
" -02	" -02	208342-01		
" -03	" -03	" -08		
" -04	" -04			

Matrix Spikes: 50 µL of 5-100 ppm of Water Spike (Amount / Concentration / Analytes and Solvent) Lot # IB-59A Date/Initials 08/24/22 WE

Matrix Spikes: 25 µL of 10 ppm of Hg (Amount / Concentration / Analytes and Solvent) Lot # I8-130 A

Internal Standard: on instr. µL of 0-05 ppm of IS (Amount / Concentration / Analytes and Solvent) Lot # I8-86 B

Notes: _____

VOC EXTRACTION WORKSHEET (WATER)

HT_____

Project #: 208312 | Date Received: 8/19/22

Client: Wood | Date Extracted: AUG 26 '22 PM12:08

QC Batch ID: 02-1950 | Date Analyzed: _____

Samples checked against COC JM | GCMS ☐4 ☒11 ☐13, Seq. Date _____

Analysis Method:
- ☒ 8260
- ☐ 8260 SIM
- ☐ 524.2 SIM
- ☐ Other_____

Requested Analytes:
- ☒ 8260 Normal List
- ☐ MTBE
- ☐ cVOCs
- ☐ PCE/Daughters
- ☐ BTEX
- ☐ BTEX+N
- ☐ 524.2 Normal List
- ☐ Other_____

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other_____

Extraction Method:
- ☒ 5030

Due Date: 8/29

- ☒ ve's not Acceptable
- ☒ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Foamy Sample	Observations
01 E	<2	43	43		mL			MS/MD
02								
03								
04								
8/26/22 DI								
01 R MS								
R MD								
8/26/22 DI								
Initials								

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	X	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			225-36		
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: M

NOTES: Tier II

Calculated by LM 8.29.22 Reviewed by YA 08/28/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 8/26/22 ~~[illegible]~~ 05:00 Technician: JLM

QA Batch: **O2-1950**

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☒ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamin
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Cu Filter	H_2SO_4	Observations
MB		43mL		43mL						
LCS		"		"						
LCSD		"		"						
8/26/22 JLM	—	—	—	—						
208343 -05	MS	"		"						
"	MSD	"		"						
208312 -01	MS	"		"						
"	MSD	"		"						
8/26/22 JLM	—	—	—	—	—					
Initials										

Samples in Batch

208411	-01	"	-04	"	-08	208312	-01	208326	-01		
208343	-01	"	-05	"	-09	"	-02	"	-02		
"	-02	"	-06	"	-10	"	-03	"	-03		
"	-03	"	-07	"	-11	"	-04	"	-04		

Date/Initials

Matrix Spikes:
8.6 µL of 50 ppm of 8260 CCV/LCS Lot # 67-74 A 8/26/22 JLM
Amount Concentration Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Surrogates:
5 µL of ~~250~~ 10 ppm of 8260 IS/SURR Lot # 66-106 A 8/26/22 JLM
Amount Concentration 8/26 JLM Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Notes: _____

SVOC EXTRACTION WORKSHEET (WATER)

HT 8/26

Project #: 208312 | Date Received: 8/19/22
Client: Wood | Date Extracted: 8-24-22
QC Batch ID: 02-2030 | Date Analyzed:
Samples checked against COC OW | ☑ GCMS 9 ☐ GCMS 12, Seq. Date

Analysis Method:	Requested Analytes:	Clean Up:	Reporting Units:	Extraction Method:
☑ 8270	☐ 8270 Normal List	☐ Silica Gel	☒ µg/L (ppb)	☒ 3510
☐ Other_____	☑ PAHs (basic only)	☐ Other_____	☐ Other_____	☐ Other_____
	☐ cPAHs (basic only)		AUG 24 '22 PM02:27	
	☐ PCP (acidic only)			
	☐ Other _____			

Due Date: 8/29 ☐ ve's not Acceptable ☐ Need EDF ☐ Dilutions Only Not Acceptable ☐ Acceptable Dilution: _____

Sample ID	pH 1st	pH 2nd	Sample Volume (1,000 mL)	Extraction Solvent Vo; (1x70, 5x30 mL) 1x35 5x15	Final Volume (1 mL)	Silica Gel (SG) Clean Up Done	Dilutions Amt. Extract	Dilutions Amt. Solvent	Dilution Factor	Observations
01K	<2	>11.5	461							~2 multiions MS/MD
02B	<2	>11.5	~~450~~ 443							2 emultiion
03B	<2	>11.5	467							2 emultiion
04B	<2	>11.5	468							2 emultiion
	NT 8/24	NT 8/24	OEW 8/24	8/24	HN 8/24					8/24
Initials										

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	Methylene chloride	225-21		8.24.22
Other							
Surrogate(s)		20 µL	500/750	BNA/SUR (to 1 mL extract)	67-40		8.24.22
		10 µL	500/750	BNA/SUR (to 0.5 mL extract)			
Other							
Internal		10 µL	80	SV/IS (to 100 µL extract)			
Standard(s)		10 µL	800	SV/IS (to 1 mL extract)	67-16	HN	8/24/22
Other		50 µL	80	SV/IS (to 0.5 mL extract)			

Project Leader Initials: M

NOTES: Tier II

Calculated by mm 08.25.22 Reviewed by YA 08/26/22

FORMS\LAB\EXTRACT\8270 Rev. 04/30/21

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 8-24-22 Technician: (8)

QA Batch: **O2-2030**

AUG 24 '22 PM02:27

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Wipe
- ☐ Other

Solvent
- ☑ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other

Solvent Lot #225-21

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☑ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Filter	Cu H_2SO_4	Observations
MB	<2 >11.5	1,000ml	1x 70 5x 30ml	1ml						
LCS	<2 >11.5	✓	✓	✓						
208312-01 LCSD (8) 8.24	<2 >11.5	4/61	1x 35 5x 15ml							MS (B)
208312-01	<2 >11.5	466								MD (L)
	NT 8/24	DW 8/24 (8) 8/22		(HN) 8/24						
Initials										

Samples in Batch

208312-01	208330-01	208330-05	208339-02	
02	02	06		
03	03	07		
04	04	208339-01		

Date/Initials

Matrix Spikes: 25 µL of 1,000 ppm of Benzoic acid — Lot # 67-53 — (8) 8/24/22
(Amount / Concentration / Analytes and Solvent)

Matrix Spikes: 50 µL of 100/400 ppm of 8270-MS — Lot # 67-52
(Amount / Concentration / Analytes and Solvent)

Surrogates: 20 µL of 500/750 ppm of 8270-SURR — Lot # 67-40 — (HN)
(Amount / Concentration / Analytes and Solvent)

Internal Standards: 10 µL of 800 ppm of SV-IS — Lot # 67-16 — 8/24/22
(Amount / Concentration / Analytes and Solvent)

Notes:

NWTPH-Gx
MDLs

MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8021B/NWTPH-Gx/8015
Matrix: water
Instrument ID: GC2
Reporting Units: ug/L

Standard(s) spikec 1ppm BTEX lot 63-124D, 100 ppm GAS lot 63-106D 40ml F.V
Volume spiked: 20 ul each standard
Date(s) Extracted: 5/25/21, 05/26/21, 06/16/21, 08/04/21, 09/20/21,10/13/21, 12/3
Date(s) Analyzed: 5/26/21, 05/27/21, 06/17/21, 08/05/21,09/21/21,10/14/21,12/30
Date Calculated: 5/27/21, 05/28/21, 06/18/21, 08/06/21,09/22/21,10/15/21,01/03
Calculation Analys AEN

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.	Spike<10x MDL?
Benzene	0.0970	0.194	0.485	0.0324	0.484	0.500	97	Yes
Toluene	0.0974	0.195	0.487	0.0325	0.513	0.500	103	Yes
Ethylbenzene	0.0550	0.110	0.275	0.0184	0.481	0.500	96	Yes
Total Xylenes	0.199	0.397	0.994	0.066	1.45	1.50	97	Yes
NW Gas/gasoline	15.4	30.7	76.9	5.13	57.1	50.0	114	Yes
8015 Gas/tphg	17.1	34.3	85.7	5.72	57.7	50.0	115	Yes

MDL Da

′ .

3021,02/08/22
)/21,02/09/22
3/21,02/10/22

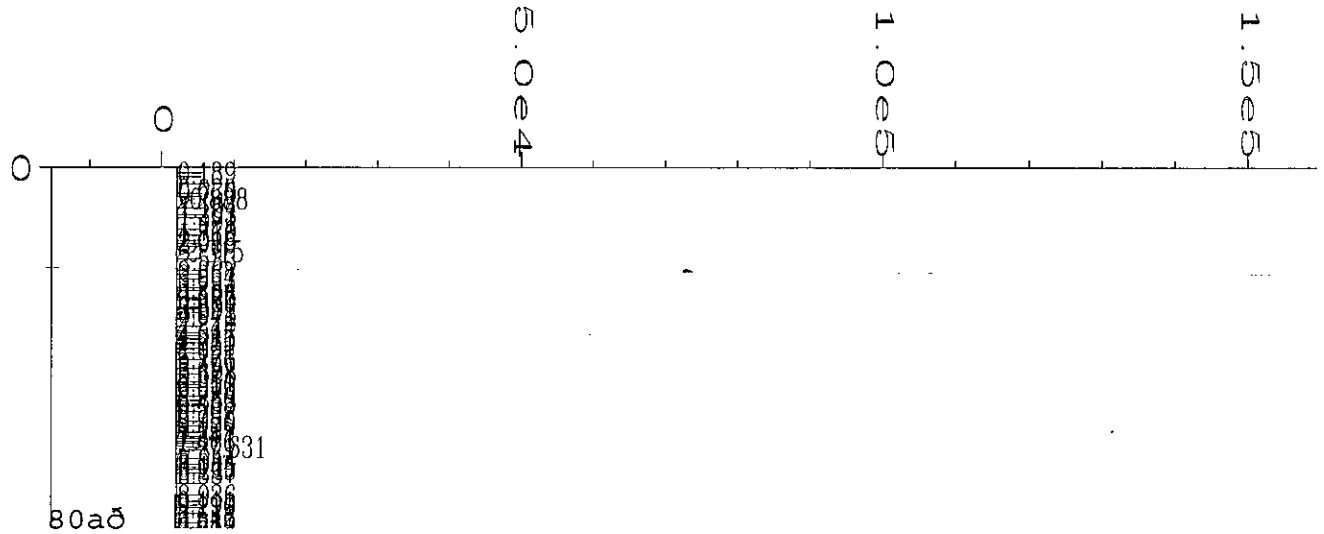
Analysis:
Matrix:
Instrumen
Reporting

Analyte

NWTPH-Gx
Initial Calibrations

C - 2			Seq Line		Vial #s				
equence Date:	7/25/22								
Standard ID									
Sample ID	25 S 65-167	50 S 65-167	75 S 65-167	100 S 65-167	125 S 65-167	150 S 65-167			
Concentration	25	50.00	75	100	125	150			
BFB-FID	29078	6.89E+04	1.12E+05	1.45E+05	1.71E+05	2.17E+05			
BFB-PID	376087	8.86E+05	1.42E+06	1.89E+06	2.36E+06	2.94E+06			
Benzene-FID	1204	6.06E+02	1.41E+03	4.87E+02	4.24E+02	5.17E+02			
Benzene-PID	1158	1.47E+03	1.07E+03	1.73E+03	2.80E+02	3.98E+02			
Toluene-FID	1163	8.54E+02	7.63E+02	6.00E+02	1.16E+03	6.96E+02			
Toluene-PID	941	8.90E+02	8.66E+02	7.48E+02	1.74E+03	1.03E+03			
Ethylbenzene-FID	1.30E+03	0.00E+00	3.49E+02	4.89E+02	0.00E+00	0.00E+00			
Ethylbenzene-PID	1438	1.24E+03	5.94E+02	6.43E+02	0.00E+00	5.54E+02			
m,p-Xylenes-FID	702	0.00E+00	0.00E+00	3.12E+02	0.00E+00	2.87E+02			
m,p-Xylenes-PID	1957	1.23E+03	1.75E+03	7.75E+02	3.82E+03	1.65E+03			
o-Xylene-FID	422	5.78E+02	6.38E+02	0.00E+00	1.06E+03	8.96E+02			
o-Xylene-PID	632	1.13E+03	4.15E+02	2.86E+02	7.02E+02	5.34E+02			
MTBE-FID	0	0.00E+00	0.00E+00	1.45E+02	0.00E+00	1.67E+03			
MTBE-PID	3120	1.59E+03	8.80E+02	2.89E+02	1.76E+03	0.00E+00			
Gasoline CA/NW-FID	3.97E+04	2.56E+04	4.32E+04	3.28E+04	5.05E+04	5.22E+04			
Gasoline CA/NW-PID	6.00E+04	8.00E+04	6.48E+04	2.90E+04	5.15E+04	6.47E+04			
End of C10-end of C12	6.75E+03	-4.35E+04	-7.35E+04	-1.16E+05	-1.44E+05	-1.88E+05			
Gasoline AK-PID	-3.52E+05	-8.59E+05	-1.40E+06	-1.88E+06	-2.34E+06	-2.92E+06			
SPONSE FACTORS									
								Avg FID	%RSD
BFB-FID	1163	1379	1494	1445	1364	1445	#DIV/0!	1.38E+03	8%
BFB-PID	15043	17724	18917	18941	18920	19604	#DIV/0!	1.82E+04	9%
Benzene-FID	48	12	19	5	3	3	#DIV/0!	1.51E+01	114%
Benzene-PID	46	29	14	17	2	3	#DIV/0!	1.87E+01	90%
Toluene-FID	47	17	10	6	9	5	#DIV/0!	1.56E+01	101%
Toluene-PID	38	18	12	7	14	7	#DIV/0!	1.59E+01	72%
Ethylbenzene-FID	52	0	5	5	0	0	#DIV/0!	1.02E+01	201%
Ethylbenzene-PID	58	25	8	6	0	4	#DIV/0!	1.67E+01	130%
m,p-Xylenes-FID	14	0	0	2	0	1	#DIV/0!	2.76E+00	202%
m,p-Xylenes-PID	39	12	12	4	15	5	#DIV/0!	1.46E+01	87%
o-Xylene-FID	17	12	9	0	8	6	#DIV/0!	8.56E+00	66%
o-Xylene-PID	25	23	6	3	6	4	#DIV/0!	1.09E+01	93%
MTBE-FID	0	0	0	1	0	11	#DIV/0!	2.10E+00	213%
MTBE-PID	125	32	12	3	14	0	#DIV/0!	3.09E+01	153%
Gasoline NW-FID	1586	512	576	328	404	348	#DIV/0!	6.26E+02	77%
Gasoline NW-PID	2401	1600	864	290	412	431	#DIV/0!	1.00E+03	84%
End of C10-End of C12	270	-869	-981	-1156	-1151	-1257	#DIV/0!	-8.57E+02	-66%
Gasoline CA/AK-PID	-14080	-17174	-18614	-18763	-18722	-19438	#DIV/0!	-1.78E+04	-11%
Calculated by:	JL 07/26/22				Reviewed by:				
Excel Spread sheet updated (Y/N)									
			Initia	Date/Time					

Calculated Concentrations	25.0	50	75	100	125	150	0		
BFB-FID	21	50	81	105	123	157	0		
BFB-PID	21	49	78	104	130	162	0		
Benzene-FID	79.56	40.0	93.2	32	28	34	0		
Benzene-PID	61.94	78.6	57.2	93	15	21	0		
Toluene-FID	74.46	54.7	48.8	38	74	45	0		
Toluene-PID	59.27	56.1	54.5	47	110	65	0		
Ethylbenzene-FID	126.68	0.0	34.1	48	0	0	0		
Ethylbenzene-PID	85.92	74.3	35.5	38	0	33	0		
m,p-Xylenes-FID	254.40	0.0	0.0	113	0	104	0		
m,p-Xylenes-PID	133.70	84.2	119.8	53	261	113	0		
o-Xylene-FID	49.28	67.5	74.5	0	123	105	0		
o-Xylene-PID	57.90	103.7	38.0	26	64	49	0		
MTBE-FID	0.00	0.0	0.0	69	0	796	0		
MTBE-PID	100.97	51.6	28.5	9	57	0	0		
Gasoline CA/NW-FID	63.38	40.9	69.1	52	81	83	0		
Gasoline CA/NW-PID	60.05	80.0	64.8	29	51	65	0		
End of C10-End of C12	-7.88	50.69	85.8	135	167.90	220	0		
Gasoline AK-PID	19.78	48.2	78.4	105	131	164	0		



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\026F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 25 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:11 PM
Report Created on: 26 Jul 22 07:58 AM

Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\07-25-22\026F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.189	111	63	PB	0.029	0.0898
2	0.629	733	83	BV	0.150	0.5954
3	0.750	307	152	PV	0.036	0.2495
4	0.888	17385	1772	VV	0.149	14.1298
5	1.104	2088	243	VV	0.143	1.6969
6	1.303	582	152	VV	0.064	0.4734
7	1.471	2312	197	VV	0.196	1.8795
8	1.770	816	161	VV	0.074	0.6630
9	1.866	791	123	VV	0.110	0.6428
10	2.016	473	139	VV	0.051	0.3845
11	2.080	464	126	VV	0.061	0.3773
12	2.315	9753	1264	VV	0.114	7.9266
13	2.533	1819	173	VV	0.176	1.4783
14	2.867	653	131	VV	0.068	0.5308
15	2.964	570	134	VV	0.062	0.4636
16	3.093	1204	139	VV	0.144	0.9782
17	3.284	479	143	VV	0.056	0.3895
18	3.496	1344	178	VV	0.101	1.0921
19	3.576	226	94	PV	0.039	0.1837
20	3.680	1013	151	VV	0.091	0.8233

Data File Name : C:\HPCHEM\2\DATA\07-25-22\026F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 25 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:11 PM
Report Created on: 26 Jul 22 07:58 AM

Page Number : 2
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.831	272	122	VV	0.037	0.2211
22	3.892	779	219	VV	0.059	0.6329
23	3.973	392	160	VV	0.041	0.3187
24	4.042	1408	150	PV	0.157	1.1447
25	4.344	757	132	PV	0.096	0.6153
26	4.547	433	164	VV	0.044	0.3516
27	4.615	417	134	VV	0.050	0.3389
28	4.735	556	133	VV	0.070	0.4519
29	4.851	769	106	VV	0.121	0.6246
30	4.951	548	119	VV	0.077	0.4455
31	5.173	986	116	VV	0.142	0.8012
32	5.266	1163	160	VV	0.121	0.9455
33	5.481	981	200	VV	0.082	0.7977
34	5.628	1118	180	VV	0.103	0.9084
35	5.851	315	117	VV	0.045	0.2562
36	5.950	505	152	VV	0.049	0.4108
37	6.013	958	103	VV	0.155	0.7788
38	6.286	783	159	PV	0.084	0.6367
39	6.363	615	181	VV	0.057	0.4995
40	6.453	273	105	VV	0.043	0.2220
41	6.567	739	143	VV	0.086	0.6010
42	6.732	1296	129	VV	0.168	1.0536
43	6.930	702	140	VV	0.084	0.5709
44	7.127	841	138	VV	0.083	0.6835
45	7.227	422	128	PV	0.055	0.3432
46	7.317	230	92	VV	0.041	0.1868
47	7.371	339	109	VV	0.052	0.2754
48	7.466	171	105	PV	0.027	0.1387
49	7.631	29078	4469	PV	0.096	23.6335
50	7.944	1427	228	VV	0.104	1.1602
51	8.084	508	157	VV	0.054	0.4129
52	8.145	446	146	VV	0.051	0.3623
53	8.225	562	128	VV	0.073	0.4572
54	8.337	972	142	VB	0.114	0.7897
55	8.936	1327	203	PV	0.109	1.0784
56	9.111	694	168	VV	0.069	0.5645
57	9.190	522	185	VV	0.047	0.4239
58	9.279	1004	183	VV	0.091	0.8163
59	9.545	1707	144	VV	0.198	1.3876
60	9.689	915	158	VV	0.096	0.7440
61	9.811	582	161	VV	0.060	0.4732
62	9.903	976	117	VV	0.139	0.7931
63	10.281	1872	180	VV	0.166	1.5215
64	10.383	1275	170	VV	0.125	1.0360
65	10.745	1050	166	VV	0.089	0.8533
66	10.973	781	145	VV	0.093	0.6348
67	11.177	1108	225	VV	0.082	0.9007
68	11.317	740	117	VV	0.105	0.6016
69	11.504	588	164	VV	0.060	0.4782
70	11.604	1144	137	VV	0.140	0.9300
71	11.883	762	141	VV	0.094	0.6192
72	12.050	1137	150	VV	0.126	0.9238
73	12.181	1023	163	VV	0.108	0.8316
74	12.336	601	166	VV	0.061	0.4889

Data File Name : C:\HPCHEM\2\DATA\07-25-22\026F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 25 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:11 PM
Report Created on: 26 Jul 22 07:58 AM

Page Number : 3
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	12.482	604	175	PV	0.057	0.4913
76	12.553	410	138	VV	0.049	0.3328
77	12.663	1866	155	VV	0.200	1.5163
78	13.019	357	113	VV	0.052	0.2898
79	13.384	1058	117	VV	0.170	0.8595
80	13.506	456	105	VV	0.068	0.3709
81	13.600	425	144	PV	0.049	0.3457
82	13.698	805	95	VV	0.141	0.6543
83	13.907	926	87	VV	0.177	0.7525
84	14.211	355	72	VV	0.082	0.2889
85	14.298	350	76	PV	0.077	0.2848
86	14.576	410	91	PV	0.084	0.3332
87	15.053	283	51	PV	0.079	0.2297
88	15.246	38	39	PV	0.016	0.0306

Total area = 123036

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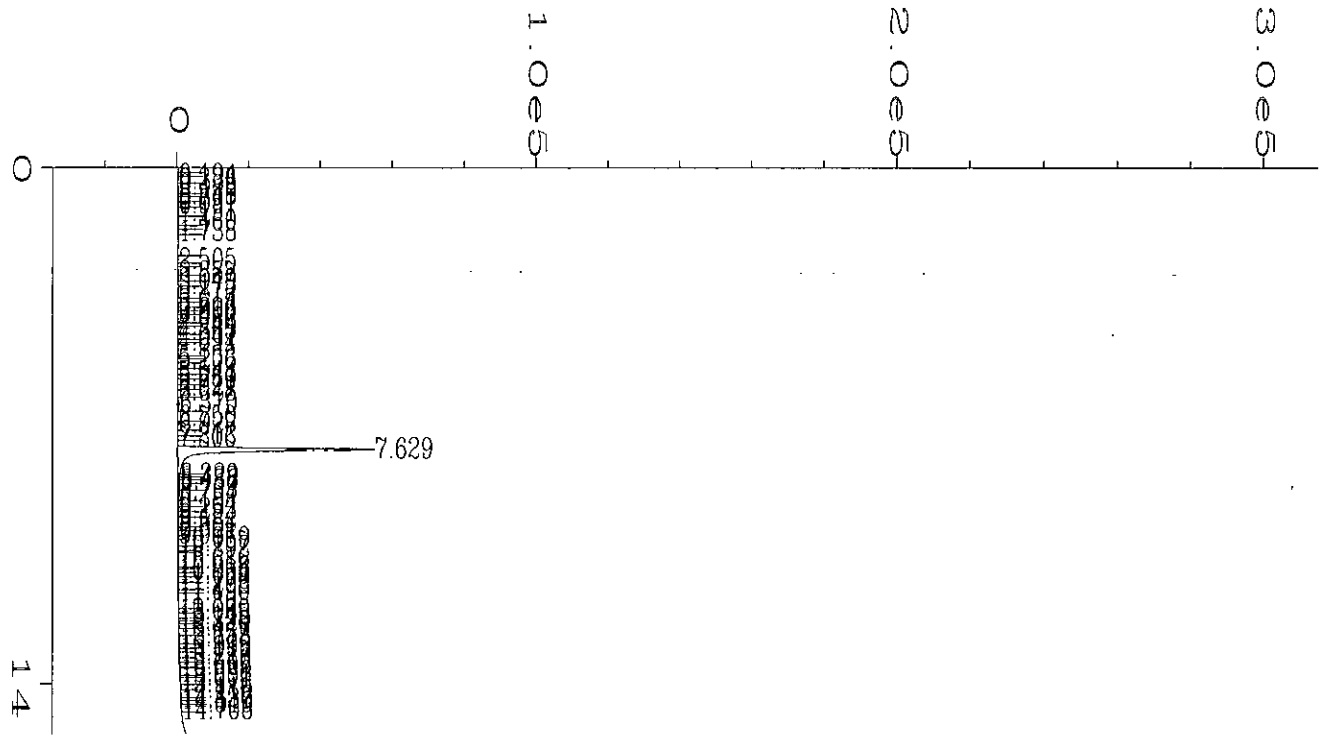

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\026R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 25 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:11 PM
Report Created on: 26 Jul 22 07:58 AM

Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\07-25-22\026R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.194	368	80	PV	0.067	0.0795
2	0.328	555	126	VV	0.068	0.1200
3	0.498	1338	127	PV	0.173	0.2891
4	0.748	619	200	VV	0.052	0.1338
5	0.891	1097	177	VV	0.103	0.2370
6	0.997	1265	222	VV	0.085	0.2734
7	1.191	1558	185	VV	0.141	0.3366
8	1.460	1856	170	VV	0.138	0.4012
9	1.738	480	98	PV	0.087	0.1037
10	2.505	652	119	PV	0.092	0.1409
11	2.857	1158	121	PV	0.131	0.2503
12	3.049	521	77	VV	0.096	0.1126
13	3.175	204	52	VB	0.065	0.0440
14	3.614	357	112	PV	0.053	0.0771
15	3.713	942	136	VV	0.102	0.2035
16	3.826	550	131	VV	0.062	0.1189
17	3.900	670	166	VV	0.063	0.1447
18	4.086	1541	152	VV	0.169	0.3330
19	4.244	493	133	VV	0.056	0.1065
20	4.385	1432	156	VV	0.130	0.3094

21	4.547	736	120	VV	0.092	0.1591
22	4.694	521	116	VV	0.068	0.1126
23	5.133	371	132	VV	0.047	0.0802
24	5.206	941	183	VV	0.086	0.2035
25	5.544	663	125	PV	0.081	0.1433
26	5.680	666	127	VV	0.080	0.1440
27	5.749	543	120	VV	0.065	0.1173
28	5.921	433	134	PV	0.063	0.0937
29	6.048	968	120	PV	0.116	0.2092
30	6.370	5145	487	VV	0.145	1.1119
31	6.750	1438	120	VV	0.185	0.3108
32	6.927	1957	225	VV	0.117	0.4230
33	7.212	632	106	PV	0.099	0.1366
34	7.306	554	112	VV	0.082	0.1197
35	7.629	376087	55414	VV	0.099	81.2780
36	8.329	2964	658	VV	0.064	0.6406
37	8.423	2534	591	VV	0.062	0.5477
38	8.486	3309	575	VV	0.096	0.7151
39	8.703	4764	468	VV	0.136	1.0295
40	8.784	5450	466	VV	0.152	1.1777
41	9.104	2888	304	VV	0.125	0.6241
42	9.253	1558	279	VV	0.079	0.3366
43	9.424	1690	247	VV	0.114	0.3653
44	9.584	2826	225	VV	0.210	0.6107
45	9.801	708	197	VV	0.060	0.1530
46	9.957	1205	214	VV	0.100	0.2604
47	10.059	939	171	VV	0.091	0.2030
48	10.157	1163	146	VV	0.107	0.2514
49	10.292	676	142	VV	0.079	0.1461
50	10.616	3120	212	VV	0.225	0.6743
51	10.856	202	107	VV	0.032	0.0437
52	10.934	674	174	VV	0.057	0.1457
53	11.039	539	112	VV	0.075	0.1164
54	11.170	543	150	PV	0.058	0.1175
55	11.298	1295	167	PV	0.102	0.2799
56	11.490	348	116	VV	0.046	0.0753
57	11.803	1562	133	VV	0.157	0.3377
58	12.009	261	71	PV	0.062	0.0565
59	12.145	385	132	VV	0.050	0.0832
60	12.258	253	102	PV	0.041	0.0546
61	12.329	350	109	VV	0.049	0.0756
62	12.447	626	108	VV	0.081	0.1354
63	12.653	554	128	PV	0.072	0.1197
64	12.748	685	109	VV	0.087	0.1481
65	12.998	545	140	PV	0.065	0.1179
66	13.117	600	119	VV	0.086	0.1297
67	13.225	788	113	VV	0.100	0.1704
68	13.346	317	84	VV	0.055	0.0684
69	13.505	966	182	PV	0.075	0.2089
70	13.686	1930	170	VV	0.170	0.4171
71	13.801	342	139	VV	0.041	0.0740
72	13.975	1289	129	VV	0.140	0.2785
73	14.116	809	143	VV	0.094	0.1748
74	14.357	725	98	PV	0.107	0.1566
75	14.420	176	71	PV	0.041	0.0379
76	14.519	272	78	VV	0.054	0.0588
77	14.706	575	89	VV	0.104	0.1243

Total area = 462717

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\07-25-22\026R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\07-25-22\026F0101.D

Operator : jeb Page Number : 1

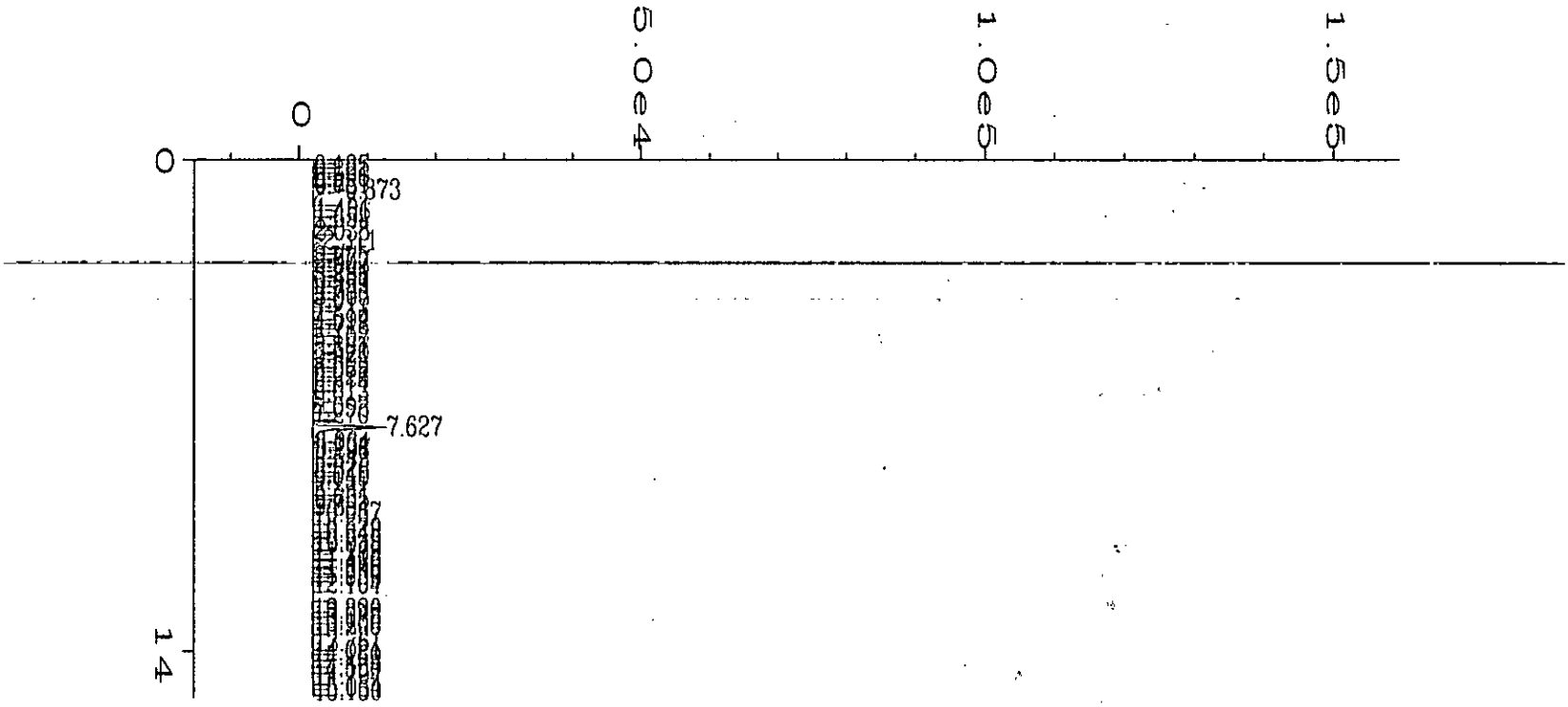
Instrument : GC2 Vial Number : 26

Sample Name : 25 S 65-167 Injection Number : 1

Acquired on : 25-Jul-22 4:11 PM

Report Created on: 26 Jul 22 07:58 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
21	FID	7.631	29078	1.38E+05
21	PID	7.629	376087	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.25 ppb	FID	3.284	1204	4.82E+03
0.05 ppb	PID	3.175	1158	2.57E+04
Toluene				
0.25 ppb	FID	5.266	1163	4.71E+03
0.04 ppb	PID	5.206	941	2.51E+04
Ethylbenzene				
0.36 ppb	FID	6.732	1296	3.56E+03
0.08 ppb	PID	6.750	1438	1.91E+04
m,p-Xylenes				
0.17 ppb	FID	6.930	702	4.03E+03
0.07 ppb	PID	6.927	1957	2.65E+04
o-Xylene				
0.10 ppb	FID	7.317	422	4.40E+03
0.02 ppb	PID	7.306	632	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.07 ppb	PID	11.039	3120	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
30.65 ppb	FID		39654	1.29E+03
9.93 ppb	PID		60030	6.04E+03
AK 101 Gasoline C6-C10				
5.87 ppb	FID		6751	1.15E+03
143.89 ppb	PID		-351999	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\027F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 50 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:39 PM
Report Created on: 26 Jul 22 07:59 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\07-25-22\027F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.185	344	140	BV	0.041	0.2028
2	0.321	352	103	PV	0.052	0.2080
3	0.506	222	96	VV	0.039	0.1313
4	0.681	494	92	VV	0.089	0.2917
5	0.737	247	101	VV	0.041	0.1458
6	0.873	41257	4685	VV	0.140	24.3508
7	1.401	1120	202	VV	0.092	0.6608
8	1.466	1380	203	VV	0.113	0.8147
9	1.654	896	118	VB	0.127	0.5291
10	2.038	223	75	BV	0.067	0.1318
11	2.311	10607	1348	PV	0.120	6.2605
12	2.775	757	99	VV	0.127	0.4469
13	2.867	397	126	VV	0.052	0.2344
14	2.963	406	110	VV	0.061	0.2399
15	3.281	606	135	VV	0.075	0.3577
16	3.335	235	107	VV	0.036	0.1384
17	3.407	451	133	VV	0.052	0.2665
18	3.559	652	120	VV	0.077	0.3849
19	3.733	766	132	VV	0.097	0.4520
20	3.903	972	148	PV	0.091	0.5736

Data File Name : C:\HPCHEM\2\DATA\07-25-22\027F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 50 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:39 PM
Report Created on: 26 Jul 22 07:59 AM

Page Number : 2
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.017	881	139	VV	0.106	0.5200
22	4.514	1034	147	VV	0.117	0.6104
23	4.597	555	116	VV	0.080	0.3274
24	4.718	458	79	VV	0.097	0.2703
25	5.107	854	121	VV	0.118	0.5041
26	5.367	895	109	VV	0.115	0.5285
27	5.520	162	96	VV	0.028	0.0956
28	5.574	535	121	VV	0.073	0.3157
29	5.969	362	104	VV	0.057	0.2139
30	6.072	533	104	PV	0.085	0.3148
31	6.225	495	114	VV	0.073	0.2921
32	6.374	937	123	VV	0.150	0.5533
33	6.613	257	119	VV	0.036	0.1518
34	7.092	1103	115	PV	0.202	0.6512
35	7.270	578	76	VV	0.128	0.3412
36	7.627	68940	10814	VV	0.094	40.6894
37	8.064	894	251	VV	0.059	0.5279
38	8.131	1136	232	VV	0.082	0.6706
39	8.237	566	238	VV	0.040	0.3341
40	8.296	1945	213	VV	0.152	1.1480
41	8.543	1064	189	VV	0.094	0.6281
42	8.826	1095	143	VV	0.127	0.6462
43	8.948	530	168	VV	0.053	0.3129
44	9.045	591	124	VV	0.079	0.3491
45	9.151	424	122	VV	0.058	0.2502
46	9.631	377	152	VV	0.041	0.2223
47	9.705	693	150	PV	0.077	0.4089
48	9.894	461	160	VV	0.049	0.2722
49	10.067	204	75	PV	0.045	0.1202
50	10.529	483	93	BV	0.087	0.2853
51	10.648	416	79	PV	0.087	0.2457
52	10.855	418	109	PV	0.064	0.2466
53	10.948	983	169	VB	0.097	0.5801
54	11.199	510	115	BV	0.074	0.3010
55	11.308	506	124	VV	0.068	0.2988
56	11.415	242	115	VV	0.035	0.1426
57	11.473	559	135	PV	0.069	0.3301
58	11.630	270	111	VV	0.041	0.1594
59	11.696	477	85	VV	0.093	0.2816
60	11.830	328	131	PV	0.042	0.1937
61	11.903	482	83	VV	0.097	0.2846
62	12.104	442	92	PB	0.080	0.2611
63	12.830	1477	131	PV	0.188	0.8720
64	12.973	614	103	VV	0.099	0.3621
65	13.085	331	87	VV	0.063	0.1953
66	13.160	561	131	VV	0.071	0.3310
67	13.306	1520	132	PV	0.221	0.8970
68	13.761	2208	160	VV	0.230	1.3030
69	14.021	632	118	VV	0.086	0.3733
70	14.160	810	120	VV	0.112	0.4783
71	14.438	970	112	VV	0.145	0.5725
72	14.509	744	150	VV	0.083	0.4390
73	14.704	1532	160	PV	0.159	0.9040
74	15.054	540	95	VV	0.082	0.3189

Data File Name : C:\HPCHEM\2\DATA\07-25-22\027F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 50 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:39 PM
Report Created on: 26 Jul 22 07:59 AM

Page Number : 3
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	15.150	426	91	PV	0.078	0.2512	

Total area = 169430

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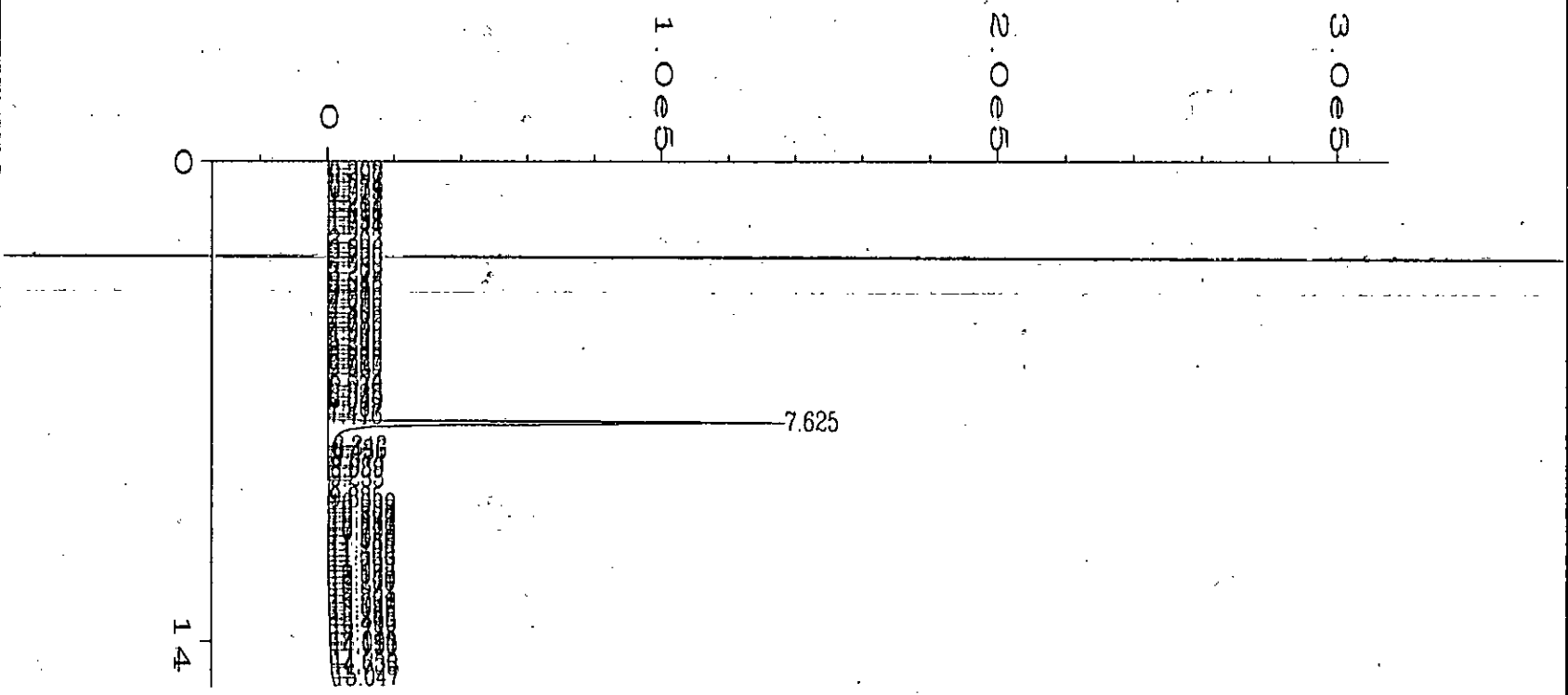

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\027R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 50 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 04:39 PM
Report Created on: 26 Jul 22 07:59 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\07-25-22\027R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.308	390	84	BV	0.068	0.0392
2	0.397	173	52	PB	0.056	0.0174
3	0.674	309	91	PV	0.052	0.0311
4	0.774	306	94	PV	0.058	0.0307
5	0.839	1009	110	VV	0.139	0.1014
6	1.021	295	88	VB	0.056	0.0296
7	1.212	664	86	BV	0.128	0.0667
8	1.401	142	96	PV	0.025	0.0143
9	1.478	379	91	VV	0.069	0.0381
10	1.691	387	91	PV	0.077	0.0389
11	1.758	311	109	VV	0.047	0.0312
12	1.844	375	104	VV	0.059	0.0377
13	2.303	1449	178	VV	0.111	0.1456
14	2.596	1485	140	PV	0.182	0.1492
15	2.736	1047	151	VV	0.090	0.1052
16	2.825	686	150	VV	0.076	0.0689
17	3.209	1464	167	PV	0.115	0.1471
18	3.277	1469	169	VV	0.145	0.1476
19	3.548	686	121	VV	0.081	0.0689
20	3.650	777	149	VV	0.091	0.0781

21	3.783	381	135	VV	0.047	0.0383
22	4.010	1554	146	VV	0.163	0.1561
23	4.095	335	111	VV	0.051	0.0337
24	4.308	984	114	VV	0.150	0.0989
25	4.463	395	121	VV	0.054	0.0397
26	4.670	841	134	PV	0.091	0.0845
27	4.785	605	137	VV	0.073	0.0608
28	4.906	527	109	VV	0.081	0.0530
29	4.983	1115	126	VV	0.148	0.1121
30	5.246	890	147	VV	0.101	0.0894
31	5.398	506	88	PV	0.096	0.0509
32	5.555	350	92	VV	0.063	0.0352
33	5.720	298	60	PV	0.082	0.0300
34	5.777	132	73	PV	0.030	0.0132
35	5.828	204	59	VV	0.058	0.0205
36	5.985	292	78	PV	0.062	0.0293
37	6.374	4170	404	BV	0.143	0.4191
38	6.570	527	121	VV	0.072	0.0529
39	6.825	1243	172	PV	0.121	0.1249
40	6.940	1233	246	VV	0.069	0.1239
41	7.025	393	117	VV	0.056	0.0395
42	7.207	1132	85	VV	0.171	0.1138
43	7.416	318	84	VV	0.057	0.0319
44	7.625	886189	137323	VV	0.095	89.0525
45	8.343	7434	1407	VV	0.088	0.7470
46	8.436	13067	1209	VV	0.180	1.3131
47	8.674	12017	931	VV	0.215	1.2076
48	8.939	2588	614	VV	0.070	0.2601
49	8.989	6688	597	VV	0.187	0.6720
50	9.233	3042	473	VV	0.107	0.3057
51	9.835	1625	235	VV	0.112	0.1633
52	10.009	2180	247	VV	0.135	0.2190
53	10.203	1284	247	VV	0.072	0.1290
54	10.304	903	228	VV	0.062	0.0908
55	10.373	695	209	VV	0.055	0.0698
56	10.437	964	209	VV	0.077	0.0969
57	10.641	1594	206	VV	0.119	0.1602
58	10.733	446	143	VV	0.047	0.0449
59	10.799	1120	166	VV	0.097	0.1125
60	11.040	1245	131	VV	0.158	0.1251
61	11.159	307	132	VV	0.039	0.0309
62	11.296	643	117	VV	0.092	0.0646
63	11.389	517	66	PV	0.103	0.0520
64	11.530	444	68	VV	0.109	0.0446
65	11.709	614	87	VV	0.093	0.0617
66	11.903	655	132	VV	0.082	0.0658
67	12.083	1126	164	PV	0.097	0.1131
68	12.148	256	100	VV	0.042	0.0257
69	12.269	320	90	PV	0.055	0.0322
70	12.371	1004	149	VV	0.108	0.1009
71	12.583	1185	151	VV	0.130	0.1191
72	12.761	1051	138	VV	0.121	0.1057
73	12.923	494	120	PV	0.069	0.0497
74	13.046	552	123	VV	0.075	0.0555
75	13.128	493	115	VV	0.065	0.0495
76	13.295	591	136	PV	0.077	0.0594
77	13.346	188	103	VV	0.030	0.0189
78	13.490	1362	183	VV	0.098	0.1369
79	13.732	1561	121	VV	0.161	0.1569
80	14.014	1998	159	VV	0.165	0.2008
81	14.093	616	176	VV	0.057	0.0619
82	14.150	892	146	VV	0.102	0.0897

83	14.650	1999	117	PV	0.284	0.2009
84	14.735	120	45	PV	0.042	0.0120
85	15.047	833	96	PV	0.118	0.0837

Total area = 995132

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\07-25-22\027R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\07-25-22\027F0101.D

Operator : jeb Page Number : 1

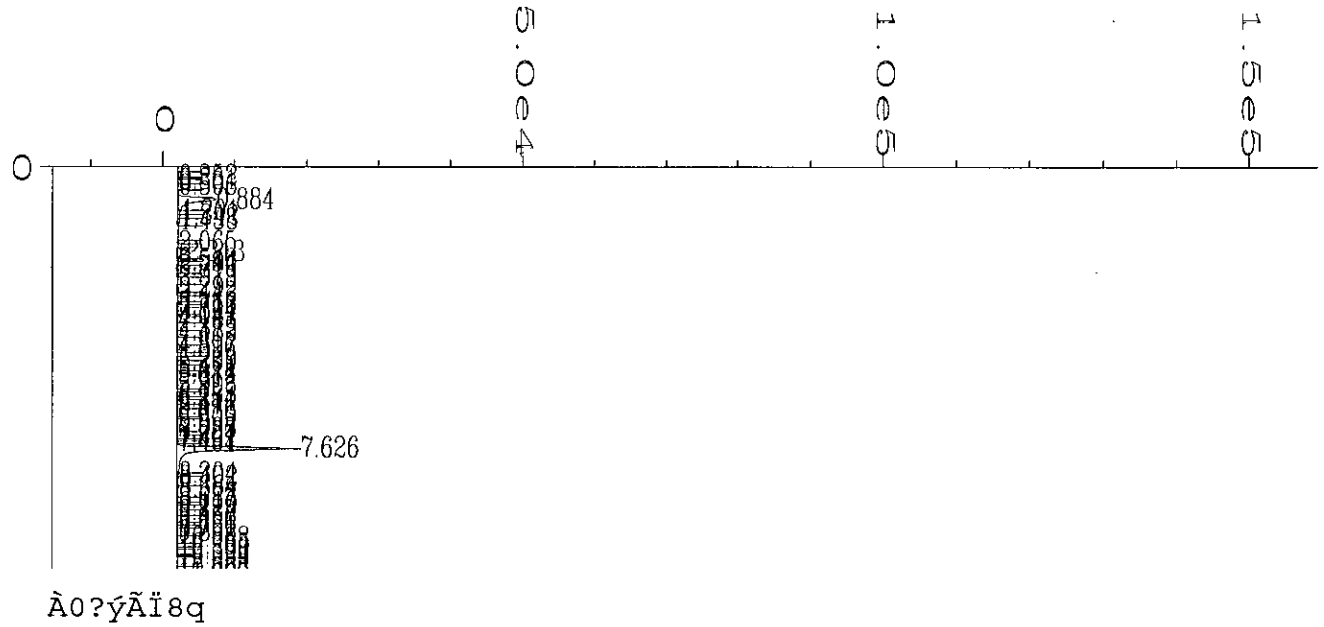
Instrument : GC2 Vial Number : 27

Sample Name : 50 S 65-167 Injection Number : 1

Acquired on : 25-Jul-22 4:39 PM

Report Created on: 26 Jul 22 07:59 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
50	FID	7.627	68940	1.38E+05
49	PID	7.625	886189	1.82E+06
Benzene		Actual Time	Area	AL: FACTOR
0.13 ppb	FID	3.281	606	4.82E+03
0.06 ppb	PID	3.277	1469	2.57E+04
Toluene				
0.18 ppb	FID	5.107	854	4.71E+03
0.04 ppb	PID	5.246	890	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.07 ppb	PID	6.825	1243	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.05 ppb	PID	6.940	1233	2.65E+04
o-Xylene				
0.13 ppb	FID	7.270	578	4.40E+03
0.04 ppb	PID	7.207	1132	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.04 ppb	PID	11.040	1594	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
19.79 ppb	FID		25601	1.29E+03
13.24 ppb	PID		80020	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-43452	1.15E+03
351.03 ppb	PID		-858701	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\028F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 75 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:08 PM
Report Created on: 26 Jul 22 08:00 AM

Page Number : 1
Vial Number : 28
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\07-25-22\028F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.252	694	146	PV	0.079	0.2854
2	0.361	505	119	VV	0.071	0.2079
3	0.506	796	161	VV	0.082	0.3274
4	0.884	53720	5380	VV	0.156	22.0919
5	1.201	2115	371	VV	0.095	0.8698
6	1.342	1433	330	VV	0.068	0.5894
7	1.438	2713	280	VV	0.141	1.1156
8	2.065	702	155	VV	0.075	0.2887
9	2.313	10102	1302	VV	0.116	4.1543
10	2.543	468	176	VV	0.044	0.1926
11	2.594	879	219	VV	0.067	0.3616
12	2.719	1351	139	VV	0.148	0.5554
13	2.979	675	169	VV	0.066	0.2776
14	3.292	1411	157	VV	0.156	0.5801
15	3.442	506	150	VV	0.056	0.2081
16	3.713	451	181	VV	0.042	0.1856
17	3.756	413	154	VV	0.045	0.1697
18	3.894	1305	158	VV	0.126	0.5365
19	4.041	301	126	VV	0.040	0.1240
20	4.123	1076	163	VV	0.101	0.4425

Data File Name : C:\HPCHEM\2\DATA\07-25-22\028F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 75 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:08 PM
Report Created on: 26 Jul 22 08:00 AM

Page Number : 2
Vial Number : 28
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.375	1239	187	VV	0.111	0.5094
22	4.482	1054	161	VV	0.109	0.4336
23	4.817	1281	195	VV	0.110	0.5267
24	4.896	1207	131	VV	0.119	0.4963
25	5.229	763	196	VV	0.055	0.3137
26	5.290	715	151	VV	0.079	0.2938
27	5.471	970	155	VV	0.105	0.3989
28	5.574	600	160	VV	0.057	0.2469
29	5.645	437	132	VV	0.055	0.1797
30	5.906	2154	199	VV	0.180	0.8857
31	6.175	766	176	VV	0.074	0.3152
32	6.254	507	133	VV	0.064	0.2084
33	6.341	989	202	VV	0.071	0.4068
34	6.472	846	182	VV	0.077	0.3479
35	6.630	1302	152	VV	0.143	0.5355
36	6.800	349	185	PV	0.031	0.1434
37	7.095	2432	205	VV	0.198	1.0002
38	7.204	638	160	VV	0.067	0.2625
39	7.307	484	140	VV	0.058	0.1989
40	7.401	382	145	VV	0.042	0.1573
41	7.464	436	149	PV	0.049	0.1793
42	7.626	112038	17331	VV	0.094	46.0742
43	8.304	1201	272	VV	0.074	0.4938
44	8.402	3064	257	VV	0.199	1.2602
45	8.664	3018	259	VV	0.194	1.2413
46	8.987	1164	210	VV	0.075	0.4786
47	9.110	716	224	VV	0.053	0.2943
48	9.223	891	162	VV	0.089	0.3663
49	9.327	1040	143	VV	0.106	0.4277
50	9.466	1217	186	VV	0.109	0.5004
51	9.666	587	156	VV	0.063	0.2413
52	9.761	321	121	VV	0.044	0.1320
53	9.893	1080	145	VV	0.124	0.4443
54	10.063	959	144	VV	0.111	0.3943
55	10.255	507	126	VV	0.067	0.2084
56	10.330	314	121	PV	0.043	0.1291
57	10.398	678	143	VV	0.079	0.2790
58	10.534	342	148	VV	0.038	0.1405
59	10.903	539	114	VV	0.070	0.2215
60	11.000	186	91	VV	0.034	0.0763
61	11.065	364	102	VV	0.053	0.1495
62	11.239	520	92	PV	0.090	0.2138
63	11.411	168	61	VV	0.046	0.0691
64	11.517	286	68	VV	0.070	0.1176
65	11.745	151	70	VB	0.036	0.0621
66	12.180	851	97	PV	0.120	0.3501
67	12.536	1355	140	VV	0.135	0.5572
68	12.721	2051	128	PV	0.267	0.8433
69	13.132	222	99.5	VV	0.037	0.0912
70	13.193	569	88	VV	0.108	0.2338
71	13.340	431	125	VV	0.057	0.1772
72	13.445	711	117	VV	0.101	0.2922
73	13.605	768	131	VV	0.098	0.3156
74	13.774	455	94	VV	0.071	0.1870

Data File Name : C:\HPCHEM\2\DATA\07-25-22\028F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 75 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:08 PM
Report Created on: 26 Jul 22 08:00 AM

Page Number : 3
Vial Number : 28
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	14.054	195	96	VV	0.034	0.0800
76	14.225	1744	98	VV	0.342	0.7174
77	14.692	310	87	VV	0.058	0.1275
78	14.826	633	87	PV	0.099	0.2602
79	15.193	358	58	PBA	0.104	0.1473

Total area = 243168

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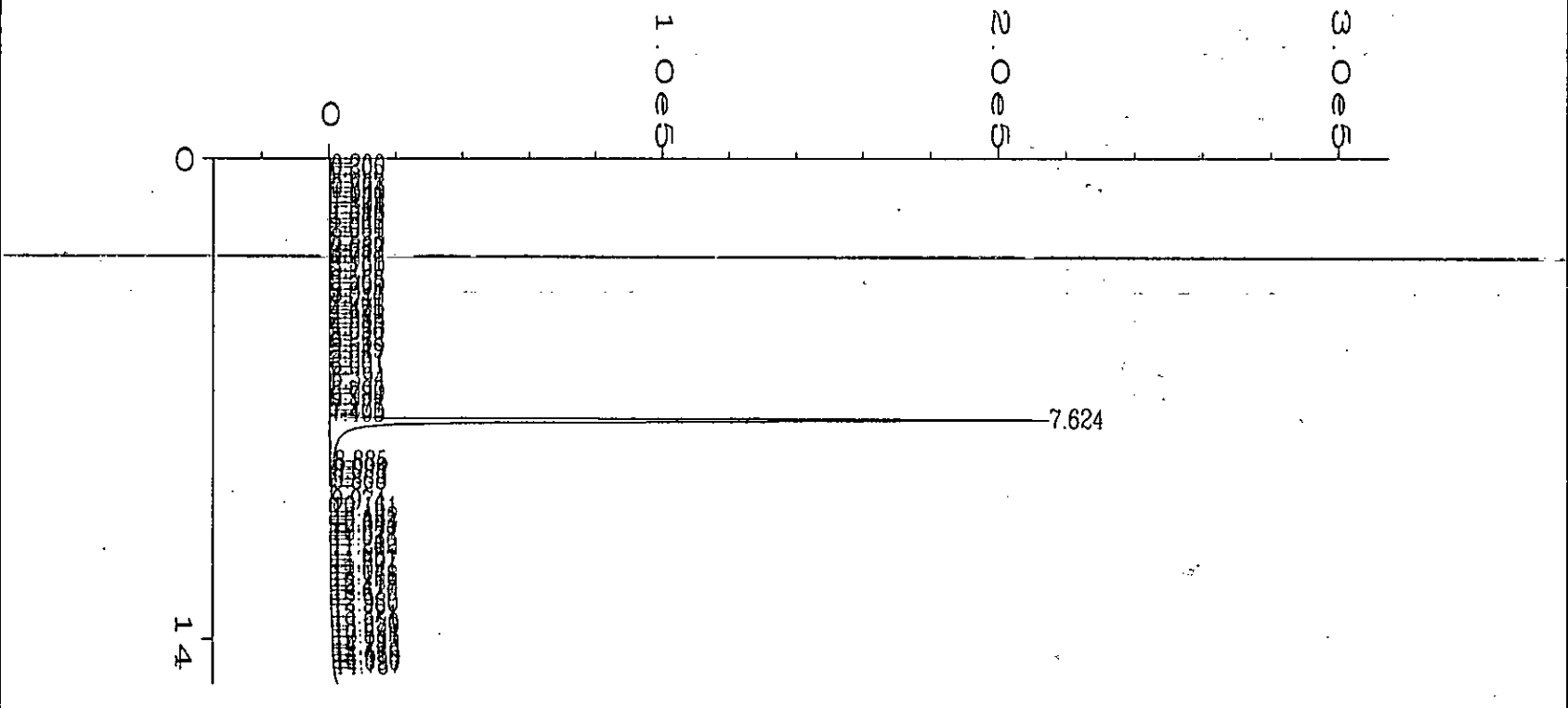

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\028R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 75 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:08 PM
Report Created on: 26 Jul 22 08:00 AM

Page Number : 1
Vial Number : 28
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\07-25-22\028R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.200	375	98	PV	0.065	0.0249
2	0.305	584	79	VV	0.116	0.0387
3	0.763	1028	160	VV	0.112	0.0681
4	0.891	767	145	VV	0.074	0.0509
5	1.040	1007	178	VV	0.090	0.0667
6	1.137	542	154	VV	0.055	0.0359
7	1.202	442	134	VV	0.055	0.0293
8	1.331	510	172	VV	0.047	0.0338
9	1.518	1176	165	VV	0.119	0.0779
10	1.639	484	96	PV	0.084	0.0321
11	1.800	334	84	PV	0.062	0.0222
12	1.883	273	76	PV	0.060	0.0181
13	2.031	375	72	VB	0.077	0.0249
14	2.333	674	105	PV	0.135	0.0446
15	2.587	357	108	VV	0.049	0.0237
16	2.659	147	80	VV	0.031	0.0097
17	2.748	528	95	PV	0.077	0.0350
18	2.981	723	102	VV	0.141	0.0479
19	3.160	1069	109	VV	0.163	0.0708
20	3.568	517	97	PV	0.079	0.0343

21	3.709	654	113	VV	0.096	0.0433
22	3.921	1017	113	VV	0.119	0.0674
23	4.040	842	99	VB	0.141	0.0558
24	4.375	338	84	PV	0.058	0.0224
25	4.421	235	84	VV	0.047	0.0156
26	4.572	656	103	VV	0.096	0.0435
27	4.683	1023	138	VV	0.114	0.0678
28	4.843	627	127	VV	0.074	0.0416
29	5.026	757	109	PV	0.112	0.0501
30	5.222	866	168	VV	0.082	0.0574
31	5.353	863	116	VV	0.132	0.0572
32	5.549	736	103	VV	0.115	0.0488
33	5.687	838	106	VV	0.127	0.0555
34	6.001	1080	101	VV	0.174	0.0716
35	6.394	4809	434	VV	0.142	0.3186
36	6.790	594	123	VV	0.067	0.0394
37	6.934	1754	199	VV	0.114	0.1162
38	7.177	270	100	VV	0.045	0.0179
39	7.265	415	94	VV	0.076	0.0275
40	7.405	392	85	VV	0.077	0.0260
41	7.624	1418805	216841	PV	0.095	94.0027
42	8.835	10089	1113	VV	0.151	0.6684
43	9.039	4013	863	VV	0.077	0.2659
44	9.094	3497	777	VV	0.075	0.2317
45	9.225	7904	753	VV	0.134	0.5237
46	9.368	6632	637	VV	0.174	0.4394
47	9.974	2978	413	VV	0.096	0.1973
48	10.161	4370	377	VV	0.157	0.2895
49	10.482	1135	275	VV	0.069	0.0752
50	10.587	1624	311	VV	0.080	0.1076
51	10.644	724	260	VV	0.046	0.0480
52	10.877	588	221	VV	0.044	0.0389
53	11.023	880	190	VV	0.065	0.0583
54	11.215	1504	200	VV	0.125	0.0996
55	11.282	1507	136	VV	0.184	0.0999
56	11.651	647	164	PV	0.066	0.0429
57	11.707	364	168	VV	0.036	0.0241
58	11.801	458	146	VV	0.060	0.0303
59	12.041	970	132	VV	0.122	0.0642
60	12.158	765	152	PV	0.073	0.0507
61	12.417	1309	155	PV	0.114	0.0867
62	12.478	569	127	VV	0.075	0.0377
63	12.626	633	87	PB	0.107	0.0420
64	12.960	229	99.7	BV	0.038	0.0152
65	13.321	762	84	PV	0.117	0.0505
66	13.550	1342	145	PV	0.123	0.0889
67	13.679	437	126	PV	0.061	0.0289
68	13.881	1053	111	VV	0.129	0.0697
69	14.143	1165	93	VV	0.156	0.0772
70	14.222	180	53	VV	0.057	0.0119
71	14.430	713	68	PV	0.170	0.0473
72	14.519	264	78	VV	0.057	0.0175
73	14.650	127	59	PV	0.036	0.0084
74	14.787	409	108	PV	0.060	0.0271

Total area = 1509323

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\07-25-22\028R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\07-25-22\028F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 28

Sample Name : 75 S 65-167 Injection Number : 1

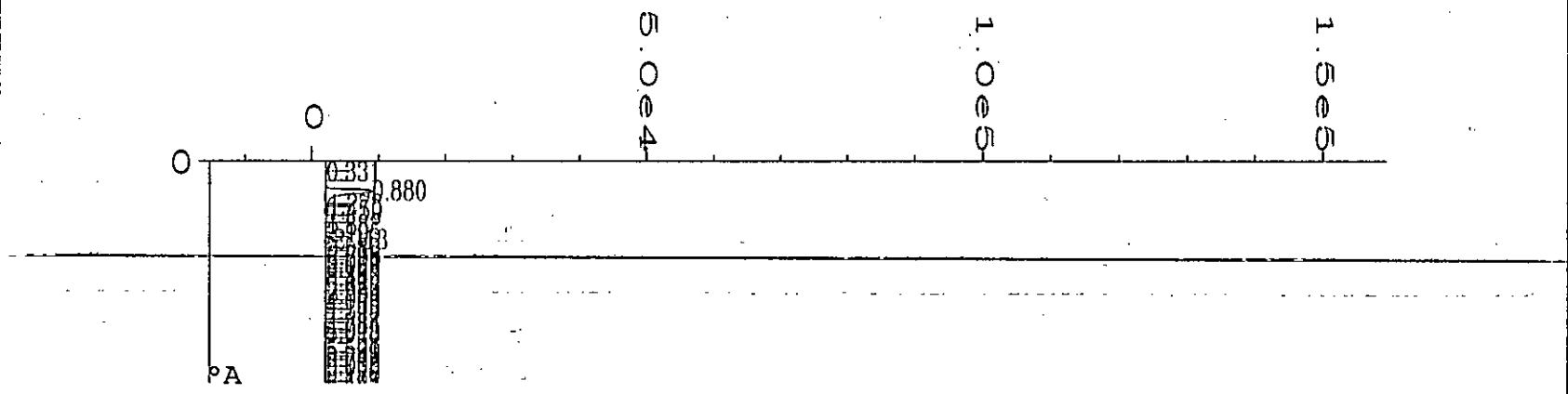
Acquired on : 25-Jul-22 5:08 PM

Report Created on: 26 Jul 22 08:00 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
81	FID	7.626	112038	1.38E+05
78	PID	7.624	1418805	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.29 ppb	FID	3.292	1411	4.82E+03
0.04 ppb	PID	3.160	1069	2.57E+04
Toluene				
0.16 ppb	FID	5.290	763	4.71E+03
0.03 ppb	PID	5.222	866	2.51E+04
Ethylbenzene				
0.10 ppb	FID	6.800	349	3.56E+03
0.03 ppb	PID	6.790	594	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.07 ppb	PID	6.934	1754	2.65E+04
o-Xylene				
0.15 ppb	FID	7.307	638	4.40E+03
0.02 ppb	PID	7.265	415	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.02 ppb	PID	11.023	880	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
33.39 ppb	FID		43202	1.29E+03
10.72 ppb	PID		64786	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-73549	1.15E+03
570.68 ppb	PID		-1396024	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\029F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 100 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:37 PM
Report Created on: 26 Jul 22 08:01 AM

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\07-25-22\029F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.331	974	128	VV	0.127	0.3436
2	0.880	73361	6949	PV	0.162	25.8685
3	1.278	1239	410	VV	0.050	0.4370
4	1.450	4322	379	VV	0.190	1.5238
5	1.882	1542	145	VV	0.177	0.5439
6	2.105	743	154	VV	0.070	0.2618
7	2.313	9915	1238	VV	0.119	3.4961
8	2.582	378	139	VV	0.047	0.1333
9	2.758	1012	168	VV	0.100	0.3570
10	2.813	427	157	VV	0.045	0.1505
11	2.924	487	126	VV	0.061	0.1717
12	3.000	316	119	VV	0.044	0.1113
13	3.082	376	131	VV	0.048	0.1325
14	3.133	485	110	VV	0.074	0.1710
15	3.360	848	124	VV	0.092	0.2989
16	3.449	1346	141	VV	0.169	0.4747
17	3.656	839	137	VV	0.084	0.2960
18	3.854	1624	172	VV	0.157	0.5726
19	4.069	330	91	VV	0.060	0.1162
20	4.189	749	122	VV	0.102	0.2643

Data File Name : C:\HPCHEM\2\DATA\07-25-22\029F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 100 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:37 PM
Report Created on: 26 Jul 22 08:01 AM

Page Number : 2
Vial Number : 29
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.345	1372	106	PV	0.166	0.4837
22	4.784	996	117	VV	0.116	0.3513
23	4.945	354	118	VV	0.045	0.1249
24	5.028	600	127	PB	0.079	0.2117
25	5.521	809	118	PV	0.114	0.2852
26	5.599	380	110	PV	0.058	0.1341
27	5.742	320	102	VV	0.057	0.1130
28	5.922	589	104	PV	0.106	0.2078
29	6.000	588	93	VV	0.105	0.2074
30	6.176	1077	107	PV	0.168	0.3799
31	6.495	437	103	VV	0.071	0.1542
32	6.544	330	85	PV	0.065	0.1164
33	6.830	489	130	VV	0.063	0.1724
34	6.950	312	183	VV	0.028	0.1100
35	7.026	687	160	VV	0.072	0.2422
36	7.194	466	137	VV	0.057	0.1645
37	7.625	144528	23413	VV	0.091	50.9630
38	8.212	3183	359	VV	0.148	1.1225
39	8.423	1404	264	VV	0.084	0.4951
40	8.523	3215	272	VV	0.197	1.1336
41	8.910	2054	199	VV	0.172	0.7243
42	9.269	1236	200	VV	0.103	0.4360
43	9.457	542	163	VV	0.055	0.1912
44	9.541	2042	180	VV	0.177	0.7202
45	9.894	479	131	VV	0.061	0.1688
46	10.405	339	121	VV	0.047	0.1195
47	10.668	588	119	PV	0.082	0.2072
48	10.839	394	153	PV	0.043	0.1391
49	10.952	482	120	VV	0.067	0.1701
50	11.097	260	103	PV	0.042	0.0918
51	11.146	145	54	PB	0.045	0.0513
52	11.695	252	91	BV	0.056	0.0887
53	11.838	350	102	PV	0.064	0.1234
54	11.964	220	108	PV	0.034	0.0775
55	12.174	594	95	PV	0.104	0.2095
56	12.462	803	110	PV	0.098	0.2831
57	12.619	464	76	VV	0.102	0.1637
58	12.734	491	108	VV	0.076	0.1732
59	12.854	233	107	VV	0.036	0.0822
60	13.039	1094	113	VV	0.162	0.3859
61	13.228	1537	136	PV	0.189	0.5418
62	13.589	243	82	VV	0.049	0.0857
63	13.688	696	134	VV	0.075	0.2454
64	13.885	405	142	VV	0.047	0.1427
65	13.981	954	118	VV	0.145	0.3365
66	14.345	467	105	VV	0.071	0.1645
67	14.412	477	91	VV	0.088	0.1684
68	14.635	240	107	VV	0.038	0.0846
69	14.693	1011	168	VV	0.100	0.3566
70	14.916	378	108	PV	0.059	0.1335
71	15.017	471	72	PV	0.109	0.1660
72	15.287	198	56	PBA	0.059	0.0698

Total area = 283594

Data File Name	: C:\HPCHEM\2\DATA\07-25-22\029F0101.D		
Operator	: jeb	Page Number	: 3
Instrument	: GC2	Vial Number	: 29
Sample Name	: 100 S 65-167	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Jul 22 05:37 PM	Instrument Method:	GX.MTH
Report Created on:	26 Jul 22 08:01 AM	Analysis Method	: GX.MTH

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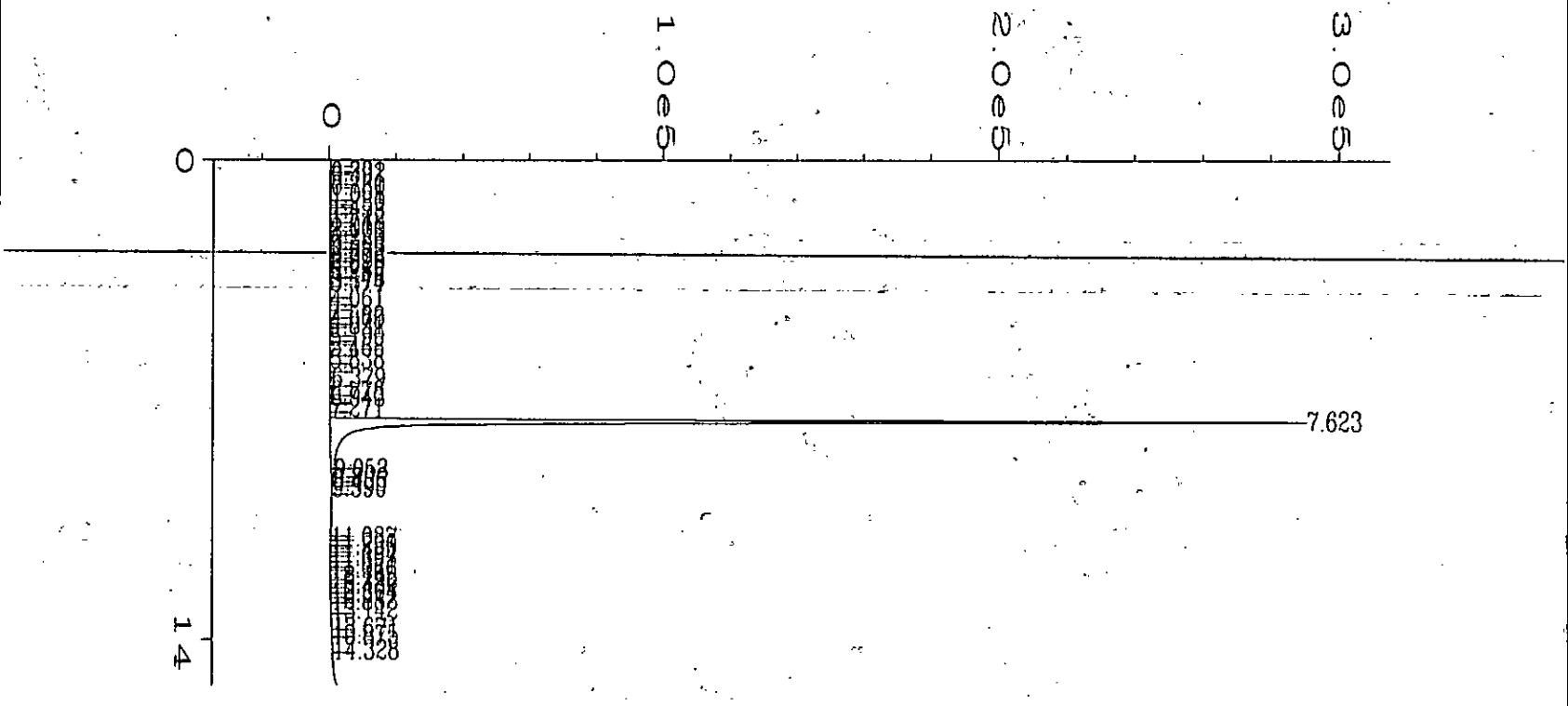

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\029R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 100 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 05:37 PM
Report Created on: 26 Jul 22 08:01 AM

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\07-25-22\029R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.331	530	94	PV	0.094	0.0272
2	0.392	136	71	PV	0.032	0.0070
3	0.491	1042	92	VV	0.187	0.0535
4	0.760	547	146	VV	0.063	0.0281
5	1.001	3042	202	VV	0.218	0.1561
6	1.230	861	140	VV	0.082	0.0442
7	1.453	1007	167	VV	0.103	0.0517
8	1.743	1156	129	PV	0.128	0.0593
9	1.916	560	101	VV	0.092	0.0288
10	2.001	325	96	VV	0.056	0.0167
11	2.100	493	118	VV	0.070	0.0253
12	2.330	1045	159	VV	0.098	0.0536
13	2.533	773	123	VV	0.105	0.0397
14	2.672	485	104	VV	0.078	0.0249
15	2.752	286	102	VV	0.047	0.0147
16	2.930	314	115	PV	0.045	0.0161
17	2.998	242	111	VV	0.036	0.0124
18	3.076	414	114	VV	0.058	0.0212
19	3.255	1733	138	VV	0.177	0.0889
20	3.448	321	128	VV	0.042	0.0165

21	3.574	377	109	VV	0.058	0.0193
22	4.061	977	113	VV	0.153	0.0501
23	4.582	715	84	VV	0.110	0.0367
24	4.679	1044	136	VV	0.124	0.0536
25	4.831	315	107	VV	0.049	0.0162
26	5.190	748	129	VV	0.097	0.0384
27	5.468	1029	81	VV	0.211	0.0528
28	5.838	749	108	VV	0.115	0.0385
29	6.379	4531	449	PV	0.148	0.2325
30	6.778	643	72	VV	0.148	0.0330
31	6.943	775	172	PB	0.069	0.0398
32	7.271	286	84	BV	0.063	0.0147
33	7.623	1894078	293307	PV	0.094	97.1949
34	9.053	8176	744	VV	0.183	0.4195
35	9.306	2977	403	VV	0.115	0.1527
36	9.425	1469	305	VV	0.080	0.0754
37	9.590	1392	142	VB	0.132	0.0715
38	11.037	289	86	PV	0.061	0.0148
39	11.230	572	97	VV	0.103	0.0294
40	11.295	207	97	VV	0.036	0.0106
41	11.494	489	108	VV	0.063	0.0251
42	11.603	576	94	VV	0.102	0.0295
43	11.821	501	99	PV	0.081	0.0257
44	11.956	253	86	VV	0.046	0.0130
45	12.148	973	103	VV	0.158	0.0500
46	12.326	353	72	VV	0.082	0.0181
47	12.422	527	138	VV	0.059	0.0270
48	12.604	734	105	PV	0.102	0.0377
49	12.671	544	108	VV	0.084	0.0279
50	12.882	726	94	PV	0.100	0.0372
51	13.142	1049	96	VV	0.196	0.0538
52	13.671	2147	146	PV	0.245	0.1101
53	13.875	1493	178	VV	0.140	0.0766
54	14.328	1715	46	PV	0.453	0.0880

Total area = 1948742

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\07-25-22\029R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\07-25-22\029F0101.D

Operator : jeb Page Number : 1

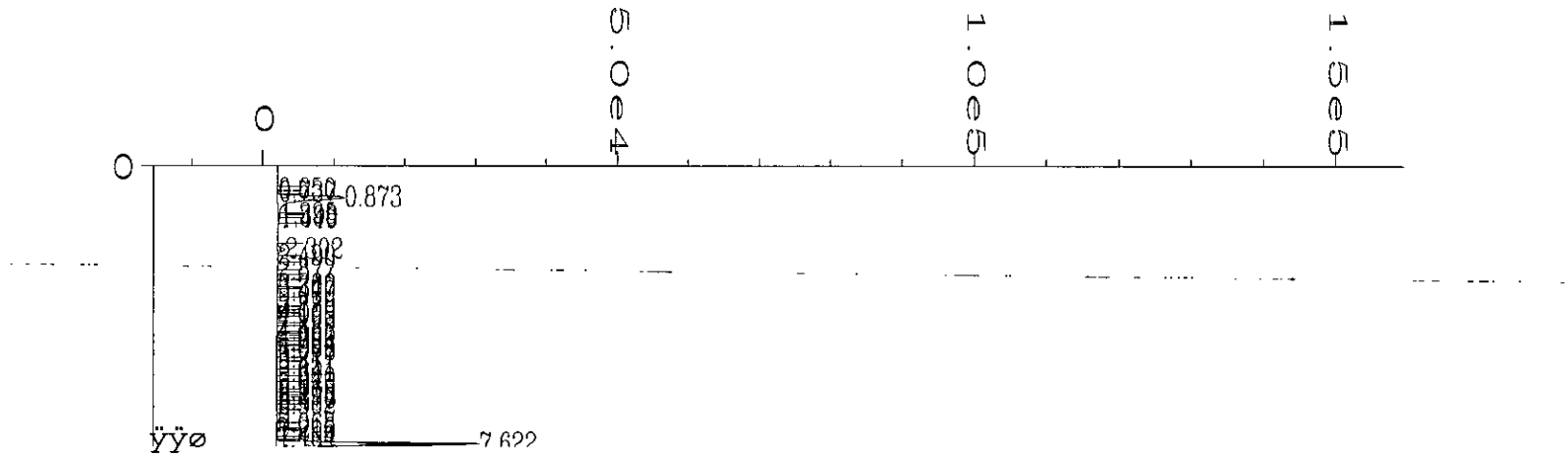
Instrument : GC2 Vial Number : 29

Sample Name : 100 S 65-167 Injection Number : 1

Acquired on : 25-Jul-22 5:37 PM

Report Created on: 26 Jul 22 08:01 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
105	FID	7.625	144528	1.38E+05
104	PID	7.623	1894078	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.10 ppb	FID	3.133	487	4.82E+03
0.07 ppb	PID	3.255	1733	2.57E+04
Toluene				
0.13 ppb	FID	5.028	600	4.71E+03
0.03 ppb	PID	5.190	748	2.51E+04
Ethylbenzene				
0.14 ppb	FID	6.830	489	3.56E+03
0.03 ppb	PID	6.778	643	1.91E+04
m,p-Xylenes				
0.08 ppb	FID	6.950	312	4.03E+03
0.03 ppb	PID	6.943	775	2.65E+04
o-Xylene				
0.00 ppb	FID	0.000	0	4.40E+03
0.01 ppb	PID	7.271	286	2.55E+04
Nap-PID, C12-FID				
0.03 ppb	FID	11.146	145	4.16E+03
0.01 ppb	PID	11.037	289	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
25.33 ppb	FID		32766	1.29E+03
4.79 ppb	PID		28960	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-115590	1.15E+03
767.00 ppb	PID		-1876276	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\030F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 125 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:07 PM
Report Created on: 26 Jul 22 08:02 AM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\07-25-22\030F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.650	138	66	BV	0.035	0.0414
2	0.737	346	138	PV	0.042	0.1041
3	0.873	87891	9383	VV	0.147	26.4450
4	1.335	512	192	VV	0.045	0.1540
5	1.398	807	230	VV	0.058	0.2428
6	1.449	910	218	VB	0.069	0.2739
7	2.302	7933	1069	BV	0.107	2.3868
8	2.490	164	77	VB	0.036	0.0494
9	2.877	80	98	PV	0.014	0.0240
10	3.280	424	85	VV	0.083	0.1276
11	3.347	183	126	VV	0.024	0.0552
12	3.470	865	113	PV	0.127	0.2603
13	3.778	880	132	PV	0.125	0.2647
14	3.882	552	153	VV	0.060	0.1661
15	4.068	277	97	VV	0.048	0.0834
16	4.162	696	130	PV	0.089	0.2093
17	4.482	669	158	VV	0.071	0.2012
18	4.562	251	105	VV	0.040	0.0754
19	4.680	266	109	VV	0.041	0.0800
20	4.762	452	148	PV	0.051	0.1359

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\030F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 125 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:07 PM
Report Created on: 26 Jul 22 08:02 AM

Page Number : 2
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.864	565	133	VV	0.071	0.1700
22	4.986	597	154	VV	0.065	0.1797
23	5.078	1163	136	VV	0.142	0.3498
24	5.277	591	135	VV	0.071	0.1777
25	5.451	1247	161	VV	0.149	0.3753
26	5.641	871	153	VV	0.095	0.2620
27	5.840	751	122	VV	0.102	0.2260
28	5.975	1057	176	VV	0.094	0.3181
29	6.160	375	131	VV	0.048	0.1128
30	6.215	430	183	VV	0.039	0.1292
31	6.293	402	151	VV	0.044	0.1209
32	6.376	570	202	VV	0.047	0.1715
33	6.437	591	141	VV	0.070	0.1779
34	6.562	959	156	VV	0.102	0.2886
35	7.068	825	170	VV	0.081	0.2482
36	7.216	294	134	PV	0.037	0.0886
37	7.295	1057	168	VV	0.105	0.3179
38	7.464	593	172	VV	0.057	0.1784
39	7.622	170562	28954	VV	0.087	51.3191
40	7.983	4897	677	VV	0.121	1.4735
41	8.143	3905	475	VV	0.137	1.1748
42	8.290	5762	343	VV	0.280	1.7337
43	8.816	2702	286	VV	0.158	0.8131
44	9.111	3746	217	VV	0.288	1.1270
45	9.305	673	185	VV	0.061	0.2024
46	9.433	1245	183	VV	0.113	0.3746
47	9.598	1146	224	VV	0.077	0.3448
48	9.682	649	168	VV	0.065	0.1952
49	9.830	1108	147	VV	0.126	0.3335
50	9.935	649	139	VV	0.078	0.1953
51	10.113	1010	146	VV	0.116	0.3039
52	10.204	688	153	VV	0.075	0.2069
53	10.631	409	133	VV	0.051	0.1232
54	10.701	1162	153	VV	0.108	0.3495
55	11.042	2283	131	VV	0.290	0.6868
56	11.551	540	120	VV	0.075	0.1624
57	11.682	1680	137	VV	0.204	0.5054
58	12.155	952	132	VV	0.101	0.2865
59	12.439	572	189	VV	0.050	0.1720
60	12.553	615	125	VV	0.082	0.1852
61	12.782	580	112	PV	0.087	0.1745
62	12.909	350	92	VV	0.063	0.1052
63	13.102	1397	134	VV	0.174	0.4202
64	13.277	194	117	VV	0.028	0.0583
65	13.345	844	95	PV	0.148	0.2540
66	13.621	647	90	VB	0.108	0.1947
67	14.234	509	98	VV	0.086	0.1531
68	14.304	456	185	PV	0.045	0.1373
69	14.412	342	93	VV	0.061	0.1030
70	14.532	582	107	VV	0.079	0.1751
71	14.671	327	128	PV	0.043	0.0983
72	14.798	757	127	VV	0.099	0.2277
73	15.041	664	148	PV	0.075	0.1998
74	15.105	287	118	PV	0.040	0.0862

Data File Name : C:\HPCHEM\2\DATA\07-25-22\030F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 125 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:07 PM
Report Created on: 26 Jul 22 08:02 AM

Page Number : 3
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	15.245		235	48	PBA	0.082	0.0708

Total area = 332356

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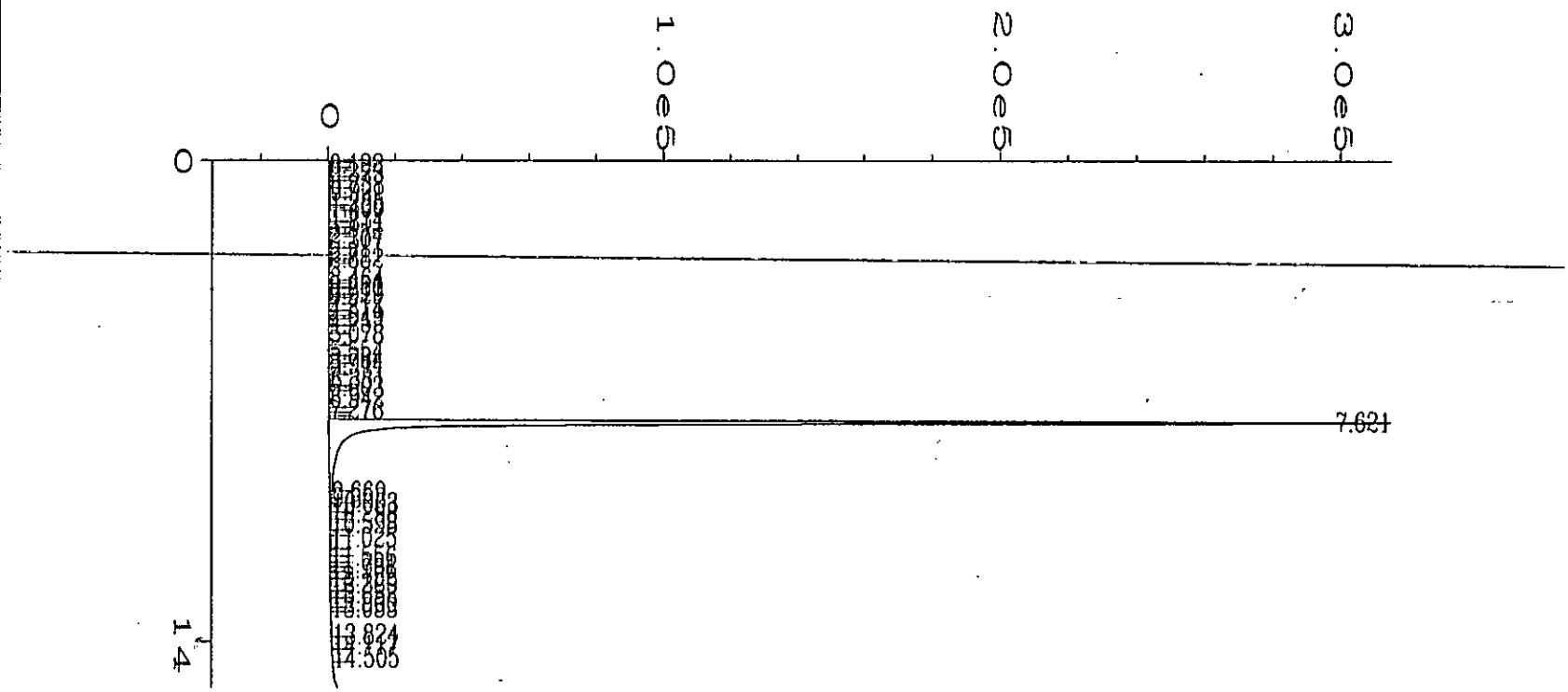

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\030R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 125 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:07 PM
Report Created on: 26 Jul 22 08:02 AM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\07-25-22\030R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.122	416	79	BV	0.074	0.0170
2	0.373	824	104	VV	0.105	0.0337
3	0.738	1159	156	PV	0.100	0.0475
4	0.921	2427	190	VV	0.168	0.0994
5	1.265	1915	203	VV	0.152	0.0785
6	1.328	353	131	VV	0.045	0.0145
7	1.409	535	143	VV	0.062	0.0219
8	1.734	2128	149	VV	0.238	0.0872
9	1.811	1101	158	VV	0.116	0.0451
10	2.174	154	75	PV	0.034	0.0063
11	2.307	1472	101	VV	0.243	0.0603
12	2.711	1251	112	PV	0.204	0.0513
13	2.882	280	92	VV	0.051	0.0115
14	3.464	1820	111	VV	0.200	0.0746
15	3.666	340	87	PV	0.065	0.0139
16	3.721	259	99	VV	0.044	0.0106
17	3.813	890	127	VV	0.117	0.0364
18	3.929	382	102	VV	0.062	0.0156
19	4.314	816	99	VV	0.140	0.0334
20	4.549	489	120	VV	0.068	0.0200

21	4.753	1192	111	VV	0.179	0.0488
22	5.078	1740	129	VV	0.211	0.0713
23	5.554	1418	111	VV	0.213	0.0581
24	5.784	1010	132	VV	0.111	0.0414
25	5.944	1295	110	VV	0.188	0.0531
26	6.381	4712	490	PV	0.146	0.1930
27	6.603	688	99	VV	0.116	0.0282
28	6.942	3822	267	VV	0.187	0.1566
29	7.276	702	111	VV	0.105	0.0287
30	7.621	2364957	358325	PV	0.236	96.8794
31	9.669	7346	673	VV	0.182	0.3009
32	9.858	4487	582	VV	0.129	0.1838
33	10.003	7165	511	VV	0.234	0.2935
34	10.298	4384	388	VV	0.155	0.1796
35	10.598	4750	359	VV	0.174	0.1946
36	11.025	1763	156	VB	0.156	0.0722
37	11.556	516	77	PV	0.112	0.0211
38	11.781	270	75	PV	0.062	0.0111
39	11.906	306	82	PV	0.062	0.0126
40	12.152	267	63	PV	0.071	0.0109
41	12.369	603	82	VV	0.132	0.0247
42	12.652	399	65	PV	0.091	0.0164
43	12.900	1365	150	PV	0.152	0.0559
44	13.053	305	52	VV	0.091	0.0125
45	13.824	4036	172	PV	0.392	0.1653
46	14.117	2000	120	VV	0.277	0.0819
47	14.505	627	93	VV	0.106	0.0257

Total area = 2441134

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\07-25-22\030R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\07-25-22\030F0101.D

Operator : jeb Page Number : 1

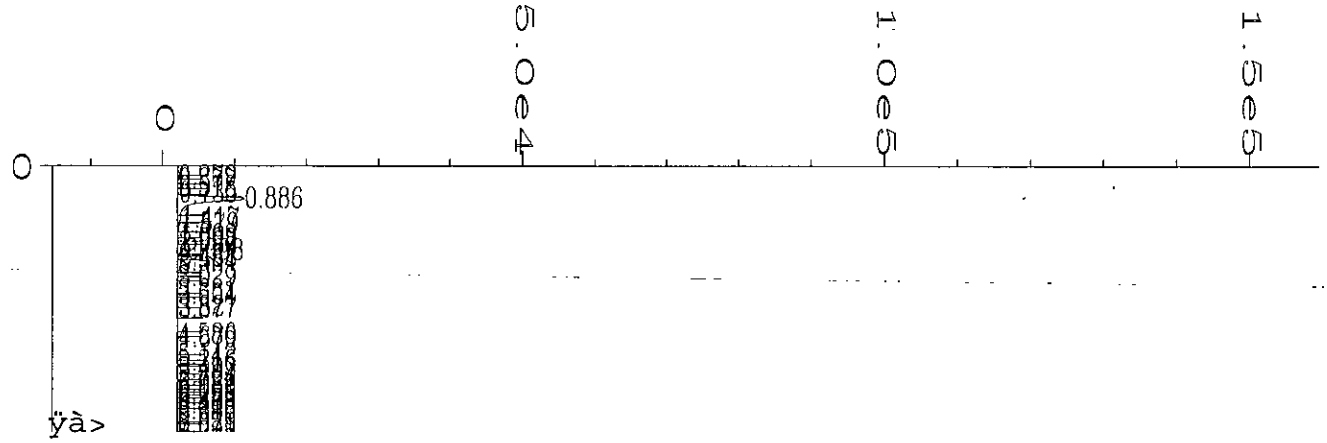
Instrument : GC2 Vial Number : 30

Sample Name : 125 S 65-167 Injection Number : 1

Acquired on : 25-Jul-22 6:07 PM

Report Created on: 26 Jul 22 08:02 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
123	FID	7.622	170562	1.38E+05
130	PID	7.621	2364957	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.09 ppb	FID	3.280	424	4.82E+03
0.01 ppb	PID	2.882	280	2.57E+04
Toluene				
0.25 ppb	FID	5.277	1163	4.71E+03
0.07 ppb	PID	5.078	1740	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.00 ppb	PID	0.000	0	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.14 ppb	PID	6.942	3822	2.65E+04
o-Xylene				
0.24 ppb	FID	7.295	1057	4.40E+03
0.03 ppb	PID	7.276	702	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.04 ppb	PID	11.025	1763	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
39.02 ppb	FID		50487	1.29E+03
8.52 ppb	PID		51470	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-143932	1.15E+03
956.65 ppb	PID		-2340225	-2.45E+03



Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\07-25-22\031F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 150 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:38 PM
Report Created on: 26 Jul 22 08:19 AM

Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\07-25-22\031F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.279	245	135	PV	0.030	0.0600
2	0.377	348	95	VV	0.061	0.0855
3	0.578	294	76	PV	0.064	0.0723
4	0.735	578	121	VV	0.080	0.1420
5	0.886	104075	9275	VV	0.155	25.5588
6	1.417	4390	438	VV	0.134	1.0781
7	1.579	2616	314	VV	0.139	0.6424
8	1.893	813	146	VV	0.093	0.1997
9	1.998	399	121	VV	0.055	0.0981
10	2.067	482	132	VV	0.061	0.1184
11	2.298	8002	1104	VV	0.103	1.9651
12	2.422	491	209	VV	0.039	0.1206
13	2.483	605	192	VV	0.053	0.1486
14	2.584	1835	122	VV	0.220	0.4506
15	3.029	517	106	VV	0.081	0.1269
16	3.381	1509	108	VV	0.186	0.3705
17	3.504	427	122	VV	0.059	0.1050
18	3.827	1377	166	VV	0.138	0.3382
19	3.877	1217	128	VV	0.158	0.2988
20	4.586	619	124	VV	0.083	0.1520

Data File Name : C:\HPCHEM\2\DATA\07-25-22\031F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 150 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:38 PM
Report Created on: 26 Jul 22 08:19 AM

Page Number : 2
Vial Number : 31
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.679	1954	147	VV	0.231	0.4798
22	5.142	696	109	VV	0.106	0.1708
23	5.316	421	106	VV	0.072	0.1033
24	5.493	887	133	VV	0.092	0.2178
25	5.704	601	112	VV	0.078	0.1475
26	5.921	290	94	PV	0.052	0.0711
27	5.982	548	119	VV	0.077	0.1346
28	6.099	258	91	VV	0.047	0.0634
29	6.159	367	101	VV	0.060	0.0902
30	6.255	324	109	VV	0.049	0.0796
31	6.359	689	128	VV	0.090	0.1692
32	6.468	683	122	VV	0.094	0.1678
33	6.616	1478	115	VV	0.214	0.3631
34	6.979	287	131	PV	0.036	0.0705
35	7.031	877	108	VV	0.136	0.2155
36	7.232	896	93	VV	0.161	0.2199
37	7.452	394	102	VV	0.064	0.0968
38	7.619	216728	37174	VV	0.087	53.2241
39	8.048	6368	648	VV	0.164	1.5640
40	8.253	5193	432	VV	0.201	1.2754
41	8.502	1562	339	VV	0.077	0.3836
42	8.617	1153	328	VV	0.059	0.2833
43	8.666	2058	292	VV	0.117	0.5055
44	9.146	4149	243	VV	0.285	1.0188
45	9.333	2294	202	VV	0.190	0.5633
46	9.628	1067	206	VV	0.086	0.2621
47	9.815	1880	166	VV	0.189	0.4617
48	9.986	1154	185	VV	0.104	0.2834
49	10.137	1310	171	VV	0.128	0.3216
50	10.321	1277	149	VV	0.143	0.3136
51	10.531	415	130	VV	0.047	0.1020
52	10.591	837	135	VV	0.103	0.2054
53	10.733	607	152	VV	0.065	0.1490
54	10.844	1588	130	VV	0.204	0.3900
55	11.078	286	127	VV	0.037	0.0703
56	11.132	1671	156	VV	0.178	0.4104
57	11.456	725	164	VV	0.068	0.1780
58	11.732	1158	123	VV	0.157	0.2843
59	12.105	822	176	VV	0.078	0.2020
60	12.159	854	175	PV	0.081	0.2098
61	12.306	695	150	VV	0.077	0.1706
62	12.437	433	123	VV	0.056	0.1062
63	12.529	851	125	VV	0.094	0.2089
64	12.870	1992	136	VV	0.232	0.4891
65	13.264	1705	116	VV	0.191	0.4186
66	13.480	531	112	VV	0.079	0.1304
67	13.704	870	114	VV	0.103	0.2137
68	14.064	341	97	VV	0.059	0.0838
69	14.140	651	133	VV	0.081	0.1599
70	14.417	501	122	VV	0.069	0.1231
71	14.532	440	115	VV	0.064	0.1081
72	14.711	371	108	PV	0.057	0.0910
73	14.808	172	60	VV	0.048	0.0424

Data File Name	: C:\HPCHEM\2\DATA\07-25-22\031F0101.D		
Operator	: jeb	Page Number	: 3
Instrument	: GC2	Vial Number	: 31
Sample Name	: 150 S 65-167	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Jul 22 06:38 PM	Instrument Method	: GX.MTH
Report Created on	: 26 Jul 22 08:19 AM	Analysis Method	: GX.MTH

Total area = 407198

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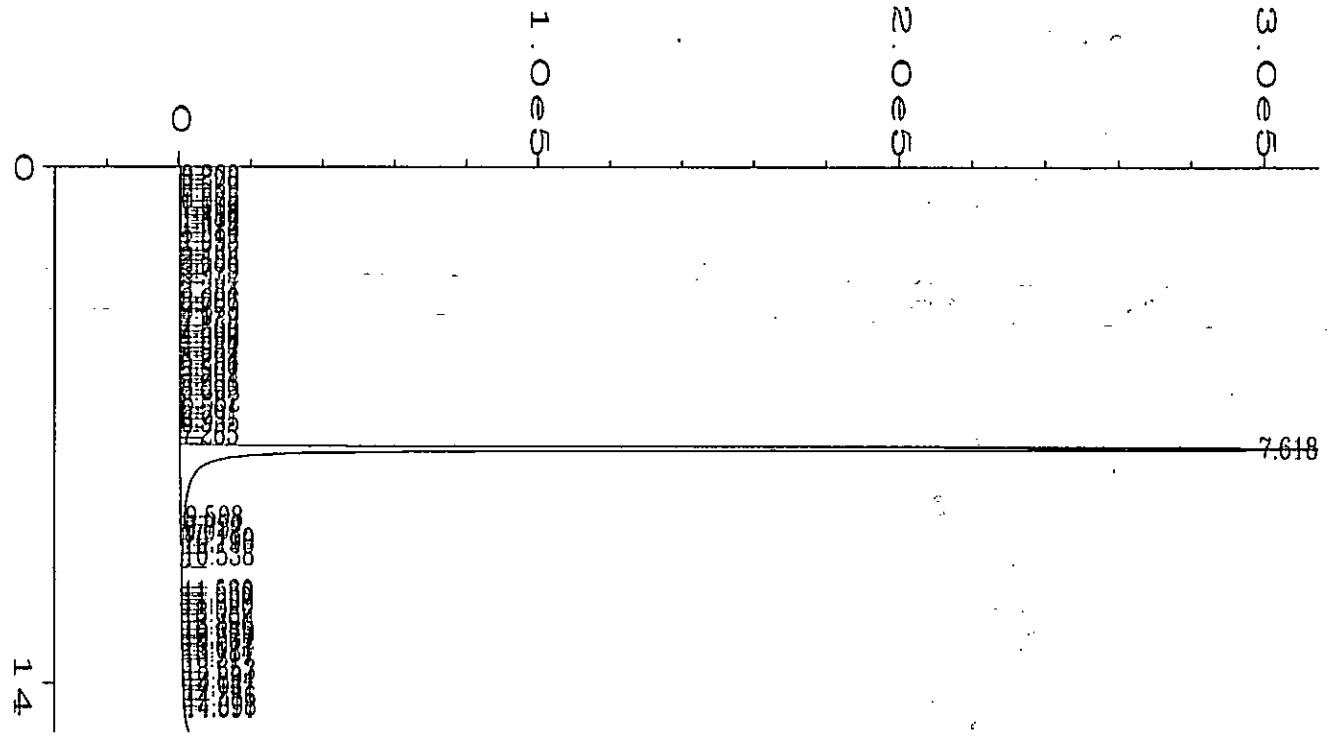

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\07-25-22\031R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 150 S 65-167
Run Time Bar Code:
Acquired on : 25 Jul 22 06:38 PM
Report Created on: 26 Jul 22 08:20 AM

Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\07-25-22\031R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.269	305	126	PV	0.045	0.0100
2	0.376	423	88	PV	0.068	0.0140
3	0.569	434	101	PV	0.064	0.0143
4	0.878	1943	149	VV	0.167	0.0640
5	1.002	1383	198	VV	0.095	0.0456
6	1.138	724	180	VV	0.063	0.0238
7	1.219	884	164	VV	0.090	0.0291
8	1.335	447	141	VV	0.053	0.0147
9	1.384	585	141	VV	0.069	0.0193
10	1.479	534	190	VV	0.047	0.0176
11	1.573	560	160	VV	0.051	0.0185
12	1.819	259	88	PV	0.049	0.0085
13	1.993	578	106	VV	0.091	0.0191
14	2.053	966	112	VB	0.144	0.0318
15	2.488	662	121	VV	0.083	0.0218
16	2.586	314	96	VV	0.054	0.0103
17	2.775	1217	147	VV	0.135	0.0401
18	2.932	398	67	PV	0.099	0.0131
19	3.384	1924	144	PV	0.168	0.0634
20	3.626	568	108	VV	0.076	0.0187

21	3.707	719	99	VV	0.095	0.0237
22	3.879	178	95	PV	0.031	0.0059
23	4.129	1532	111	VV	0.178	0.0505
24	4.360	661	106	VV	0.104	0.0218
25	4.506	458	113	VV	0.068	0.0151
26	4.569	536	118	VV	0.066	0.0177
27	4.693	753	145	VV	0.072	0.0248
28	4.824	674	133	VV	0.075	0.0222
29	4.957	556	137	VV	0.060	0.0183
30	5.233	1030	154	VV	0.111	0.0340
31	5.294	418	125	VV	0.055	0.0138
32	5.386	565	120	VV	0.078	0.0186
33	5.561	967	112	VV	0.116	0.0319
34	5.731	391	113	VV	0.058	0.0129
35	5.956	882	115	PV	0.113	0.0291
36	6.092	561	111	VV	0.074	0.0185
37	6.382	5335	523	VV	0.140	0.1758
38	6.561	879	150	VB	0.098	0.0290
39	6.791	554	92	BV	0.090	0.0183
40	6.935	1649	257	VV	0.095	0.0543
41	7.265	534	123	PV	0.069	0.0176
42	7.618	2940647	457656	PV	0.094	96.9153
43	9.508	12919	1035	VV	0.208	0.4258
44	9.754	4137	850	VV	0.081	0.1363
45	9.822	3565	763	VV	0.078	0.1175
46	9.912	8561	721	VV	0.198	0.2822
47	10.119	2558	562	VV	0.076	0.0843
48	10.196	2345	517	VV	0.076	0.0773
49	10.538	8311	492	VV	0.209	0.2739
50	11.530	1040	132	VV	0.103	0.0343
51	11.588	511	139	VV	0.061	0.0168
52	11.697	742	151	VV	0.082	0.0244
53	11.798	911	157	VV	0.083	0.0300
54	11.895	906	151	VV	0.100	0.0299
55	12.087	423	91	PV	0.077	0.0140
56	12.308	899	117	VV	0.134	0.0296
57	12.426	875	102	VV	0.129	0.0289
58	12.679	925	131	PV	0.096	0.0305
59	12.747	377	109	VV	0.058	0.0124
60	12.837	727	116	VV	0.088	0.0240
61	12.977	269	110	VV	0.041	0.0089
62	13.077	606	99.9	VV	0.087	0.0200
63	13.184	460	101	VV	0.076	0.0151
64	13.317	118	34	PV	0.068	0.0039
65	13.653	2710	192	PV	0.216	0.0893
66	13.894	1187	105	VV	0.185	0.0391
67	14.041	1142	146	VV	0.131	0.0376
68	14.131	502	99	VV	0.084	0.0166
69	14.386	705	80	VV	0.121	0.0232
70	14.618	63	55	PV	0.025	0.0021
71	14.691	158	54	PV	0.057	0.0052

Total area = 3034244

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\07-25-22\031R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\07-25-22\031F0101.D

Operator : jeb Page Number : 1
Instrument : GC2 Vial Number : 31
Sample Name : 150 S 65-167 Injection Number : 1
Acquired on : 25-Jul-22 6:38 PM
Report Created on: 26 Jul 22 08:19 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
157	FID	7.619	216728	1.38E+05
162	PID	7.618	2940647	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.11 ppb	FID	3.029	517	4.82E+03
0.02 ppb	PID	2.932	398	2.57E+04
Toluene				
0.15 ppb	FID	5.142	696	4.71E+03
0.04 ppb	PID	5.294	1030	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.03 ppb	PID	6.791	554	1.91E+04
m,p-Xylenes				
0.07 ppb	FID	6.979	287	4.03E+03
0.06 ppb	PID	6.935	1649	2.65E+04
o-Xylene				
0.20 ppb	FID	7.232	896	4.40E+03
0.02 ppb	PID	7.265	534	2.55E+04
Nap-PID, C12-FID				
0.40 ppb	FID	11.132	1671	4.16E+03
0.00 ppb	PID	0.000	0	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
40.34 ppb	FID		52185	1.29E+03
10.71 ppb	PID		64720	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-188479	1.15E+03
1191.91 ppb	PID		-2915732	-2.45E+03

GC - 2			Seq Line		Vial #s				
Sequence Date:	8/17/22								
Standard ID									
Sample ID	100 GX 67-60	500 GX 67-60	1000 GX 67-60	5000 GX 67-60	10000 GX 67-60				
Concentration	100	500.00	1000	5000	10000				
BFB-FID	147388	1.29E+05	1.32E+05	1.32E+05	1.42E+05				
BFB-PID	1708049	1.96E+06	2.22E+06	2.20E+06	4.11E+06				
Benzene-FID	6247	2.27E+04	3.79E+04	1.73E+05	3.50E+05				
Benzene-PID	16608	7.79E+04	1.61E+05	8.40E+05	2.13E+06				
Toluene-FID	33896	1.57E+05	3.37E+05	1.53E+06	3.23E+06				
Toluene-PID	162921	8.13E+05	1.63E+06	8.07E+06	1.62E+07				
Ethylbenzene-FID	5.10E+03	2.46E+04	4.56E+04	2.31E+05	4.94E+05				
Ethylbenzene-PID	21331	1.13E+05	2.33E+05	1.21E+06	2.52E+06				
m,p-Xylenes-FID	23503	1.08E+05	2.16E+05	1.12E+06	2.26E+06				
m,p-Xylenes-PID	124576	6.36E+05	1.30E+06	6.56E+06	1.32E+07				
o-Xylene-FID	9641	4.62E+04	9.15E+04	4.51E+05	9.44E+05				
o-Xylene-PID	48609	2.48E+05	5.09E+05	2.48E+06	4.94E+06				
MTBE-FID	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
MTBE-PID	2522	3.16E+03	9.94E+03	7.10E+04	1.42E+05				
Gasoline CA/NW-FID	1.77E+05	7.55E+05	1.43E+06	7.14E+06	1.54E+07				
Gasoline CA/NW-PID	6.45E+05	2.84E+06	5.71E+06	3.03E+07	5.97E+07				
End of C10-end of C12	-1.47E+05	-1.29E+05	-1.32E+05	-1.32E+05	-1.42E+05				
Gasoline AK-PID	-1.71E+06	-1.96E+06	-2.22E+06	-2.20E+06	-4.11E+06				
RESPONSE FACTORS								Avg FID	%RSD
BFB-FID	1474	257	132	26	14	#DIV/0!	#DIV/0!	3.81E+02	162%
BFB-PID	17080	3921	2221	441	411	#DIV/0!	#DIV/0!	4.81E+03	146%
Benzene-FID	62	45	38	35	35	#DIV/0!	#DIV/0!	4.31E+01	27%
Benzene-PID	166	156	161	168	213	#DIV/0!	#DIV/0!	1.73E+02	13%
Toluene-FID	339	314	337	307	323	#DIV/0!	#DIV/0!	3.24E+02	4%
Toluene-PID	1629	1626	1627	1615	1621	#DIV/0!	#DIV/0!	1.62E+03	0%
Ethylbenzene-FID	51	49	46	46	49	#DIV/0!	#DIV/0!	4.83E+01	5%
Ethylbenzene-PID	213	225	233	242	252	#DIV/0!	#DIV/0!	2.33E+02	6%
m,p-Xylenes-FID	118	108	108	112	113	#DIV/0!	#DIV/0!	1.12E+02	4%
m,p-Xylenes-PID	623	636	650	656	659	#DIV/0!	#DIV/0!	6.45E+02	2%
o-Xylene-FID	96	92	91	90	94	#DIV/0!	#DIV/0!	9.30E+01	3%
o-Xylene-PID	486	496	509	496	494	#DIV/0!	#DIV/0!	4.96E+02	2%
MTBE-FID	0	0	0	0	0	#DIV/0!	#DIV/0!	0.00E+00	#DIV/0!
MTBE-PID	25	6	10	14	14	#DIV/0!	#DIV/0!	1.40E+01	51%
Gasoline NW-FID	1768	1509	1431	1428	1538	#DIV/0!	#DIV/0!	1.53E+03	9%
Gasoline NW-PID	6450	5676	5710	6067	5965	#DIV/0!	#DIV/0!	5.97E+03	5%
End of C10-End of C12	-1474	-257	-132	-26	-14	#DIV/0!	#DIV/0!	-3.81E+02	-162%
Gasoline CA/AK-PID	-17080	-3921	-2221	-441	-411	#DIV/0!	#DIV/0!	-4.81E+03	-146%
Calculated by:	JC 08-18-22				Reviewed by:		8/18/22		
Excel Spread sheet updated (Y/N)									
			Initia	Date/Time					

2nd SOURCE OK

Calculated									
Concentrations	100.0	500	1000	5000	10000	0	0		
BFB-FID	387	338	347	347	373	0	0		
BFB-PID	355	407	461	458	853	0	0		
Benzene-FID	145.03	527.6	879.4	4008	8134	0	0		
Benzene-PID	96.06	450.7	932.5	4861	12332	0	0		
Toluene-FID	104.67	484.2	1041.0	4735	9968	0	0		
Toluene-PID	100.33	500.8	1002.2	4972	9984	0	0		
Ethylbenzene-FID	105.59	509.7	943.8	4786	10237	0	0		
Ethylbenzene-PID	91.48	482.9	999.5	5192	10814	0	0		
m,p-Xylenes-FID	210.41	965.3	1930.3	10070	20211	0	0		
m,p-Xylenes-PID	193.16	986.7	2015.3	10176	20445	0	0		
o-Xylene-FID	103.69	496.9	983.6	4853	10151	0	0		
o-Xylene-PID	97.95	499.9	1024.9	5001	9955	0	0		
MTBE-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
MTBE-PID	180.45	226.0	710.8	5079	10171	0	0		
Gasoline CA/NW-FID	115.20	491.6	932.5	4652	10018	0	0		
Gasoline CA/NW-PID	107.98	475.1	955.9	5078	9986	0	0		
End of C10-End of C12	387.02	337.92	347.2	347	373.45	0	0		
Gasoline AK-PID	354.75	407.2	461.2	458	853	0	0		

NWTPH-Gx
Sequence Tables

Sequence: C:\HPCHEM\2\SEQUENCE\08-26-22.SEQ

AMM 8/29

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1					
REAR						
	1		GX	1	25	1

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	water blank			
2	02-1746 lcsg/ccg			
3	02-1746 lcsv/ccv			
4	02-1746 mb			
5	208339-01 du			
6	208339-01			
7	208339-02			
8	208298-01			
9	208299-06			
10	208299-09			
11	208292-01 1/10			
12	25 V 66-57B#2			
13	500GX 66-54C#2			
14	208292-01			
15	02-1750 lcsg			
16	rinse			
17	02-1750 mb			
18	208~~342~~-01			
19	208312-01 msg			
20	208312-01 msdg			
21	208312-02			
22	208312-03			
23	208312-04			
24	50 V 66-57B#3			
25	1000GX 66-54C#3			

pH<2 AMM 0829

312 AMM 08.29

GC2 08.26.22

NWTPH-Gx
Checklists

Gas/BTEX Summary Checklist for GC 12 Date 082622

Instrument Operation Checklist (finalize previous sequence)	CCVs (Check if passed)
☑ Surrogate and Rinse bottle checked/filled	☐ ☑ CCV 1 BTEX Gx
☑ Same Day samples processed	***CHECK 1ST CCV BEFORE PROCEEDING***
☐ Reruns loaded and processed	☐ ☑ CCV 2 BTEX Gx
☐ QA 1 Processed 1746 ☑ QA 2 Processed 1750	☐ ☐ CCV 3 BTEX Gx
☐ QA 3 Processed ____ ☐ QA 4 Processed ____	☐ ☐ CCV 4 BTEX Gx
☑ Check vials vs sequence	☐ ☐ CCV 5 BTEX Gx
☑ pH test water	☐ ☐ CCV 6 BTEX Gx

Calculation	Review
Y / N CCVs within 12 hours?	☑ Reintegrations calculated correctly
☐ NA Instrument errors documented	☑ Excel sheet filled out correctly
☐ Baselines reintegrated	☑ Worksheets filled out completely
Y / N Surrogates pass within limits?	☑ Analysis matches CoC
Y / N LCS values within limits?	☑ Check Matrix/Units
Y / N RPDs within limits?	☑ Correct QC & MB added
☐ Appropriate qualifiers added	☑ EDD info added
☑ Part Reports finished/Ready for Review	Y / N Review performed w/in 24 hr

Instrument Errors	Samples to be Reanalyzed	Maintenance to be Done?
☑ Check if none	☑ Check if none	☑ Check if none

VIAL 18 CORRECTED 08829

Date/Time Finished Processing Data Pack 08292209:08

Date/Time Finished Reviewing Data Pack 8/29

NWTPH-Gx
CCV Summaries

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\013F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 26 Aug 22 02:39 PM
Report Created on: 26 Aug 22 02:54 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\013F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.093	125	101	BV	0.021	0.0118
2	0.194	245	73	PV	0.054	0.0232
3	0.327	874	125	VV	0.130	0.0827
4	0.493	193	103	VV	0.031	0.0183
5	0.596	724	188	VV	0.064	0.0684
6	0.731	843	180	PV	0.070	0.0797
7	0.931	51757	5369	PV	0.132	4.8939
8	1.021	20010	4164	VV	0.080	1.8920
9	1.428	2126	291	BV	0.098	0.2010
10	1.602	521	177	VV	0.049	0.0493
11	1.859	22674	3632	PV	0.094	2.1440
12	2.045	4757	742	VV	0.107	0.4498
13	2.303	16515	1565	VV	0.151	1.5616
14	2.549	620	267	VV	0.039	0.0586
15	2.600	1056	359	VV	0.049	0.0999
16	2.724	11496	1400	VV	0.116	1.0870
17	3.188	19183	2626	VV	0.111	1.8138
18	3.525	22050	1762	VV	0.170	2.0849
19	3.684	10836	1594	VV	0.101	1.0246
20	3.941	20866	2333	VV	0.129	1.9730
21	4.181	13557	1827	VV	0.108	1.2819
22	4.357	2232	364	VV	0.088	0.2111
23	4.577	11570	1723	VV	0.109	1.0940
24	4.811	9218	1336	VV	0.091	0.8716
25	4.945	1341	322	VV	0.069	0.1268
26	5.224	168101	24197	VV	0.102	15.8949
27	5.546	13803	1759	VV	0.102	1.3051
28	5.734	8710	855	VV	0.129	0.8236
29	5.980	11211	1335	VV	0.116	1.0601
30	6.143	1667	506	VV	0.050	0.1576
31	6.359	3973	373	VV	0.171	0.3757
32	6.499	4601	688	VV	0.093	0.4350
33	6.575	4991	779	VV	0.107	0.4719
34	6.804	28622	5850	VV	0.075	2.7064
35	6.935	123896	19771	VV	0.093	11.7151
36	7.276	54906	9367	VV	0.088	5.1917
37	7.626	131876	24826	VV	0.080	12.4696
38	7.730	64045	9905	VV	0.091	6.0558
39	8.254	54416	5178	VV	0.141	5.1453
40	8.488	13379	2193	VV	0.090	1.2651
41	8.686	40930	6444	VV	0.092	3.8701
42	9.050	11743	1940	VV	0.090	1.1104
43	9.213	7169	1126	VV	0.086	0.6779
44	9.454	11129	1210	VV	0.117	1.0523
45	9.586	3705	623	VV	0.092	0.3503
46	9.709	2954	818	VV	0.053	0.2793
47	9.803	8848	871	VV	0.144	0.8366

Data File Name : C:\HPCHEM\2\DATA\08-26-22\013F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 26 Aug 22 02:39 PM
Report Created on: 26 Aug 22 02:54 PM

Page Number : 2
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	10.055	1949	406	VV	0.080	0.1843
49	10.203	4228	512	VV	0.112	0.3998
50	10.415	1543	316	VV	0.081	0.1459
51	10.588	3630	421	VV	0.120	0.3432
52	10.773	941	257	VV	0.061	0.0890
53	10.904	2115	223	VV	0.142	0.1999
54	11.081	758	230	VV	0.055	0.0716
55	11.158	411	192	VV	0.036	0.0389
56	11.217	583	228	VV	0.043	0.0551
57	11.295	417	191	VV	0.036	0.0395
58	11.364	936	194	VV	0.080	0.0885
59	11.492	1985	238	VV	0.121	0.1877
60	11.813	1275	174	VV	0.122	0.1206
61	12.006	660	180	PV	0.061	0.0624
62	12.095	923	179	VV	0.086	0.0873
63	12.197	948	272	VV	0.058	0.0896
64	12.382	946	157	PV	0.096	0.0894
65	12.468	732	212	VV	0.058	0.0692
66	12.603	834	172	VV	0.074	0.0789
67	12.851	1525	162	VV	0.158	0.1442
68	12.962	366	160	VV	0.037	0.0346
69	13.017	268	108	VV	0.041	0.0253
70	13.082	883	111	VV	0.133	0.0835
71	13.240	877	167	VV	0.075	0.0829
72	13.389	487	216	VV	0.038	0.0461
73	13.455	255	89	VV	0.048	0.0241
74	13.562	483	166	VV	0.049	0.0457
75	13.641	374	162	VV	0.038	0.0353
76	13.724	631	128	VV	0.082	0.0596
77	13.879	376	110	VV	0.057	0.0356
78	13.928	1211	155	VV	0.130	0.1145
79	14.216	650	140	VV	0.067	0.0614
80	14.360	556	132	VV	0.073	0.0526
81	14.515	473	133	VV	0.059	0.0447
82	14.590	329	134	VV	0.041	0.0311
83	14.662	605	135	PV	0.075	0.0572
84	14.810	469	125	VV	0.063	0.0443
85	14.893	291	150	VV	0.032	0.0275
86	15.010	591	134	VV	0.092	0.0558

Total area = 1057580

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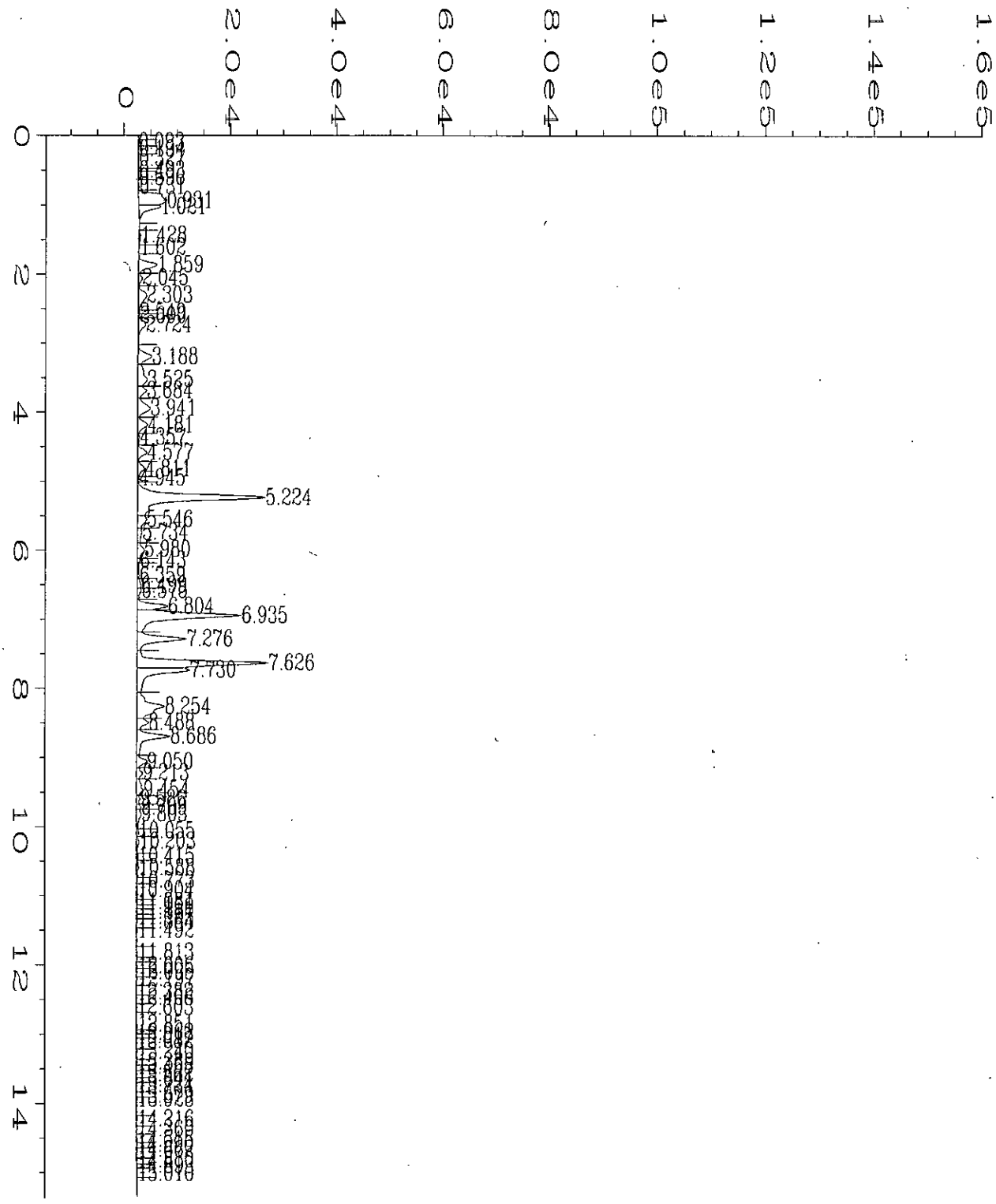
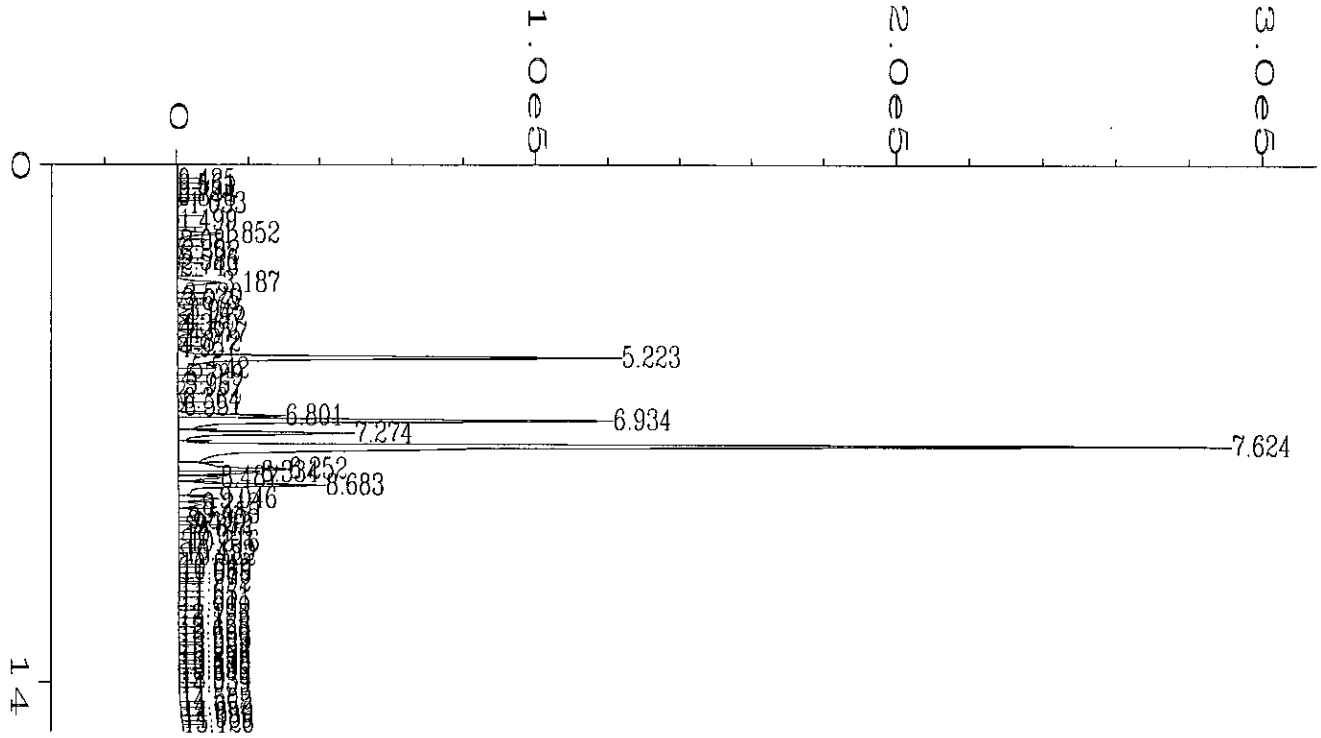


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\013F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 13
Sample Name	: 500GX 66-54C#2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 02:39 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 02:54 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\013R0101.D
Operator : awb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 26 Aug 22 02:39 PM
Report Created on: 26 Aug 22 02:54 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\013R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.425	601	110	PV	0.091	0.0112
2	0.561	566	132	VV	0.067	0.0106
3	0.734	374	82	PV	0.076	0.0070
4	0.848	379	105	VV	0.057	0.0071
5	1.033	13968	3062	VV	0.068	0.2613
6	1.499	4261	468	VV	0.118	0.0797
7	1.852	74640	12356	VV	0.093	1.3962
8	2.082	6035	720	VV	0.140	0.1129
9	2.352	14202	1026	VV	0.176	0.2657
10	2.586	4437	712	VV	0.090	0.0830
11	2.743	5815	703	VV	0.117	0.1088
12	3.187	104981	12442	PV	0.123	1.9637
13	3.520	13348	1738	VV	0.117	0.2497
14	3.675	9423	1271	VV	0.107	0.1763
15	3.945	21089	2559	VV	0.126	0.3945
16	4.187	15020	1815	VV	0.128	0.2810
17	4.360	4562	603	VV	0.103	0.0853
18	4.577	19967	3137	VV	0.100	0.3735
19	4.812	8690	1229	VV	0.104	0.1625
20	4.957	1144	286	VV	0.067	0.0214

21	5.223	791415	124913	VV	0.095	14.8038
22	5.542	32505	3563	VV	0.152	0.6080
23	5.729	16178	1932	VV	0.140	0.3026
24	5.967	28160	1989	VV	0.190	0.5268
25	6.364	11776	1107	VV	0.152	0.2203
26	6.557	18439	1606	VV	0.147	0.3449
27	6.801	143126	30022	VV	0.073	2.6772
28	6.934	724250	121930	VV	0.089	13.5475
29	7.274	292415	50127	VV	0.087	5.4698
30	7.624	1976601	293852	VV	0.097	36.9733
31	8.252	230489	30982	VV	0.105	4.3114
32	8.334	113514	23000	VV	0.082	2.1233
33	8.487	73846	11834	VV	0.091	1.3813
34	8.683	256355	41535	VV	0.090	4.7952
35	9.046	67279	11407	VV	0.088	1.2585
36	9.213	39111	6403	VV	0.090	0.7316
37	9.455	64089	6533	VV	0.132	1.1988
38	9.595	13603	2611	VV	0.076	0.2544
39	9.722	21200	3963	VV	0.078	0.3966
40	9.812	35025	4614	VV	0.111	0.6552
41	10.051	11667	1471	VV	0.110	0.2182
42	10.216	19886	2482	VV	0.117	0.3720
43	10.453	8280	1278	VV	0.092	0.1549
44	10.582	13815	1618	VV	0.117	0.2584
45	10.842	1103	240	VV	0.076	0.0206
46	10.969	2733	370	VV	0.109	0.0511
47	11.076	1274	275	VV	0.077	0.0238
48	11.292	160	90	PV	0.029	0.0030
49	11.651	783	157	PV	0.083	0.0146
50	11.811	1718	197	VV	0.117	0.0321
51	11.999	424	126	PV	0.060	0.0079
52	12.195	932	108	VV	0.129	0.0174
53	12.458	583	79	PV	0.140	0.0109
54	12.608	325	78	PV	0.059	0.0061
55	12.802	975	121	VV	0.117	0.0182
56	12.959	273	108	VV	0.042	0.0051
57	13.084	1326	156	VV	0.119	0.0248
58	13.236	140	71	VV	0.033	0.0026
59	13.378	435	124	PV	0.058	0.0081
60	13.492	294	95	PV	0.051	0.0055
61	13.548	494	170	VV	0.049	0.0092
62	13.639	185	92	VV	0.034	0.0035
63	13.696	284	105	VV	0.045	0.0053
64	13.934	1399	190	PV	0.106	0.0262
65	14.039	380	99	VV	0.064	0.0071
66	14.502	1147	62	PV	0.229	0.0215
67	14.652	370	135	PV	0.052	0.0069
68	14.850	1044	203	PV	0.076	0.0195
69	14.989	501	141	VV	0.059	0.0094
70	15.126	209	90	PV	0.039	0.0039

Total area = 5346019

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\013R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\013F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 13
Sample Name : 500GX 66-54C#2 Injection Number : 1
Acquired on : 26-Aug-22 2:39 PM
Report Created on: 26 Aug 22 02:54 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
95	FID	7.626	131876	1.38E+05
109	PID	7.624	1976601	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
3.98 ppb	FID	3.188	19183	4.82E+03
4.08 ppb	PID	3.187	104981	2.57E+04
Toluene				
35.70 ppb	FID	5.224	168101	4.71E+03
31.54 ppb	PID	5.223	791415	2.51E+04
Ethylbenzene				
8.05 ppb	FID	6.804	28622	3.56E+03
7.49 ppb	PID	6.801	143126	1.91E+04
m,p-Xylenes				
30.71 ppb	FID	6.935	123896	4.03E+03
27.32 ppb	PID	6.934	724250	2.65E+04
o-Xylene				
12.49 ppb	FID	7.276	54906	4.40E+03
11.46 ppb	PID	7.274	292415	2.55E+04
Nap-PID, C12-FID				
0.10 ppb	FID	11.158	411	4.16E+03
0.06 ppb	PID	11.076	2733	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
461.37 ppb	FID		708104	1.53E+03
490.60 ppb	PID		2930692	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-131876	1.15E+03
808.01 ppb	PID		-1976601	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\025F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000GX 66-54C#3
Run Time Bar Code:
Acquired on : 26 Aug 22 08:01 PM
Report Created on: 26 Aug 22 08:17 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\025F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.113	396	164	BV	0.042	0.0218
2	0.231	802	240	VV	0.056	0.0442
3	0.323	1252	319	VV	0.059	0.0690
4	0.480	867	233	PV	0.062	0.0478
5	0.537	599	236	VV	0.042	0.0330
6	0.598	1174	265	VV	0.074	0.0647
7	0.745	750	276	VV	0.045	0.0414
8	0.893	88924	10055	VV	0.143	4.9030
9	1.029	35135	6071	VV	0.096	1.9372
10	1.450	7799	624	VV	0.167	0.4300
11	1.622	2226	375	VV	0.099	0.1227
12	1.864	40343	5962	VV	0.104	2.2244
13	2.066	9218	1391	VV	0.092	0.5082
14	2.302	25412	2253	VV	0.160	1.4012
15	2.725	25498	2517	VV	0.143	1.4059
16	3.188	29217	3645	VV	0.119	1.6109
17	3.527	36869	2792	VV	0.175	2.0329
18	3.690	17232	2366	VV	0.106	0.9501
19	3.948	35061	3680	VV	0.140	1.9331
20	4.179	23246	2810	VV	0.118	1.2817
21	4.578	20680	2905	VV	0.108	1.1402
22	4.805	18724	2045	VV	0.134	1.0324
23	5.224	325441	48403	VV	0.100	17.9439
24	5.548	24484	2882	VV	0.116	1.3500
25	5.734	14167	1480	VV	0.128	0.7811
26	5.983	21197	1969	VV	0.142	1.1687
27	6.354	7903	746	VV	0.141	0.4357
28	6.513	13604	1080	VV	0.172	0.7501
29	6.802	49140	10036	VV	0.075	2.7095
30	6.934	227670	37821	VV	0.090	12.5531
31	7.276	99991	17330	VV	0.086	5.5132
32	7.626	129617	25003	VV	0.078	7.1467
33	7.734	114192	17837	VV	0.092	6.2962
34	8.253	107698	10982	VV	0.133	5.9382
35	8.488	26040	4394	VV	0.087	1.4358
36	8.684	84294	14237	VV	0.087	4.6477
37	9.049	24691	4371	VV	0.084	1.3614
38	9.217	14939	2279	VV	0.094	0.8237
39	9.457	24757	2448	VV	0.135	1.3650
40	9.597	5986	1176	VV	0.077	0.3300
41	9.730	10151	1888	VV	0.090	0.5597
42	9.816	14983	2016	VV	0.104	0.8261
43	10.063	5706	785	VV	0.097	0.3146
44	10.221	8893	1019	VV	0.129	0.4903
45	10.456	4631	751	VV	0.087	0.2553
46	10.582	4668	762	VV	0.085	0.2574
47	10.697	1676	395	VV	0.071	0.0924

Data File Name : C:\HPCHEM\2\DATA\08-26-22\025F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 25
Sample Name : 1000GX 66-54C#3
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 26 Aug 22 08:01 PM
Instrument Method: GX.MTH
Report Created on: 26 Aug 22 08:17 PM
Analysis Method : GX.MTH

48	10.772	2036	393	VV	0.086	0.1123
49	10.963	1821	290	VV	0.105	0.1004
50	11.124	2655	315	VV	0.116	0.1464
51	11.346	1221	156	VV	0.131	0.0673
52	11.429	634	214	VV	0.049	0.0350
53	11.508	895	206	VV	0.072	0.0493
54	11.642	1233	227	VV	0.090	0.0680
55	11.749	775	173	VV	0.075	0.0428
56	11.847	827	164	VV	0.084	0.0456
57	12.040	755	204	VV	0.062	0.0416
58	12.105	401	139	VV	0.048	0.0221
59	12.184	922	158	VV	0.097	0.0508
60	12.321	1951	137	VV	0.181	0.1076
61	12.745	854	243	VV	0.059	0.0471
62	12.906	824	164	PV	0.077	0.0454
63	13.079	332	105	VV	0.053	0.0183
64	13.135	607	163	VV	0.062	0.0335
65	13.260	341	145	PV	0.039	0.0188
66	13.347	769	112	VV	0.114	0.0424
67	13.503	444	116	VV	0.064	0.0245
68	13.652	414	154	PB	0.043	0.0228
69	14.012	1016	158	PV	0.100	0.0560
70	14.227	411	131	VV	0.053	0.0226
71	14.345	284	88	VV	0.054	0.0157
72	14.428	515	186	PV	0.046	0.0284
73	14.555	963	103	VV	0.120	0.0531
74	14.785	349	156	VV	0.044	0.0192
75	14.835	725	110	PV	0.110	0.0400
76	15.046	307	93	VV	0.055	0.0169
77	15.106	120	90	PV	0.022	0.0066
78	15.211	315	102	VBA	0.051	0.0174

Total area = 1813659

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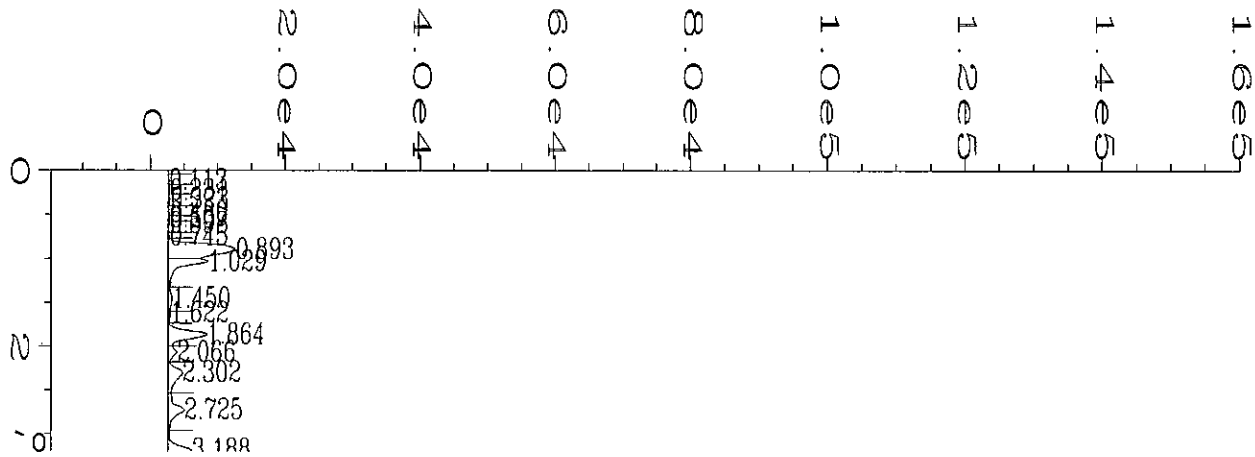
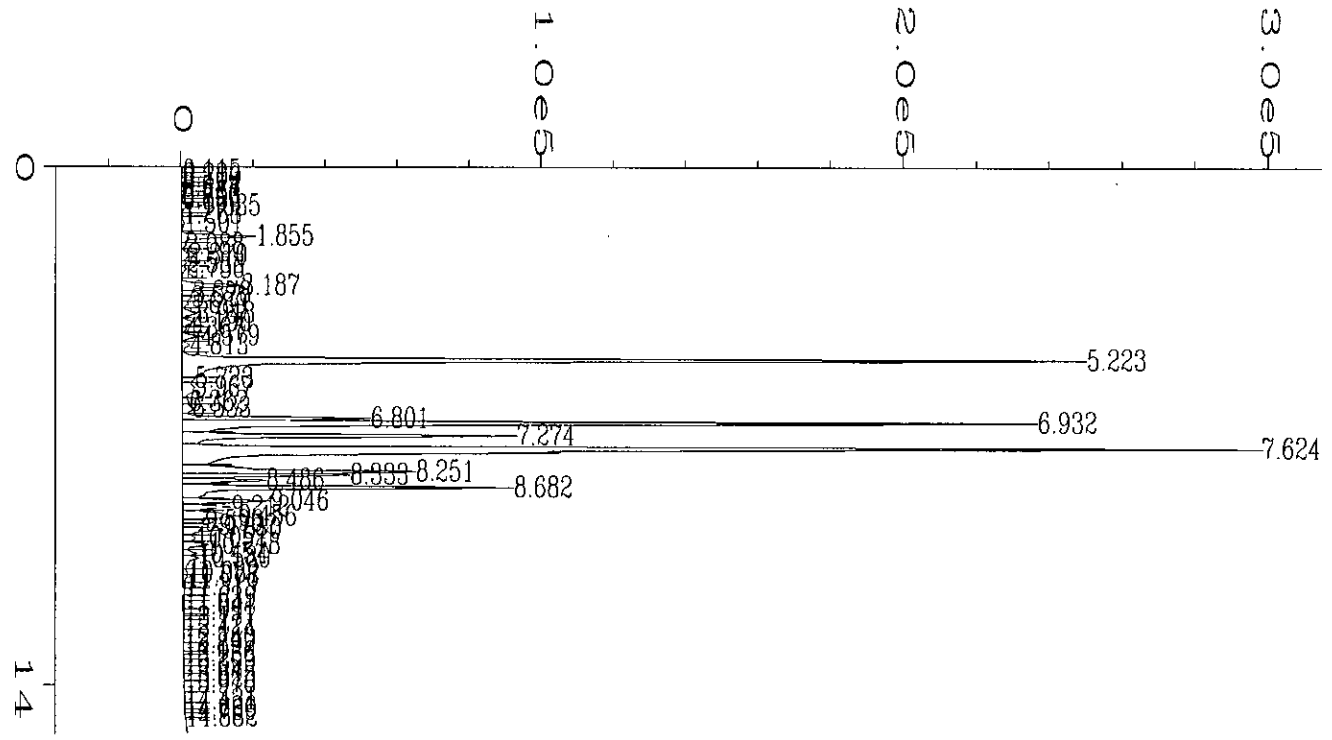


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\025F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 25
Sample Name	: 1000GX 66-54C#3	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 08:01 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 08:17 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\025R0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000GX 66-54C#3
Run Time Bar Code:
Acquired on : 26 Aug 22 08:01 PM
Report Created on: 26 Aug 22 08:17 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\025R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.115	542	159	BV	0.057	0.0062
2	0.223	545	160	VV	0.051	0.0062
3	0.309	489	129	VV	0.063	0.0056
4	0.474	566	169	PV	0.056	0.0064
5	0.547	647	134	VV	0.069	0.0074
6	0.746	477	155	PV	0.051	0.0054
7	0.803	534	185	VV	0.048	0.0061
8	0.885	920	187	VV	0.069	0.0105
9	1.035	26782	5905	VV	0.068	0.3046
10	1.268	1185	318	VV	0.062	0.0135
11	1.501	8732	747	VV	0.157	0.0993
12	1.855	127225	20447	VV	0.096	1.4469
13	2.088	8712	1165	VV	0.097	0.0991
14	2.370	24341	1904	VV	0.186	0.2768
15	2.583	7751	1237	VV	0.094	0.0882
16	2.736	11667	1176	VV	0.134	0.1327
17	3.187	121402	16516	VV	0.111	1.3807
18	3.378	22120	2992	VV	0.123	0.2516
19	3.527	19801	2620	VV	0.109	0.2252
20	3.689	13961	1882	VV	0.107	0.1588

21	3.948	35321	4105	VV	0.129	0.4017
22	4.190	26404	2951	VV	0.134	0.3003
23	4.367	8762	1166	VV	0.108	0.0996
24	4.579	35471	5324	VV	0.103	0.4034
25	4.813	19042	2126	VV	0.132	0.2166
26	5.223	1641017	252977	VV	0.097	18.6626
27	5.723	26468	3619	VV	0.122	0.3010
28	5.967	62654	3475	VV	0.233	0.7125
29	6.362	15874	1824	VV	0.123	0.1805
30	6.533	35968	2841	VV	0.183	0.4090
31	6.801	250992	52622	VV	0.073	2.8544
32	6.932	1381474	237994	VV	0.087	15.7110
33	7.274	549622	95167	VV	0.086	6.2506
34	7.624	2226400	301116	VV	0.105	25.3200
35	8.251	451600	65198	VV	0.099	5.1359
36	8.333	224145	46723	VV	0.080	2.5491
37	8.486	138601	23544	VV	0.087	1.5763
38	8.682	537712	92866	VV	0.086	6.1152
39	9.046	142584	25144	VV	0.085	1.6216
40	9.212	79880	13533	VV	0.087	0.9084
41	9.456	145379	15430	VV	0.128	1.6533
42	9.596	31604	6050	VV	0.076	0.3594
43	9.722	51919	9877	VV	0.077	0.5905
44	9.810	81546	11209	VV	0.106	0.9274
45	10.052	29096	3594	VV	0.114	0.3309
46	10.218	53270	7111	VV	0.111	0.6058
47	10.454	24691	3793	VV	0.093	0.2808
48	10.580	42589	4459	VV	0.130	0.4843
49	10.982	9325	1207	VV	0.110	0.1060
50	11.078	8847	1083	VV	0.118	0.1006
51	11.313	4015	543	VV	0.103	0.0457
52	11.639	2509	395	VV	0.104	0.0285
53	11.841	2923	260	VV	0.154	0.0332
54	11.991	2220	297	VV	0.098	0.0252
55	12.177	1401	256	VV	0.091	0.0159
56	12.424	2817	259	VV	0.182	0.0320
57	12.740	2881	218	VV	0.197	0.0328
58	12.897	953	111	VV	0.143	0.0108
59	13.126	405	115	VV	0.059	0.0046
60	13.253	410	103	PV	0.061	0.0047
61	13.390	1351	180	VV	0.114	0.0154
62	13.643	725	110	VV	0.110	0.0082
63	13.823	672	97	PV	0.119	0.0076
64	13.976	1246	122	PV	0.158	0.0142
65	14.421	1231	119	VV	0.173	0.0140
66	14.626	274	66	PV	0.069	0.0031
67	14.709	180	74	PV	0.041	0.0020
68	14.882	194	47	PV	0.069	0.0022

Total area = 8793059

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\025R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\025F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 25

Sample Name : 1000GX 66-54C#3 Injection Number : 1

Acquired on : 26-Aug-22 8:01 PM

Report Created on: 26 Aug 22 08:17 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
94	FID	7.626	129617	1.38E+05
122	PID	7.624	2226400	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
6.06 ppb	FID	3.188	29217	4.82E+03
4.72 ppb	PID	3.187	121402	2.57E+04
Toluene				
69.12 ppb	FID	5.224	325441	4.71E+03
65.39 ppb	PID	5.223	1641017	2.51E+04
Ethylbenzene				
13.82 ppb	FID	6.802	49140	3.56E+03
13.13 ppb	PID	6.801	250992	1.91E+04
m,p-Xylenes				
56.43 ppb	FID	6.934	227670	4.03E+03
52.11 ppb	PID	6.932	1381474	2.65E+04
o-Xylene				
22.74 ppb	FID	7.276	99991	4.40E+03
21.55 ppb	PID	7.274	549622	2.55E+04
Nap-PID, C12-FID				
0.64 ppb	FID	11.124	2655	4.16E+03
0.21 ppb	PID	11.078	9325	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
844.97 ppb	FID		1296850	1.53E+03
940.52 ppb	PID		5618411	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-129617	1.15E+03
910.12 ppb	PID		-2226400	-2.45E+03

NWTPH-Gx
Quality Assurance Data

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1750 lcsg
Run Time Bar Code:
Acquired on : 26 Aug 22 03:32 PM
Report Created on: 26 Aug 22 03:48 PM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\015F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.133	426	132	BV	0.054	0.0236
2	0.268	1261	206	VV	0.105	0.0697
3	0.446	1238	193	VV	0.103	0.0685
4	0.535	580	186	VV	0.052	0.0321
5	0.621	762	194	VV	0.065	0.0422
6	0.688	458	148	VV	0.052	0.0253
7	0.845	77207	12015	VV	0.095	4.2693
8	1.033	32166	5440	VV	0.084	1.7787
9	1.439	7086	548	VV	0.197	0.3918
10	1.863	41260	6072	VV	0.107	2.2816
11	2.065	9051	1375	VV	0.091	0.5005
12	2.302	26481	2363	VV	0.159	1.4643
13	2.729	25020	2489	VV	0.149	1.3836
14	3.190	33658	4358	VV	0.115	1.8612
15	3.400	9975	1833	VV	0.084	0.5516
16	3.524	25643	2916	VV	0.123	1.4180
17	3.686	17684	2476	VV	0.105	0.9779
18	3.948	34892	3802	VV	0.138	1.9294
19	4.179	21169	2789	VV	0.114	1.1706
20	4.343	3932	538	VV	0.098	0.2174
21	4.581	20634	2949	VV	0.110	1.1410
22	4.808	18313	1981	VV	0.130	1.0127
23	5.223	330178	49117	VV	0.099	18.2580
24	5.539	22567	2756	VV	0.112	1.2479
25	5.733	13995	1392	VV	0.136	0.7739
26	5.983	19775	1859	VV	0.141	1.0935
27	6.224	2064	544	VV	0.056	0.1142
28	6.338	4718	608	VV	0.105	0.2609
29	6.561	13209	1156	VV	0.154	0.7304
30	6.801	53140	10868	VV	0.075	2.9385
31	6.934	240346	40048	VV	0.090	13.2905
32	7.275	103850	18407	VV	0.085	5.7426
33	7.626	130807	25163	VV	0.078	7.2333
34	7.733	115516	18135	VV	0.091	6.3877
35	8.253	107004	11126	VV	0.130	5.9170
36	8.488	25041	4375	VV	0.085	1.3847
37	8.684	84037	14589	VV	0.085	4.6470
38	9.049	24118	4265	VV	0.086	1.3336
39	9.213	13328	2290	VV	0.084	0.7370
40	9.458	24085	2440	VV	0.130	1.3318
41	9.606	6239	1191	VV	0.075	0.3450
42	9.722	9099	1846	VV	0.072	0.5032
43	9.810	14413	1949	VV	0.102	0.7970
44	10.059	4745	646	VV	0.104	0.2624
45	10.224	7874	980	VV	0.108	0.4354
46	10.457	3478	607	VV	0.085	0.1923
47	10.567	4421	716	VV	0.087	0.2444

Data File Name : C:\HPCHEM\2\DATA\08-26-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1750 lcsg
Run Time Bar Code:
Acquired on : 26 Aug 22 03:32 PM
Report Created on: 26 Aug 22 03:48 PM

Page Number : 2
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	10.712	1397	312	VV	0.075	0.0773
49	10.976	786	237	VV	0.053	0.0435
50	11.056	443	165	VV	0.045	0.0245
51	11.128	397	164	VV	0.041	0.0220
52	11.207	185	121	PB	0.042	0.0102
53	11.535	304	117	PV	0.041	0.0168
54	11.588	241	129	VV	0.031	0.0133
55	11.640	369	128	VV	0.048	0.0204
56	11.704	129	85	VV	0.025	0.0071
57	11.766	909	153	PV	0.099	0.0503
58	11.897	592	216	VV	0.046	0.0328
59	11.984	704	188	VV	0.057	0.0389
60	12.102	1095	208	PV	0.074	0.0605
61	12.228	394	127	VV	0.052	0.0218
62	12.294	436	269	VV	0.027	0.0241
63	12.354	1762	240	VV	0.137	0.0974
64	12.609	301	115	PV	0.050	0.0166
65	12.680	473	175	VV	0.042	0.0261
66	12.794	1812	189	VV	0.164	0.1002
67	13.066	455	198	VV	0.044	0.0252
68	13.190	595	138	VV	0.072	0.0329
69	13.252	260	144	VV	0.030	0.0144
70	13.328	576	94	VB	0.102	0.0318
71	13.559	798	142	BV	0.094	0.0441
72	13.729	397	134	VV	0.050	0.0220
73	13.922	594	142	VV	0.070	0.0329
74	14.072	493	142	VV	0.058	0.0272
75	14.145	571	149	VV	0.064	0.0316
76	14.345	942	105	VV	0.149	0.0521
77	14.686	1004	127	PV	0.144	0.0555
78	14.885	384	96	VV	0.067	0.0213
79	14.960	504	163	VV	0.052	0.0279
80	15.084	442	147	VV	0.050	0.0245
81	15.211	716	179	PV	0.061	0.0396

Total area = 1808403

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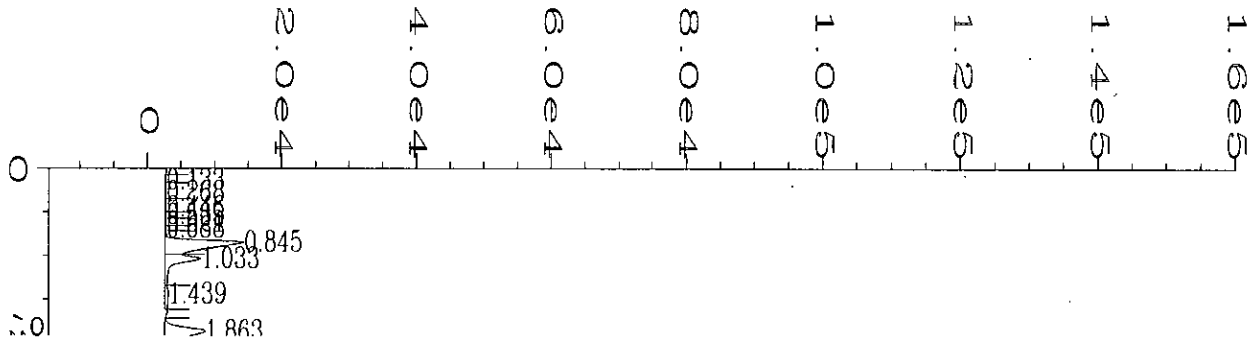
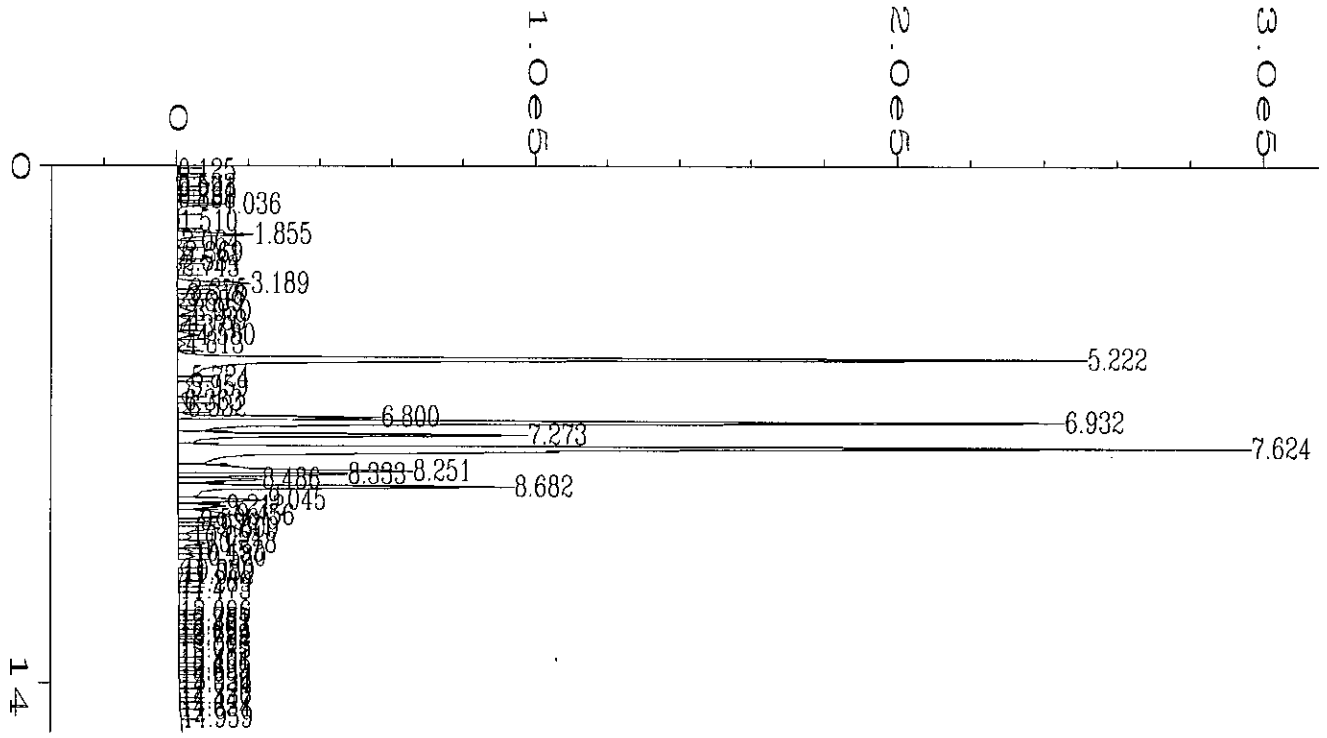


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\015F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 15
Sample Name	: 02-1750 lcsg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 03:32 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 03:48 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\015R0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1750 lcsg
Run Time Bar Code:
Acquired on : 26 Aug 22 03:32 PM
Report Created on: 26 Aug 22 03:48 PM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\015R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.125	338	84	BV	0.060	0.0038
2	0.532	1163	114	PV	0.171	0.0129
3	0.591	355	103	VV	0.057	0.0039
4	0.760	800	186	VV	0.066	0.0089
5	0.888	463	93	VV	0.075	0.0052
6	1.036	62165	13619	PV	0.069	0.6912
7	1.510	7168	654	VV	0.149	0.0797
8	1.855	128957	21248	VV	0.094	1.4338
9	2.064	8935	1106	VV	0.107	0.0993
10	2.369	23434	1919	VV	0.170	0.2605
11	2.584	7643	1194	VV	0.086	0.0850
12	2.743	10024	1127	VV	0.126	0.1115
13	3.189	149089	20532	VV	0.108	1.6576
14	3.375	23037	3356	VV	0.114	0.2561
15	3.518	21558	2732	VV	0.109	0.2397
16	3.689	14313	1947	VV	0.110	0.1591
17	3.950	35450	4282	VV	0.126	0.3941
18	4.189	26210	3053	VV	0.126	0.2914
19	4.371	9706	1221	VV	0.117	0.1079
20	4.580	35097	5428	VV	0.100	0.3902

21	4.813	18985	2150	VV	0.130	0.2111
22	5.222	1659844	254598	VV	0.097	18.4547
23	5.724	27312	3747	VV	0.121	0.3037
24	5.959	62936	3413	VV	0.233	0.6997
25	6.363	14747	1784	VV	0.116	0.1640
26	6.532	35362	2899	VV	0.159	0.3932
27	6.800	270871	57055	VV	0.073	3.0116
28	6.932	1434742	246997	VV	0.088	15.9520
29	7.273	575864	99914	VV	0.086	6.4027
30	7.624	2232290	298961	VV	0.106	24.8194
31	8.251	456586	65910	VV	0.098	5.0765
32	8.333	225994	47376	VV	0.080	2.5127
33	8.486	139479	23729	VV	0.087	1.5508
34	8.682	541799	94533	VV	0.085	6.0239
35	9.045	143981	25377	VV	0.085	1.6008
36	9.212	80032	13577	VV	0.087	0.8898
37	9.456	150208	16211	VV	0.125	1.6701
38	9.596	31109	6074	VV	0.074	0.3459
39	9.721	53097	10273	VV	0.076	0.5904
40	9.809	84843	11810	VV	0.105	0.9433
41	10.054	29488	3670	VV	0.113	0.3279
42	10.218	55978	7625	VV	0.108	0.6224
43	10.453	27285	4088	VV	0.096	0.3034
44	10.580	29780	4646	VV	0.093	0.3311
45	10.980	9758	1282	VV	0.120	0.1085
46	11.072	9971	1178	VV	0.141	0.1109
47	11.289	3704	444	VV	0.111	0.0412
48	11.473	3415	426	VV	0.133	0.0380
49	12.096	1307	239	VV	0.074	0.0145
50	12.287	1664	232	VV	0.120	0.0185
51	12.351	813	212	VV	0.064	0.0090
52	12.453	757	148	VV	0.085	0.0084
53	12.654	1032	193	PV	0.088	0.0115
54	12.722	422	144	VV	0.049	0.0047
55	12.772	478	142	VV	0.056	0.0053
56	12.882	641	171	VV	0.067	0.0071
57	13.075	2638	195	VV	0.170	0.0293
58	13.401	1238	205	VV	0.090	0.0138
59	13.496	804	201	VV	0.067	0.0089
60	13.635	814	183	VV	0.064	0.0090
61	13.693	494	143	VV	0.058	0.0055
62	13.936	1636	237	PV	0.097	0.0182
63	14.024	868	144	VV	0.086	0.0097
64	14.336	1194	169	PV	0.094	0.0133
65	14.447	518	143	VV	0.056	0.0058
66	14.654	682	153	PV	0.090	0.0076
67	14.959	781	104	PV	0.126	0.0087

Total area = 8994144

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\015R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\015F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 15

Sample Name : 02-1750 lcsg Injection Number : 1

Acquired on : 26-Aug-22 3:32 PM

Report Created on: 26 Aug 22 03:48 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
95	FID	7.626	130807	1.38E+05
123	PID	7.624	2232290	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
6.99 ppb	FID	3.190	33658	4.82E+03
5.79 ppb	PID	3.189	149089	2.57E+04
Toluene				
70.12 ppb	FID	5.223	330178	4.71E+03
66.14 ppb	PID	5.222	1659844	2.51E+04
Ethylbenzene				
14.95 ppb	FID	6.801	53140	3.56E+03
14.17 ppb	PID	6.800	270871	1.91E+04
m,p-Xylenes				
59.57 ppb	FID	6.934	240346	4.03E+03
54.12 ppb	PID	6.932	1434742	2.65E+04
o-Xylene				
23.62 ppb	FID	7.275	103850	4.40E+03
22.58 ppb	PID	7.273	575864	2.55E+04
Nap-PID, C12-FID				
0.10 ppb	FID	11.128	397	4.16E+03
0.22 ppb	PID	11.072	9971	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
860.93 ppb	FID		1321340	1.53E+03
967.40 ppb	PID		5778981	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-130807	1.15E+03
912.53 ppb	PID		-2232290	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\017F0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1750 mb
Run Time Bar Code:
Acquired on : 26 Aug 22 04:26 PM
Report Created on: 26 Aug 22 04:41 PM
Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\017F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.107	96	73	BV	0.022	0.0395
2	0.227	313	128	PV	0.041	0.1292
3	0.291	628	216	VV	0.048	0.2592
4	0.420	1161	118	PV	0.164	0.4791
5	0.732	528	197	VV	0.045	0.2180
6	0.924	18556	1633	VV	0.148	7.6559
7	1.159	938	219	VV	0.061	0.3870
8	1.244	431	148	VV	0.049	0.1777
9	1.430	1522	246	PV	0.085	0.6278
10	2.014	367	161	PV	0.048	0.1514
11	2.343	9696	1138	PV	0.117	4.0003
12	2.556	524	184	VV	0.048	0.2162
13	2.744	838	138	VV	0.101	0.3457
14	2.825	663	178	VV	0.063	0.2734
15	2.995	1401	144	VV	0.176	0.5781
16	3.191	296	124	VV	0.040	0.1220
17	3.236	570	130	VV	0.073	0.2353
18	3.359	492	146	VV	0.056	0.2029
19	3.517	1236	227	VV	0.074	0.5099
20	3.649	869	205	PV	0.064	0.3583
21	3.764	842	159	VV	0.088	0.3475
22	3.939	1650	279	VV	0.099	0.6808
23	4.122	469	136	PV	0.058	0.1934
24	4.216	610	106	VV	0.096	0.2517
25	4.309	857	123	VV	0.116	0.3535
26	4.466	259	126	VV	0.034	0.1068
27	4.592	1123	139	VV	0.119	0.4634
28	4.822	635	189	VV	0.052	0.2618
29	4.943	603	103	VV	0.098	0.2489
30	5.122	473	160	PV	0.049	0.1952
31	5.175	1018	111	VV	0.153	0.4201
32	5.382	215	90	VV	0.040	0.0886
33	5.461	679	121	VV	0.084	0.2803
34	5.801	322	147	VB	0.038	0.1328
35	6.121	220	133	BV	0.028	0.0908
36	6.236	242	148	PV	0.027	0.0998
37	6.299	546	167	VV	0.054	0.2252
38	6.414	362	130	VV	0.046	0.1493
39	6.488	631	186	VV	0.056	0.2605
40	6.622	261	94	VV	0.046	0.1076
41	6.937	600	124	PV	0.099	0.2477
42	6.981	558	136	VV	0.069	0.2304
43	7.094	359	94	VV	0.064	0.1482
44	7.627	136501	22816	BV	0.089	56.3163
45	8.076	2892	440	VV	0.110	1.1930
46	8.215	1200	317	VV	0.063	0.4951
47	8.296	1168	309	VV	0.063	0.4820

Data File Name : C:\HPCHEM\2\DATA\08-26-22\017F0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1750 mb
Run Time Bar Code:
Acquired on : 26 Aug 22 04:26 PM
Report Created on: 26 Aug 22 04:41 PM

Page Number : 2
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	8.425	2796	409	VV	0.118	1.1536
49	8.547	2087	255	VV	0.136	0.8609
50	8.742	732	200	VV	0.061	0.3020
51	8.858	1319	199	VV	0.111	0.5443
52	8.998	980	198	VV	0.082	0.4044
53	9.148	747	188	VV	0.066	0.3081
54	9.408	1915	184	VV	0.176	0.7899
55	9.545	1308	175	VV	0.130	0.5395
56	9.790	1740	171	VV	0.146	0.7178
57	10.026	943	218	VV	0.072	0.3892
58	10.407	1318	160	VV	0.149	0.5436
59	10.571	1002	145	VV	0.115	0.4136
60	10.774	451	215	VV	0.035	0.1860
61	11.056	1890	166	VV	0.185	0.7798
62	11.252	812	162	VV	0.089	0.3349
63	11.351	643	228	VV	0.047	0.2651
64	11.491	1101	119	VV	0.137	0.4544
65	11.766	1787	173	VV	0.172	0.7374
66	11.889	1357	215	VV	0.093	0.5599
67	12.037	716	169	VV	0.063	0.2952
68	12.237	1540	226	PV	0.104	0.6355
69	12.347	390	193	VV	0.034	0.1610
70	12.416	659	239	VV	0.046	0.2719
71	12.480	1202	154	VV	0.130	0.4960
72	12.665	604	241	VV	0.042	0.2491
73	12.784	913	163	VV	0.093	0.3768
74	12.869	613	144	VV	0.071	0.2527
75	12.945	437	229	VV	0.032	0.1803
76	13.001	945	190	PV	0.083	0.3900
77	13.150	508	162	VV	0.052	0.2097
78	13.214	575	164	VV	0.059	0.2372
79	13.293	516	184	VV	0.047	0.2130
80	13.500	2062	189	VV	0.182	0.8509
81	13.800	2567	227	VV	0.190	1.0592
82	14.097	461	159	VV	0.048	0.1903
83	14.152	993	196	VV	0.084	0.4095
84	14.278	246	156	VV	0.026	0.1016
85	14.403	1356	204	PV	0.113	0.5594
86	14.583	718	133	VV	0.090	0.2961
87	14.681	814	124	VV	0.092	0.3360
88	14.857	723	107	VV	0.112	0.2982
89	14.991	729	198	VV	0.061	0.3008
90	15.178	745	153	VBA	0.074	0.3076

Total area = 242383

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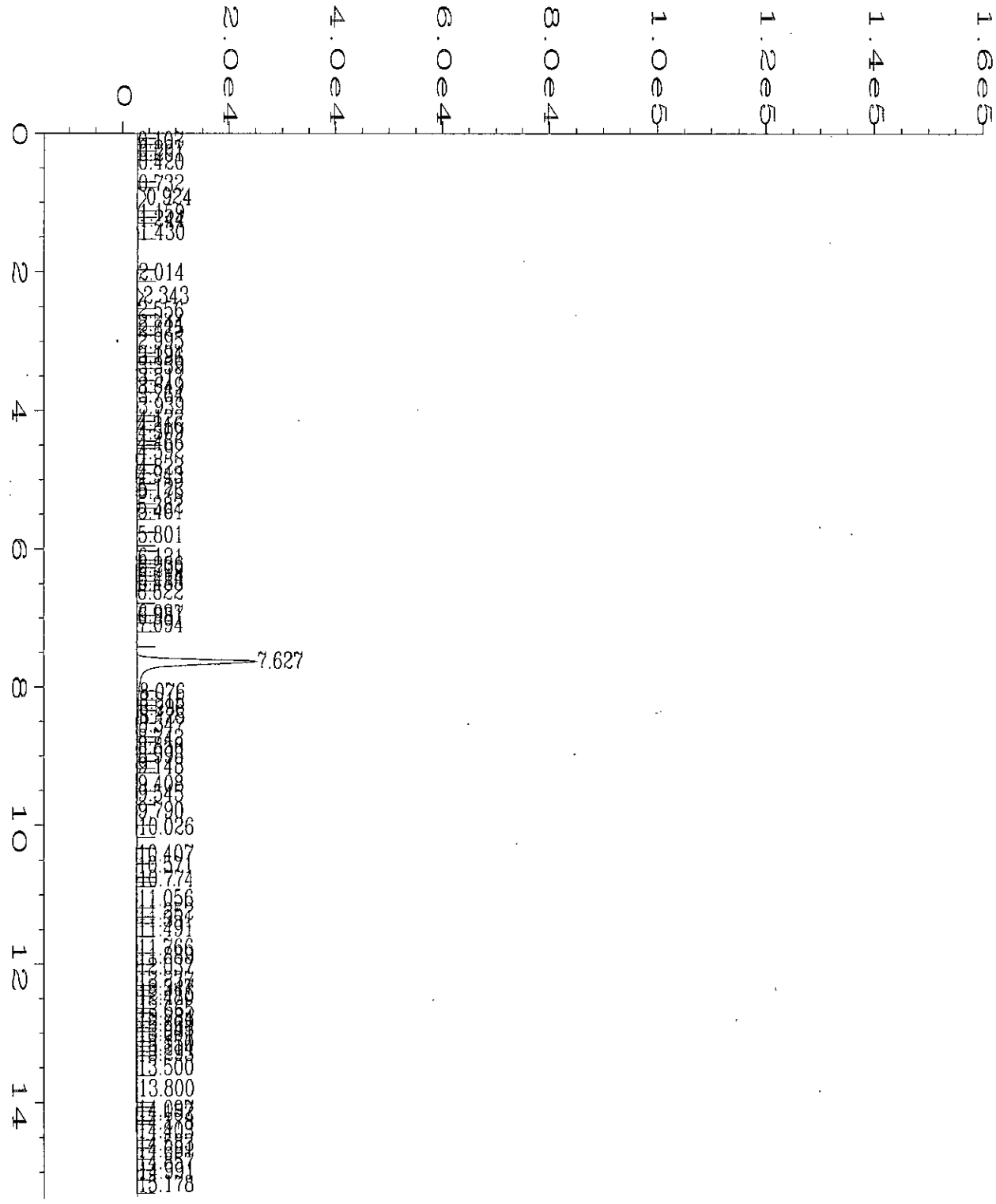
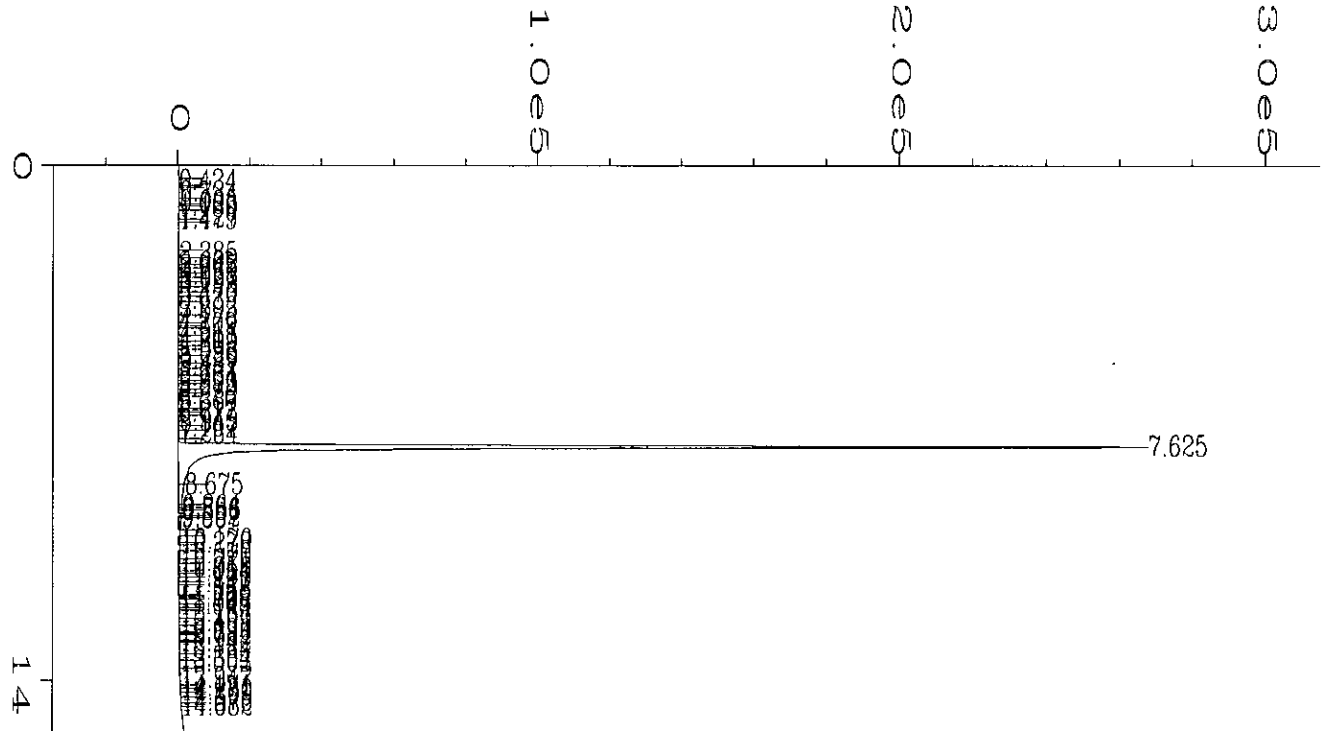


Data File Name : C:\HPCHEM\2\DATA\08-26-22\017F0101.D

Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 17
Sample Name	: 02-1750 mb	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 04:26 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 04:41 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\017R0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1750 mb
Run Time Bar Code:
Acquired on : 26 Aug 22 04:26 PM
Report Created on: 26 Aug 22 04:42 PM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\017R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.424	460	107	PV	0.082	0.0247
2	0.734	1096	162	PV	0.096	0.0588
3	0.995	699	126	VV	0.092	0.0375
4	1.066	120	74	VV	0.027	0.0064
5	1.136	219	69	PV	0.048	0.0117
6	1.427	116	74	PV	0.052	0.0062
7	1.479	87	38	VB	0.038	0.0046
8	2.385	1095	136	PV	0.110	0.0588
9	2.667	447	103	VV	0.060	0.0240
10	2.745	434	156	VV	0.046	0.0233
11	2.827	631	141	VV	0.075	0.0339
12	2.988	499	123	PV	0.068	0.0268
13	3.097	652	159	VV	0.068	0.0350
14	3.195	817	152	VV	0.080	0.0439
15	3.470	624	145	VV	0.072	0.0335
16	3.639	429	80	PV	0.078	0.0230
17	3.893	2069	185	VV	0.148	0.1110
18	4.176	1150	168	PV	0.090	0.0617
19	4.309	266	99	VV	0.045	0.0143
20	4.561	1220	183	VV	0.094	0.0655

21	4.715	985	183	VV	0.090	0.0529
22	4.809	527	152	VV	0.057	0.0283
23	5.096	1193	166	VV	0.098	0.0640
24	5.229	2721	339	VV	0.134	0.1460
25	5.427	1039	167	VV	0.104	0.0557
26	5.621	1454	164	VV	0.131	0.0780
27	5.734	895	146	VV	0.102	0.0480
28	5.893	482	150	VV	0.053	0.0259
29	5.979	1131	161	VV	0.117	0.0607
30	6.226	330	112	PV	0.046	0.0177
31	6.387	3937	430	VV	0.130	0.2113
32	6.673	232	120	PV	0.032	0.0125
33	6.717	295	79	VV	0.062	0.0158
34	6.945	3951	420	VV	0.125	0.2120
35	7.107	1693	211	VV	0.115	0.0908
36	7.284	2181	271	VV	0.134	0.1170
37	7.625	1726762	269835	VV	0.094	92.6704
38	8.675	39612	1653	VV	0.399	2.1259
39	9.264	4888	940	VV	0.087	0.2623
40	9.336	3725	950	VV	0.065	0.1999
41	9.386	4380	914	VV	0.080	0.2350
42	9.552	2497	739	VV	0.056	0.1340
43	9.607	11770	778	VV	0.189	0.6317
44	10.170	4662	460	VV	0.142	0.2502
45	10.278	1354	431	VV	0.052	0.0726
46	10.570	4247	386	VV	0.146	0.2279
47	10.771	1700	303	VV	0.099	0.0912
48	10.950	2734	299	VV	0.130	0.1467
49	11.054	692	217	VV	0.053	0.0371
50	11.157	1307	254	VV	0.086	0.0701
51	11.210	1077	230	VV	0.078	0.0578
52	11.347	494	135	VV	0.053	0.0265
53	11.558	2385	191	VV	0.164	0.1280
54	11.709	350	135	VV	0.043	0.0188
55	11.759	411	153	VV	0.045	0.0221
56	11.865	961	153	VV	0.099	0.0516
57	11.945	391	119	VV	0.055	0.0210
58	12.164	1097	176	PV	0.086	0.0589
59	12.409	750	139	PV	0.083	0.0403
60	12.630	1159	152	VV	0.110	0.0622
61	12.724	269	120	VV	0.037	0.0145
62	12.782	1139	151	VV	0.126	0.0611
63	12.942	175	94	VV	0.031	0.0094
64	13.134	1468	159	PV	0.136	0.0788
65	13.384	555	99.8	VV	0.093	0.0298
66	13.503	596	74	PV	0.135	0.0320
67	13.947	2043	154	PV	0.186	0.1096
68	14.171	249	72	VV	0.051	0.0134
69	14.280	223	80	PV	0.052	0.0120
70	14.399	633	142	VV	0.085	0.0340
71	14.576	268	50	PV	0.084	0.0144
72	14.682	142	42	VV	0.057	0.0076

Total area = 1863337

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\017R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\017F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 17
Sample Name : 02-1750 mb Injection Number : 1
Acquired on : 26-Aug-22 4:26 PM
Report Created on: 26 Aug 22 04:41 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
99	FID	7.627	136501	1.38E+05
95	PID	7.625	1726762	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.29 ppb	FID	3.236	1401	4.82E+03
0.03 ppb	PID	3.195	817	2.57E+04
Toluene				
0.22 ppb	FID	5.175	1018	4.71E+03
0.11 ppb	PID	5.229	2721	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.02 ppb	PID	6.717	295	1.91E+04
m,p-Xylenes				
0.15 ppb	FID	6.981	600	4.03E+03
0.15 ppb	PID	6.945	3951	2.65E+04
o-Xylene				
0.00 ppb	FID	0.000	0	4.40E+03
0.09 ppb	PID	7.284	2181	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.06 ppb	PID	11.054	2734	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
19.66 ppb	FID		30171	1.53E+03
11.70 ppb	PID		69885	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-136501	1.15E+03
705.88 ppb	PID		-1726762	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208342-01
Run Time Bar Code: 1 210829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\018F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.229	482	109	BV	0.074	0.1959
2	0.336	728	120	VV	0.096	0.2960
3	0.505	311	125	VV	0.042	0.1264
4	0.560	266	194	PB	0.023	0.1082
5	0.760	402	145	BV	0.042	0.1636
6	0.897	17861	1654	VV	0.144	7.2602
7	1.199	639	153	VV	0.070	0.2599
8	1.280	308	134	VV	0.038	0.1253
9	1.329	306	116	VV	0.044	0.1246
10	1.460	1775	279	VV	0.091	0.7215
11	1.528	937	176	VV	0.089	0.3808
12	1.858	380	119	VV	0.048	0.1545
13	1.901	351	131	VV	0.045	0.1425
14	2.076	641	138	VV	0.072	0.2604
15	2.148	575	133	VV	0.082	0.2335
16	2.414	264	105	VV	0.042	0.1073
17	2.619	720	137	VV	0.087	0.2926
18	2.748	313	144	PV	0.036	0.1272
19	2.819	377	139	VV	0.045	0.1533
20	2.878	256	143	VV	0.030	0.1042
21	2.991	399	121	VV	0.061	0.1623
22	3.038	871	148	VV	0.098	0.3539
23	3.354	1573	128	VV	0.204	0.6393
24	3.616	817	193	PV	0.063	0.3321
25	3.828	932	120	VV	0.125	0.3788
26	3.921	265	114	VV	0.039	0.1076
27	4.002	507	100	VV	0.084	0.2060
28	4.080	588	121	VV	0.081	0.2389
29	4.282	552	118	VV	0.069	0.2245
30	4.378	457	212	VV	0.036	0.1859
31	4.504	1056	197	PV	0.106	0.4292
32	4.719	297	115	VV	0.043	0.1206
33	4.777	326	156	VV	0.035	0.1323
34	4.826	266	149	VV	0.030	0.1082
35	5.050	1491	164	VV	0.181	0.6060
36	5.192	763	133	VV	0.096	0.3101
37	5.295	302	112	VV	0.045	0.1229
38	5.392	1180	129	VV	0.152	0.4798
39	5.564	422	142	VV	0.049	0.1714
40	5.657	464	147	VV	0.048	0.1887
41	5.734	383	163	VV	0.039	0.1556
42	5.823	730	142	VV	0.086	0.2969
43	6.068	1173	198	VV	0.093	0.4767
44	6.196	1576	187	VV	0.119	0.6407
45	6.617	1607	187	PV	0.148	0.6534
46	6.734	699	186	VV	0.063	0.2840
47	6.830	711	145	VV	0.082	0.2889

Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208322-01
Run Time Bar Code: 1 F0829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 2
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	6.961	994	152	VV	0.087	0.4040
49	7.110	513	150	VV	0.057	0.2084
50	7.238	977	175	VV	0.090	0.3972
51	7.361	806	127	VV	0.106	0.3276
52	7.626	137538	22502	VV	0.090	55.9064
53	8.094	3675	569	VV	0.108	1.4940
54	8.298	5342	415	VV	0.170	2.1715
55	8.570	1392	313	VV	0.074	0.5658
56	8.679	1144	346	VV	0.052	0.4649
57	8.746	1706	256	VV	0.111	0.6936
58	8.902	1492	275	VV	0.090	0.6063
59	9.028	1747	307	VV	0.095	0.7100
60	9.238	1078	250	VV	0.072	0.4382
61	9.420	1970	234	VV	0.140	0.8008
62	9.597	1386	208	VV	0.088	0.5632
63	9.665	1419	190	VV	0.104	0.5769
64	9.895	620	255	VV	0.041	0.2521
65	9.962	825	214	VV	0.064	0.3353
66	10.106	627	196	VV	0.048	0.2547
67	10.160	1302	236	VV	0.092	0.5293
68	10.331	485	190	VV	0.043	0.1970
69	10.436	1408	228	PV	0.120	0.5723
70	10.638	942	152	VV	0.103	0.3829
71	10.733	503	167	VV	0.050	0.2043
72	10.788	684	174	VV	0.066	0.2780
73	10.892	921	163	VV	0.110	0.3743
74	11.044	1328	153	VV	0.145	0.5397
75	11.260	881	178	VV	0.083	0.3581
76	11.454	1538	193	VV	0.133	0.6250
77	11.652	1435	173	VV	0.157	0.5834
78	11.852	692	130	VV	0.078	0.2814
79	11.967	476	176	VV	0.045	0.1937
80	12.024	269	131	VV	0.034	0.1095
81	12.085	994	145	VV	0.114	0.4040
82	12.266	699	224	VV	0.052	0.2843
83	12.434	1190	146	VV	0.132	0.4837
84	12.562	398	122	VV	0.053	0.1617
85	12.636	892	147	VV	0.101	0.3625
86	12.815	694	185	VV	0.063	0.2821
87	12.930	673	154	VV	0.073	0.2736
88	13.018	723	144	VV	0.084	0.2938
89	13.117	582	239	VV	0.041	0.2364
90	13.325	1290	173	PV	0.124	0.5242
91	13.470	1496	155	VV	0.141	0.6079
92	13.650	1018	197	VV	0.086	0.4137
93	13.812	1044	196	VV	0.081	0.4245
94	13.947	1035	197	VV	0.088	0.4207
95	14.120	524	133	VV	0.057	0.2132
96	14.293	1732	166	VV	0.170	0.7039
97	14.429	625	210	VV	0.048	0.2540
98	14.507	547	206	VV	0.044	0.2224
99	14.628	483	120	VV	0.056	0.1963
100	14.689	704	266	VV	0.043	0.2862
101	14.765	330	154	PV	0.037	0.1341

Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 2083[illegible]2-01
Run Time Bar Code: 1 Jc 08829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 3
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

102	14.921	1184	178	VV	0.111	0.4813
103	15.011	593	95	VV	0.104	0.2411
104	15.266	153	60	PBA	0.043	0.0621

Total area = 246015

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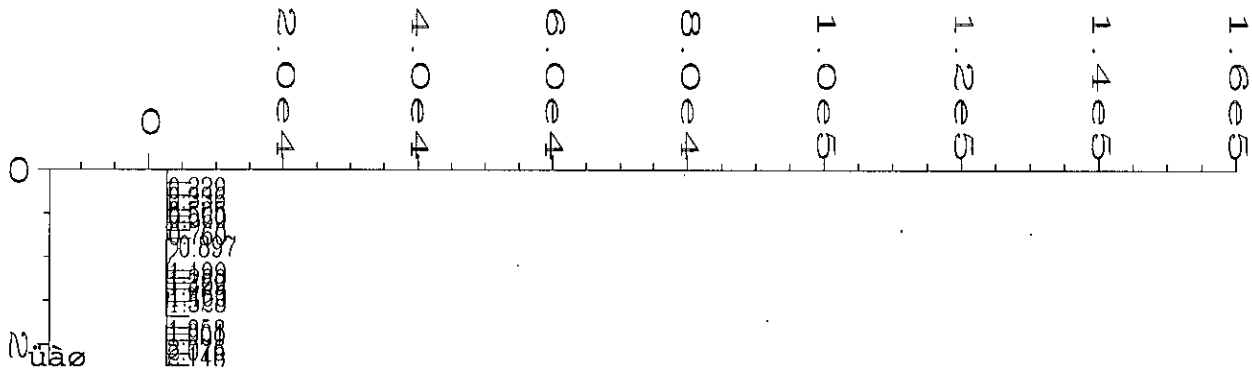
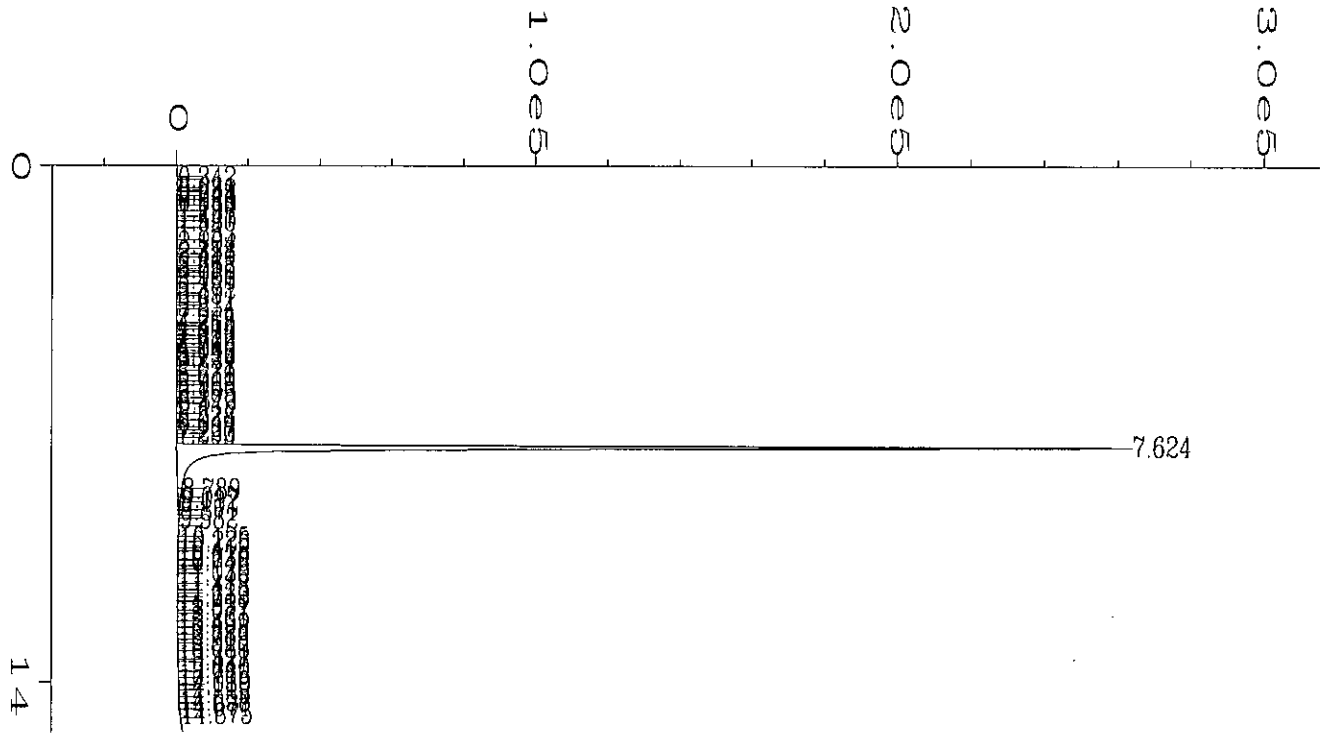


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\018F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 18
Sample Name	: 208342-01	Injection Number	: 1
Run Time Bar Code:	1 JC 0829	Sequence Line	: 1
Acquired on	: 26 Aug 22 04:53 PM	Instrument Method	: GX.MTH
Report Created on	: 26 Aug 22 05:08 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\018R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208342-01
Run Time Bar Code: 1 fc0829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\018R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.342	335	106	VV	0.056	0.0188
2	0.631	256	96	PV	0.044	0.0144
3	0.682	176	92	VV	0.032	0.0099
4	0.744	571	147	VV	0.061	0.0320
5	0.843	443	113	VV	0.065	0.0249
6	0.986	658	106	VV	0.091	0.0369
7	1.197	611	126	VV	0.074	0.0343
8	1.287	1092	181	VV	0.095	0.0613
9	1.447	1258	187	VV	0.092	0.0706
10	1.530	1445	170	VV	0.112	0.0811
11	1.853	2243	169	VV	0.189	0.1259
12	2.104	1083	138	VV	0.115	0.0608
13	2.358	443	96	PV	0.083	0.0248
14	2.411	292	80	VV	0.061	0.0164
15	2.662	1541	170	VV	0.118	0.0865
16	2.758	400	128	VV	0.052	0.0225
17	2.815	364	133	VV	0.046	0.0204
18	2.988	593	132	PV	0.075	0.0333
19	3.101	1288	172	VV	0.100	0.0723
20	3.372	1109	139	VV	0.133	0.0622

21	3.497	395	137	VV	0.048	0.0222
22	3.611	1028	169	VV	0.101	0.0577
23	3.834	345	98	VV	0.058	0.0193
24	4.215	1518	137	VV	0.185	0.0852
25	4.268	468	120	VV	0.065	0.0262
26	4.374	259	111	VV	0.039	0.0145
27	4.474	466	90	PV	0.101	0.0262
28	4.630	210	68	PV	0.052	0.0118
29	4.773	584	128	VV	0.064	0.0328
30	4.868	641	178	VV	0.054	0.0360
31	4.949	317	99	VV	0.053	0.0178
32	5.046	298	103	VV	0.047	0.0167
33	5.133	427	106	VV	0.065	0.0239
34	5.224	2408	297	VV	0.107	0.1352
35	5.631	878	166	VV	0.083	0.0493
36	5.719	895	134	VV	0.091	0.0502
37	5.909	739	148	VV	0.083	0.0415
38	5.965	1132	163	VV	0.116	0.0635
39	6.163	620	118	PV	0.080	0.0348
40	6.372	2180	416	VV	0.086	0.1224
41	6.449	1312	228	VV	0.096	0.0737
42	6.828	567	88	VV	0.091	0.0318
43	6.944	1858	217	VV	0.129	0.1043
44	7.107	566	141	VV	0.067	0.0317
45	7.220	593	150	VV	0.066	0.0333
46	7.293	440	152	VV	0.048	0.0247
47	7.624	1693827	266163	PV	0.093	95.0748
48	8.789	13760	1108	VV	0.207	0.7724
49	9.017	4957	771	VV	0.107	0.2782
50	9.132	6117	578	VV	0.176	0.3433
51	9.371	2738	408	VV	0.092	0.1537
52	9.582	1346	206	VB	0.096	0.0755
53	10.125	576	115	BV	0.084	0.0324
54	10.226	454	99	PV	0.076	0.0255
55	10.412	324	102	PV	0.051	0.0182
56	10.639	893	120	PV	0.124	0.0501
57	10.746	554	121	VV	0.077	0.0311
58	11.030	474	107	PV	0.074	0.0266
59	11.146	882	139	VV	0.106	0.0495
60	11.413	539	102	PV	0.088	0.0303
61	11.633	453	116	PV	0.065	0.0254
62	11.719	744	122	VV	0.102	0.0417
63	11.931	1062	158	VV	0.093	0.0596
64	12.077	173	86	PV	0.034	0.0097
65	12.261	694	124	PV	0.088	0.0390
66	12.439	587	116	VV	0.090	0.0330
67	12.628	1032	150	PV	0.098	0.0579
68	12.782	752	145	VV	0.080	0.0422
69	12.918	392	101	PV	0.058	0.0220
70	13.083	1215	147	VV	0.119	0.0682
71	13.311	1330	134	PV	0.164	0.0747
72	13.427	314	100	VV	0.052	0.0176
73	13.640	1534	168	VV	0.125	0.0861
74	13.786	553	125	PV	0.065	0.0310
75	14.039	1026	120	PV	0.136	0.0576
76	14.110	809	122	VV	0.088	0.0454
77	14.335	914	138	VV	0.098	0.0513
78	14.538	531	101	PV	0.072	0.0298
79	14.671	1169	162	VV	0.100	0.0656
80	14.875	1502	197	PV	0.108	0.0843

Total area = 1781573

Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\018R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 18

Sample Name : 208342-01 Injection Number : 1

Acquired on : 26-Aug-22 4:53 PM

Report Created on: 26 Aug 22 05:08 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
100	FID	7.626	137538	1.38E+05
93	PID	7.624	1693827	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.18 ppb	FID	3.038	871	4.82E+03
0.05 ppb	PID	3.101	1288	2.57E+04
Toluene				
0.32 ppb	FID	5.295	1491	4.71E+03
0.10 ppb	PID	5.224	2408	2.51E+04
Ethylbenzene				
0.20 ppb	FID	6.830	711	3.56E+03
0.03 ppb	PID	6.828	567	1.91E+04
m,p-Xylenes				
0.25 ppb	FID	6.961	994	4.03E+03
0.07 ppb	PID	6.944	1858	2.65E+04
o-Xylene				
0.22 ppb	FID	7.238	977	4.40E+03
0.02 ppb	PID	7.293	593	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.02 ppb	PID	11.030	893	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
24.79 ppb	FID		38049	1.53E+03
6.24 ppb	PID		37301	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-137538	1.15E+03
692.41 ppb	PID		-1693827	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\019F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-01 msg
Run Time Bar Code:
Acquired on : 26 Aug 22 05:20 PM
Report Created on: 26 Aug 22 05:35 PM
Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\019F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.208	1131	221	BV	0.080	0.0652
2	0.360	184	108	PB	0.036	0.0106
3	0.733	295	88	VV	0.056	0.0170
4	0.901	88265	9974	PV	0.145	5.0855
5	1.026	33832	6216	VV	0.091	1.9493
6	1.439	4032	506	VV	0.113	0.2323
7	1.647	1341	269	VV	0.071	0.0773
8	1.862	38622	5808	VV	0.104	2.2252
9	2.063	7801	1283	VV	0.090	0.4495
10	2.273	11706	1721	VV	0.102	0.6745
11	2.408	3656	521	VV	0.117	0.2106
12	2.727	21868	2519	VV	0.125	1.2599
13	3.188	23653	3250	VV	0.106	1.3628
14	3.529	34610	2686	VV	0.167	1.9941
15	3.686	17096	2384	VV	0.113	0.9850
16	3.946	31862	3624	VV	0.130	1.8358
17	4.176	19046	2434	VV	0.113	1.0974
18	4.576	19582	2988	VV	0.102	1.1283
19	4.811	16687	1957	VV	0.122	0.9615
20	5.223	319169	47580	VV	0.099	18.3894
21	5.550	21749	2727	VV	0.112	1.2531
22	5.735	12604	1302	VV	0.126	0.7262
23	5.989	18279	1898	VV	0.128	1.0532
24	6.348	5414	596	VV	0.120	0.3119
25	6.555	13271	1004	VV	0.180	0.7646
26	6.802	47285	9785	VV	0.074	2.7244
27	6.934	224974	37356	VV	0.090	12.9622
28	7.275	96965	16809	VV	0.086	5.5868
29	7.626	132081	25473	VV	0.078	7.6100
30	7.733	114348	17849	VV	0.092	6.5883
31	8.253	104311	10802	VV	0.131	6.0100
32	8.487	25021	4294	VV	0.086	1.4416
33	8.684	81943	13935	VV	0.087	4.7213
34	9.048	23779	4150	VV	0.086	1.3701
35	9.216	13605	2220	VV	0.090	0.7839
36	9.392	9547	2032	VV	0.067	0.5501
37	9.457	13601	2322	VV	0.087	0.7836
38	9.605	6371	1131	VV	0.085	0.3671
39	9.718	8795	1736	VV	0.074	0.5067
40	9.811	13994	1923	VV	0.104	0.8063
41	10.065	5674	631	VV	0.136	0.3269
42	10.227	7807	983	VV	0.105	0.4498
43	10.444	4358	641	VV	0.096	0.2511
44	10.581	4386	754	VV	0.080	0.2527
45	10.716	2129	398	VV	0.077	0.1227
46	10.842	3611	240	VV	0.251	0.2081
47	11.102	1254	244	VV	0.086	0.0722

Data File Name : C:\HPCHEM\2\DATA\08-26-22\019F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 19
Sample Name : 208312-01 msg
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 26 Aug 22 05:20 PM
Instrument Method: GX.MTH
Report Created on: 26 Aug 22 05:35 PM
Analysis Method : GX.MTH

48	11.266	706	217	VV	0.054	0.0407
49	11.317	1177	177	VV	0.111	0.0678
50	11.497	1168	152	VV	0.128	0.0673
51	11.665	759	185	VV	0.067	0.0437
52	11.788	810	200	VV	0.074	0.0467
53	11.935	960	161	VV	0.100	0.0553
54	12.147	661	179	VV	0.061	0.0381
55	12.348	1042	172	PV	0.083	0.0600
56	12.569	1295	208	VB	0.091	0.0746
57	12.796	1086	230	BV	0.094	0.0626
58	12.988	654	148	PV	0.064	0.0377
59	13.081	1746	154	VV	0.189	0.1006
60	13.373	1089	265	VV	0.064	0.0628
61	13.464	529	246	VV	0.036	0.0305
62	13.587	1902	292	PV	0.109	0.1096
63	13.787	827	209	VV	0.066	0.0477
64	13.909	599	145	VV	0.069	0.0345
65	14.016	890	279	VV	0.053	0.0513
66	14.165	722	187	PV	0.064	0.0416
67	14.263	941	182	VV	0.074	0.0542
68	14.403	351	121	VV	0.049	0.0202
69	14.456	455	168	VV	0.045	0.0262
70	14.553	880	110	VV	0.116	0.0507
71	14.704	373	217	VV	0.029	0.0215
72	14.777	186	113	PV	0.027	0.0107
73	14.830	1203	171	VV	0.118	0.0693
74	15.023	420	128	VV	0.054	0.0242
75	15.157	587	137	VV	0.083	0.0338

Total area = 1735611

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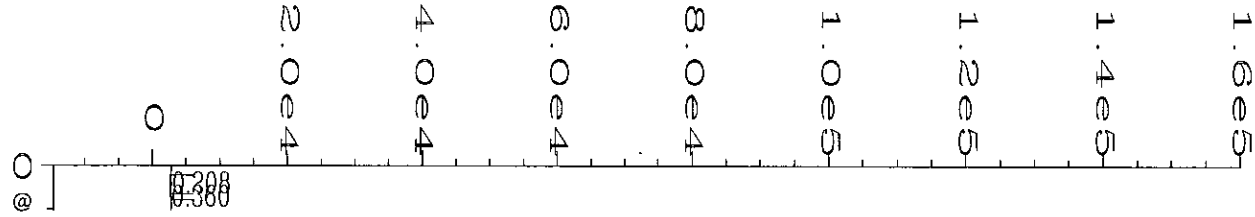
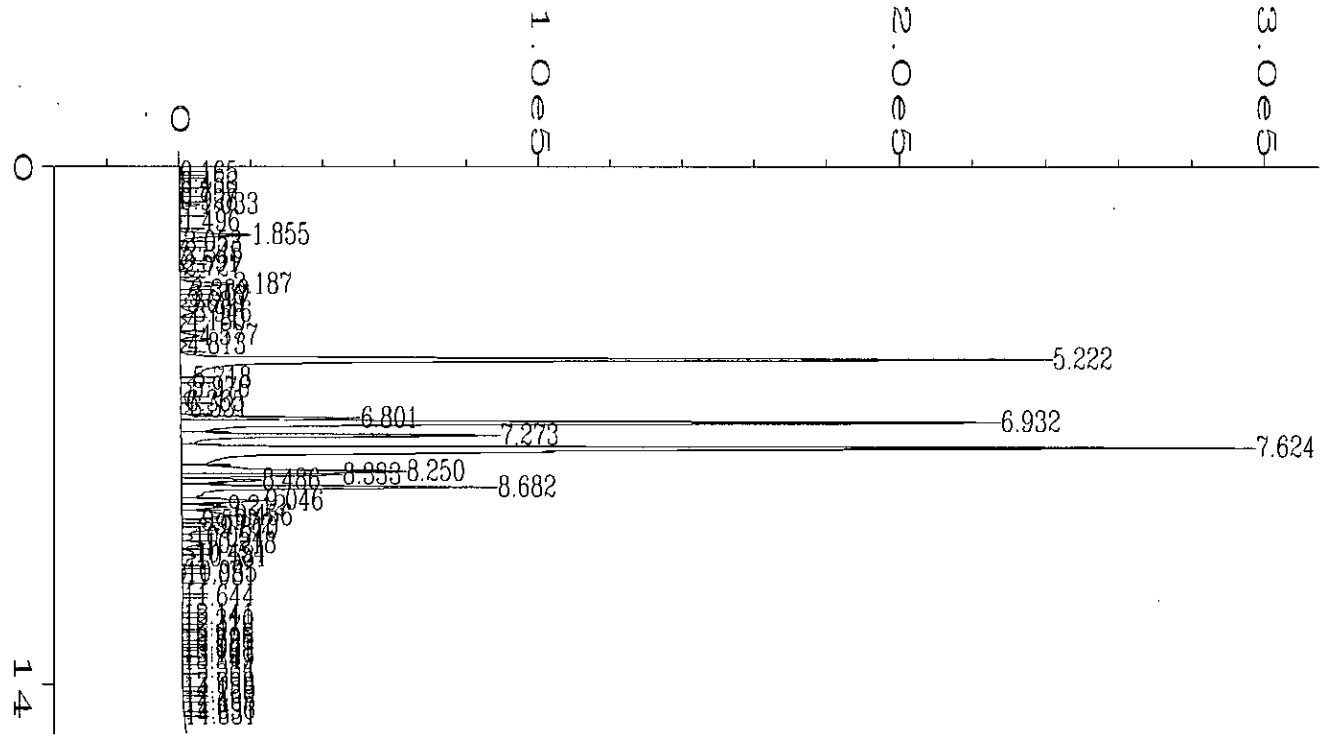


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\019F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 19
Sample Name	: 208312-01 msg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 05:20 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 05:35 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\019R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-01 msg
Run Time Bar Code:
Acquired on : 26 Aug 22 05:20 PM
Report Created on: 26 Aug 22 05:35 PM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\019R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.165	375	99	PV	0.063	0.0045
2	0.453	1880	216	PV	0.137	0.0224
3	0.737	1169	137	VV	0.139	0.0140
4	0.928	1129	168	VV	0.112	0.0135
5	1.033	26367	5885	VV	0.067	0.3146
6	1.496	5956	551	VV	0.170	0.0711
7	1.855	123048	19940	VV	0.095	1.4682
8	2.053	8295	1106	VV	0.105	0.0990
9	2.345	18186	1279	VV	0.180	0.2170
10	2.591	2623	557	VV	0.067	0.0313
11	2.727	7741	1004	VV	0.114	0.0924
12	3.187	106976	15011	PV	0.108	1.2764
13	3.389	22549	2979	VV	0.110	0.2691
14	3.517	17987	2426	VV	0.111	0.2146
15	3.689	13079	1826	VV	0.105	0.1561
16	3.946	30592	3699	VV	0.123	0.3650
17	4.180	17393	1800	VV	0.134	0.2075
18	4.577	32417	5222	VV	0.098	0.3868
19	4.813	15903	1930	VV	0.125	0.1897
20	5.222	1579173	244380	VV	0.096	18.8422

21	5.718	25194	3238	VV	0.130	0.3006
22	5.976	47314	2993	VV	0.205	0.5645
23	6.365	12538	1421	VV	0.120	0.1496
24	6.531	32215	2396	VV	0.198	0.3844
25	6.801	236072	50085	VV	0.073	2.8167
26	6.932	1323763	228649	VV	0.087	15.7947
27	7.273	522922	90930	VV	0.086	6.2393
28	7.624	2211791	299830	VV	0.105	26.3904
29	8.250	434341	62815	VV	0.098	5.1824
30	8.333	214783	44811	VV	0.080	2.5627
31	8.486	132630	22542	VV	0.087	1.5825
32	8.682	510685	88657	VV	0.086	6.0933
33	9.046	134967	23866	VV	0.085	1.6104
34	9.212	74816	12745	VV	0.086	0.8927
35	9.456	135175	14513	VV	0.126	1.6129
36	9.597	27957	5446	VV	0.075	0.3336
37	9.722	47695	9181	VV	0.077	0.5691
38	9.810	74796	10531	VV	0.104	0.8924
39	10.054	24739	3054	VV	0.114	0.2952
40	10.218	45869	6405	VV	0.106	0.5473
41	10.454	21451	3299	VV	0.095	0.2560
42	10.581	32270	3968	VV	0.113	0.3850
43	10.985	6017	943	VV	0.083	0.0718
44	11.081	6236	757	VV	0.113	0.0744
45	11.644	168	67	PV	0.049	0.0020
46	12.141	373	94	PV	0.059	0.0044
47	12.310	787	145	PV	0.083	0.0094
48	12.478	470	112	VV	0.064	0.0056
49	12.795	601	103	PV	0.089	0.0072
50	12.887	366	97	VV	0.063	0.0044
51	12.985	233	79	VV	0.046	0.0028
52	13.067	442	137	VV	0.058	0.0053
53	13.161	976	147	VV	0.089	0.0116
54	13.349	823	121	PV	0.124	0.0098
55	13.584	1365	177	PV	0.113	0.0163
56	13.998	2034	213	VV	0.136	0.0243
57	14.138	563	135	PV	0.065	0.0067
58	14.239	762	153	VV	0.075	0.0091
59	14.465	512	77	VV	0.093	0.0061
60	14.696	1058	129	PV	0.137	0.0126
61	14.831	429	108	PV	0.063	0.0051

Total area = 8381038

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\019R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\019F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 19
Sample Name : 208312-01 msg Injection Number : 1
Acquired on : 26-Aug-22 5:20 PM
Report Created on: 26 Aug 22 05:35 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.626	132081	1.38E+05
122	PID	7.624	2211791	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
4.91 ppb	FID	3.188	23653	4.82E+03
4.16 ppb	PID	3.187	106976	2.57E+04
Toluene				
67.78 ppb	FID	5.223	319169	4.71E+03
62.93 ppb	PID	5.222	1579173	2.51E+04
Ethylbenzene				
13.30 ppb	FID	6.802	47285	3.56E+03
12.35 ppb	PID	6.801	236072	1.91E+04
m,p-Xylenes				
55.76 ppb	FID	6.934	224974	4.03E+03
49.94 ppb	PID	6.932	1323763	2.65E+04
o-Xylene				
22.05 ppb	FID	7.275	96965	4.40E+03
20.50 ppb	PID	7.273	522922	2.55E+04
Nap-PID, C12-FID				
0.30 ppb	FID	11.102	1254	4.16E+03
0.14 ppb	PID	11.081	6236	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
813.06 ppb	FID		1247869	1.53E+03
892.00 ppb	PID		5328526	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-132081	1.15E+03
904.15 ppb	PID		-2211791	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\020F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-01 msdg
Run Time Bar Code:
Acquired on : 26 Aug 22 05:47 PM
Report Created on: 26 Aug 22 06:02 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\020F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.080	130	82	BV	0.026	0.0074
2	0.193	340	109	PV	0.052	0.0193
3	0.387	1029	203	VV	0.085	0.0584
4	0.458	421	112	VV	0.063	0.0239
5	0.544	525	213	VV	0.041	0.0298
6	0.670	451	153	PV	0.049	0.0256
7	0.744	594	216	VV	0.046	0.0337
8	0.912	85850	9284	VV	0.137	4.8732
9	1.025	34579	6510	VV	0.089	1.9629
10	1.262	1918	464	VV	0.069	0.1089
11	1.439	5017	590	VV	0.113	0.2848
12	1.614	1503	354	VV	0.063	0.0853
13	1.858	39266	5821	VV	0.105	2.2289
14	2.055	8668	1252	VV	0.100	0.4920
15	2.280	16178	1587	VV	0.140	0.9183
16	2.727	22887	2570	VV	0.127	1.2992
17	3.188	24852	3275	VV	0.113	1.4107
18	3.401	12528	1793	VV	0.100	0.7112
19	3.529	22011	2736	VV	0.115	1.2494
20	3.685	16886	2268	VV	0.110	0.9585
21	3.940	32317	3472	VV	0.135	1.8344
22	4.178	19820	2418	VV	0.121	1.1251
23	4.576	19910	2973	VV	0.098	1.1302
24	4.805	17624	1976	VV	0.129	1.0004
25	5.222	317231	47314	VV	0.099	18.0074
26	5.542	22899	2810	VV	0.107	1.2998
27	5.729	13583	1538	VV	0.119	0.7710
28	5.986	20889	1955	VV	0.139	1.1857
29	6.340	5108	649	VV	0.125	0.2899
30	6.588	14939	1141	VV	0.166	0.8480
31	6.801	47704	9782	VV	0.075	2.7079
32	6.933	226828	37104	VV	0.091	12.8757
33	7.275	96596	16983	VV	0.085	5.4832
34	7.625	133995	25566	VV	0.079	7.6061
35	7.733	115901	17858	VV	0.093	6.5790
36	8.252	104997	10767	VV	0.132	5.9601
37	8.488	25874	4431	VV	0.086	1.4687
38	8.683	82760	13984	VV	0.087	4.6978
39	9.048	24462	4220	VV	0.086	1.3886
40	9.214	13413	2323	VV	0.084	0.7614
41	9.456	24010	2470	VV	0.126	1.3629
42	9.598	7468	1120	VV	0.092	0.4239
43	9.726	8312	1689	VV	0.073	0.4718
44	9.813	15074	1989	VV	0.111	0.8556
45	10.048	5402	703	VV	0.102	0.3067
46	10.221	7367	1030	VV	0.106	0.4182
47	10.343	1271	392	VV	0.048	0.0721

Data File Name : C:\HPCHEM\2\DATA\08-26-22\020F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-01 msdg
Run Time Bar Code:
Acquired on : 26 Aug 22 05:47 PM
Report Created on: 26 Aug 22 06:02 PM

Page Number : 2
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	10.579	10886	760	VV	0.186	0.6179
49	10.815	1550	301	VV	0.086	0.0880
50	10.958	1416	308	VV	0.068	0.0804
51	11.068	3131	254	VV	0.205	0.1777
52	11.332	1695	198	VV	0.142	0.0962
53	11.625	1170	176	VV	0.111	0.0664
54	11.838	1483	255	VV	0.077	0.0842
55	11.978	701	139	VV	0.071	0.0398
56	12.082	663	153	VV	0.072	0.0376
57	12.214	494	168	VV	0.047	0.0281
58	12.359	964	138	VV	0.117	0.0547
59	12.428	312	169	VV	0.031	0.0177
60	12.479	1126	150	VV	0.125	0.0639
61	12.666	516	201	VV	0.041	0.0293
62	12.732	155	107	VV	0.024	0.0088
63	12.818	438	129	VV	0.057	0.0249
64	12.883	597	148	VV	0.067	0.0339
65	12.984	485	152	VV	0.061	0.0275
66	13.094	366	150	VV	0.041	0.0208
67	13.432	1827	188	VV	0.197	0.1037
68	13.537	642	169	VV	0.063	0.0365
69	13.630	713	163	VV	0.061	0.0405
70	13.756	1879	179	PV	0.175	0.1067
71	14.096	489	181	PV	0.045	0.0277
72	14.196	351	158	PV	0.037	0.0199
73	14.311	617	146	VV	0.070	0.0350
74	14.385	1247	167	VV	0.125	0.0708
75	14.610	1791	166	VV	0.168	0.1017
76	14.910	370	119	VV	0.052	0.0210
77	14.971	320	132	VV	0.040	0.0181
78	15.026	721	272	VV	0.044	0.0409
79	15.155	1168	162	VBA	0.121	0.0663

Total area = 1761673

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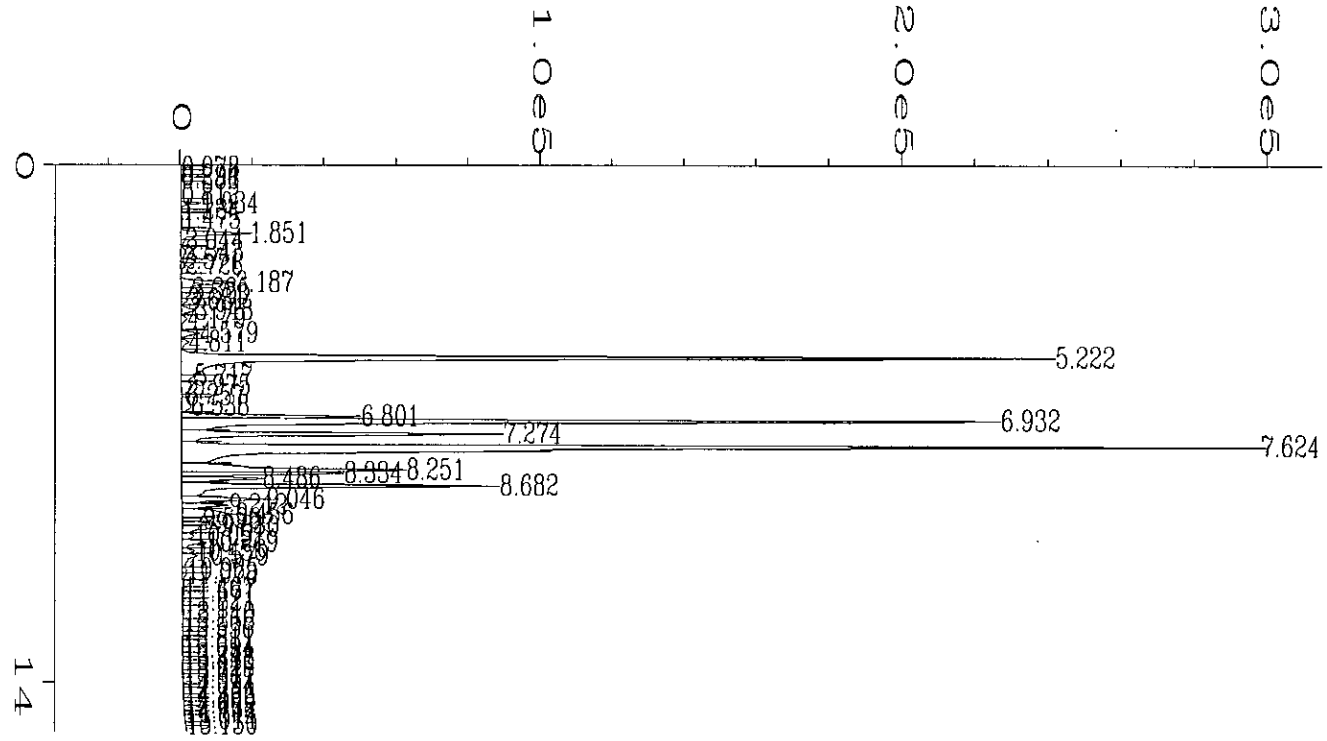
Data File Name	: C:\HPCHEM\2\DATA\08-26-22\020F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 20
Sample Name	: 208312-01 msdg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 05:47 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 06:02 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\020R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-01 msdg
Run Time Bar Code:
Acquired on : 26 Aug 22 05:47 PM
Report Created on: 26 Aug 22 06:02 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\020R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.078	172	86	BV	0.033	0.0020
2	0.294	221	89	PV	0.046	0.0026
3	0.386	524	151	VV	0.058	0.0062
4	0.812	1519	141	PV	0.179	0.0179
5	1.034	23748	5670	PV	0.064	0.2802
6	1.224	763	156	VV	0.077	0.0090
7	1.475	6068	472	VV	0.165	0.0716
8	1.851	123002	19945	VV	0.095	1.4511
9	2.044	7483	1036	VV	0.120	0.0883
10	2.343	18208	1319	VV	0.191	0.2148
11	2.571	2699	531	VV	0.085	0.0318
12	2.726	7939	974	VV	0.120	0.0937
13	3.187	106675	15087	PV	0.106	1.2585
14	3.385	22972	2987	VV	0.109	0.2710
15	3.523	19078	2479	VV	0.110	0.2251
16	3.681	13378	1773	VV	0.114	0.1578
17	3.948	30948	3679	VV	0.129	0.3651
18	4.179	16772	1714	VV	0.140	0.1979
19	4.579	33213	5192	VV	0.099	0.3918
20	4.811	17142	1975	VV	0.127	0.2022

21	5.222	1584203	244551	VV	0.097	18.6895
22	5.717	29029	3591	VV	0.135	0.3425
23	5.975	46625	3019	VV	0.202	0.5500
24	6.257	5387	1312	VV	0.066	0.0636
25	6.538	45475	2600	VV	0.238	0.5365
26	6.801	237590	50221	VV	0.073	2.8029
27	6.932	1327488	228218	VV	0.088	15.6609
28	7.274	521994	91221	VV	0.086	6.1582
29	7.624	2226671	302087	VV	0.104	26.2689
30	8.251	436608	62716	VV	0.099	5.1508
31	8.334	217365	45136	VV	0.080	2.5643
32	8.486	135314	23014	VV	0.086	1.5964
33	8.682	515861	89289	VV	0.086	6.0858
34	9.046	138343	24102	VV	0.086	1.6321
35	9.212	76547	13059	VV	0.086	0.9031
36	9.456	139508	14886	VV	0.126	1.6458
37	9.596	30158	5715	VV	0.077	0.3558
38	9.722	49180	9486	VV	0.076	0.5802
39	9.810	78800	10884	VV	0.105	0.9296
40	10.052	27540	3413	VV	0.115	0.3249
41	10.219	51326	6898	VV	0.110	0.6055
42	10.456	22549	3578	VV	0.092	0.2660
43	10.579	41855	4366	VV	0.130	0.4938
44	10.965	8934	1188	VV	0.099	0.1054
45	11.078	9026	1094	VV	0.108	0.1065
46	11.467	1935	362	VV	0.074	0.0228
47	11.571	2959	345	VV	0.119	0.0349
48	11.821	2276	340	VV	0.090	0.0268
49	12.140	3970	255	VV	0.217	0.0468
50	12.356	1447	170	VV	0.133	0.0171
51	12.556	468	147	VV	0.058	0.0055
52	12.811	265	115	PV	0.038	0.0031
53	13.094	404	84	BV	0.081	0.0048
54	13.271	583	128	VV	0.076	0.0069
55	13.348	569	160	VV	0.059	0.0067
56	13.425	360	134	VV	0.045	0.0042
57	13.625	501	87	VV	0.107	0.0059
58	13.747	236	95	PV	0.041	0.0028
59	13.917	1260	174	VV	0.105	0.0149
60	14.094	160	91	PV	0.029	0.0019
61	14.308	573	121	PV	0.065	0.0068
62	14.365	404	112	VV	0.060	0.0048
63	14.456	110	35	VV	0.052	0.0013
64	14.602	259	64	VV	0.058	0.0031
65	14.752	188	65	PV	0.045	0.0022
66	14.844	436	120	VV	0.060	0.0051
67	15.014	916	133	VV	0.090	0.0108
68	15.150	272	87	PV	0.052	0.0032

Total area = 8476452

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\020R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\020F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 20

Sample Name : 208312-01 msdg Injection Number : 1

Acquired on : 26-Aug-22 5:47 PM

Report Created on: 26 Aug 22 06:02 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
97	FID	7.625	133995	1.38E+05
122	PID	7.624	2226671	1.82E+06
Benzene		Actual Time	Area	AL..FACTOR
5.16 ppb	FID	3.188	24852	4.82E+03
4.15 ppb	PID	3.187	106675	2.57E+04
Toluene				
67.37 ppb	FID	5.222	317231	4.71E+03
63.13 ppb	PID	5.222	1584203	2.51E+04
Ethylbenzene				
13.42 ppb	FID	6.801	47704	3.56E+03
12.43 ppb	PID	6.801	237590	1.91E+04
m,p-Xylenes				
56.22 ppb	FID	6.933	226828	4.03E+03
50.08 ppb	PID	6.932	1327488	2.65E+04
o-Xylene				
21.97 ppb	FID	7.275	96596	4.40E+03
20.47 ppb	PID	7.274	521994	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.20 ppb	PID	11.078	9026	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
821.78 ppb	FID		1261257	1.53E+03
897.79 ppb	PID		5363117	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-133995	1.15E+03
910.23 ppb	PID		-2226671	-2.45E+03

NWTPH-Gx
Sample Data

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208342-01
Run Time Bar Code: 1 210829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\018F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.229	482	109	BV	0.074	0.1959
2	0.336	728	120	VV	0.096	0.2960
3	0.505	311	125	VV	0.042	0.1264
4	0.560	266	194	PB	0.023	0.1082
5	0.760	402	145	BV	0.042	0.1636
6	0.897	17861	1654	VV	0.144	7.2602
7	1.199	639	153	VV	0.070	0.2599
8	1.280	308	134	VV	0.038	0.1253
9	1.329	306	116	VV	0.044	0.1246
10	1.460	1775	279	VV	0.091	0.7215
11	1.528	937	176	VV	0.089	0.3808
12	1.858	380	119	VV	0.048	0.1545
13	1.901	351	131	VV	0.045	0.1425
14	2.076	641	138	VV	0.072	0.2604
15	2.148	575	133	VV	0.082	0.2335
16	2.414	264	105	VV	0.042	0.1073
17	2.619	720	137	VV	0.087	0.2926
18	2.748	313	144	PV	0.036	0.1272
19	2.819	377	139	VV	0.045	0.1533
20	2.878	256	143	VV	0.030	0.1042
21	2.991	399	121	VV	0.061	0.1623
22	3.038	871	148	VV	0.098	0.3539
23	3.354	1573	128	VV	0.204	0.6393
24	3.616	817	193	PV	0.063	0.3321
25	3.828	932	120	VV	0.125	0.3788
26	3.921	265	114	VV	0.039	0.1076
27	4.002	507	100	VV	0.084	0.2060
28	4.080	588	121	VV	0.081	0.2389
29	4.282	552	118	VV	0.069	0.2245
30	4.378	457	212	VV	0.036	0.1859
31	4.504	1056	197	PV	0.106	0.4292
32	4.719	297	115	VV	0.043	0.1206
33	4.777	326	156	VV	0.035	0.1323
34	4.826	266	149	VV	0.030	0.1082
35	5.050	1491	164	VV	0.181	0.6060
36	5.192	763	133	VV	0.096	0.3101
37	5.295	302	112	VV	0.045	0.1229
38	5.392	1180	129	VV	0.152	0.4798
39	5.564	422	142	VV	0.049	0.1714
40	5.657	464	147	VV	0.048	0.1887
41	5.734	383	163	VV	0.039	0.1556
42	5.823	730	142	VV	0.086	0.2969
43	6.068	1173	198	VV	0.093	0.4767
44	6.196	1576	187	VV	0.119	0.6407
45	6.617	1607	187	PV	0.148	0.6534
46	6.734	699	186	VV	0.063	0.2840
47	6.830	711	145	VV	0.082	0.2889

Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208322-01
Run Time Bar Code: 1 F0829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 2
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	6.961	994	152	VV	0.087	0.4040
49	7.110	513	150	VV	0.057	0.2084
50	7.238	977	175	VV	0.090	0.3972
51	7.361	806	127	VV	0.106	0.3276
52	7.626	137538	22502	VV	0.090	55.9064
53	8.094	3675	569	VV	0.108	1.4940
54	8.298	5342	415	VV	0.170	2.1715
55	8.570	1392	313	VV	0.074	0.5658
56	8.679	1144	346	VV	0.052	0.4649
57	8.746	1706	256	VV	0.111	0.6936
58	8.902	1492	275	VV	0.090	0.6063
59	9.028	1747	307	VV	0.095	0.7100
60	9.238	1078	250	VV	0.072	0.4382
61	9.420	1970	234	VV	0.140	0.8008
62	9.597	1386	208	VV	0.088	0.5632
63	9.665	1419	190	VV	0.104	0.5769
64	9.895	620	255	VV	0.041	0.2521
65	9.962	825	214	VV	0.064	0.3353
66	10.106	627	196	VV	0.048	0.2547
67	10.160	1302	236	VV	0.092	0.5293
68	10.331	485	190	VV	0.043	0.1970
69	10.436	1408	228	PV	0.120	0.5723
70	10.638	942	152	VV	0.103	0.3829
71	10.733	503	167	VV	0.050	0.2043
72	10.788	684	174	VV	0.066	0.2780
73	10.892	921	163	VV	0.110	0.3743
74	11.044	1328	153	VV	0.145	0.5397
75	11.260	881	178	VV	0.083	0.3581
76	11.454	1538	193	VV	0.133	0.6250
77	11.652	1435	173	VV	0.157	0.5834
78	11.852	692	130	VV	0.078	0.2814
79	11.967	476	176	VV	0.045	0.1937
80	12.024	269	131	VV	0.034	0.1095
81	12.085	994	145	VV	0.114	0.4040
82	12.266	699	224	VV	0.052	0.2843
83	12.434	1190	146	VV	0.132	0.4837
84	12.562	398	122	VV	0.053	0.1617
85	12.636	892	147	VV	0.101	0.3625
86	12.815	694	185	VV	0.063	0.2821
87	12.930	673	154	VV	0.073	0.2736
88	13.018	723	144	VV	0.084	0.2938
89	13.117	582	239	VV	0.041	0.2364
90	13.325	1290	173	PV	0.124	0.5242
91	13.470	1496	155	VV	0.141	0.6079
92	13.650	1018	197	VV	0.086	0.4137
93	13.812	1044	196	VV	0.081	0.4245
94	13.947	1035	197	VV	0.088	0.4207
95	14.120	524	133	VV	0.057	0.2132
96	14.293	1732	166	VV	0.170	0.7039
97	14.429	625	210	VV	0.048	0.2540
98	14.507	547	206	VV	0.044	0.2224
99	14.628	483	120	VV	0.056	0.1963
100	14.689	704	266	VV	0.043	0.2862
101	14.765	330	154	PV	0.037	0.1341

Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 2083[illegible]2-01
Run Time Bar Code: 1 Jc 08829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 3
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

102	14.921	1184	178	VV	0.111	0.4813
103	15.011	593	95	VV	0.104	0.2411
104	15.266	153	60	PBA	0.043	0.0621

Total area = 246015

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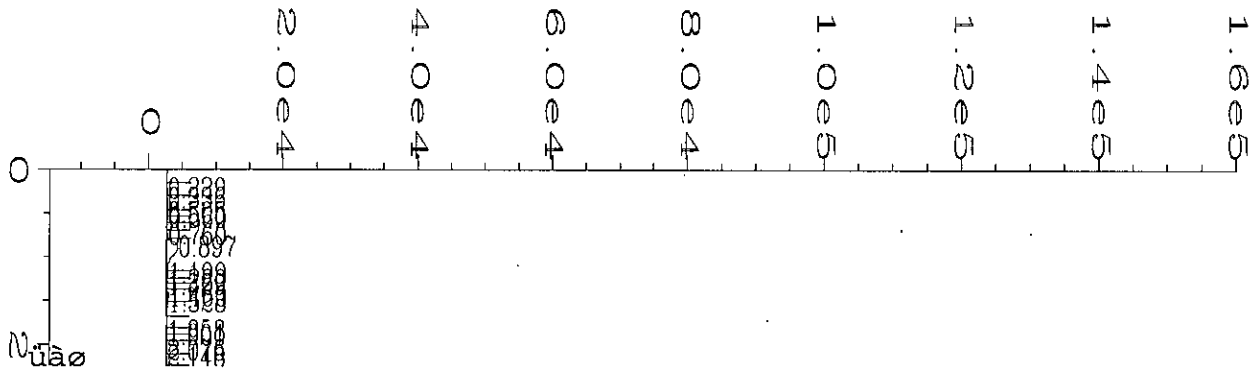
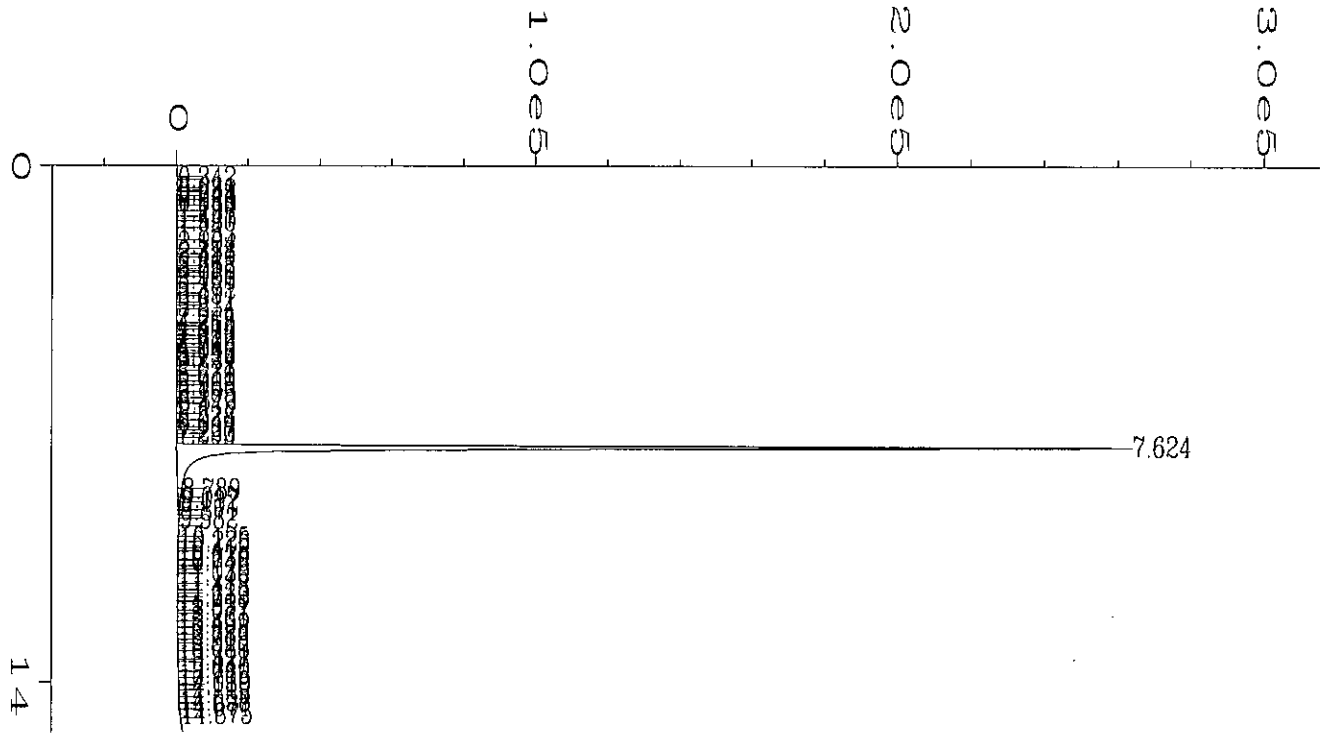


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\018F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 18
Sample Name	: 208342-01	Injection Number	: 1
Run Time Bar Code:	1 JC 0829	Sequence Line	: 1
Acquired on	: 26 Aug 22 04:53 PM	Instrument Method	: GX.MTH
Report Created on	: 26 Aug 22 05:08 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\018R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208342-01
Run Time Bar Code: 1 fc0829
Acquired on : 26 Aug 22 04:53 PM
Report Created on: 26 Aug 22 05:08 PM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\018R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.342	335	106	VV	0.056	0.0188
2	0.631	256	96	PV	0.044	0.0144
3	0.682	176	92	VV	0.032	0.0099
4	0.744	571	147	VV	0.061	0.0320
5	0.843	443	113	VV	0.065	0.0249
6	0.986	658	106	VV	0.091	0.0369
7	1.197	611	126	VV	0.074	0.0343
8	1.287	1092	181	VV	0.095	0.0613
9	1.447	1258	187	VV	0.092	0.0706
10	1.530	1445	170	VV	0.112	0.0811
11	1.853	2243	169	VV	0.189	0.1259
12	2.104	1083	138	VV	0.115	0.0608
13	2.358	443	96	PV	0.083	0.0248
14	2.411	292	80	VV	0.061	0.0164
15	2.662	1541	170	VV	0.118	0.0865
16	2.758	400	128	VV	0.052	0.0225
17	2.815	364	133	VV	0.046	0.0204
18	2.988	593	132	PV	0.075	0.0333
19	3.101	1288	172	VV	0.100	0.0723
20	3.372	1109	139	VV	0.133	0.0622

21	3.497	395	137	VV	0.048	0.0222
22	3.611	1028	169	VV	0.101	0.0577
23	3.834	345	98	VV	0.058	0.0193
24	4.215	1518	137	VV	0.185	0.0852
25	4.268	468	120	VV	0.065	0.0262
26	4.374	259	111	VV	0.039	0.0145
27	4.474	466	90	PV	0.101	0.0262
28	4.630	210	68	PV	0.052	0.0118
29	4.773	584	128	VV	0.064	0.0328
30	4.868	641	178	VV	0.054	0.0360
31	4.949	317	99	VV	0.053	0.0178
32	5.046	298	103	VV	0.047	0.0167
33	5.133	427	106	VV	0.065	0.0239
34	5.224	2408	297	VV	0.107	0.1352
35	5.631	878	166	VV	0.083	0.0493
36	5.719	895	134	VV	0.091	0.0502
37	5.909	739	148	VV	0.083	0.0415
38	5.965	1132	163	VV	0.116	0.0635
39	6.163	620	118	PV	0.080	0.0348
40	6.372	2180	416	VV	0.086	0.1224
41	6.449	1312	228	VV	0.096	0.0737
42	6.828	567	88	VV	0.091	0.0318
43	6.944	1858	217	VV	0.129	0.1043
44	7.107	566	141	VV	0.067	0.0317
45	7.220	593	150	VV	0.066	0.0333
46	7.293	440	152	VV	0.048	0.0247
47	7.624	1693827	266163	PV	0.093	95.0748
48	8.789	13760	1108	VV	0.207	0.7724
49	9.017	4957	771	VV	0.107	0.2782
50	9.132	6117	578	VV	0.176	0.3433
51	9.371	2738	408	VV	0.092	0.1537
52	9.582	1346	206	VB	0.096	0.0755
53	10.125	576	115	BV	0.084	0.0324
54	10.226	454	99	PV	0.076	0.0255
55	10.412	324	102	PV	0.051	0.0182
56	10.639	893	120	PV	0.124	0.0501
57	10.746	554	121	VV	0.077	0.0311
58	11.030	474	107	PV	0.074	0.0266
59	11.146	882	139	VV	0.106	0.0495
60	11.413	539	102	PV	0.088	0.0303
61	11.633	453	116	PV	0.065	0.0254
62	11.719	744	122	VV	0.102	0.0417
63	11.931	1062	158	VV	0.093	0.0596
64	12.077	173	86	PV	0.034	0.0097
65	12.261	694	124	PV	0.088	0.0390
66	12.439	587	116	VV	0.090	0.0330
67	12.628	1032	150	PV	0.098	0.0579
68	12.782	752	145	VV	0.080	0.0422
69	12.918	392	101	PV	0.058	0.0220
70	13.083	1215	147	VV	0.119	0.0682
71	13.311	1330	134	PV	0.164	0.0747
72	13.427	314	100	VV	0.052	0.0176
73	13.640	1534	168	VV	0.125	0.0861
74	13.786	553	125	PV	0.065	0.0310
75	14.039	1026	120	PV	0.136	0.0576
76	14.110	809	122	VV	0.088	0.0454
77	14.335	914	138	VV	0.098	0.0513
78	14.538	531	101	PV	0.072	0.0298
79	14.671	1169	162	VV	0.100	0.0656
80	14.875	1502	197	PV	0.108	0.0843

Total area = 1781573

Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\018R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\018F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 18

Sample Name : 208342-01 Injection Number : 1

Acquired on : 26-Aug-22 4:53 PM

Report Created on: 26 Aug 22 05:08 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
100	FID	7.626	137538	1.38E+05
93	PID	7.624	1693827	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.18 ppb	FID	3.038	871	4.82E+03
0.05 ppb	PID	3.101	1288	2.57E+04
Toluene				
0.32 ppb	FID	5.295	1491	4.71E+03
0.10 ppb	PID	5.224	2408	2.51E+04
Ethylbenzene				
0.20 ppb	FID	6.830	711	3.56E+03
0.03 ppb	PID	6.828	567	1.91E+04
m,p-Xylenes				
0.25 ppb	FID	6.961	994	4.03E+03
0.07 ppb	PID	6.944	1858	2.65E+04
o-Xylene				
0.22 ppb	FID	7.238	977	4.40E+03
0.02 ppb	PID	7.293	593	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.02 ppb	PID	11.030	893	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
24.79 ppb	FID		38049	1.53E+03
6.24 ppb	PID		37301	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-137538	1.15E+03
692.41 ppb	PID		-1693827	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\021F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-02
Run Time Bar Code:
Acquired on : 26 Aug 22 06:13 PM
Report Created on: 26 Aug 22 06:29 PM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\021F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.186	620	131	BV	0.072	0.2249
2	0.305	559	104	VV	0.076	0.2029
3	0.421	1025	135	VV	0.127	0.3719
4	0.685	963	220	VV	0.074	0.3492
5	0.920	20403	1838	VV	0.168	7.4012
6	1.195	1534	228	VV	0.112	0.5564
7	1.292	683	230	VV	0.050	0.2476
8	1.464	2718	362	VV	0.107	0.9858
9	1.557	939	204	VV	0.077	0.3405
10	1.940	1850	159	VV	0.194	0.6710
11	2.109	1523	136	VV	0.163	0.5526
12	2.253	1002	275	VV	0.061	0.3636
13	2.601	2968	171	VV	0.289	1.0765
14	2.883	1034	154	VV	0.089	0.3750
15	3.026	496	146	VV	0.057	0.1799
16	3.170	1985	189	VV	0.137	0.7202
17	3.391	694	177	VV	0.065	0.2516
18	3.494	1123	254	VV	0.072	0.4073
19	3.628	918	179	VV	0.085	0.3329
20	3.745	910	201	VV	0.075	0.3302
21	3.939	1148	210	VV	0.100	0.4163
22	3.985	1083	210	VV	0.086	0.3929
23	4.146	1812	182	VV	0.158	0.6573
24	4.536	665	291	VV	0.038	0.2412
25	4.618	306	139	VV	0.037	0.1109
26	4.704	714	227	VV	0.052	0.2588
27	4.815	830	234	VV	0.055	0.3010
28	4.875	653	198	VV	0.047	0.2368
29	5.013	870	247	VV	0.059	0.3154
30	5.161	1742	257	VV	0.098	0.6318
31	5.244	989	261	VV	0.063	0.3588
32	5.314	596	187	VV	0.053	0.2163
33	5.404	2054	324	VV	0.086	0.7449
34	5.558	1315	291	VV	0.075	0.4772
35	5.728	2979	295	VV	0.173	1.0805
36	5.997	2802	317	VV	0.122	1.0164
37	6.184	417	173	VV	0.040	0.1511
38	6.267	930	231	VV	0.067	0.3374
39	6.558	5226	325	VV	0.198	1.8956
40	7.005	4591	516	VV	0.125	1.6652
41	7.117	1876	505	VV	0.062	0.6804
42	7.229	1544	244	VV	0.106	0.5600
43	7.357	1235	356	VV	0.055	0.4478
44	7.627	136851	22669	VV	0.090	49.6423
45	7.980	7886	750	VV	0.134	2.8607
46	8.186	3560	443	VV	0.134	1.2914
47	8.389	6069	539	VV	0.152	2.2016

Data File Name : C:\HPCHEM\2\DATA\08-26-22\021F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-02
Run Time Bar Code:
Acquired on : 26 Aug 22 06:13 PM
Report Created on: 26 Aug 22 06:29 PM

Page Number : 2
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	8.562	2314	338	VV	0.114	0.8395
49	8.694	2940	341	VV	0.144	1.0666
50	8.866	852	298	VV	0.048	0.3090
51	8.917	1391	261	VV	0.089	0.5047
52	9.028	792	299	VV	0.044	0.2873
53	9.200	3121	274	VV	0.190	1.1321
54	9.373	1207	251	VV	0.080	0.4379
55	9.496	1278	244	VV	0.087	0.4637
56	9.599	1960	227	VV	0.150	0.7108
57	9.752	581	200	VV	0.048	0.2108
58	9.811	2917	186	VV	0.214	1.0582
59	10.344	3507	195	VV	0.341	1.2722
60	10.641	970	148	VV	0.109	0.3519
61	10.815	941	160	PV	0.103	0.3415
62	10.974	728	157	VV	0.077	0.2642
63	11.136	1281	131	VV	0.163	0.4646
64	11.297	1138	174	VV	0.109	0.4130
65	11.649	801	168	VV	0.079	0.2907
66	11.801	459	150	VV	0.051	0.1666
67	11.933	598	118	VV	0.084	0.2168
68	12.041	704	178	VV	0.062	0.2554
69	12.206	1180	115	PV	0.139	0.4280
70	12.404	255	146	VV	0.029	0.0924
71	12.492	638	227	VV	0.054	0.2315
72	12.948	2368	191	VV	0.239	0.8591
73	13.165	1497	104	PV	0.185	0.5431
74	13.560	697	136	VV	0.085	0.2529
75	13.684	629	69	PV	0.152	0.2282
76	14.061	1806	144	VV	0.209	0.6552
77	14.423	423	156	PV	0.076	0.1535
78	14.659	371	47	PB	0.125	0.1345
79	15.155	416	179	BV	0.039	0.1509
80	15.230	226	140	PV	0.027	0.0819

Total area = 275674

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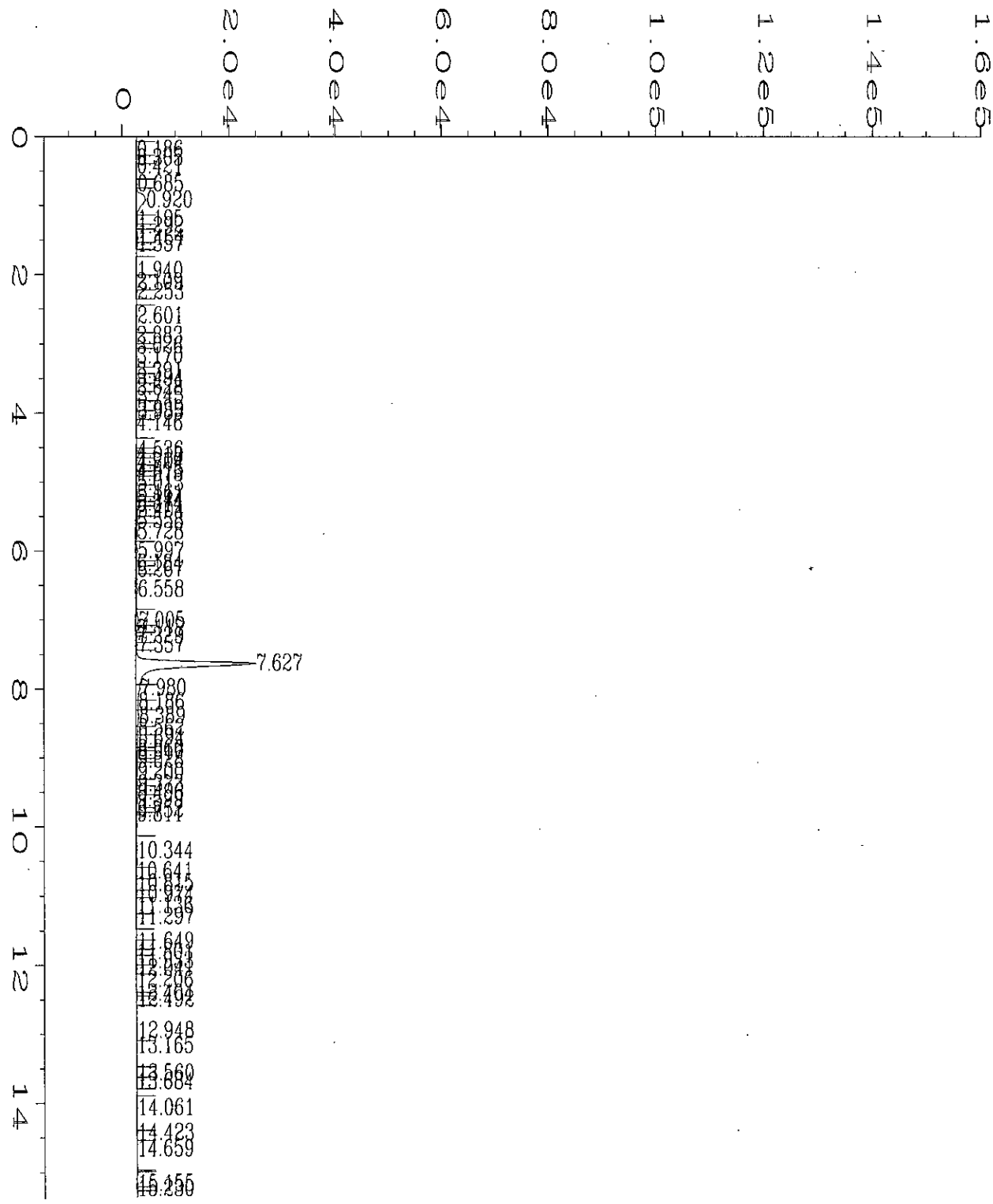
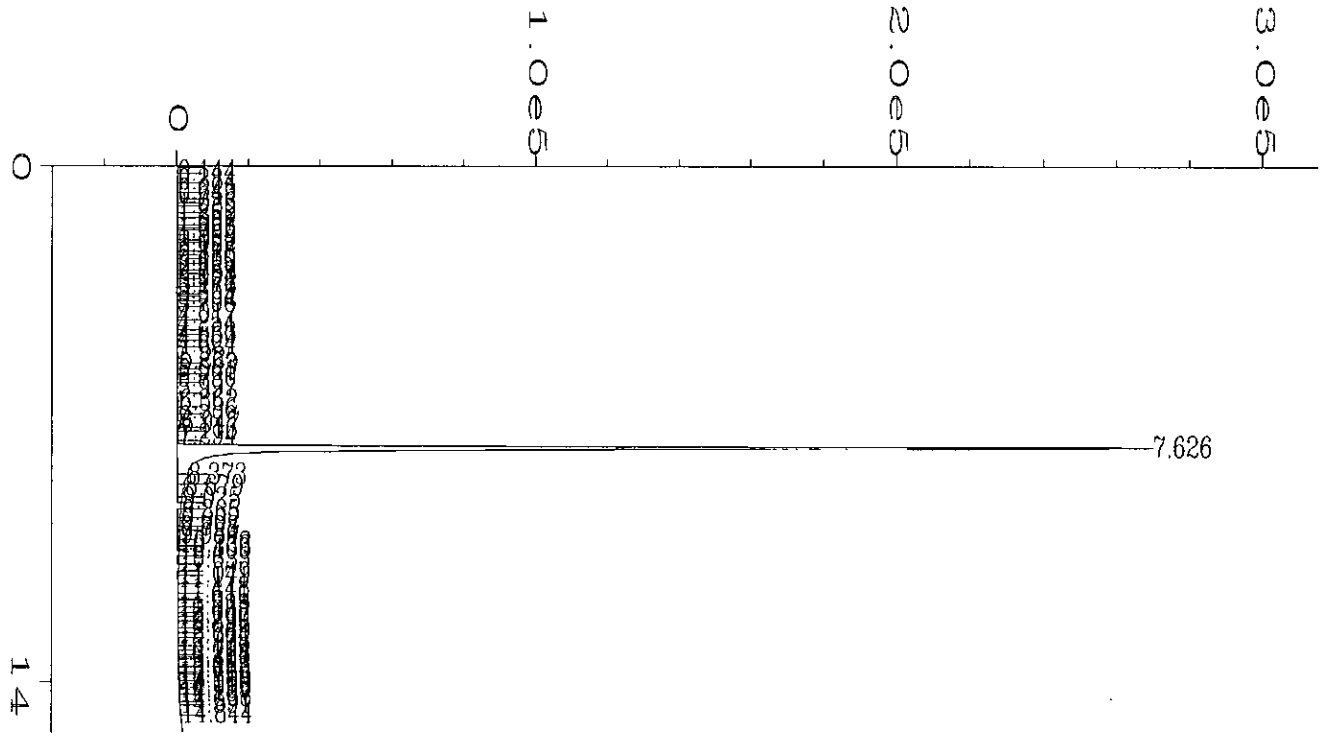


Data File Name : C:\HPCHEM\2\DATA\08-26-22\021F0101.D

Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 21
Sample Name	: 208312-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 06:13 PM	Instrument Method	: GX.MTH
Report Created on:	26 Aug 22 06:29 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\021R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-02
Run Time Bar Code:
Acquired on : 26 Aug 22 06:13 PM
Report Created on: 26 Aug 22 06:29 PM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\021R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.144	496	99	BV	0.072	0.0258
2	0.384	798	111	VV	0.140	0.0415
3	0.645	1566	166	VV	0.158	0.0814
4	0.749	569	81	PV	0.117	0.0296
5	1.026	520	137	VV	0.055	0.0270
6	1.202	1121	168	VV	0.100	0.0582
7	1.357	839	134	VV	0.084	0.0436
8	1.507	1689	180	VV	0.132	0.0878
9	1.626	340	116	VV	0.049	0.0177
10	1.706	278	106	VV	0.044	0.0145
11	1.908	2053	176	VV	0.160	0.1066
12	2.052	511	146	VV	0.058	0.0266
13	2.177	1588	141	VV	0.188	0.0825
14	2.375	494	121	VV	0.063	0.0257
15	2.480	566	151	VV	0.061	0.0294
16	2.600	1060	180	VV	0.086	0.0551
17	2.787	1571	178	VV	0.140	0.0816
18	2.889	490	140	VV	0.058	0.0255
19	2.964	922	129	VV	0.099	0.0479
20	3.172	1430	198	VV	0.095	0.0743

21	3.369	1229	156	VV	0.116	0.0638
22	3.504	299	126	VV	0.039	0.0155
23	3.706	541	140	VV	0.065	0.0281
24	4.017	2370	196	PV	0.168	0.1232
25	4.254	1885	165	VV	0.171	0.0979
26	4.533	595	185	VV	0.049	0.0309
27	4.669	851	165	PV	0.086	0.0442
28	4.824	1385	217	VV	0.097	0.0719
29	5.225	6612	723	PV	0.124	0.3435
30	5.393	2059	357	VV	0.096	0.1070
31	5.561	1912	330	VV	0.086	0.0993
32	5.730	2007	306	VV	0.095	0.1043
33	5.997	1838	206	PV	0.118	0.0955
34	6.362	5664	487	VV	0.146	0.2943
35	6.586	2380	340	VV	0.103	0.1236
36	6.947	10186	1001	VV	0.138	0.5292
37	7.116	2256	477	VV	0.079	0.1172
38	7.294	4356	416	VV	0.132	0.2263
39	7.626	1710862	271515	VV	0.093	88.8887
40	8.373	38789	3068	VV	0.211	2.0153
41	8.679	34055	2037	VV	0.210	1.7693
42	9.025	10739	1311	VV	0.112	0.5579
43	9.365	12388	1044	VV	0.152	0.6436
44	9.602	10294	841	VV	0.155	0.5348
45	9.798	3952	675	VV	0.098	0.2054
46	9.984	8400	742	VV	0.150	0.4364
47	10.222	4587	521	VV	0.128	0.2383
48	10.333	1903	443	VV	0.061	0.0989
49	10.400	1057	409	VV	0.043	0.0549
50	10.635	4008	333	VV	0.169	0.2082
51	11.049	1190	205	VV	0.088	0.0618
52	11.171	1482	175	VV	0.141	0.0770
53	11.448	1720	141	VV	0.196	0.0894
54	11.611	677	135	VB	0.084	0.0352
55	11.933	360	99.9	BV	0.068	0.0187
56	12.088	528	112	PV	0.072	0.0274
57	12.147	788	171	VV	0.077	0.0409
58	12.290	964	154	VV	0.095	0.0501
59	12.398	1168	220	VV	0.089	0.0607
60	12.640	672	148	PV	0.066	0.0349
61	12.704	594	123	VV	0.080	0.0308
62	12.903	1057	125	VV	0.135	0.0549
63	13.119	122	32	PV	0.054	0.0063
64	13.224	394	107	PV	0.061	0.0205
65	13.297	217	83	VV	0.043	0.0113
66	13.360	80	44	VV	0.030	0.0041
67	13.495	652	102	PV	0.087	0.0339
68	13.613	196	74	VV	0.044	0.0102
69	13.776	73	26	VV	0.047	0.0038
70	13.899	751	95	PV	0.131	0.0390
71	14.000	387	132	VV	0.049	0.0201
72	14.050	138	76	VV	0.030	0.0072
73	14.110	72	46	PV	0.026	0.0038
74	14.165	120	66	PV	0.030	0.0062
75	14.267	492	73	VV	0.092	0.0256
76	14.398	567	149	VV	0.086	0.0295
77	14.591	195	60	PV	0.048	0.0101
78	14.844	703	99	PV	0.119	0.0365

Total area = 1924723

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\021R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\021F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 21
Sample Name : 208312-02 Injection Number : 1
Acquired on : 26-Aug-22 6:13 PM
Report Created on: 26 Aug 22 06:29 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
99	FID	7.627	136851	1.38E+05
94	PID	7.626	1710862	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.41 ppb	FID	3.170	1985	4.82E+03
0.06 ppb	PID	3.172	1430	2.57E+04
Toluene				
0.37 ppb	FID	5.244	1742	4.71E+03
0.26 ppb	PID	5.225	6612	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.00 ppb	PID	0.000	0	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.38 ppb	PID	6.947	10186	2.65E+04
o-Xylene				
0.35 ppb	FID	7.229	1544	4.40E+03
0.17 ppb	PID	7.294	4356	2.55E+04
Nap-PID, C12-FID				
0.31 ppb	FID	11.136	1281	4.16E+03
0.09 ppb	PID	11.049	4008	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
43.99 ppb	FID		67515	1.53E+03
20.54 ppb	PID		122699	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-136851	1.15E+03
699.38 ppb	PID		-1710862	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\022F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-03
Run Time Bar Code:
Acquired on : 26 Aug 22 06:40 PM
Report Created on: 26 Aug 22 06:56 PM
Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\022F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.120	74	74	BV	0.017	0.0244
2	0.535	845	223	BV	0.063	0.2795
3	0.613	572	164	VV	0.058	0.1892
4	0.745	476	247	VV	0.032	0.1575
5	0.903	19222	1723	PV	0.153	6.3619
6	1.222	1098	225	VV	0.070	0.3634
7	1.305	1150	249	VV	0.073	0.3805
8	1.433	2123	337	VV	0.083	0.7026
9	1.552	1825	309	VV	0.098	0.6042
10	1.810	1526	184	VV	0.138	0.5051
11	1.947	433	191	VV	0.038	0.1434
12	2.002	428	163	VV	0.044	0.1416
13	2.053	661	192	VV	0.057	0.2189
14	2.244	2526	193	VV	0.191	0.8360
15	2.452	607	151	VV	0.067	0.2008
16	2.561	501	142	VV	0.059	0.1657
17	2.630	486	217	VV	0.037	0.1609
18	2.719	698	165	VV	0.063	0.2310
19	2.773	1571	252	VV	0.104	0.5199
20	2.987	841	182	VV	0.067	0.2782
21	3.184	2472	214	VV	0.161	0.8183
22	3.362	913	171	VV	0.089	0.3022
23	3.465	940	222	VV	0.070	0.3112
24	3.614	679	226	VV	0.050	0.2246
25	3.798	1499	219	VV	0.114	0.4962
26	3.920	1502	125	PV	0.200	0.4970
27	4.136	509	211	VV	0.040	0.1683
28	4.182	746	170	VV	0.073	0.2470
29	4.304	617	174	VV	0.062	0.2041
30	4.443	949	160	VV	0.103	0.3142
31	4.576	775	218	VV	0.058	0.2564
32	4.663	1015	156	PV	0.108	0.3361
33	4.828	504	317	VV	0.026	0.1669
34	4.923	1109	177	PV	0.084	0.3672
35	5.084	981	197	PV	0.083	0.3247
36	5.249	914	232	VV	0.061	0.3026
37	5.441	1036	174	VV	0.099	0.3427
38	5.517	714	148	VV	0.072	0.2362
39	5.618	670	168	VV	0.067	0.2218
40	5.833	1475	223	VV	0.110	0.4881
41	5.930	939	188	VV	0.083	0.3109
42	6.035	763	157	VV	0.081	0.2524
43	6.174	410	125	VV	0.055	0.1357
44	6.240	541	244	VV	0.037	0.1791
45	6.363	1060	265	VV	0.067	0.3509
46	6.507	780	189	PV	0.060	0.2581
47	6.576	2124	343	VV	0.103	0.7030

Data File Name : C:\HPCHEM\2\DATA\08-26-22\022F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-03
Run Time Bar Code:
Acquired on : 26 Aug 22 06:40 PM
Report Created on: 26 Aug 22 06:56 PM

Page Number : 2
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	6.826	1817	224	VV	0.110	0.6014
49	6.987	1128	222	VV	0.075	0.3732
50	7.204	2526	367	VV	0.127	0.8359
51	7.335	1786	335	VV	0.091	0.5912
52	7.398	867	199	VV	0.073	0.2870
53	7.626	137974	23200	VV	0.088	45.6657
54	7.935	7853	931	VV	0.141	2.5990
55	8.129	4688	670	VV	0.101	1.5516
56	8.241	1752	583	VV	0.050	0.5797
57	8.373	8465	1026	VV	0.120	2.8017
58	8.496	1403	515	VV	0.045	0.4643
59	8.560	5726	616	VV	0.128	1.8951
60	8.721	3665	577	VV	0.106	1.2130
61	8.856	2382	606	VV	0.057	0.7885
62	8.917	1832	554	VV	0.055	0.6062
63	8.991	5493	542	VV	0.130	1.8182
64	9.220	3605	524	VV	0.099	1.1932
65	9.308	2540	553	VV	0.077	0.8407
66	9.641	2108	476	VV	0.063	0.6977
67	9.783	1695	450	VV	0.061	0.5611
68	9.972	4268	427	VV	0.166	1.4127
69	10.027	3695	484	VV	0.127	1.2230
70	10.210	1441	326	VV	0.064	0.4770
71	10.306	2397	315	VV	0.127	0.7935
72	10.489	3043	341	VV	0.137	1.0071
73	10.652	578	170	VV	0.057	0.1912
74	10.747	825	260	VV	0.053	0.2729
75	10.812	420	183	VV	0.044	0.1389
76	10.872	502	173	VV	0.048	0.1661
77	10.932	990	129	VV	0.128	0.3276
78	11.117	640	166	VV	0.064	0.2118
79	11.183	367	146	VV	0.045	0.1215
80	11.265	435	266	VV	0.027	0.1438
81	11.404	1764	146	VV	0.176	0.5839
82	12.266	359	171	VV	0.035	0.1188
83	12.326	453	179	VV	0.042	0.1500
84	12.384	412	208	PV	0.033	0.1365
85	12.482	889	171	VV	0.081	0.2943
86	12.776	1656	236	VV	0.117	0.5481
87	12.847	323	119	PV	0.045	0.1069
88	12.904	427	213	VV	0.033	0.1414
89	12.999	962	173	VV	0.088	0.3184
90	13.153	600	166	VV	0.060	0.1987
91	13.217	994	124	VV	0.133	0.3290
92	13.485	934	188	VV	0.083	0.3090
93	13.565	472	134	VV	0.056	0.1562
94	13.636	342	125	VV	0.046	0.1131
95	13.729	669	140	VV	0.090	0.2214
96	13.880	1105	205	VV	0.090	0.3656
97	14.050	1118	147	VV	0.111	0.3700
98	14.282	816	200	VV	0.068	0.2700
99	14.358	583	163	VV	0.060	0.1931
100	14.457	520	129	VV	0.061	0.1722
101	14.561	734	110	VV	0.111	0.2430

Data File Name : C:\HPCHEM\2\DATA\08-26-22\022F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-03
Run Time Bar Code:
Acquired on : 26 Aug 22 06:40 PM
Report Created on: 26 Aug 22 06:56 PM

Page Number : 3
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

102	14.906	1458	279	VV	0.087	0.4825
103	14.989	957	165	PV	0.097	0.3168
104	15.204	232	102	VV	0.038	0.0767
105	15.268	159	85	PBA	0.031	0.0526

Total area = 302138

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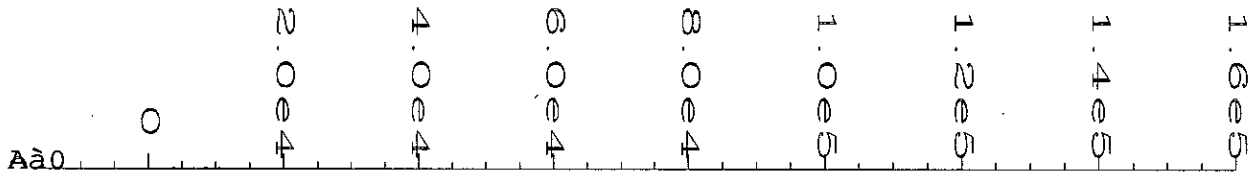
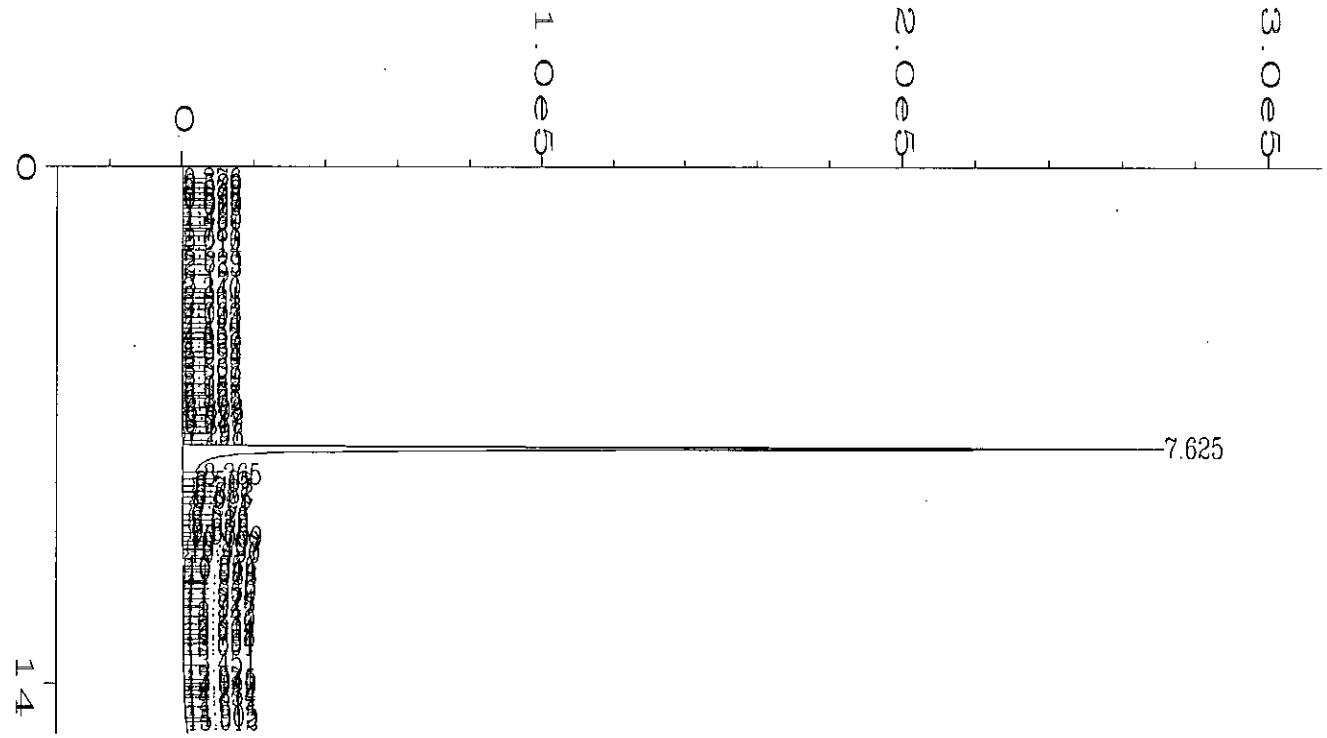


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\022F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 22
Sample Name	: 208312-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 06:40 PM	Instrument Method	: GX.MTH
Report Created on	: 26 Aug 22 06:56 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\022R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-03
Run Time Bar Code:
Acquired on : 26 Aug 22 06:40 PM
Report Created on: 26 Aug 22 06:56 PM

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\022R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.376	342	108	PV	0.049	0.0161
2	0.529	645	154	PV	0.066	0.0303
3	0.679	185	76	PV	0.049	0.0087
4	0.823	1177	200	VV	0.098	0.0553
5	0.895	429	128	VV	0.056	0.0201
6	1.017	800	136	VV	0.085	0.0376
7	1.080	555	152	VV	0.061	0.0261
8	1.293	1612	228	VV	0.121	0.0758
9	1.460	1920	198	VV	0.140	0.0902
10	1.721	128	79	PV	0.027	0.0060
11	1.787	478	112	VV	0.061	0.0224
12	2.010	965	108	VV	0.150	0.0454
13	2.214	460	98	VV	0.079	0.0216
14	2.629	563	119	BV	0.079	0.0265
15	2.733	1291	154	VV	0.140	0.0606
16	3.171	3750	364	PV	0.141	0.1762
17	3.340	453	93	VV	0.070	0.0213
18	3.601	699	141	VV	0.069	0.0328
19	3.792	440	82	PV	0.084	0.0207
20	4.003	1707	189	VV	0.125	0.0802

21	4.144	638	150	VB	0.071	0.0300
22	4.439	429	102	PV	0.060	0.0202
23	4.553	597	146	VV	0.077	0.0280
24	4.657	350	131	VV	0.044	0.0164
25	4.820	2121	186	VV	0.175	0.0997
26	5.094	1044	187	PV	0.081	0.0491
27	5.229	1983	265	VV	0.102	0.0932
28	5.507	886	162	VV	0.074	0.0416
29	5.729	2372	226	VV	0.139	0.1115
30	5.987	1767	187	VV	0.135	0.0830
31	6.153	505	157	VV	0.054	0.0237
32	6.225	533	176	VV	0.051	0.0251
33	6.365	3277	388	VV	0.116	0.1540
34	6.608	5749	853	VV	0.103	0.2701
35	6.837	3045	382	VV	0.111	0.1431
36	6.947	2320	347	VV	0.097	0.1090
37	7.197	4460	651	VV	0.114	0.2096
38	7.298	5722	762	VV	0.108	0.2689
39	7.625	1719930	273591	VV	0.092	80.8174
40	8.365	49160	5712	VV	0.121	2.3100
41	8.567	34502	3339	VV	0.144	1.6212
42	8.717	26070	3153	VV	0.113	1.2250
43	8.882	26241	3223	VV	0.119	1.2330
44	9.025	26129	2912	VV	0.129	1.2277
45	9.231	36812	2553	VV	0.184	1.7297
46	9.516	17089	2209	VV	0.104	0.8030
47	9.638	16318	2133	VV	0.105	0.7668
48	9.876	23637	2271	VV	0.145	1.1107
49	9.978	12922	2216	VV	0.084	0.6072
50	10.069	12510	2150	VV	0.097	0.5878
51	10.209	8241	1371	VV	0.081	0.3872
52	10.307	9312	1504	VV	0.091	0.4376
53	10.490	16870	1576	VV	0.159	0.7927
54	10.856	2857	554	VV	0.086	0.1342
55	10.944	2211	532	VV	0.069	0.1039
56	11.088	6761	612	VV	0.159	0.3177
57	11.346	2796	373	VV	0.116	0.1314
58	11.550	3738	351	VV	0.143	0.1756
59	11.774	2215	240	VV	0.154	0.1041
60	11.947	616	204	VV	0.050	0.0289
61	12.142	2130	184	VV	0.193	0.1001
62	12.330	1280	165	VV	0.129	0.0601
63	12.514	616	132	PV	0.078	0.0289
64	12.601	723	143	VV	0.070	0.0340
65	12.738	619	152	VV	0.058	0.0291
66	12.894	606	185	PV	0.067	0.0285
67	13.001	840	110	VV	0.135	0.0395
68	13.451	1710	154	PV	0.158	0.0804
69	13.871	1998	163	PV	0.243	0.0939
70	13.945	656	181	VV	0.060	0.0308
71	14.049	626	161	VV	0.065	0.0294
72	14.129	443	116	VV	0.059	0.0208
73	14.274	404	93	PV	0.073	0.0190
74	14.354	158	54	VV	0.049	0.0074
75	14.614	658	98	PV	0.088	0.0309
76	14.905	1124	131	VV	0.143	0.0528
77	15.012	247	77	PV	0.055	0.0116

Total area = 2128169

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\022R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\022F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 22
Sample Name : 208312-03 Injection Number : 1
Acquired on : 26-Aug-22 6:40 PM
Report Created on: 26 Aug 22 06:56 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
100	FID	7.626	137974	1.38E+05
95	PID	7.625	1719930	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.51 ppb	FID	3.184	2472	4.82E+03
0.15 ppb	PID	3.171	3750	2.57E+04
Toluene				
0.21 ppb	FID	5.249	981	4.71E+03
0.08 ppb	PID	5.229	1983	2.51E+04
Ethylbenzene				
0.51 ppb	FID	6.826	1817	3.56E+03
0.16 ppb	PID	6.837	3045	1.91E+04
m,p-Xylenes				
0.28 ppb	FID	6.987	1128	4.03E+03
0.09 ppb	PID	6.947	2320	2.65E+04
o-Xylene				
0.57 ppb	FID	7.335	2526	4.40E+03
0.22 ppb	PID	7.298	5722	2.55E+04
Nap-PID, C12-FID				
0.15 ppb	FID	11.117	640	4.16E+03
0.15 ppb	PID	11.088	6761	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
50.83 ppb	FID		78019	1.53E+03
30.27 ppb	PID		180820	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-137974	1.15E+03
703.08 ppb	PID		-1719930	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-26-22\023F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-04
Run Time Bar Code:
Acquired on : 26 Aug 22 07:07 PM
Report Created on: 26 Aug 22 07:23 PM

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-26-22\023F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.134	177	92	BV	0.036	0.0451
2	0.204	370	166	PV	0.037	0.0942
3	0.296	203	75	PV	0.041	0.0518
4	0.347	309	138	VV	0.037	0.0785
5	0.443	810	149	VV	0.091	0.2061
6	0.563	498	135	VV	0.061	0.1266
7	0.677	1075	228	VV	0.069	0.2735
8	0.873	16645	1512	VV	0.155	4.2354
9	1.203	497	221	VV	0.037	0.1263
10	1.251	564	191	VV	0.049	0.1435
11	1.339	678	215	VV	0.053	0.1726
12	1.455	1412	309	VV	0.076	0.3594
13	1.530	1014	243	VV	0.058	0.2580
14	1.599	753	177	VV	0.071	0.1917
15	1.846	2873	232	VV	0.168	0.7310
16	2.054	516	177	VV	0.049	0.1313
17	2.145	480	185	VV	0.043	0.1222
18	2.256	1283	222	VV	0.096	0.3265
19	2.373	902	220	VV	0.068	0.2294
20	2.681	2390	276	PV	0.111	0.6081
21	2.728	1408	319	VV	0.073	0.3582
22	2.810	2183	299	VV	0.122	0.5555
23	3.039	1157	242	VV	0.073	0.2945
24	3.109	441	204	VV	0.036	0.1122
25	3.248	4009	430	VV	0.126	1.0200
26	3.545	12248	1483	VV	0.126	3.1167
27	3.760	608	263	VV	0.039	0.1548
28	3.895	3317	528	VV	0.088	0.8441
29	3.983	845	180	VV	0.078	0.2151
30	4.162	983	211	VV	0.068	0.2500
31	4.239	334	114	VV	0.049	0.0850
32	4.302	1185	166	VV	0.110	0.3015
33	4.618	10241	1343	VV	0.118	2.6058
34	4.940	3201	360	VV	0.148	0.8144
35	5.061	3061	274	VV	0.142	0.7789
36	5.489	877	177	VV	0.068	0.2233
37	5.586	808	269	VV	0.050	0.2055
38	5.682	967	289	VV	0.051	0.2461
39	5.746	2109	355	VV	0.099	0.5367
40	5.957	2180	292	VV	0.107	0.5548
41	6.162	920	204	VV	0.075	0.2341
42	6.292	460	139	VV	0.053	0.1171
43	6.354	603	243	VV	0.047	0.1535
44	6.455	2135	356	VV	0.084	0.5434
45	6.621	1873	262	VV	0.100	0.4767
46	6.828	3459	337	VV	0.147	0.8801
47	7.043	668	236	VV	0.047	0.1700

Data File Name : C:\HPCHEM\2\DATA\08-26-22\023F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-04
Run Time Bar Code:
Acquired on : 26 Aug 22 07:07 PM
Report Created on: 26 Aug 22 07:23 PM

Page Number : 2
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	7.216	3758	623	VV	0.101	0.9561
49	7.280	3782	654	VV	0.089	0.9623
50	7.451	2034	352	VV	0.084	0.5175
51	7.625	145272	23400	VV	0.092	36.9658
52	7.913	8152	1168	VV	0.116	2.0745
53	8.035	2639	850	VV	0.052	0.6715
54	8.165	19104	2176	VV	0.126	4.8613
55	8.328	10045	1187	VV	0.112	2.5561
56	8.597	6368	840	VV	0.099	1.6205
57	8.770	10278	1219	VV	0.109	2.6153
58	8.895	7715	1247	VV	0.088	1.9632
59	9.007	7282	960	VV	0.100	1.8529
60	9.220	12651	1399	VV	0.120	3.2193
61	9.436	5027	601	VV	0.140	1.2791
62	9.598	4022	574	VV	0.117	1.0234
63	9.786	6998	913	VV	0.116	1.7808
64	9.985	8377	1252	VV	0.092	2.1315
65	10.201	5737	662	VV	0.117	1.4598
66	10.371	2118	276	VV	0.128	0.5389
67	10.583	4068	507	VV	0.104	1.0350
68	10.760	853	191	VV	0.074	0.2171
69	10.878	1524	213	VV	0.120	0.3879
70	11.040	776	234	VV	0.055	0.1974
71	11.116	1143	242	VV	0.079	0.2907
72	11.323	1304	207	VV	0.098	0.3318
73	11.506	659	219	VV	0.050	0.1678
74	11.563	288	138	VV	0.035	0.0733
75	11.814	1996	187	VV	0.196	0.5079
76	11.932	680	152	VV	0.075	0.1730
77	12.083	857	176	VV	0.081	0.2181
78	12.194	550	196	VV	0.047	0.1398
79	12.281	901	162	PV	0.093	0.2293
80	12.534	1042	230	VV	0.067	0.2651
81	12.708	703	109	VV	0.098	0.1788
82	12.802	475	218	VV	0.036	0.1209
83	12.909	556	131	VV	0.062	0.1414
84	13.041	532	176	VV	0.050	0.1353
85	13.146	424	130	PV	0.050	0.1080
86	13.299	519	109	VV	0.080	0.1321
87	13.379	339	62	VV	0.077	0.0864
88	13.479	165	71	VV	0.039	0.0421
89	13.626	338	86	VV	0.057	0.0861
90	13.702	183	71	VV	0.043	0.0466
91	14.050	661	101	BV	0.109	0.1683
92	14.310	409	159	VV	0.043	0.1042
93	14.386	400	173	PV	0.038	0.1017
94	14.479	451	185	VV	0.040	0.1148
95	14.555	303	105	VV	0.048	0.0771
96	14.652	603	209	VV	0.052	0.1535
97	14.770	375	105	PV	0.053	0.0953
98	14.905	603	164	VV	0.063	0.1535
99	15.041	907	172	PV	0.096	0.2307
100	15.223	315	109	PBA	0.049	0.0802

Data File Name	: C:\HPCHEM\2\DATA\08-26-22\023F0101.D		
Operator	: awb	Page Number	: 3
Instrument	: GC2	Vial Number	: 23
Sample Name	: 208312-04	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 07:07 PM	Instrument Method	: GX.MTH
Report Created on	: 26 Aug 22 07:23 PM	Analysis Method	: GX.MTH

Total area = 392989

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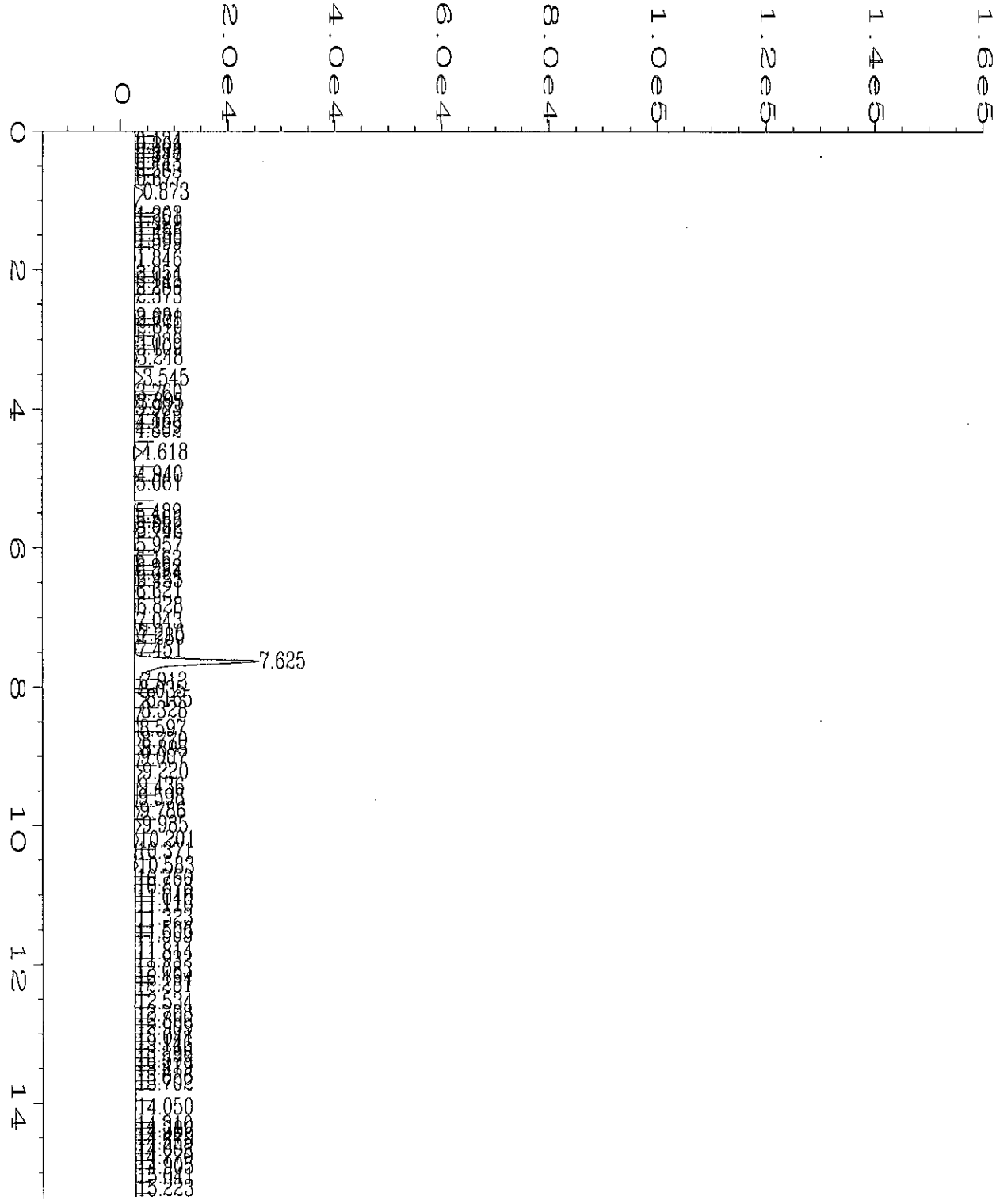
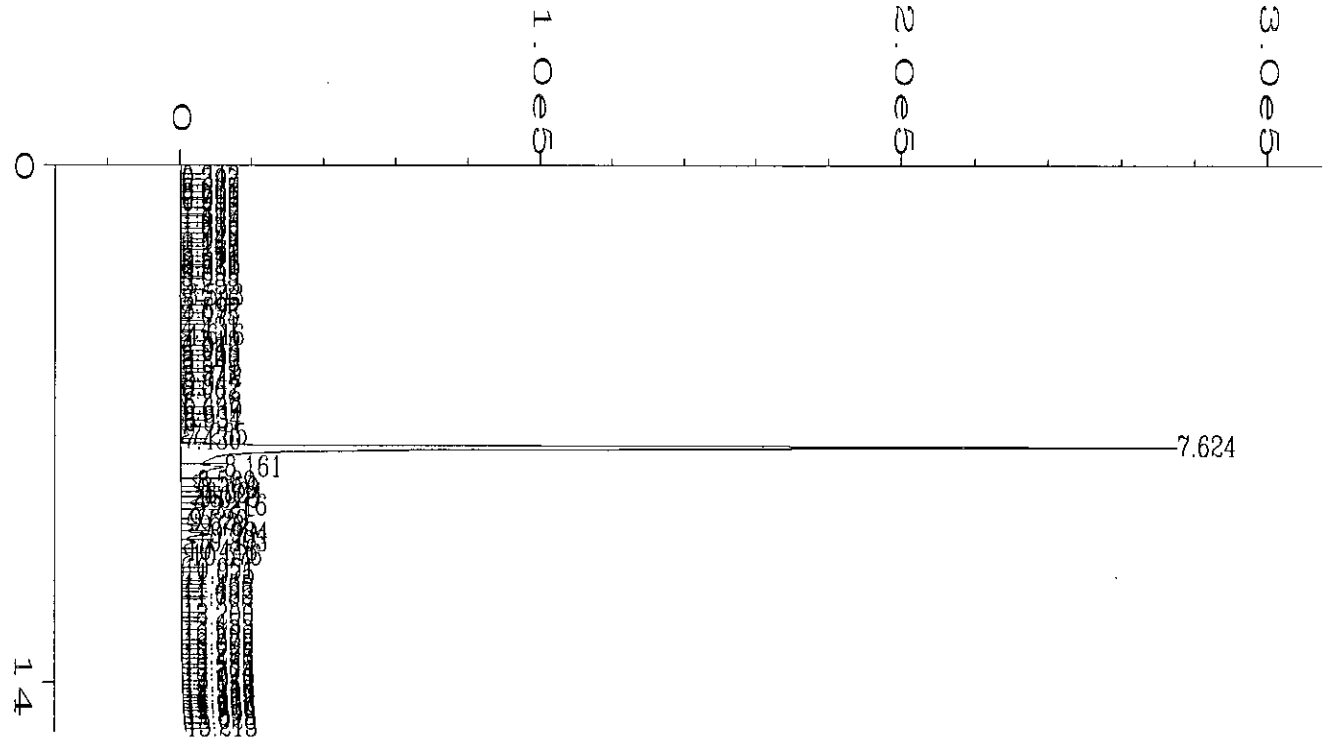


Data File Name	: C:\HPCHEM\2\DATA\08-26-22\023F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 23
Sample Name	: 208312-04	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Aug 22 07:07 PM	Instrument Method	: GX.MTH
Report Created on	: 26 Aug 22 07:23 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-26-22\023R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208312-04
Run Time Bar Code:
Acquired on : 26 Aug 22 07:07 PM
Report Created on: 26 Aug 22 07:23 PM

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-26-22\023R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.343	528	137	PV	0.061	0.0214
2	0.397	433	88	VV	0.082	0.0175
3	0.667	539	95	VV	0.086	0.0218
4	0.796	799	128	PV	0.088	0.0323
5	0.917	488	131	VV	0.062	0.0197
6	0.998	935	145	VV	0.096	0.0378
7	1.203	846	130	VV	0.108	0.0342
8	1.337	356	123	VV	0.048	0.0144
9	1.415	1246	140	VV	0.119	0.0504
10	1.636	1071	177	VV	0.086	0.0433
11	1.799	784	189	VV	0.069	0.0317
12	1.949	922	158	VV	0.097	0.0373
13	2.147	467	133	VV	0.059	0.0189
14	2.248	406	106	VV	0.064	0.0164
15	2.372	689	104	VV	0.127	0.0279
16	2.571	732	127	VV	0.085	0.0296
17	2.671	848	228	VV	0.053	0.0343
18	2.726	1043	286	VV	0.061	0.0422
19	2.859	2582	252	VV	0.157	0.1045
20	3.035	417	169	VV	0.041	0.0169

21	3.253	3306	384	PV	0.114	0.1337
22	3.543	11274	1499	VV	0.117	0.4562
23	3.716	802	171	VV	0.072	0.0325
24	3.892	2627	420	VV	0.089	0.1063
25	4.075	1189	155	VV	0.121	0.0481
26	4.431	573	113	PV	0.071	0.0232
27	4.616	10918	1568	VV	0.108	0.4418
28	4.812	1260	235	VV	0.089	0.0510
29	4.943	2454	420	VV	0.087	0.0993
30	5.053	1194	218	VV	0.091	0.0483
31	5.206	1792	250	VV	0.103	0.0725
32	5.343	1756	207	VV	0.141	0.0710
33	5.571	840	173	VV	0.070	0.0340
34	5.742	5322	778	VV	0.101	0.2154
35	5.947	4228	630	VV	0.095	0.1711
36	6.062	1323	220	VV	0.100	0.0535
37	6.448	6996	813	VV	0.120	0.2831
38	6.627	2315	354	VV	0.088	0.0937
39	6.834	4522	787	VV	0.083	0.1830
40	6.937	4543	641	VV	0.103	0.1838
41	7.285	23170	2354	VV	0.134	0.9375
42	7.430	2154	480	VV	0.075	0.0871
43	7.624	1732991	277378	VV	0.092	70.1203
44	8.161	165805	11965	VV	0.182	6.7088
45	8.589	51883	4457	VV	0.154	2.0993
46	8.759	34717	5401	VV	0.093	1.4047
47	8.894	45293	6478	VV	0.103	1.8326
48	9.012	39759	5064	VV	0.110	1.6087
49	9.216	49519	7748	VV	0.092	2.0036
50	9.321	41546	3357	VV	0.206	1.6810
51	9.629	16411	2223	VV	0.109	0.6640
52	9.785	36725	5056	VV	0.104	1.4860
53	9.984	54618	8098	VV	0.097	2.2099
54	10.203	31070	4141	VV	0.109	1.2571
55	10.448	8900	1370	VV	0.090	0.3601
56	10.576	22938	2653	VV	0.118	0.9281
57	10.951	3798	585	VV	0.094	0.1537
58	11.075	4886	580	VV	0.119	0.1977
59	11.405	1056	212	VV	0.069	0.0427
60	11.492	756	200	VV	0.063	0.0306
61	11.623	1534	227	VV	0.113	0.0621
62	11.702	694	219	VV	0.053	0.0281
63	12.200	1159	205	VV	0.078	0.0469
64	12.455	1514	195	VV	0.104	0.0613
65	12.783	1571	173	PV	0.120	0.0636
66	12.878	708	162	VV	0.065	0.0286
67	13.003	411	130	VV	0.053	0.0166
68	13.227	721	128	PV	0.076	0.0292
69	13.276	402	102	VV	0.065	0.0163
70	13.425	794	134	VV	0.099	0.0321
71	13.585	412	122	VV	0.056	0.0167
72	13.704	533	108	VV	0.073	0.0216
73	13.940	1038	136	PV	0.127	0.0420
74	14.014	350	102	VV	0.057	0.0142
75	14.143	484	141	VV	0.062	0.0196
76	14.304	906	159	VV	0.085	0.0367
77	14.383	137	67	VV	0.034	0.0055
78	14.467	296	114	PV	0.042	0.0120
79	14.552	382	116	PV	0.053	0.0154
80	14.618	508	132	VV	0.064	0.0205
81	14.736	359	130	PV	0.045	0.0145
82	14.893	1402	187	VV	0.108	0.0567

83	15.028	1085	170	VV	0.095	0.0439
84	15.213	700	139	PV	0.068	0.0283

Total area = 2471453

==========

Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-26-22\023R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-26-22\023F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 23
Sample Name : 208312-04 Injection Number : 1
Acquired on : 26-Aug-22 7:07 PM
Report Created on: 26 Aug 22 07:23 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
105	FID	7.625	145272	1.38E+05
95	PID	7.624	1732991	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.83 ppb	FID	3.248	4009	4.82E+03
0.13 ppb	PID	3.253	3306	2.57E+04
Toluene				
0.65 ppb	FID	5.061	3061	4.71E+03
0.07 ppb	PID	5.206	1792	2.51E+04
Ethylbenzene				
0.97 ppb	FID	6.828	3459	3.56E+03
0.24 ppb	PID	6.834	4522	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.17 ppb	PID	6.937	4543	2.65E+04
o-Xylene				
0.86 ppb	FID	7.280	3782	4.40E+03
0.91 ppb	PID	7.285	23170	2.55E+04
Nap-PID, C12-FID				
0.27 ppb	FID	11.116	1143	4.16E+03
0.11 ppb	PID	11.075	4886	4.55E+04

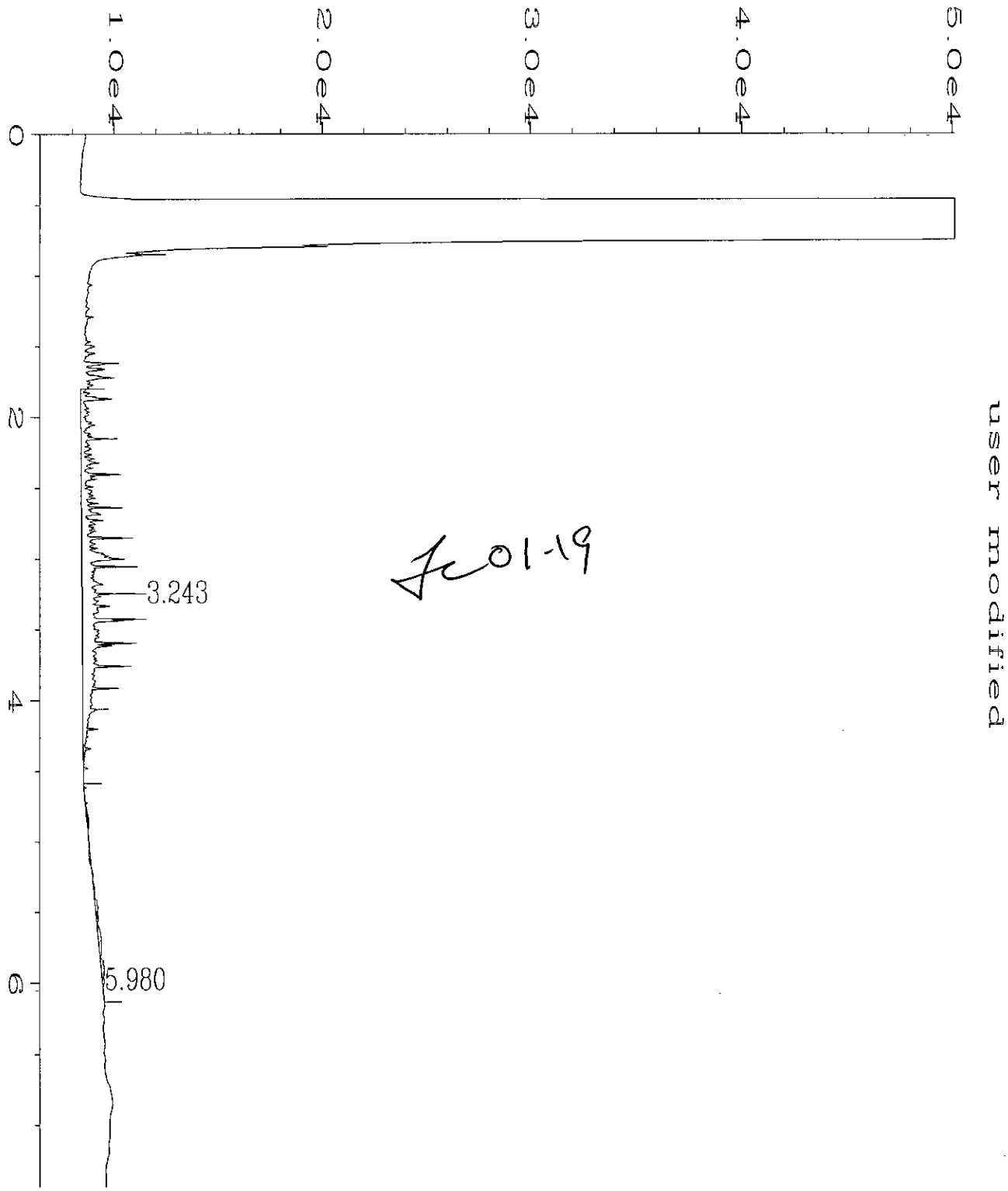
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
91.12 ppb	FID		139846	1.53E+03
65.73 ppb	PID		392673	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-145272	1.15E+03
708.42 ppb	PID		-1732991	-2.45E+03

NWTPH-Dx
Initial Calibrations

GC - 1										
Seq. Date	1/19/22				ICDSL.XLS					
Sample ID	5 Dx 65	10 Dx	50 Dx	100 Dx	500 Dx	1000 Dx	5000 Dx	10000 Dx 65-27		
Conc.	5	10	50	100	500	1000	5000	10000		
Triacostane	0	0	0	0	0	0	3.97E+02	0		
Pentacosane	0	0	368	608	2645	5400	2.91E+04	71286		
Terphenyl	0	441	857	1717	7836	14232	1.56E+05	3.72E+05		
Diesel C10-24	38848	84544	441442	861247	4294601	8321280	4.66E+07	8.86E+07		
D-Ex C10-C36	46380	89929	457222	879606	4338885	8427407	4.72E+07	9.00E+07		
Motor Oil	7532	28420	15780	18359	44284	106127	6.70E+05	1.31E+06		
Heavy Oil	27208	72312	234567	447498	2175810	4245668	2.44E+07	46822845		
Jet A	38849	89346	441442	861247	4294601	8321280	4.66E+07	8.86E+07		
Stoddard	35270	64615	253178	480660	2361617	4559990	2.49E+07	4.69E+07		
Kerosene	54947	108507	471965	909799	4493143	8699531	4.86E+07	92438224		
Bunker C	38990	92206	441074	865719	4335099	8415715	4.72E+07	89833076		
R.F.									Average	$RSD
Triacostane	0	0	0	0	0	0	0	0	9.93E-03	283%
Pentacosane	0	0	7	6	5	5	6	7	4.63E+00	64%
Terphenyl	0	44	17	17	16	14	31	37	2.21E+01	65%
Diesel C10-24	7770	8454	8829	8612	8589	8321	9310	8865	8.59E+03	5%
D-Ex C10-C36	9276	8993	9144	8796	8678	8427	9444	8996	8.97E+03	4%
Motor Oil	1506	2842	316	184	89	106	134	131	6.63E+02	151%
Heavy Oil	5442	7231	4691	4475	4352	4246	4875	4682	5.00E+03	19%
Jet A	7770	8935	8829	8612	8589	8321	9310	8865	8.65E+03	5%
Stoddard	7054	6462	5064	4807	4723	4560	4979	4693	5.29E+03	18%
Kerosene	10989	10851	9439	9098	8986	8700	9720	9244	9.63E+03	9%
Bunker C	7798	9221	8821	8657	8670	8416	9432	8983	8.75E+03	6%
Analyte	5	10	50	100	500	1000	5000	10000		
Triacostane	0	0	0	0	0	0	40000	0		
Pentacosane	0	0	79	131	571	1165	6274	15383		
Terphenyl	0	20	39	78	355	644	7075	16823		
Diesel C10-24	10	2	-3	0	0	3	-8	-3		
D-Ex C10-C36	-3	0	-2	2	3	6	-5	0		
Motor Oil	-127	-328	52	72	87	84	80	80		
Heavy Oil	-9	-45	6	10	13	15	2	6		
Jet A	10	-3	-2	0	1	4	-8	-2		
Stoddard	-33	-22	4	9	11	14	6	11		
Kerosene	-14	-13	2	6	7	10	-1	4		
Bunker C	11	-5	-1	1	1	4	-8	-3		

Calculated by: JC01.19.22			Reviewed by			Initials	Date/Time 1/20/22			
	Initials	Date/Time								
Update circled values			Excel TPHD sheet Updated							
	Initials	Date/Time								

2nd SOURCE OK



1-19

Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 03:17 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 03:17 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

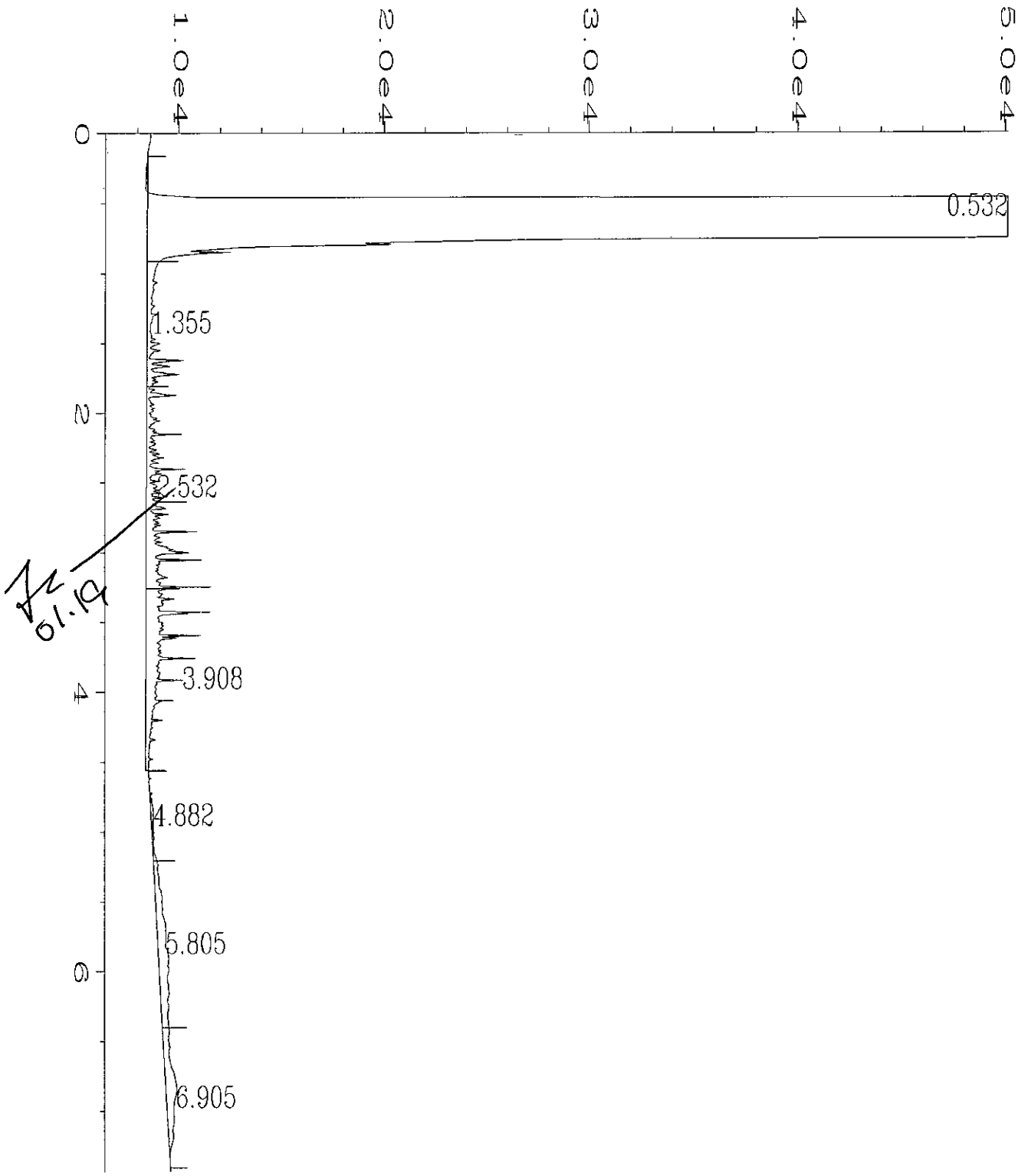
Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\007F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.243	84544	3216	MM	0.438	94.0119
2	5.980	5385	116	MM	0.771	5.9881

Total area = 89929

User Modified

jc 01-19



Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 12:54 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 12:54 PM

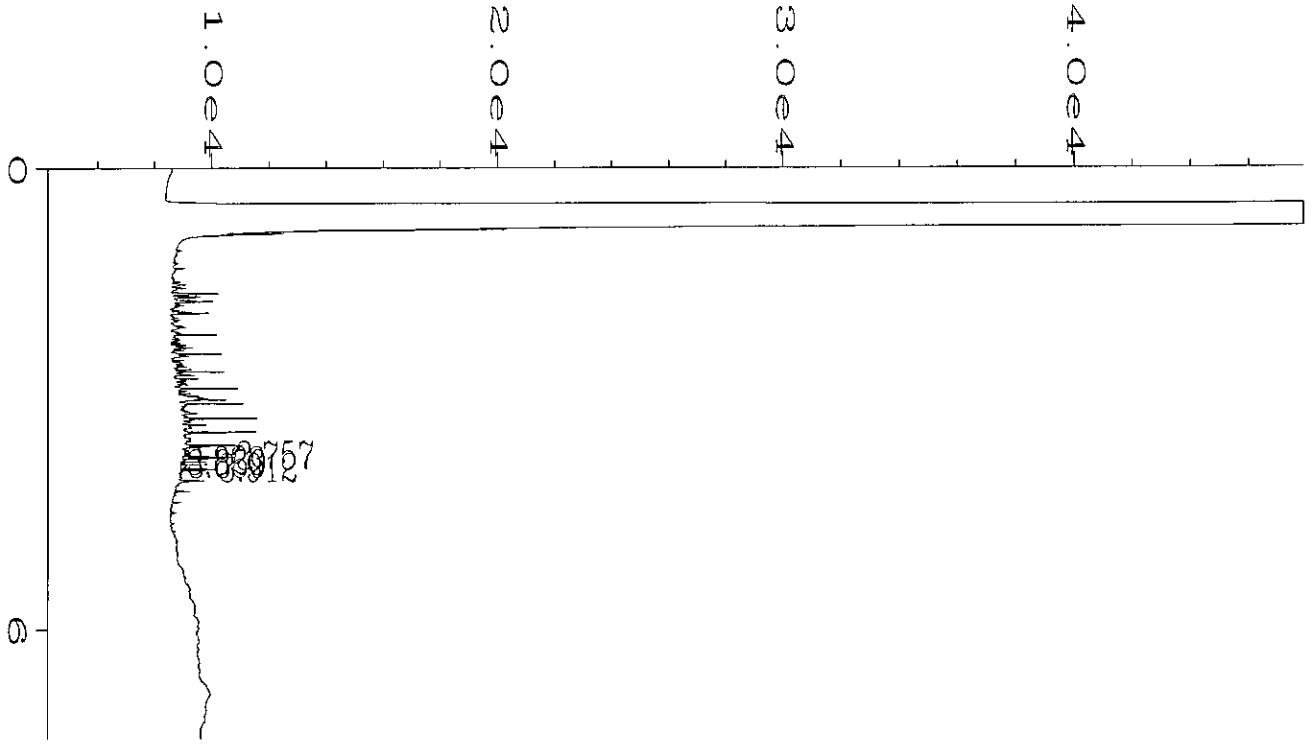
Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\007F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.17492E+009	9.89044E+007	PVA	0.198	99.9868
2	1.355	19161	1533	VVA	0.208	0.0016
3	2.532	45454	2610	VV +	0.000	0.0039
4	3.908	44333	2613	VB +	0.000	0.0038
5	4.882	2860	290	BV +	0.000	0.0002
6	5.805	25562	559	VV +	0.000	0.0022
7	6.905	17564	521	VB +	0.000	0.0015

Total area = 1.17508E+009

1-19



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\007R0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 12:54 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\007R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.757	1033	1923	PV	0.012	44.3273
2	3.823	147	157	PV	0.016	6.3173
3	3.859	441	203	VV	0.030	18.9059
4	3.912	710	1450	VV	0.012	30.4495

Total area = 2331

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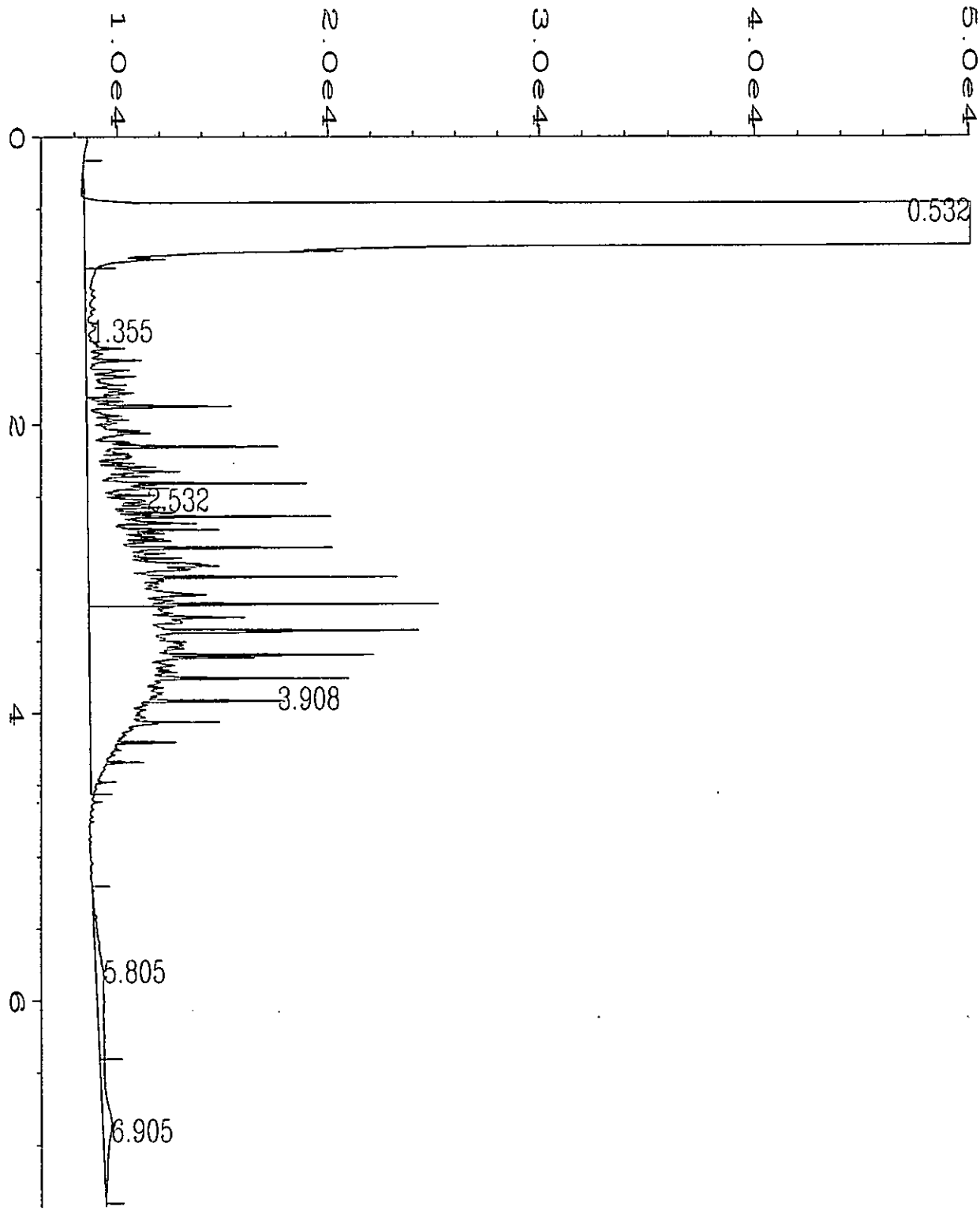
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 7			
Sample Name : 10 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	12:40		Instrume	DX.MTH		
Report Created on: 19 Jan 22 12:54 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
0	>4.6	<4.7	0	8.13E+03		12/2/21	
o-Terphenyl							
0	>3.8	<3.9	441	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25			845544				
11 12	>1.80	<4.55	8.93E+04	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36			89929				
11 15	>1.80	<6.40	117766	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
5	>4.55	<6.40	28420	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	72312	7.42E+03		12/30/21	
C12-C24							
14	>1.80	<4.50	89346	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
8	>0.90	<3.08	64615	8.53E+03		4/18/17	
Kerosene C8-C20							
11	>0.90	<4.50	108507	1.01E+04		1/9/19	
Transformer Oil							
11	>2.2	<5.20	92206	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	8						
TPHD (8-36)	9						
TPHDX (8-36)	9						
Motor Oil (8-36	12						

1/19



Data File Name : C:\HPCHEM\1\DATA\01-19-22\008F0601.D
Operator : TL
Instrument : GC1
Sample Name : 50 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:54 PM
Report Created on: 19 Jan 22 01:08 PM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

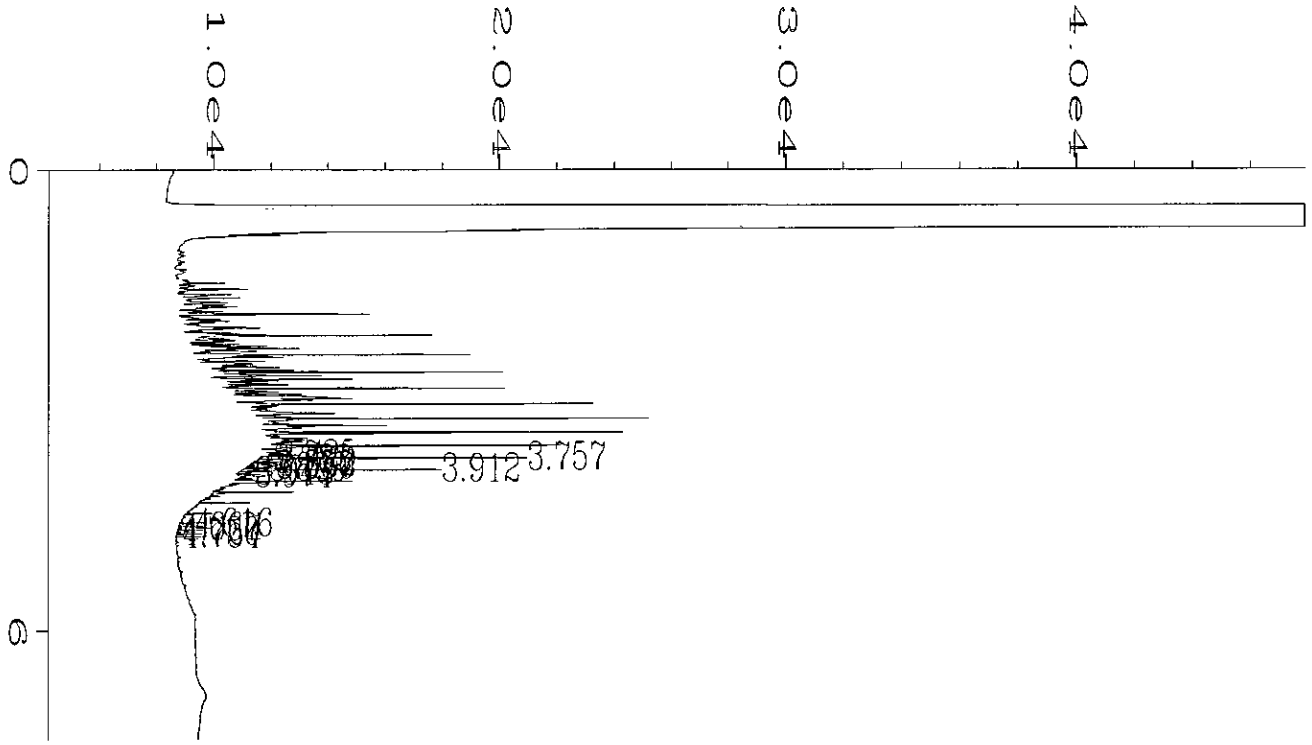
Data File Name : C:\HPCHEM\1\DATA\01-19-22\008F0601.D
Operator : TL
Instrument : GC1
Sample Name : 50 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:54 PM
Report Created on: 19 Jan 22 01:08 PM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\008F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.17974E+009	1.00754E+008	PVA	0.195	99.9575
2	1.355	30523	2389	VVA	0.213	0.0026
3	2.532	222655	12922	VV +	0.000	0.0189
4	3.908	219644	12983	VVA	0.282	0.0186
5	5.805	16149	401	PV +	0.000	0.0014
6	6.905	13087	434	VB +	0.000	0.0011

Total area = 1.18024E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\008R0601.D
Operator : TL
Instrument : GC1
Sample Name : 50 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:54 PM
Report Created on: 19 Jan 22 01:08 PM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\008R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.725	132	339	VV	0.006	0.8717
2	3.757	5248	9746	PV	0.012	34.7313
3	3.783	740	560	VV	0.022	4.8963
4	3.822	844	875	PV	0.016	5.5848
5	3.857	820	978	VV	0.014	5.4298
6	3.870	857	1033	VV	0.014	5.6736
7	3.889	634	862	VV	0.012	4.1971
8	3.912	3997	7617	VV	0.009	26.4514
9	3.943	645	599	VV	0.016	4.2662
10	3.974	478	608	PV	0.012	3.1661
11	4.616	368	534	PV	0.011	2.4361
12	4.667	101	146	PV	0.011	0.6705
13	4.720	105	158	PV	0.011	0.6945
14	4.754	141	215	PV	0.010	0.9304

Total area = 15109

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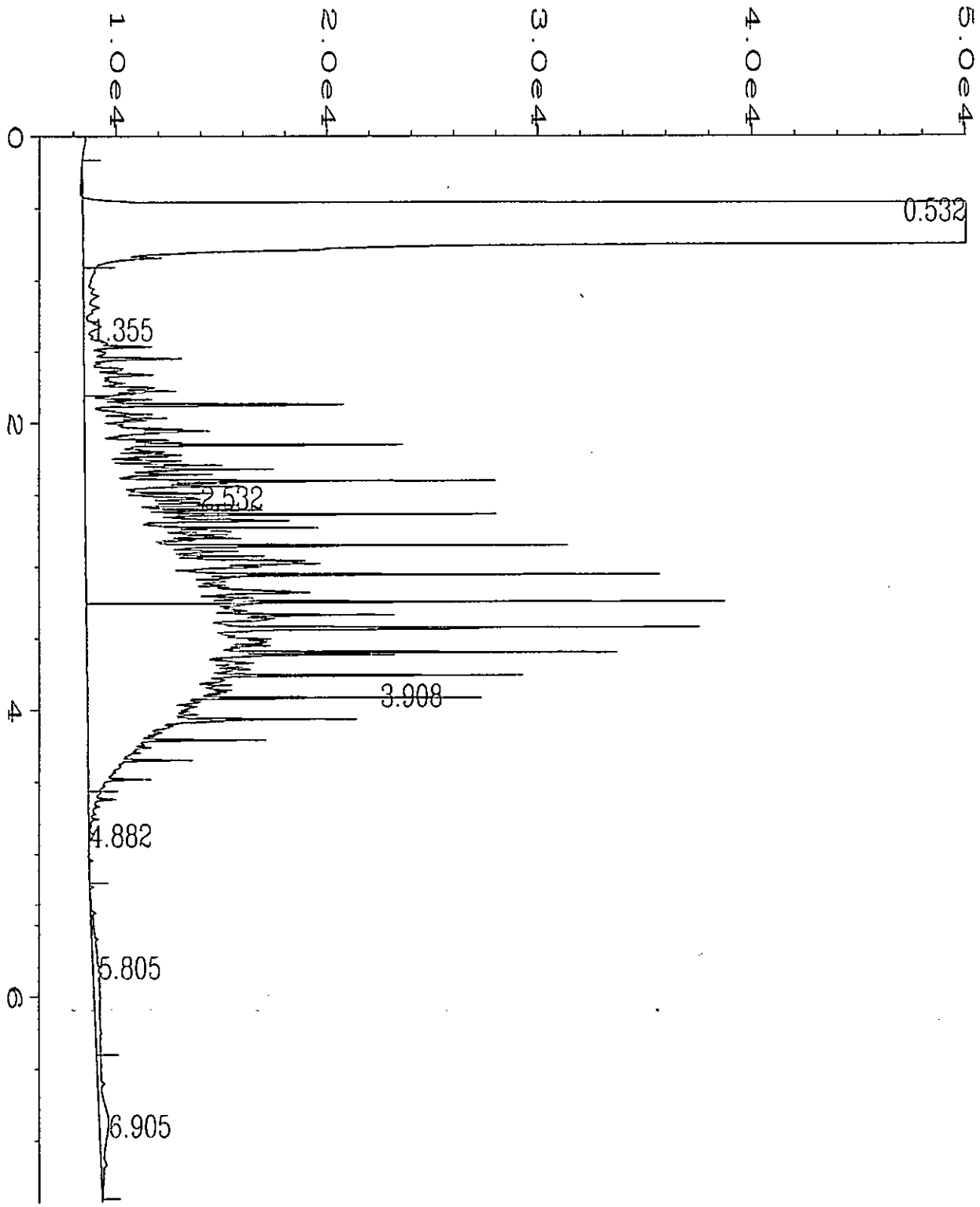
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\008F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 8			
Sample Name : 50 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	12:54		Instrume	DX.MTH		
Report Created on: 19 Jan 22 01:08 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
0	>4.6	<4.7	368	8.13E+03		12/2/21	
o-Terphenyl							
1	>3.8	<3.9	857	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
57	>1.80	<4.55	4.41E+05	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
57	>1.80	<6.40	457222	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
3	>4.55	<6.40	15780	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	234567	7.42E+03		12/30/21	
C12-C24							
69	>1.80	<4.50	441442	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
30	>0.90	<3.08	253178	8.53E+03		4/18/17	
Kerosene C8-C20							
47	>0.90	<4.50	471965	1.01E+04		1/9/19	
Transformer Oil							
50	>2.2	<5.20	441074	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	30						
TPHD (8-36)	30						
TPHDX (8-36)	29						
Motor Oil (8-36	40						



Data File Name	: C:\HPCHEM\1\DATA\01-19-22\009F0601.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 9
Sample Name	: 100 Dx 65-27	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 19 Jan 22 01:08 PM	Instrument Method	: DX.MTH
Report Created on	: 19 Jan 22 01:22 PM	Analysis Method	: DX.MTH

Area Percent Report

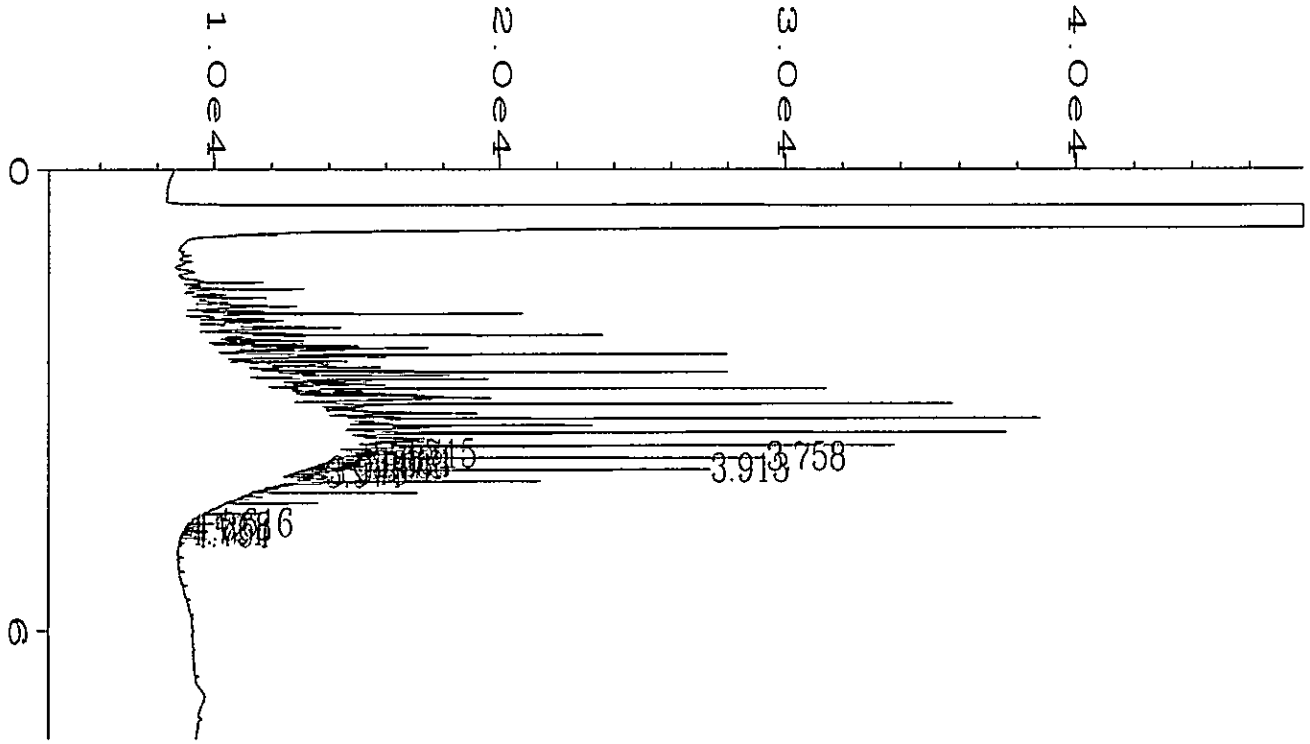
Data File Name : C:\HPCHEM\1\DATA\01-19-22\009F0601.D
Operator : TL
Instrument : GC1
Sample Name : 100 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:08 PM
Report Created on: 19 Jan 22 01:22 PM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\009F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.13866E+009	9.72446E+007	PVA	0.195	99.9172
2	1.355	48552	4290	VVA	0.189	0.0043
3	2.532	432108	23992	VV +	0.000	0.0379
4	3.908	430856	23721	VVA	0.303	0.0378
5	4.882	5080	1138	VV +	0.000	0.0004
6	5.805	13888	382	PV +	0.000	0.0012
7	6.905	13610	443	VB +	0.000	0.0012

Total area = 1.1396E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\009R0601.D
Operator : TL
Instrument : GC1
Sample Name : 100 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:08 PM
Report Created on: 19 Jan 22 01:22 PM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\009R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.715	325	1127	BV	0.007	1.1223
2	3.758	9620	16309	PV	0.010	33.1962
3	3.784	1447	1034	VV	0.023	4.9927
4	3.824	1549	1765	PV	0.015	5.3458
5	3.858	1504	2000	VV	0.012	5.1885
6	3.872	1717	1831	VV	0.014	5.9238
7	3.891	1013	1684	VV	0.010	3.4967
8	3.913	7694	14777	VV	0.009	26.5492
9	3.943	1390	1155	VV	0.018	4.7967
10	3.974	1548	1291	VBA	0.018	5.3402
11	4.616	608	976	PV	0.010	2.0995
12	4.668	211	308	PV	0.011	0.7290
13	4.721	118	199	VV	0.010	0.4058
14	4.754	236	410	PV	0.010	0.8137

Total area = 28981

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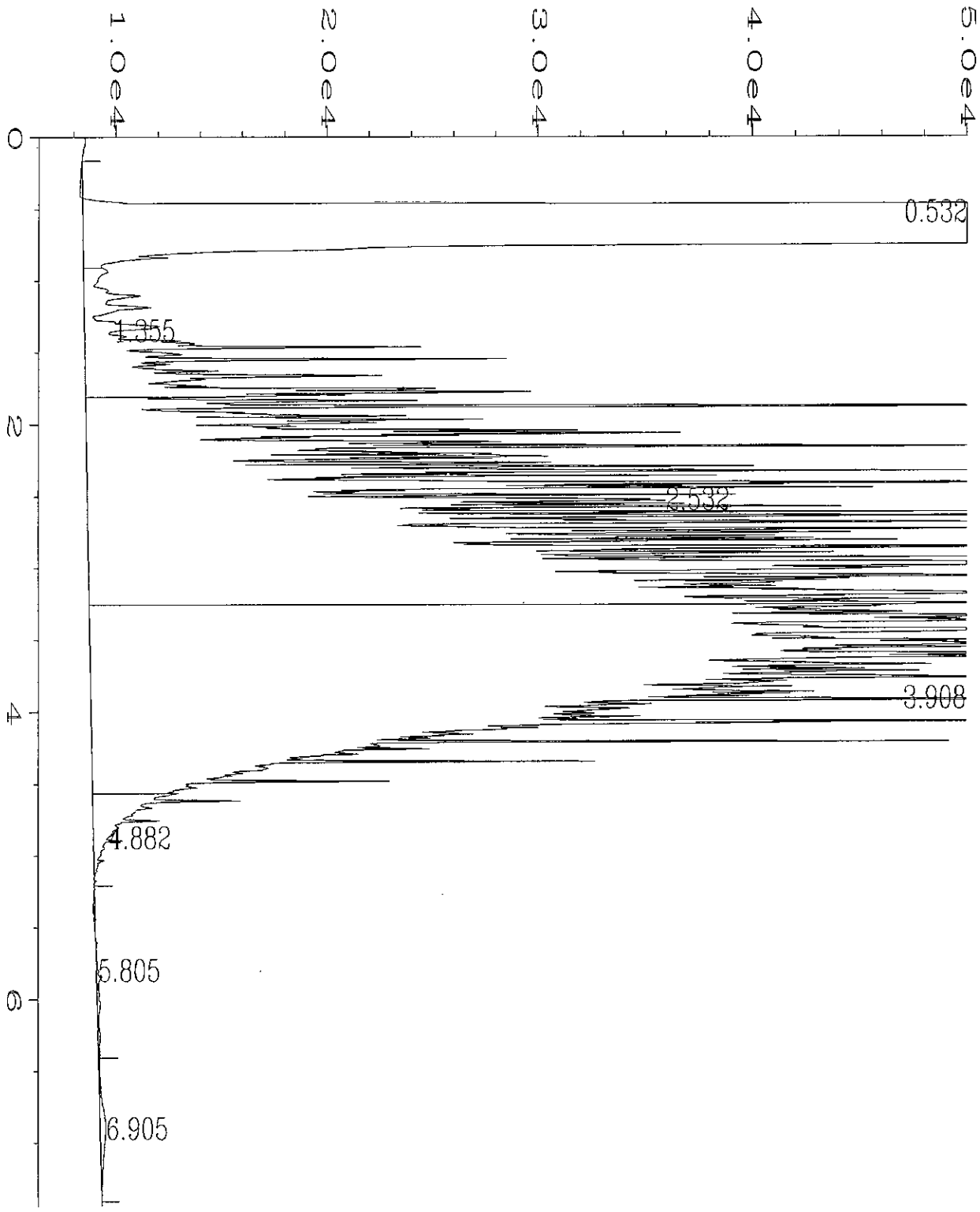
Last modified 12/30/21 TL			TPHDSL.XLS			
Data File Name : C:\HPCHEM\1\DATA\01-19-22\009F0601.D						
Operator : TL				Page Number : 1		
Instrument : GC1				Vial Number : 9		
Sample Name : 100 Dx 65-27				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 6		
Acquired on	1/19/22	13:08		Instrume	DX.MTH	
Report Created on: 19 Jan 22 01:22 PM				Analysis Method : DX.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
0	>5.3	<5.4	0	8.51E+03		12/2/21
Pentacosane						
1	>4.6	<4.7	608	8.13E+03		12/2/21
o-Terphenyl						
2	>3.8	<3.9	1717	9.12E+03		12/2/21
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
111	>1.80	<4.55	8.61E+05	7.75E+03		11/19/21
NWTPH-DX, start C10 - end C36						
110	>1.80	<6.40	879606	8.03E+03		11/19/21
Motor Oil, start C25 - end C36						
3	>4.55	<6.40	18359	5.83E+03		12/30/21
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	447498	7.42E+03		12/30/21
C12-C24						
135	>1.80	<4.50	861247	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
56	>0.90	<3.08	480660	8.53E+03		4/18/17
Kerosene C8-C20						
90	>0.90	<4.50	909799	1.01E+04		1/9/19
Transformer Oil						
99	>2.2	<5.20	865719	8.76E+03		3/24/21
Calibration Info:						
Stoddard (8-11)	56					
TPHD (8-36)	58					
TPHDX (8-36)	56					
Motor Oil (8-36	77					



Data File Name	: C:\HPCHEM\1\DATA\01-19-22\010F0601.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 10
Sample Name	: 500 Dx 65-27	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 19 Jan 22 01:22 PM	Instrument Method	: DX.MTH
Report Created on	: 19 Jan 22 01:36 PM	Analysis Method	: DX.MTH

Area Percent Report

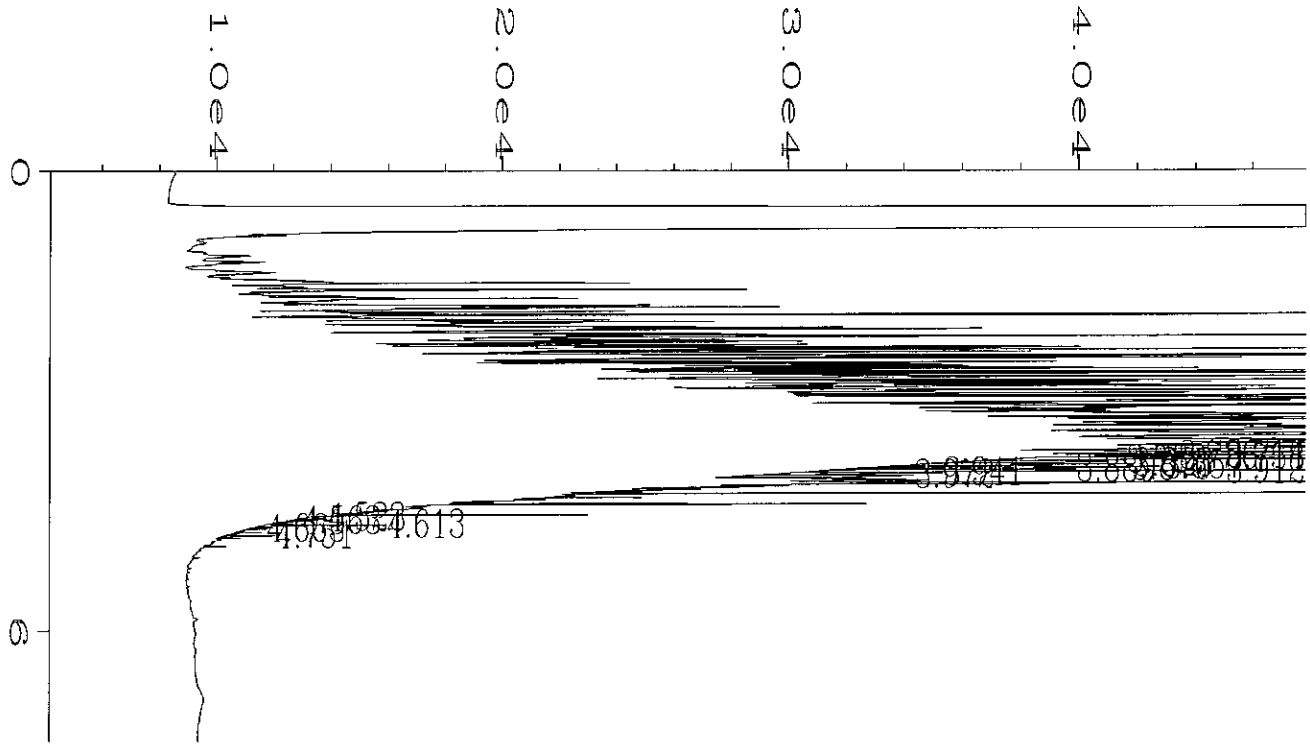
Data File Name : C:\HPCHEM\1\DATA\01-19-22\010F0601.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:22 PM
Report Created on: 19 Jan 22 01:36 PM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\010F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.08742E+009	9.61132E+007	PVA	0.189	99.5829
2	1.355	198542	19900	VVA	0.166	0.0182
3	2.532	2163075	114195	VV +	0.000	0.1981
4	3.908	2139362	105968	VVA	0.336	0.1959
5	4.882	43143	5976	VVA	0.120	0.0040
6	5.805	3787	267	PV +	0.000	0.0003
7	6.905	7107	278	VB +	0.000	0.0007

Total area = 1.09198E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\010R0601.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:22 PM
Report Created on: 19 Jan 22 01:36 PM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\010R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.714	247	5834	BV	0.001	0.1778
2	3.726	1017	3408	VV	0.005	0.7307
3	3.758	44947	79675	PV	0.009	32.3073
4	3.783	7284	5435	VV	0.022	5.2356
5	3.823	7836	7454	PV	0.016	5.6323
6	3.857	7751	9998	VV	0.013	5.5715
7	3.870	7571	9341	VV	0.014	5.4419
8	3.889	5131	8301	VV	0.010	3.6883
9	3.912	36498	66920	VV	0.012	26.2339
10	3.941	6256	5636	VV	0.016	4.4970
11	3.972	8318	5873	VBA	0.020	5.9791
12	4.523	907	916	BV	0.014	0.6521
13	4.563	662	690	PV	0.016	0.4759
14	4.613	2645	4489	PV	0.011	1.9013
15	4.663	818	736	PV	0.021	0.5882
16	4.751	1234	1896	PV	0.011	0.8870

Total area = 139124

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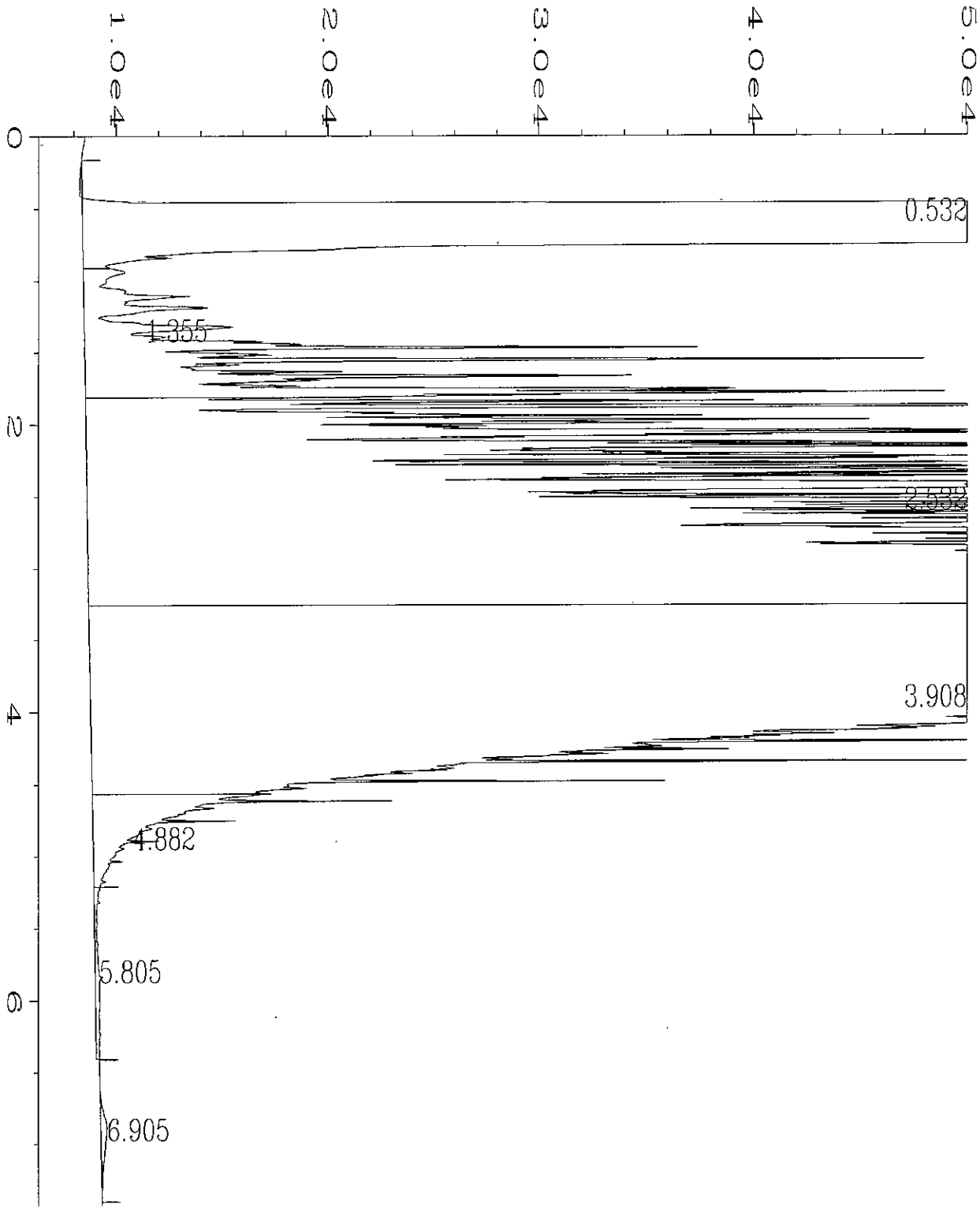
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\010F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 10			
Sample Name : 500 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	13:22		Instrume	DX.MTH		
Report Created on: 19 Jan 22 01:36 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
3	>4.6	<4.7	2645	8.13E+03		12/2/21	
o-Terphenyl							
9	>3.8	<3.9	7836	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
554	>1.80	<4.55	4.29E+06	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
540	>1.80	<6.40	4338885	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
8	>4.55	<6.40	44284	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2175810	7.42E+03		12/30/21	
C12-C24							
674	>1.80	<4.50	4294601	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
277	>0.90	<3.08	2361617	8.53E+03		4/18/17	
Kerosene C8-C20							
446	>0.90	<4.50	4493143	1.01E+04		1/9/19	
Transformer Oil							
495	>2.2	<5.20	4335099	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	277						
TPHD (8-36)	281						
TPHDX (8-36)	271						
Motor Oil (8-36	373						



Data File Name	: C:\HPCHEM\1\DATA\01-19-22\011F0601.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 11
Sample Name	: 1000 Dx 65-27	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 19 Jan 22 01:37 PM	Instrument Method	: DX.MTH
Report Created on	: 19 Jan 22 01:50 PM	Analysis Method	: DX.MTH

Area Percent Report

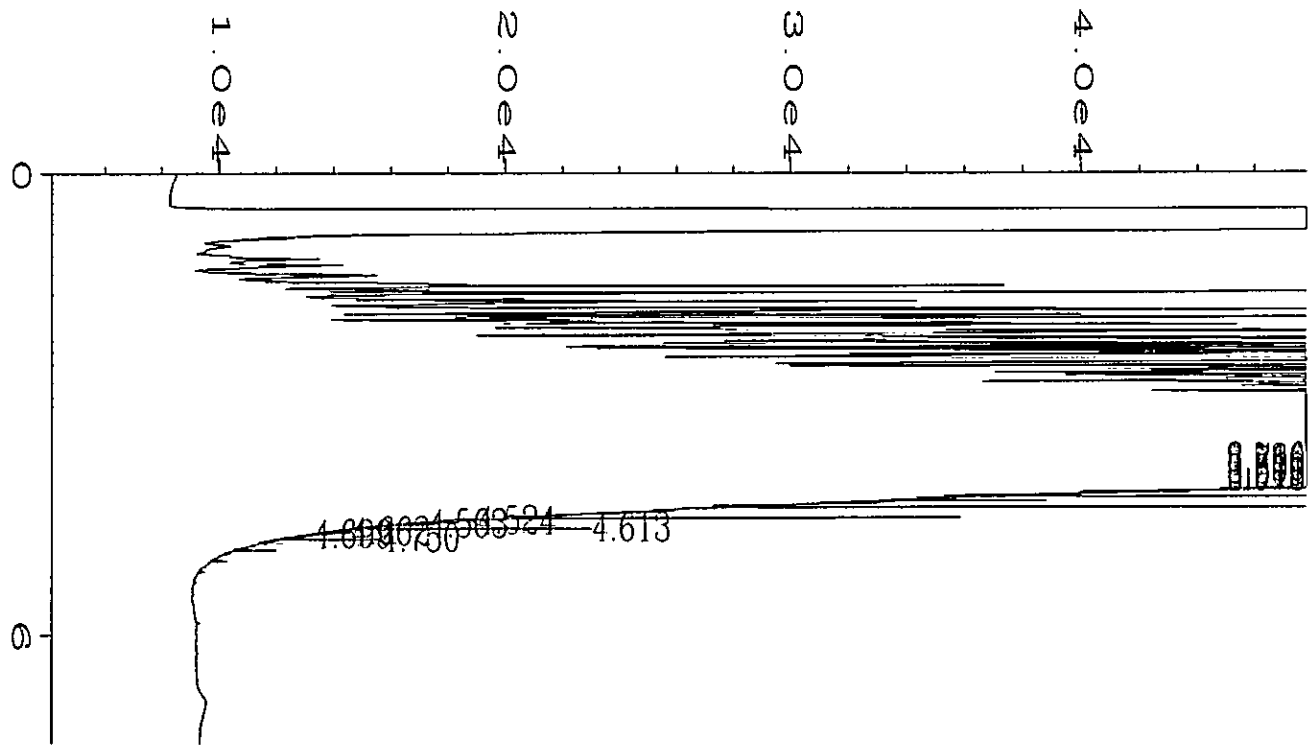
Data File Name : C:\HPCHEM\1\DATA\01-19-22\011F0601.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:37 PM
Report Created on: 19 Jan 22 01:50 PM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\011F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.10702E+009	9.57523E+007	PVA	0.193	99.2086
2	1.355	378251	39129	VVA	0.161	0.0339
3	2.532	4181739	242629	VV +	0.000	0.3748
4	3.908	4153773	237261	VVA	0.292	0.3723
5	4.882	99835	12153	VVA	0.137	0.0089
6	5.805	11693	327	VB +	0.000	0.0010
7	6.905	5606	293	BB +	0.000	0.0005

Total area = 1.11585E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\011R0601.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:37 PM
Report Created on: 19 Jan 22 01:50 PM

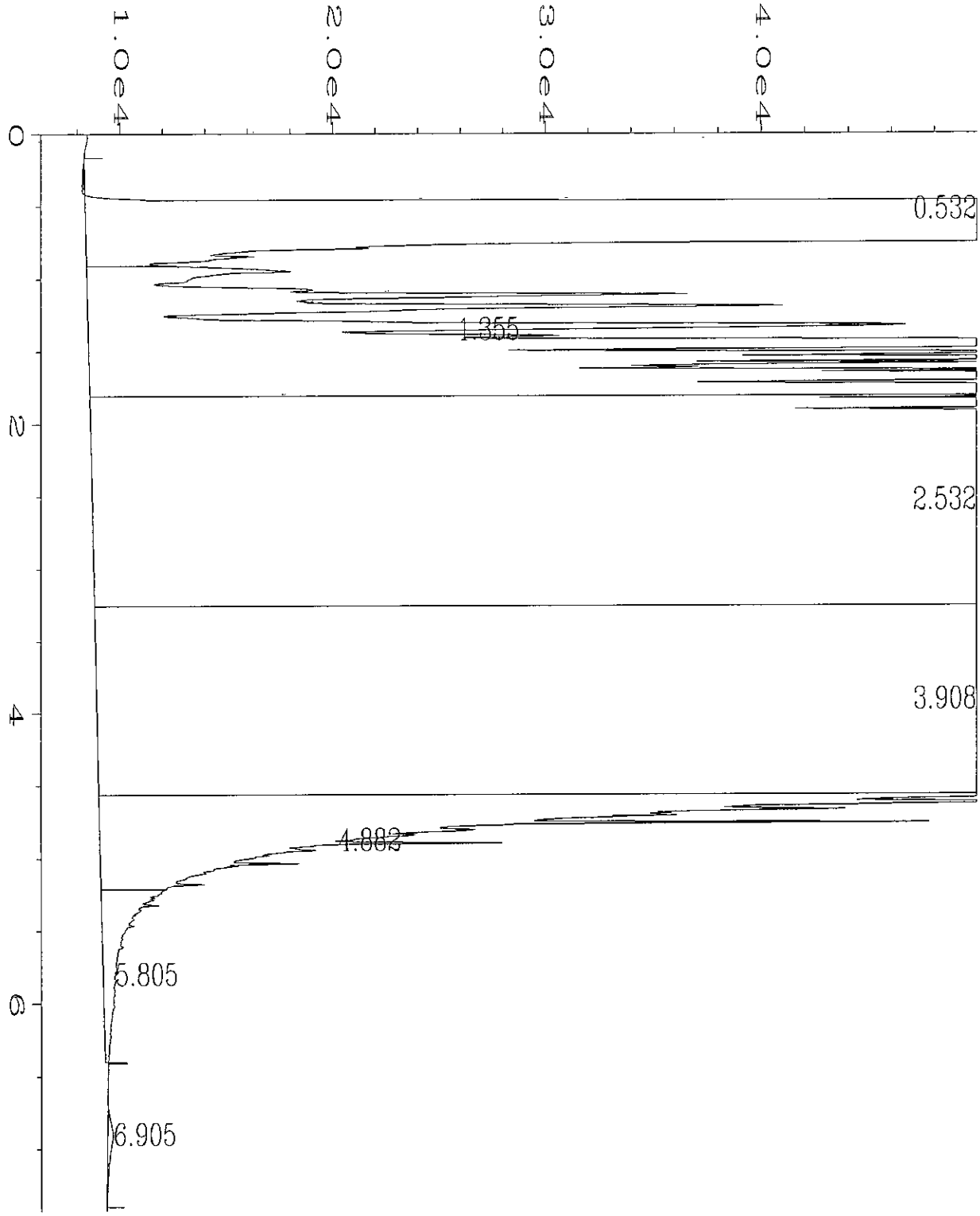
Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\011R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.716	2016	10387	BV	0.005	0.8216
2	3.730	2118	5132	PV	0.007	0.8631
3	3.760	86199	166374	PV	0.010	35.1317
4	3.785	13914	9796	VV	0.024	5.6707
5	3.825	13519	14863	PV	0.015	5.5097
6	3.859	14232	17116	VV	0.014	5.8006
7	3.872	12582	16491	VV	0.013	5.1281
8	3.891	8826	12179	VV	0.012	3.5970
9	3.915	64719	123112	VV	0.009	26.3772
10	3.943	7866	10373	PV	0.015	3.2058
11	3.973	6542	8405	PV	0.013	2.6662
12	4.524	1868	1806	BV	0.017	0.7613
13	4.563	1662	1433	VV	0.016	0.6772
14	4.613	5400	8881	PV	0.012	2.2008
15	4.662	1085	1197	PV	0.014	0.4422
16	4.699	630	488	VV	0.022	0.2570
17	4.750	2184	3830	PV	0.010	0.8899

Total area = 245359

Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\011F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 11			
Sample Name : 1000 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	13:37		Instrume	DX.MTH		
Report Created on: 19 Jan 22 01:50 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
7	>4.6	<4.7	5400	8.13E+03		12/2/21	
o-Terphenyl							
16	>3.8	<3.9	14232	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1074	>1.80	<4.55	8.32E+06	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
1049	>1.80	<6.40	8427407	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
18	>4.55	<6.40	106127	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	4245668	7.42E+03		12/30/21	
C12-C24							
1306	>1.80	<4.50	8321280	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
535	>0.90	<3.08	4559990	8.53E+03		4/18/17	
Kerosene C8-C20							
864	>0.90	<4.50	8699531	1.01E+04		1/9/19	
Transformer Oil							
960	>2.2	<5.20	8415715	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	535						
TPHD (8-36)	548						
TPHDX (8-36)	529						
Motor Oil (8-36	728						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\012F0601.D
Operator : TL
Instrument : GC1
Sample Name : 5000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:51 PM
Report Created on: 19 Jan 22 02:05 PM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

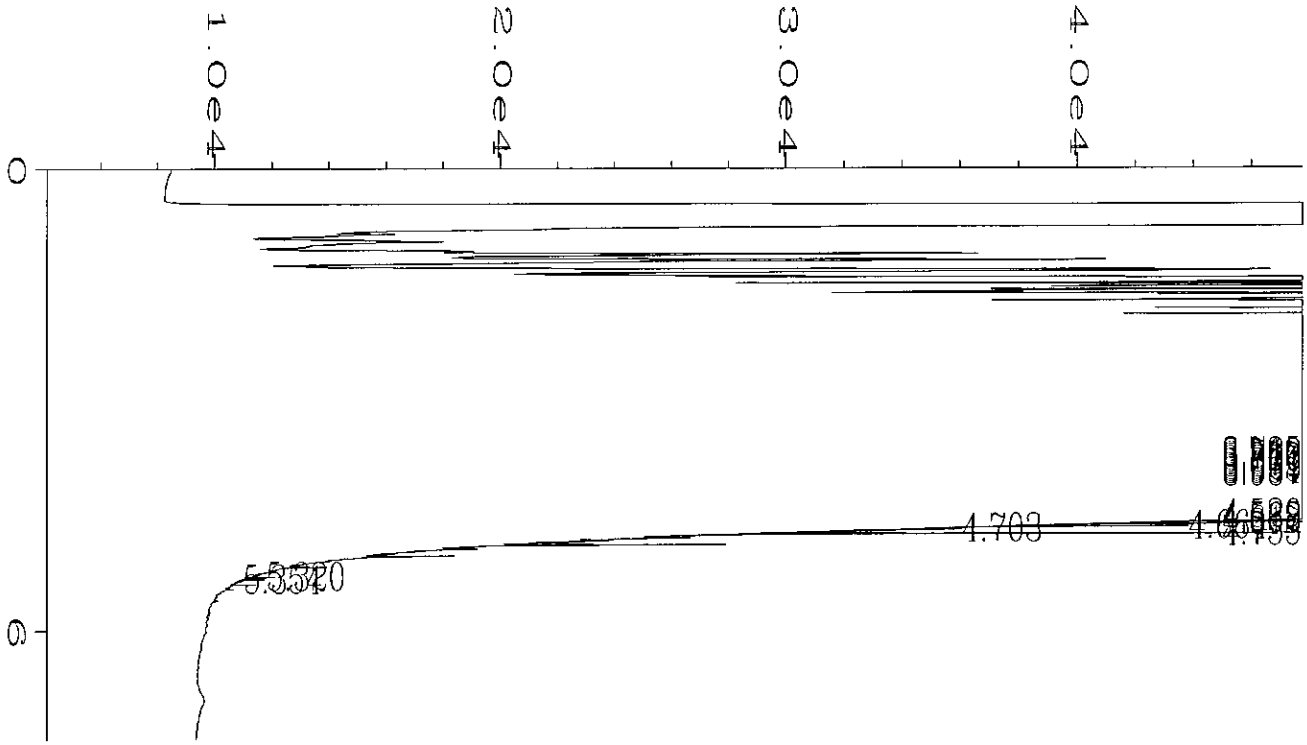
Data File Name : C:\HPCHEM\1\DATA\01-19-22\012F0601.D
Operator : TL
Instrument : GC1
Sample Name : 5000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:51 PM
Report Created on: 19 Jan 22 02:05 PM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\012F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15677E+009	9.89231E+007	PVA	0.195	95.8996
2	1.355	2051256	221358	VVA	0.154	0.1701
3	2.532	2.28426E+007	921453	VV +	0.000	1.8937
4	3.908	2.38637E+007	1084679	VVA	0.367	1.9784
5	4.882	638910	70995	VVA	0.150	0.0530
6	5.805	60104	3014	VB +	0.000	0.0050
7	6.905	4102	251	BBA+	0.000	0.0003

Total area = 1.20623E+009



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Area Percent Report

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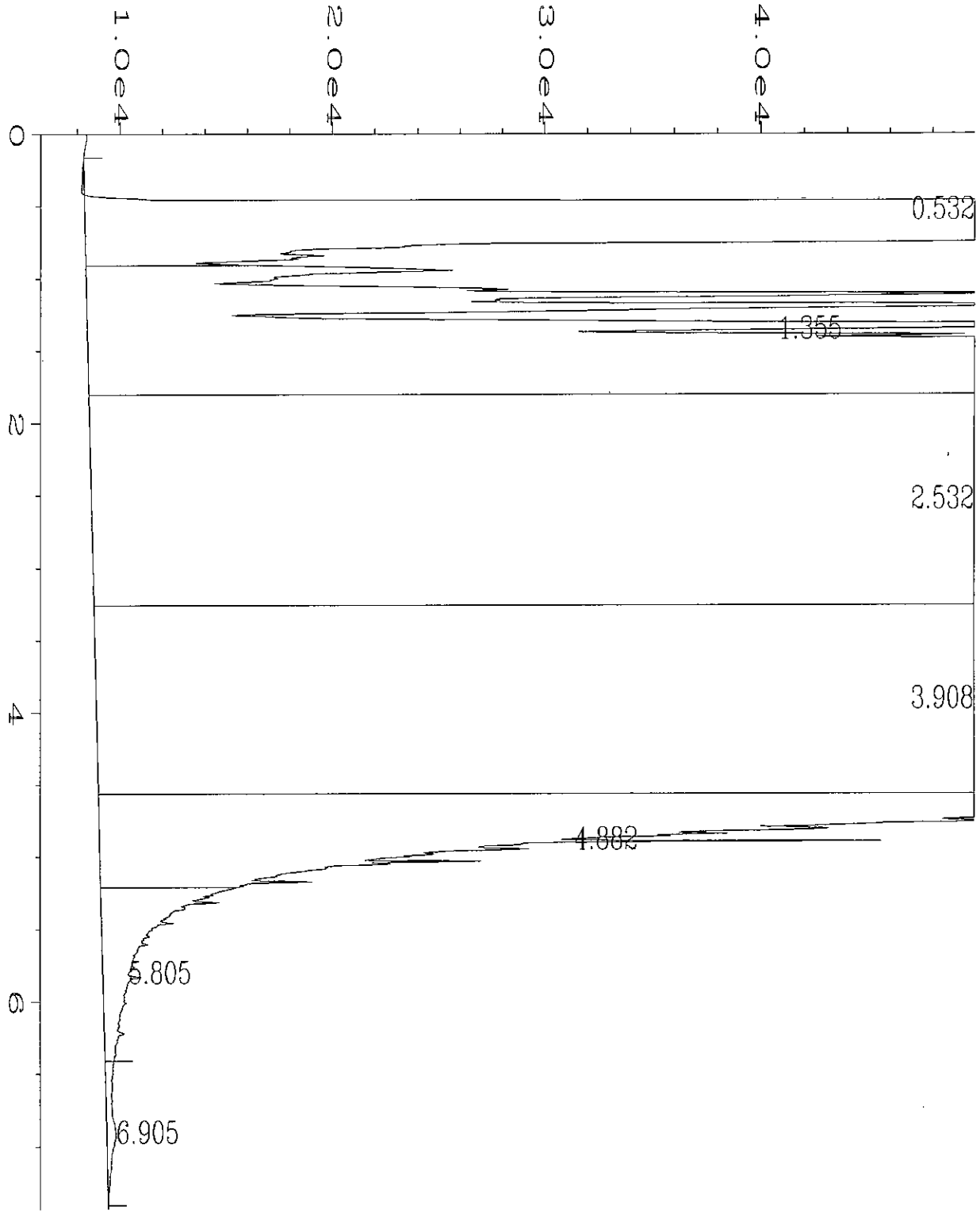
Data File Name : C:\HPCHEM\1\DATA\01-19-22\012R0601.D
Operator : TL
Instrument : GC1
Sample Name : 5000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:51 PM
Report Created on: 19 Jan 22 02:05 PM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\012R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.715	27183	58745	BV	0.008	1.9163
2	3.730	50392	94885	VV	0.010	3.5525
3	3.742	22055	41349	VV	0.009	1.5548
4	3.777	475822	749975	VV	0.010	33.5440
5	3.800	77091	54107	VV	0.024	5.4347
6	3.837	58083	75439	PV	0.012	4.0947
7	3.871	156297	87080	VV	0.025	11.0185
8	3.902	50160	73340	VV	0.011	3.5361
9	3.929	355358	636364	VV	0.009	25.0517
10	3.954	42430	52325	VV	0.014	2.9912
11	3.987	37425	47043	VBA	0.012	2.6384
12	4.529	8624	10424	BV	0.016	0.6080
13	4.568	5417	7485	VV	0.011	0.3819
14	4.582	2608	5066	VV	0.009	0.1839
15	4.617	29074	46554	PV	0.010	2.0496
16	4.664	5183	6980	PV	0.012	0.3654
17	4.703	2910	2836	PV	0.017	0.2051
18	4.755	11890	20648	PV	0.010	0.8382
19	5.320	397	747	BV	0.009	0.0280
20	5.354	102	174	PBA	0.010	0.0072

Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\012F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 12			
Sample Name : 5000 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	13:51		Instrume	DX.MTH		
Report Created on: 19 Jan 22 02:05 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	397	8.51E+03		12/2/21	
Pentacosane							
36	>4.6	<4.7	29074	8.13E+03		12/2/21	
o-Terphenyl							
171	>3.8	<3.9	156297	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
6009	>1.80	<4.55	4.66E+07	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
5879	>1.80	<6.40	47219546	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
115	>4.55	<6.40	669543	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	24376946	7.42E+03		12/30/21	
C12-C24							
7304	>1.80	<4.50	46550003	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
2918	>0.90	<3.08	24893856	8.53E+03		4/18/17	
Kerosene C8-C20							
4828	>0.90	<4.50	48601259	1.01E+04		1/9/19	
Transformer Oil							
5381	>2.2	<5.20	47159839	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	2918						
TPHD (8-36)	3147						
TPHDX (8-36)	3035						
Motor Oil (8-36	4180						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\013F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:05 PM
Report Created on: 19 Jan 22 02:19 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

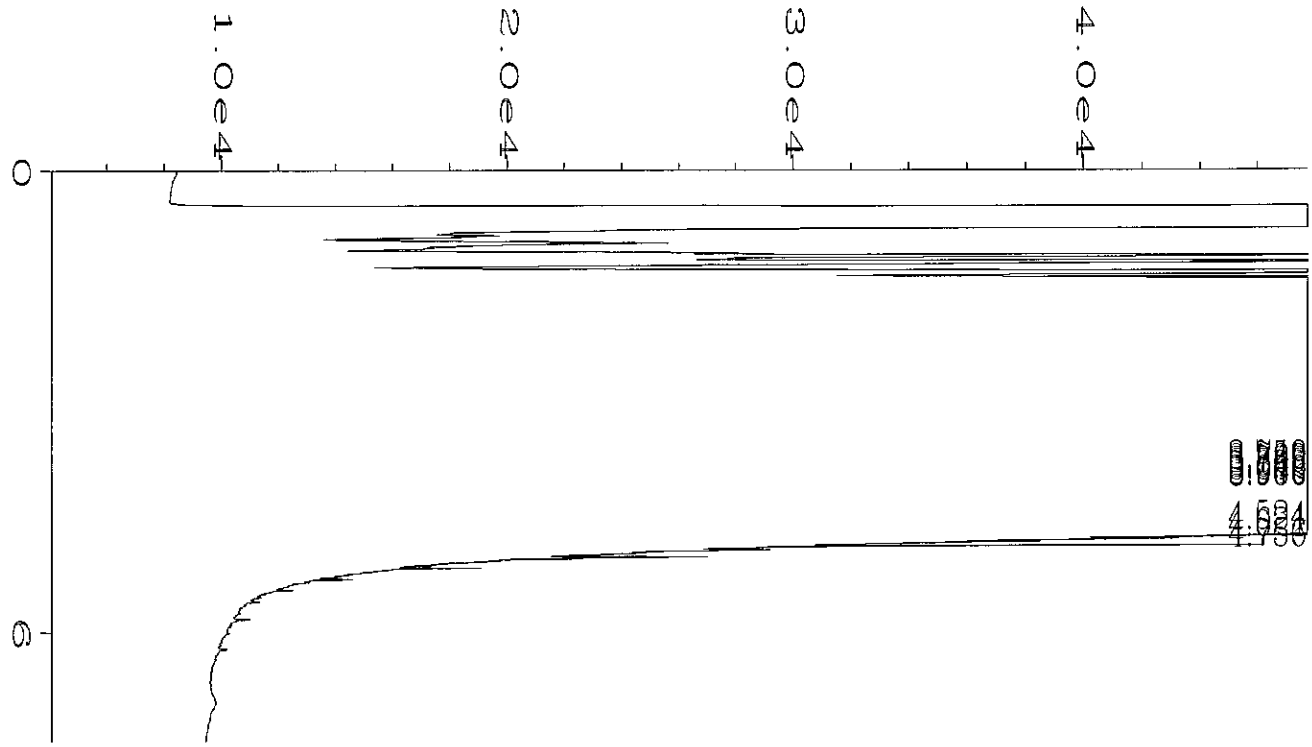
Data File Name : C:\HPCHEM\1\DATA\01-19-22\013F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:05 PM
Report Created on: 19 Jan 22 02:19 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\013F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.11614E+009	9.6302E+007	PVA	0.193	92.2163
2	1.355	3788386	385251	VV +	0.000	0.3130
3	2.532	4.31403E+007	1814558	VV +	0.000	3.5643
4	3.908	4.58812E+007	1955674	VVA	0.391	3.7908
5	4.882	1254524	137557	VVA	0.152	0.1037
6	5.805	130070	6290	VVA	0.345	0.0107
7	6.905	14775	440	VB +	0.000	0.0012

Total area = 1.21035E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\013R0601.D
Operator : TL
Instrument : GC1
Sample Name : 10000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:05 PM
Report Created on: 19 Jan 22 02:19 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\013R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.740	74732	154968	PV	0.008	3.0304
2	3.753	30443	67832	VV	0.007	1.2345
3	3.789	861224	1188246	PV	0.011	34.9235
4	3.822	153067	132498	VV	0.017	6.2070
5	3.848	144433	157876	PV	0.015	5.8569
6	3.882	371662	158215	VV	0.031	15.0713
7	3.940	656816	963024	VV	0.011	26.6346
8	3.966	64405	76261	VV	0.014	2.6117
9	4.534	26171	15937	PV	0.027	1.0613
10	4.621	71286	86549	PV	0.014	2.8907
11	4.756	11791	43787	PBA	0.012	0.4781

Total area = 2466029

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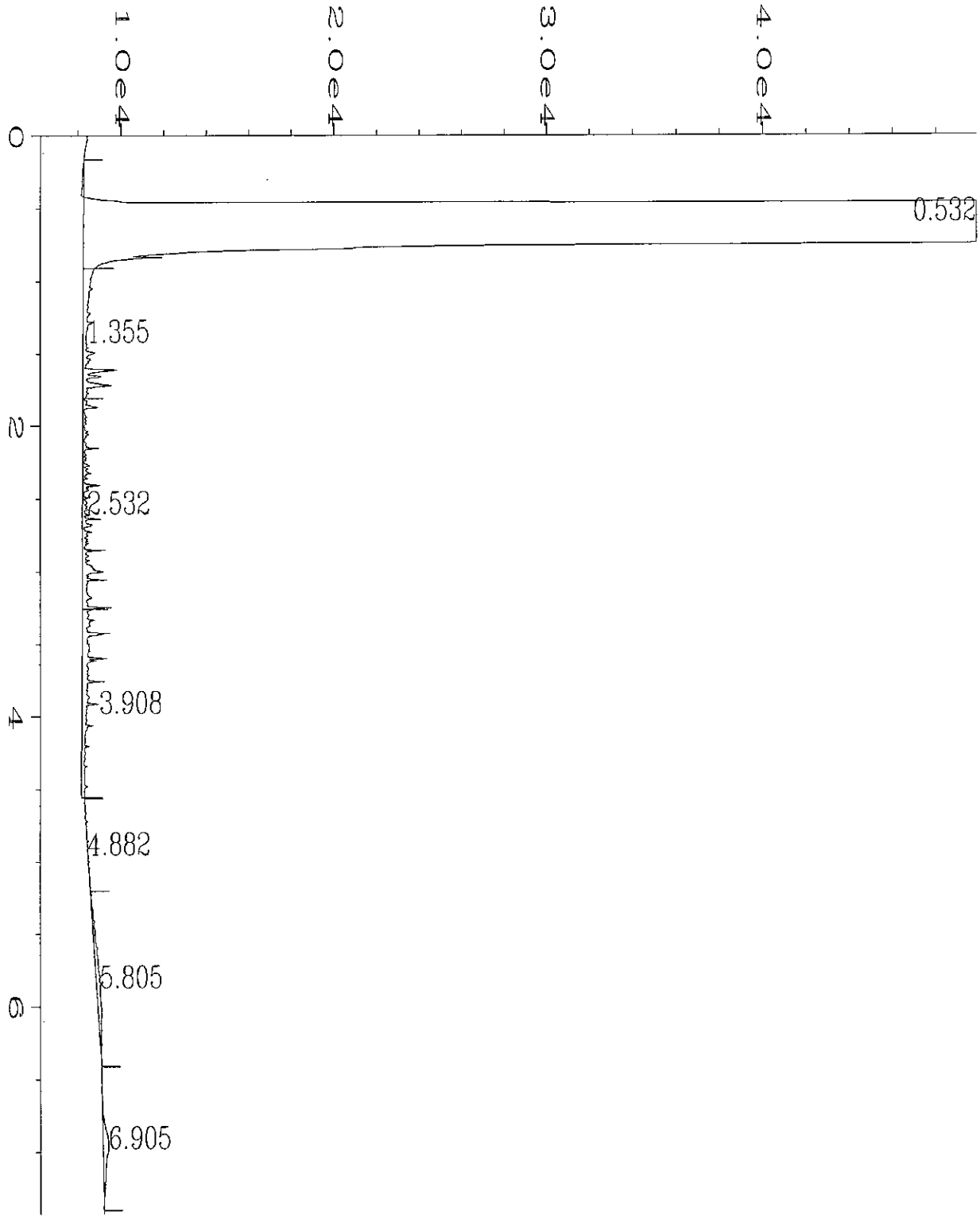
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\013F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 13			
Sample Name : 10000 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	14:05		Instrume	DX.MTH		
Report Created on: 19 Jan 22 02:19 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
88	>4.6	<4.7	71286	8.13E+03		12/2/21	
o-Terphenyl							
407	>3.8	<3.9	371662	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
11444	>1.80	<4.55	8.86E+07	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
11201	>1.80	<6.40	89963145	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
225	>4.55	<6.40	1313307	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	46822845	7.42E+03		12/30/21	
C12-C24							
13911	>1.80	<4.50	88649838	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
5502	>0.90	<3.08	46928686	8.53E+03		4/18/17	
Kerosene C8-C20							
9182	>0.90	<4.50	92438224	1.01E+04		1/9/19	
Transformer Oil							
10249	>2.2	<5.20	89833076	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	5502						
TPHD (8-36)	6044						
TPHDX (8-36)	5830						
Motor Oil (8-36	8029						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\006F0701.D
Operator : TL
Instrument : GC1
Sample Name : 5 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:19 PM
Report Created on: 19 Jan 22 02:33 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

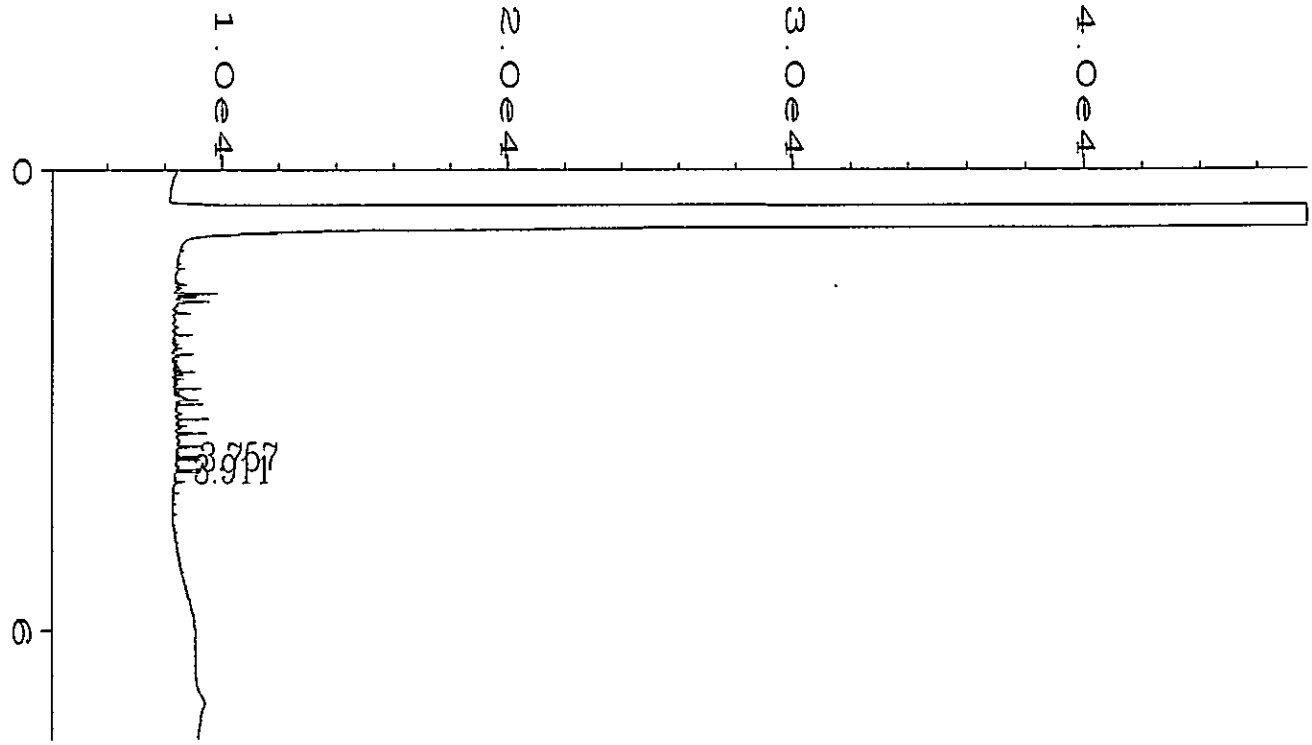
Data File Name : C:\HPCHEM\1\DATA\01-19-22\006F0701.D
Operator : TL
Instrument : GC1
Sample Name : 5 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:19 PM
Report Created on: 19 Jan 22 02:33 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\006F0701.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.08473E+009	9.55035E+007	PVA	0.189	99.9938
2	1.355	16098	1463	VVA	0.183	0.0015
3	2.532	19172	1155	VV +	0.000	0.0018
4	3.908	19677	1192	VB +	0.000	0.0018
5	4.882	141	146	BV +	0.000	0.0000
6	5.805	7393	276	VB +	0.000	0.0007
7	6.905	4616	278	BB +	0.000	0.0004

Total area = 1.08479E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\006R0701.D
Operator : TL
Instrument : GC1
Sample Name : 5 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:19 PM
Report Created on: 19 Jan 22 02:33 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\006R0701.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.757	437	829	PV	0.011	57.9699
2	3.911	317	626	VV	0.008	42.0301

Total area = 755

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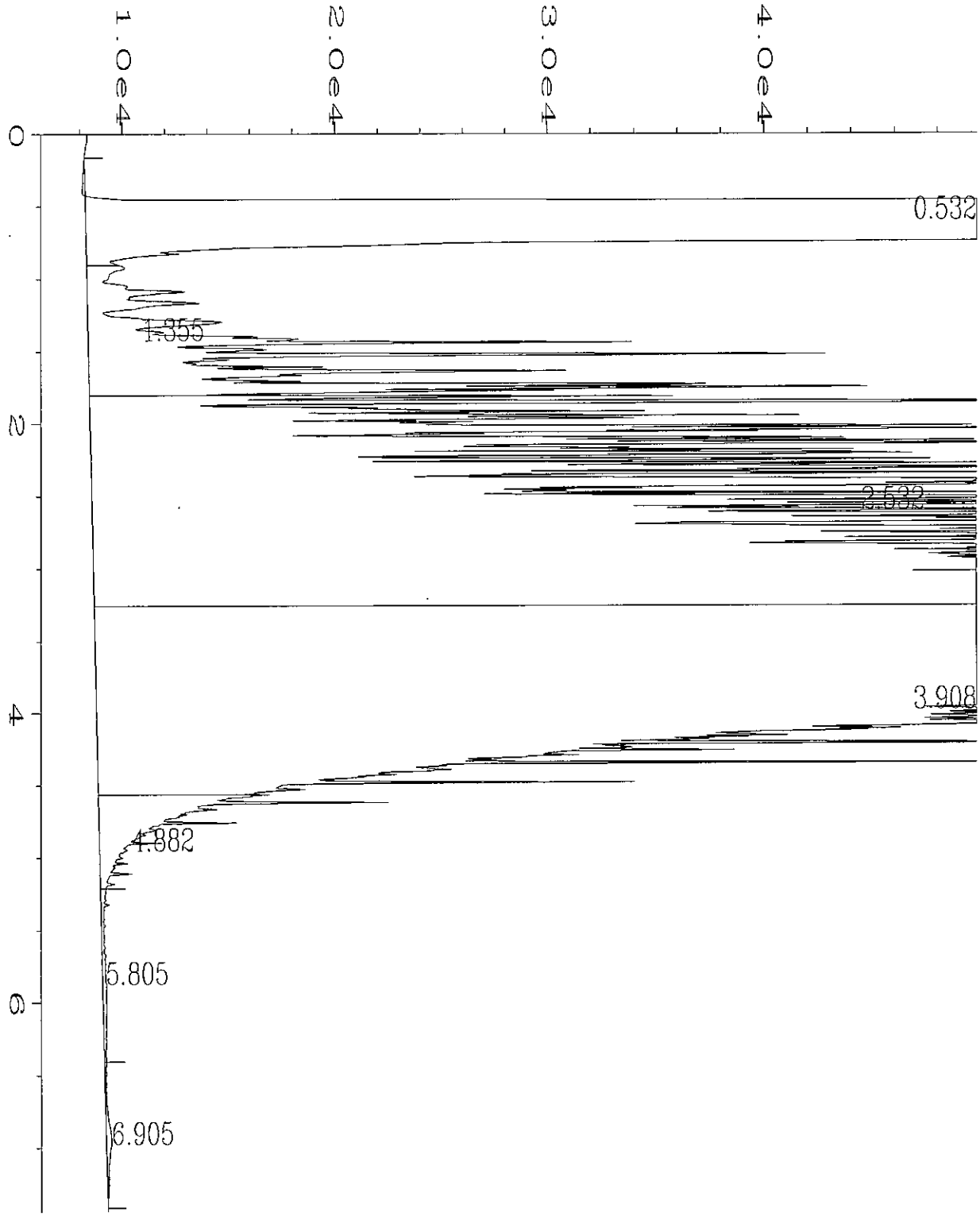
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\006F0701.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 6			
Sample Name : 5 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 7			
Acquired on	1/19/22	14:19		Instrume	DX.MTH		
Report Created on: 19 Jan 22 02:33 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
0	>4.6	<4.7	0	8.13E+03		12/2/21	
o-Terphenyl							
0	>3.8	<3.9	0	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
5	>1.80	<4.55	3.88E+04	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
6	>1.80	<6.40	46380	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
1	>4.55	<6.40	7532	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	27208	7.42E+03		12/30/21	
C12-C24							
6	>1.80	<4.50	38849	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	35270	8.53E+03		4/18/17	
Kerosene C8-C20							
5	>0.90	<4.50	54947	1.01E+04		1/9/19	
Transformer Oil							
4	>2.2	<5.20	38990	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	4						
TPHDX (8-36)	3						
Motor Oil (8-36	5						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\014F0801.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 2'65-122
Run Time Bar Code:
Acquired on : 19 Jan 22 02:33 PM
Report Created on: 19 Jan 22 03:15 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 8
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

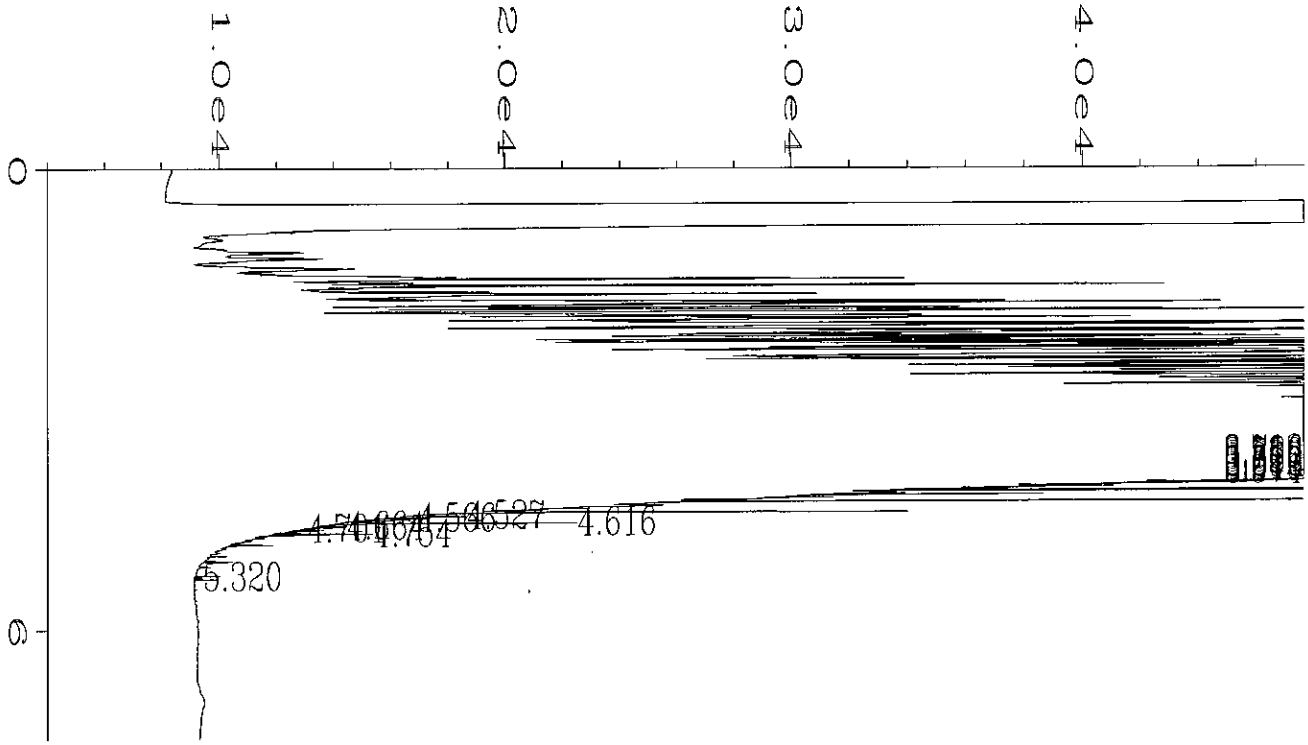
Data File Name : C:\HPCHEM\1\DATA\01-19-22\014F0801.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 2'65-122
Run Time Bar Code:
Acquired on : 19 Jan 22 02:33 PM
Report Created on: 19 Jan 22 03:15 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 8
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\014F0801.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.07803E+009	9.33487E+007	PV +	0.000	99.2432
2	1.355	363524	36049	VV +	0.000	0.0335
3	2.532	3891144	223362	VV +	0.000	0.3582
4	3.908	3854342	211363	VVA	0.304	0.3548
5	4.882	95302	12452	VVA	0.128	0.0088
6	5.805	10084	305	VV +	0.000	0.0009
7	6.905	6009	257	VB +	0.000	0.0006

Total area = 1.08625E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\014R0801.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 2'65-122
Run Time Bar Code:
Acquired on : 19 Jan 22 02:33 PM
Report Created on: 19 Jan 22 03:15 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 8
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\014R0801.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.713	1105	10190	BV	0.002	0.4907
2	3.726	1528	5295	VV	0.005	0.6788
3	3.759	78403	147953	PV	0.011	34.8232
4	3.790	11524	9183	VV	0.021	5.1184
5	3.823	14747	11670	PV	0.017	6.5499
6	3.857	10473	19181	VV	0.009	4.6518
7	3.870	11490	13825	VV	0.014	5.1033
8	3.890	7506	12704	VV	0.010	3.3337
9	3.913	61505	126303	VV	0.011	27.3182
10	3.941	8068	8091	VV	0.017	3.5833
11	3.974	6622	6922	PV	0.015	2.9413
12	4.527	2167	2072	BV	0.015	0.9624
13	4.566	1596	1548	VV	0.016	0.7090
14	4.616	5143	8644	PV	0.013	2.2841
15	4.664	871	1186	VV	0.012	0.3870
16	4.701	290	454	PV	0.011	0.1290
17	4.754	1919	3698	PV	0.009	0.8524
18	5.320	188	293	BV	0.010	0.0835

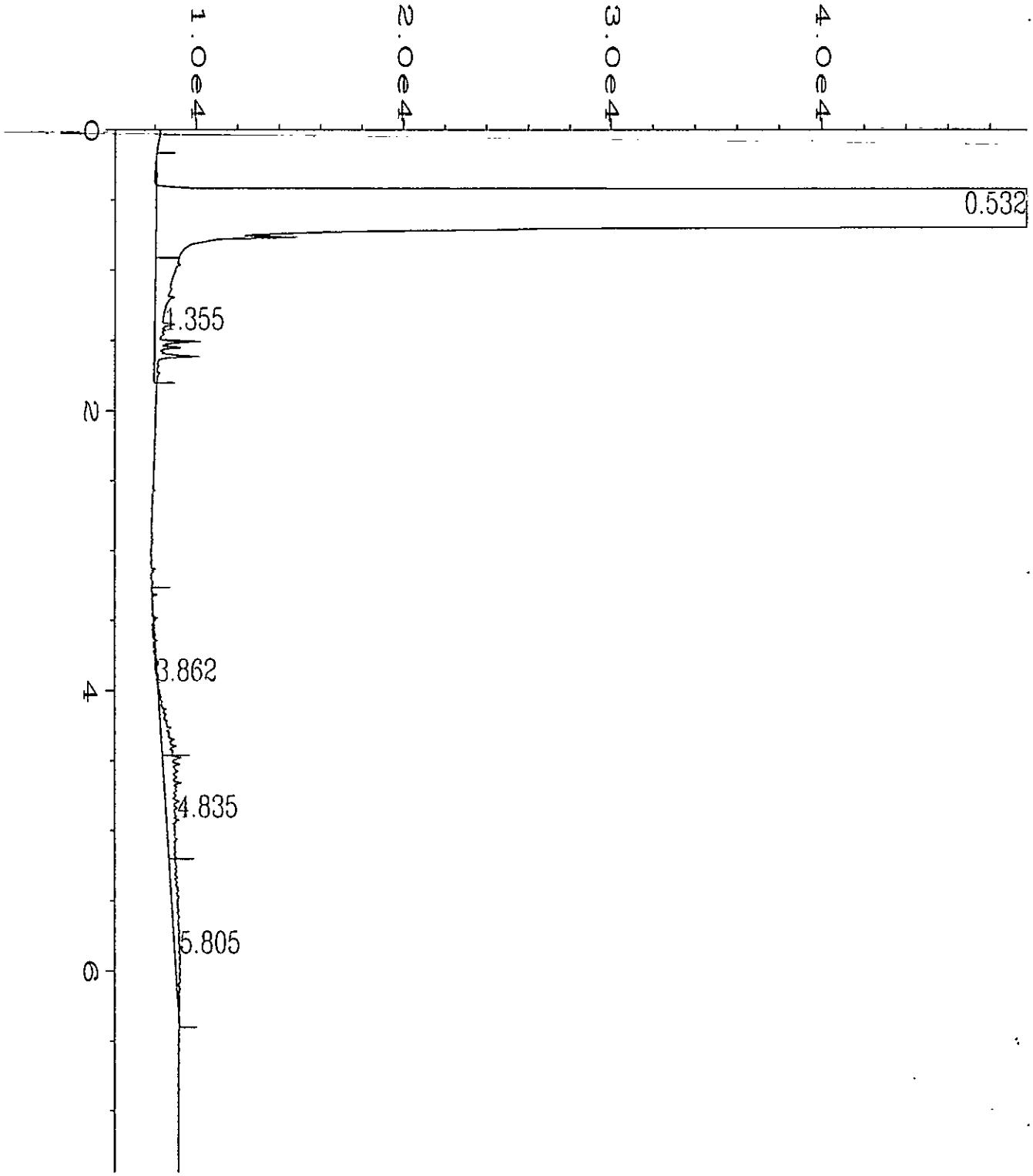
Total area = 225145

Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\014F0801.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 14			
Sample Name : 1000 Dx 2'65-122				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 8			
Acquired on	1/19/22	14:33		Instrume	DX.MTH		
Report Created on: 19 Jan 22 03:15 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	188	8.51E+03		12/2/21	
Pentacosane							
6	>4.6	<4.7	5143	8.13E+03		12/2/21	
o-Terphenyl							
16	>3.8	<3.9	14747	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
998	>1.80	<4.55	7.73E+06	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
975	>1.80	<6.40	7830794	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
17	>4.55	<6.40	100055	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	3939650	7.42E+03		12/30/21	
C12-C24							
1213	>1.80	<4.50	7730739	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
499	>0.90	<3.08	4254668	8.53E+03		4/18/17	
Kerosene C8-C20							
804	>0.90	<4.50	8094263	1.01E+04		1/9/19	
Transformer Oil							
892	>2.2	<5.20	7820898	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	499						
TPHD (8-36)	509						
TPHDX (8-36)	491						
Motor Oil (8-36	676						

GC - 1											
Seq. Date	6/7/22				ICDSL.XLS						
Sample ID	10 MO 6	50 MO	100 MO	500 MO	1000 MO	2000 MO	3000 MO 66-148				
Conc.	10	50	100	500	1000	2000	3000				
Triacostane	0	436	578	1320	4454	18806	0.00E+00				
Pentacosane	348	1574	3509	16729	50991	159518	2.05E+05				
Terphenyl	0	240	439	2094	3676	8028	4.09E+03				
Diesel C10-24	7371	19941	191391	104094	1921215	814292	5.60E+06				
D-Ex C10-C36	43847	86129	837012	681514	8368640	3745576	2.14E+07				
Motor Oil	69089	300127	645621	3427401	6447425	14739282	1.58E+07				
Heavy Oil	43847	85239	837012	681514	8368640	3745576	2.14E+07				
Jet A	7372	19941	191391	104094	1921215	814292	5.60E+06				
Stoddard	32405	32125	32686	27743	26818	33212	3.15E+04				
Kerosene	39777	51176	224077	131837	1948033	847504	5.63E+06				
Bunker C	28144	86565	565896	682834	5739304	3764382	1.67E+07				
R.F.										Average	$RSD
Triacostane	0	9	6	3	4	9	0			4.43E+00	86%
Pentacosane	35	31	35	33	51	80	68			4.77E+01	41%
Terphenyl	0	5	4	4	4	4	1			3.20E+00	56%
Diesel C10-24	737	399	1914	208	1921	407	1866			1.06E+03	75%
D-Ex C10-C36	4385	1723	8370	1363	8369	1873	7135			~~4.75E+03~~	67%
Motor Oil	6909	6003	6456	6855	6447	7370	5269			6.47E+03	11%
Heavy Oil	4385	1705	8370	1363	8369	1873	7135			~~4.74E+03~~	67%
Jet A	737	399	1914	208	1921	407	1866			1.06E+03	75%
Stoddard	3241	643	327	55	27	17	10			6.17E+02	191%
Kerosene	3978	1024	2241	264	1948	424	1877			1.68E+03	76%
Bunker C	2814	1731	5659	1366	5739	1882	5563			3.54E+03	57%
Analyte	10	50	100	500	1000	2000	3000	0			
Triacostane	0	98	131	298	1006	4247	0	0			
Pentacosane	7	33	74	351	1069	3343	4304	0			
Terphenyl	0	75	137	653	1147	2505	1276	0			
Diesel C10-24	31	63	-80	80	-80	62	-75	#DIV/0!			
D-Ex C10-C36	8	64	-76	71	-76	61	-50	#DIV/0!			
Motor Oil	-7	7	0	-6	0	-14	19	#DIV/0!			
Heavy Oil	8	64	-76	71	-76	61	-50	#DIV/0!			
Jet A	31	63	-80	80	-80	62	-75	#DIV/0!			
Stoddard	-425	-4	47	91	96	97	98	#DIV/0!			
Kerosene	-137	39	-33	84	-16	75	-12	#DIV/0!			
Bunker C	20	51	-60	61	-62	47	-57	#DIV/0!			

Calculated by: JC 0607-22			Reviewed by			
	Initials	Date/Time		Initials	Date/Time	
Update circled values	JC 06-07-22		Excel TPHD sheet Updated			
	Initials	Date/Time				

2nd SOURCE OK



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\011F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 11
Sample Name	: 10 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 08:30 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:52 AM	Analysis Method	: DX.MTH

Area Percent Report

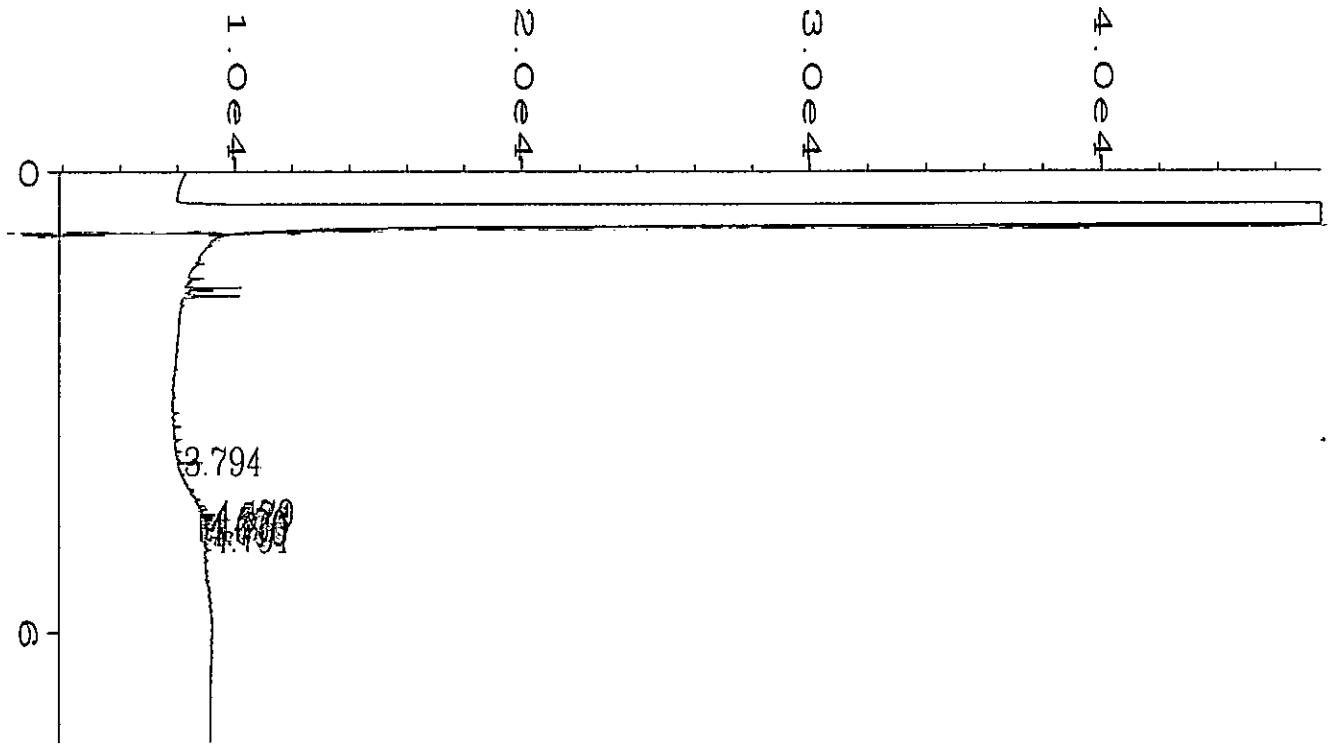
Data File Name : C:\HPCHEM\1\DATA\06-07-22\011F0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:30 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\011F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16366E+009	1.02307E+008	PVA	0.190	99.9934
2	1.355	32405	2077	VB +	0.000	0.0028
3	3.862	7372	961	PV +	0.000	0.0006
4	4.835	21120	712	VV +	0.000	0.0018
5	5.805	15705	304	VB +	0.000	0.0013

Total area = 1.16374E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\011R0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:30 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\011R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.794	101	211	PV	0.008	2.6141
2	4.479	516	520	PV	0.015	13.3965
3	4.524	538	458	VV	0.016	13.9755
4	4.576	574	345	VV	0.024	14.9026
5	4.620	474	278	VV	0.025	12.3022
6	4.657	574	515	VV	0.015	14.8924
7	4.690	314	253	VV	0.018	8.1578
8	4.715	328	264	VV	0.019	8.5062
9	4.791	433	399	VBA	0.016	11.2527

Total area = 3852

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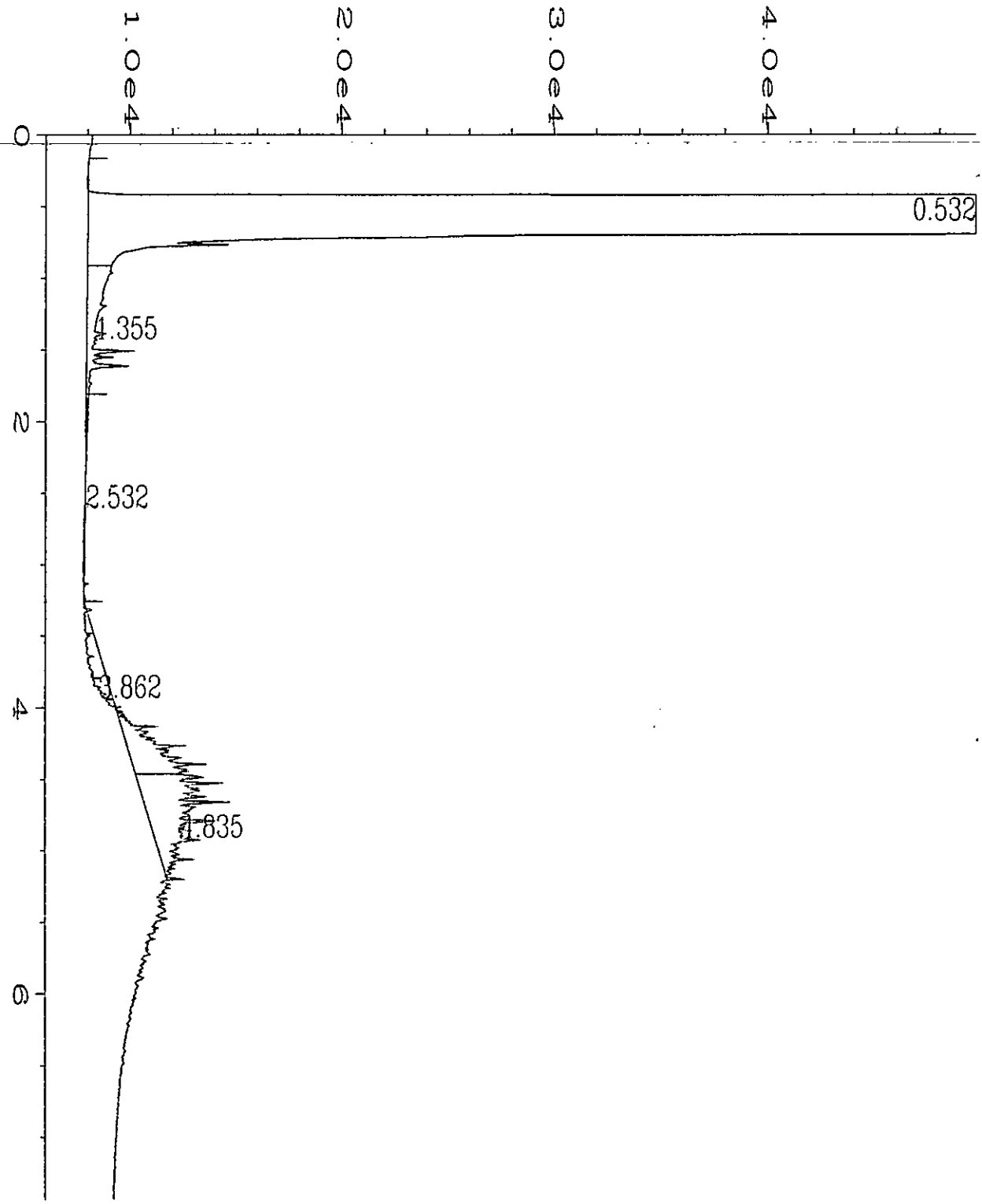
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\011F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 11			
Sample Name : 10 MO 66-148				Injection Number : 1			
Run Time Bar-Code:				Sequence Line : 3			
Acquired on	6/7/22	8:30		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:52 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
1	>4.4	<4.6	574	1.09E+04		6/7/22	
o-Terphenyl							
0	>3.65	<3.75	0	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1	>1.80	<4.29	7.37E+03	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
5	>1.80	<6.40	43621	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
6	>4.30	<6.40	36250	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	43621	7.42E+03		12/30/21	
C12-C24							
1	>1.80	<4.50	7372	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	32405	8.53E+03		4/18/17	
Kerosene C8-C20							
4	>0.90	<4.50	39777	1.01E+04		1/9/19	
Transformer Oil							
3	>2.2	<5.20	27918	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	5						
TPHDX (8-36)	5						
Motor Oil (8-36	7						



Data File Name : C:\HPCHEM\1\DATA\06-07-22\012F0301.D
Operator : TL
Instrument : GC1
Sample Name : 50 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:45 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

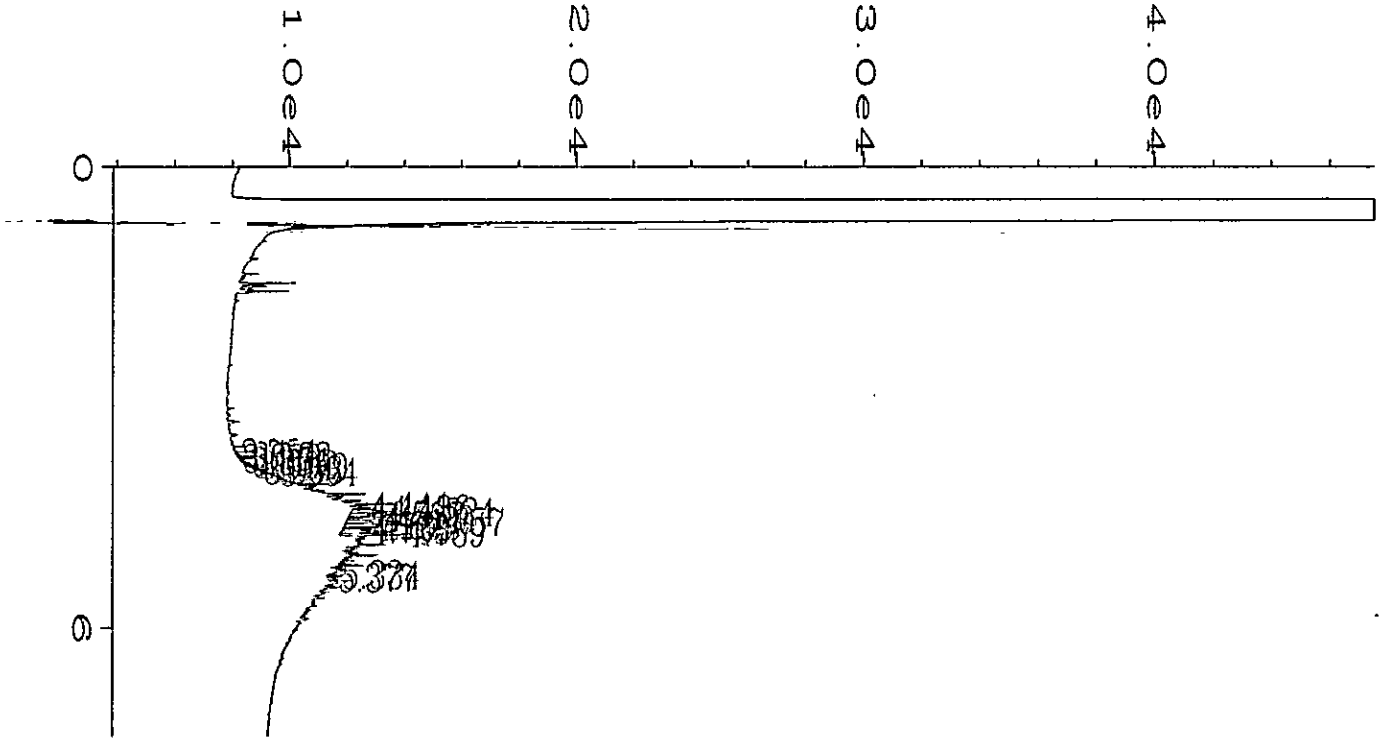
Data File Name : C:\HPCHEM\1\DATA\06-07-22\012F0301.D
Operator : TL
Instrument : GC1
Sample Name : 50 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:45 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\012F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16441E+009	1.02529E+008	PVA	0.189	99.9897
2	1.355	31235	2000	VVA	0.260	0.0027
3	2.532	890	157	VV +	0.000	0.0001
4	3.862	19291	4374	PV +	0.000	0.0017
5	4.835	68198	3407	VB +	0.000	0.0059

Total area = 1.16453E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\012R0301.D
Operator : TL
Instrument : GC1
Sample Name : 50 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:45 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\012R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.751	227	164	VV	0.022	0.9608
2	3.793	250	516	VV	0.011	1.0600
3	3.820	158	118	VV	0.019	0.6691
4	3.854	281	301	PV	0.014	1.1931
5	3.886	142	203	VV	0.012	0.6001
6	3.902	249	326	VV	0.012	1.0569
7	3.939	240	523	PV	0.010	1.0169
8	3.968	144	166	VV	0.014	0.6104
9	3.994	475	545	PBA	0.015	2.0125
10	4.444	231	492	VV	0.008	0.9779
11	4.486	1904	1386	PV	0.020	8.0722
12	4.524	2767	2392	VV	0.016	11.7263
13	4.562	941	1279	VV	0.013	3.9892
14	4.577	1680	1314	VV	0.021	7.1201
15	4.620	2492	1718	VV	0.020	10.5643
16	4.657	3193	2864	VV	0.016	13.5334
17	4.693	1120	1329	VV	0.014	4.7452
18	4.706	834	1110	VV	0.013	3.5333
19	4.720	1125	1030	VV	0.018	4.7703
20	4.753	1829	1049	VV	0.025	7.7508

21	4.789	2467	2368	VBA	0.015	10.4565
22	5.334	408	529	PV	0.012	1.7314
23	5.377	436	346	VV	0.022	1.8493

Total area = 23593

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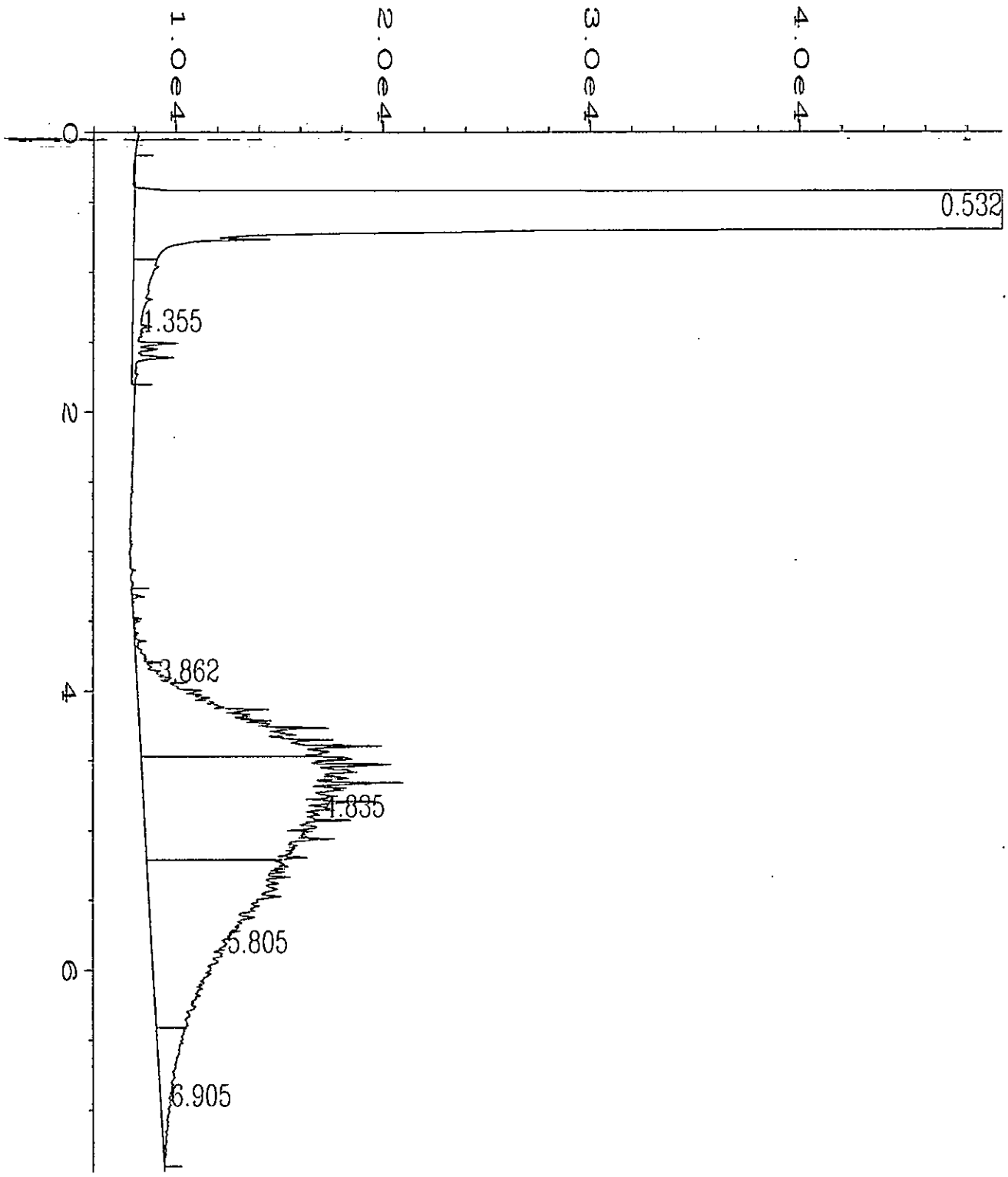
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\012F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 12			
Sample Name : 50 MO 66-148				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	6/7/22	8:45		Instrume	DX:MTH		
Report Created on: 07 Jun 22 10:52 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	436	9.07E+03		6/7/22	
Pentacosane							
3	>4.4	<4.6	2767	1.09E+04		6/7/22	
o-Terphenyl							
0	>3.65	<3.75	0	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
2	>1.80	<4.29	2.02E+04	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
9	>1.80	<6.40	85175	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
10	>4.30	<6.40	64995	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	84285	7.42E+03		12/30/21	
C12-C24							
3	>1.80	<4.50	20181	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	32125	8.53E+03		4/18/17	
Kerosene C8-C20							
5	>0.90	<4.50	51416	1.01E+04		1/9/19	
Transformer Oil							
10	>2.2	<5.20	85612	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	10						
TPHDX (8-36)	9						
Motor Oil (8-36	13						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\013F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 13
Sample Name	: 100 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:00 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

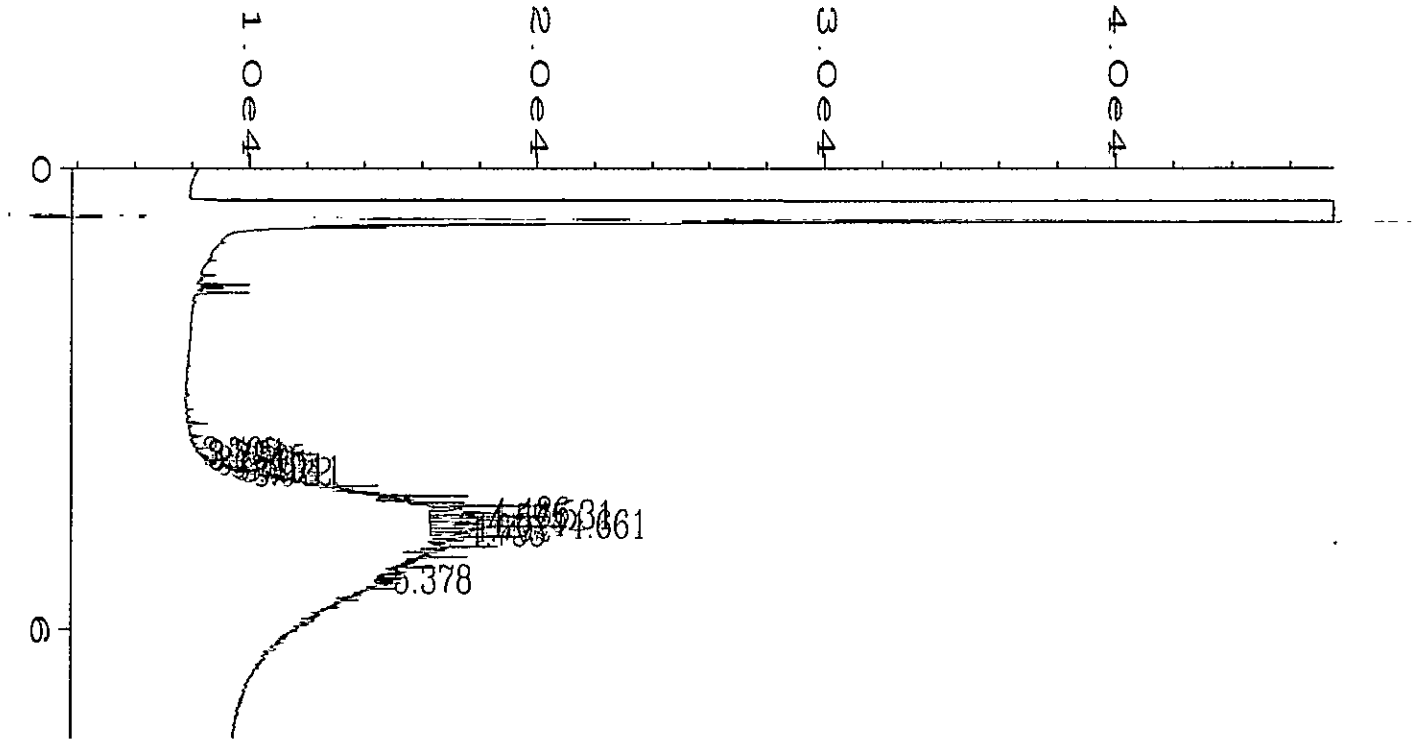
Data File Name : C:\HPCHEM\1\DATA\06-07-22\013F0301.D
Operator : TL
Instrument : GC1
Sample Name : 100 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:00 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\013F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16291E+009	1.02425E+008	PVA	0.189	99.9220
2	1.355	32686	2067	VB +	0.000	0.0028
3	3.862	191830	11368	PVA	0.281	0.0165
4	4.835	378014	12097	VVA	0.521	0.0325
5	5.805	271694	6682	VVA	0.678	0.0233
6	6.905	33028	1255	VB +	0.000	0.0028

Total area = 1.16382E+009



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Area Percent Report

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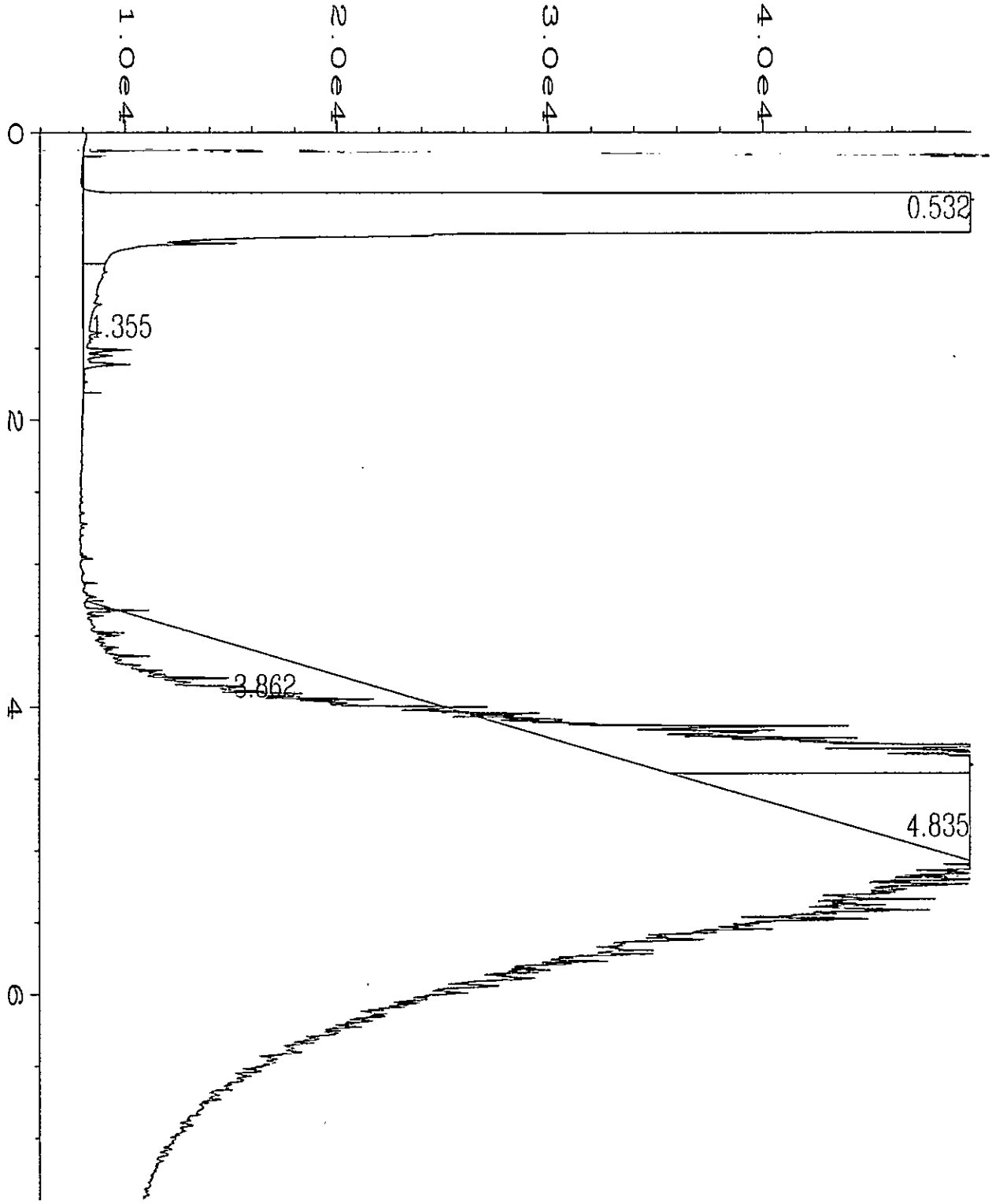
Data File Name : C:\HPCHEM\1\DATA\06-07-22\013R0301.D
Operator : TL
Instrument : GC1
Sample Name : 100 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:00 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\013R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.707	153	139	PV	0.019	0.4871
2	3.741	143	232	VV	0.010	0.4553
3	3.754	158	237	VV	0.011	0.5015
4	3.771	121	186	VV	0.011	0.3836
5	3.795	459	866	VV	0.012	1.4591
6	3.826	335	259	VV	0.020	1.0641
7	3.854	579	599	PV	0.015	1.8401
8	3.887	315	416	VV	0.012	1.0010
9	3.904	520	680	VV	0.011	1.6519
10	3.925	176	339	VV	0.009	0.5588
11	3.941	486	985	PV	0.008	1.5435
12	3.972	190	177	VV	0.018	0.6045
13	4.486	3770	2162	PV	0.029	11.9751
14	4.531	4629	3991	VV	0.025	14.7037
15	4.575	4681	1958	VV	0.040	14.8699
16	4.624	3255	2063	VV	0.026	10.3397
17	4.661	5275	4787	VV	0.024	16.7549
18	4.702	3616	1452	VV	0.042	11.4847
19	4.755	2072	1426	VV	0.024	6.5808
20	5.378	548	619	PBA	0.016	1.7409

Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\013F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 13			
Sample Name : 100 MO 66-148				Injection Number : 1			
Run Time Bar Code: _ _				Sequence Line : 3			
Acquired on	6/7/22	9:00		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:53 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
1	>5.3	<5.4	548	9.07E+03		6/7/22	
Pentacosane							
4	>4.4	<4.6	4681	1.09E+04		6/7/22	
o-Terphenyl							
0	>3.65	<3.75	153	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
22	>1.80	<4.29	1.92E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
93	>1.80	<6.40	836156	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
100	>4.30	<6.40	644479	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	836156	7.42E+03		12/30/21	
C12-C24							
30	>1.80	<4.50	191677	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	32686	8.53E+03		4/18/17	
Kerosene C8-C20							
22	>0.90	<4.50	224363	1.01E+04		1/9/19	
Transformer Oil							
64	>2.2	<5.20	565010	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	97						
TPHDX (8-36)	93						
Motor Oil (8-36	129						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\014F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 14
Sample Name	: 500 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:14 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

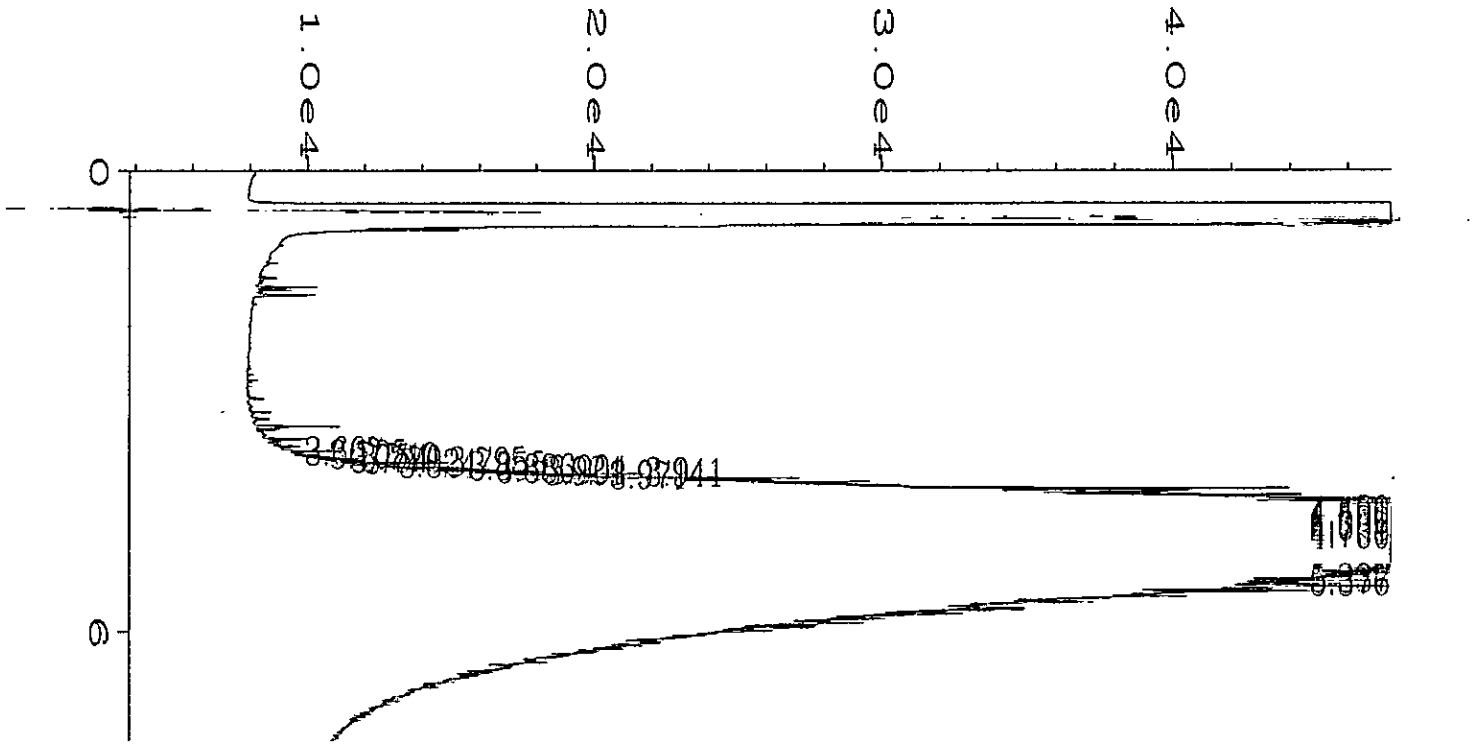
Data File Name : C:\HPCHEM\1\DATA\06-07-22\014F0301.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:14 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\014F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.20805E+009	1.05895E+008	PVA	0.190	99.9397
2	1.355	27743	2219	VVA	0.208	0.0023
3	3.862	106188	45774	PV +	0.000	0.0088
4	4.835	595469	35080	VB +	0.000	0.0493

Total area = 1.20878E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\014R0301.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:14 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\014R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.667	233	372	BV	0.010	0.1425
2	3.705	853	975	PV	0.015	0.5219
3	3.740	760	1469	VV	0.009	0.4645
4	3.754	459	903	VV	0.008	0.2805
5	3.770	685	1121	VV	0.010	0.4187
6	3.795	2094	3953	PV	0.009	1.2807
7	3.824	1638	1303	VV	0.019	1.0018
8	3.855	2635	2818	PV	0.014	1.6114
9	3.886	2273	2466	VV	0.014	1.3905
10	3.904	3040	3502	PV	0.015	1.8591
11	3.924	1156	2374	VV	0.008	0.7071
12	3.941	2547	5228	PV	0.008	1.5580
13	3.971	2037	1681	VV	0.019	1.2460
14	4.450	2259	2428	VV	0.016	1.3816
15	4.491	20466	14790	PV	0.029	12.5178
16	4.531	27821	27901	VV	0.017	17.0160
17	4.580	22257	13225	VV	0.028	13.6129
18	4.627	21603	13343	VV	0.027	13.2130
19	4.663	22333	22463	VV	0.023	13.6596
20	4.701	18428	9368	VV	0.033	11.2711

21	4.760	6649	5904	VV	0.019	4.0669
22	5.337	233	4616	BV	0.172	0.1425
23	5.376	1040	1370	PBA	0.013	0.6359

Total area = 163498

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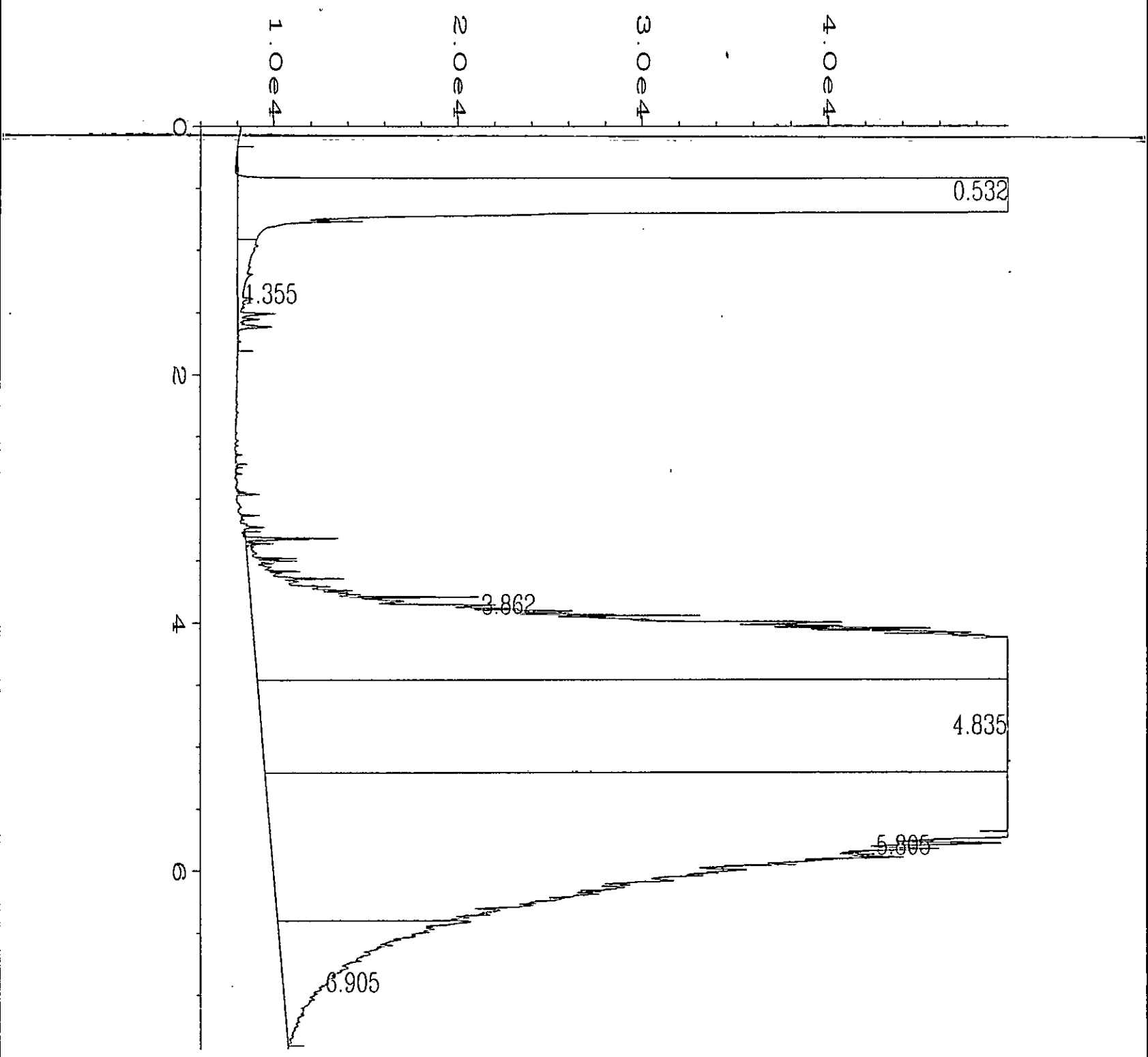
Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\06-07-22\014F0301.D
Operator : TL | Page Number : 1
Instrument : GC1 | Vial Number : 14
Sample Name : 500 MO 66-148 | Injection Number : 1
Run Time Bar Code: | Sequence Line : 3
Acquired on 6/7/22 9:14 Instrume DX.MTH
Report Created on: 07 Jun 22 10:53 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
1	>5.3	<5.4	1040	9.07E+03		6/7/22
Pentacosane						
25	>4.4	<4.6	27821	1.09E+04		6/7/22
o-Terphenyl						
1	>3.65	<3.75	853	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
12	>1.80	<4.29	1.05E+05	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
75	>1.80	<6.40	671943	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
88	>4.30	<6.40	566608	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	671943	7.42E+03		12/30/21
C12-C24						
17	>1.80	<4.50	105335	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
3	>0.90	<3.08	27743	8.53E+03		4/18/17
Kerosene C8-C20						
13	>0.90	<4.50	133078	1.01E+04		1/9/19
Transformer Oil						
77	>2.2	<5.20	672983	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	3
TPHD (8-36)	78
TPHDX (8-36)	75
Motor Oil (8-36	104



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\015F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 15
Sample Name	: 1000 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:29 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

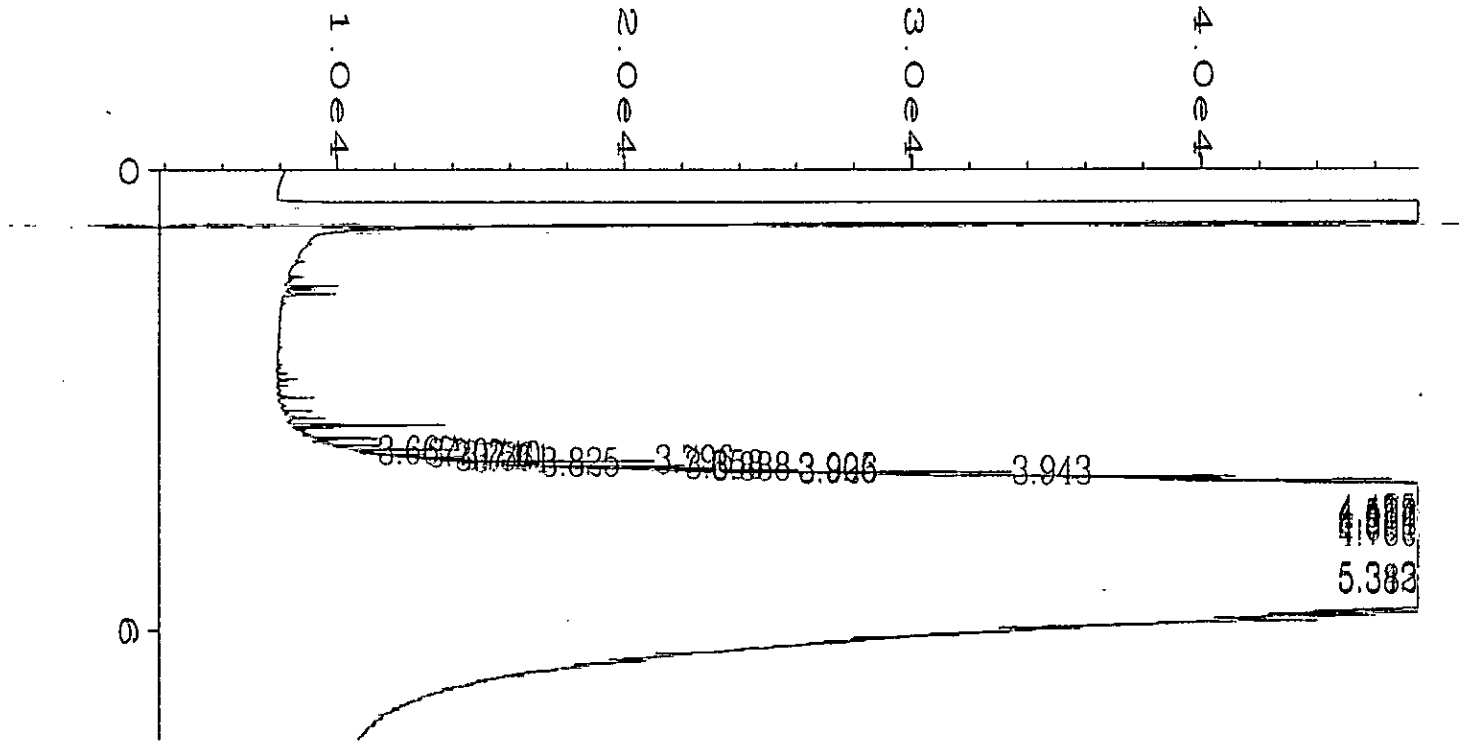
Data File Name : C:\HPCHEM\1\DATA\06-07-22\015F0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:29 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\015F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.18204E+009	1.04373E+008	PVA	0.189	99.2742
2	1.355	26818	2010	VVA	0.222	0.0023
3	3.862	1924891	112077	PV +	0.000	0.1617
4	4.835	3869080	122012	VVA	0.529	0.3249
5	5.805	2633790	75775	VV +	0.000	0.2212
6	6.905	186804	10219	VBA+	0.000	0.0157

Total area = 1.19068E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\015R0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:29 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

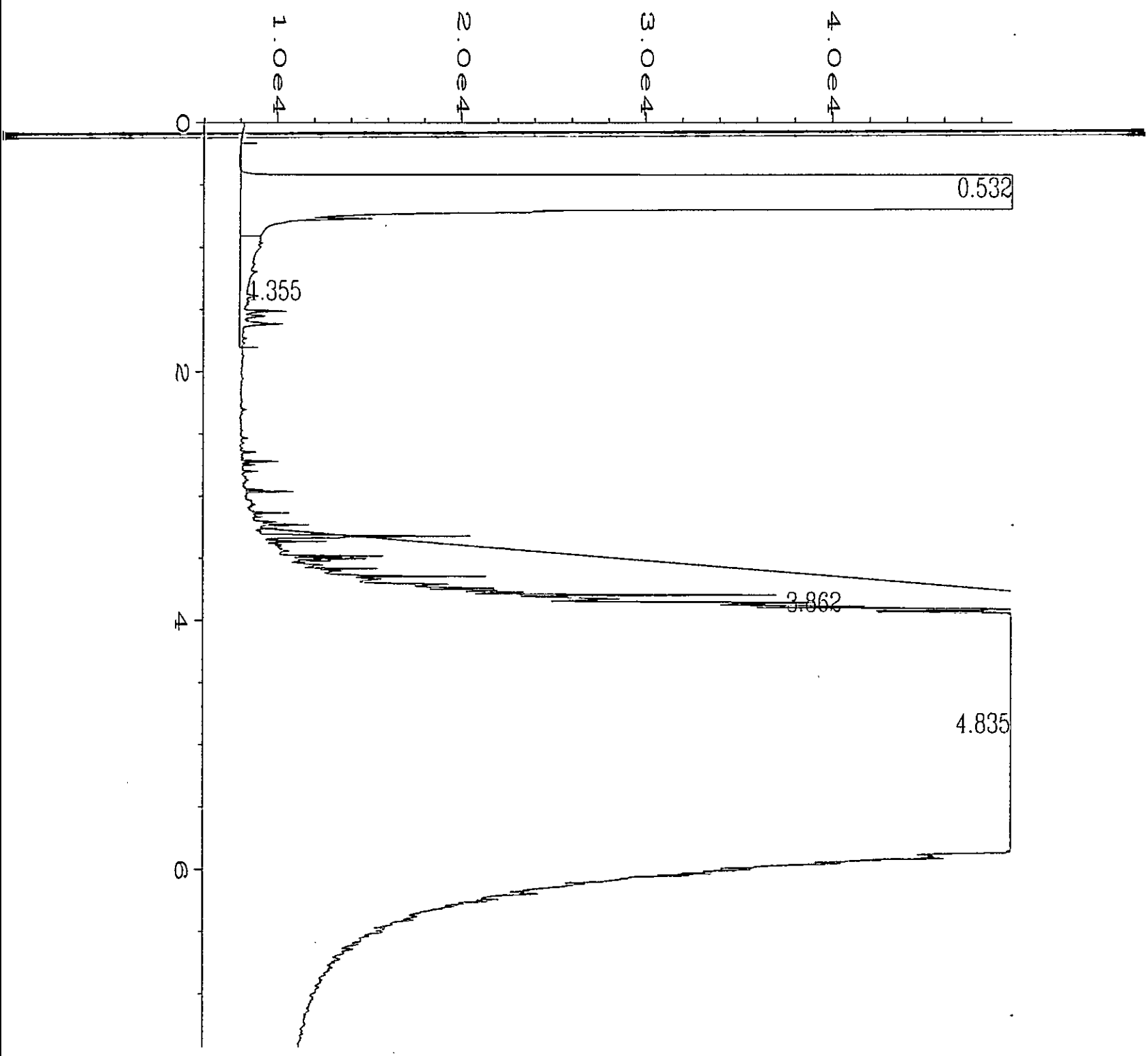
Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\015R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.667	300	621	BV	0.011	0.1108
2	3.707	1249	1765	PV	0.013	0.4604
3	3.740	1149	2037	VV	0.009	0.4234
4	3.756	721	1279	VV	0.009	0.2658
5	3.771	756	1505	VV	0.008	0.2785
6	3.796	3676	7529	PV	0.008	1.3550
7	3.825	2777	2109	VV	0.019	1.0237
8	3.858	5921	5395	PV	0.017	2.1825
9	3.888	2872	3779	VV	0.011	1.0587
10	3.905	4870	5573	VV	0.015	1.7949
11	3.926	2017	3679	VV	0.009	0.7435
12	3.943	4284	9522	PV	0.009	1.5790
13	4.455	3830	6442	PV	0.011	1.4116
14	4.474	3593	9606	PV	0.006	1.3242
15	4.494	27465	28798	VV	0.015	10.1233
16	4.513	4738	8536	VV	0.009	1.7466
17	4.532	44609	50441	VV	0.014	16.4429
18	4.584	45511	22434	VV	0.027	16.7750
19	4.611	7280	10904	VV	0.011	2.6832
20	4.628	24575	26885	VV	0.015	9.0582

21	4.664	39533	47465	VV	0.014	14.5716
22	4.698	24091	11266	VV	0.036	8.8797
23	4.760	12432	15022	VV	0.012	4.5825
24	5.343	343	11353	BV	0.003	0.1263
25	5.382	2709	4616	PBA	0.010	0.9986

Total area = 271299

Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\015F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 15			
Sample Name : 1000 MO 66-148				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on : 6/7/22		9:29		Instrume DX.MTH			
Report Created on: 07 Jun 22 10:53 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
3	>5.3	<5.4	2709	9.07E+03		6/7/22	
Pentacosane							
42	>4.4	<4.6	45511	1.09E+04		6/7/22	
o-Terphenyl							
1	>3.65	<3.75	1249	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
224	>1.80	<4.29	1.92E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
934	>1.80	<6.40	8378292	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
997	>4.30	<6.40	6454650	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	8378292	7.42E+03		12/30/21	
C12-C24							
302	>1.80	<4.50	1923642	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	26818	8.53E+03		4/18/17	
Kerosene C8-C20							
194	>0.90	<4.50	1950460	1.01E+04		1/9/19	
Transformer Oil							
656	>2.2	<5.20	5747211	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	975						
TPHDX (8-36)	934						
Motor Oil (8-36	1294						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\016F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 16
Sample Name	: 2000 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:44 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

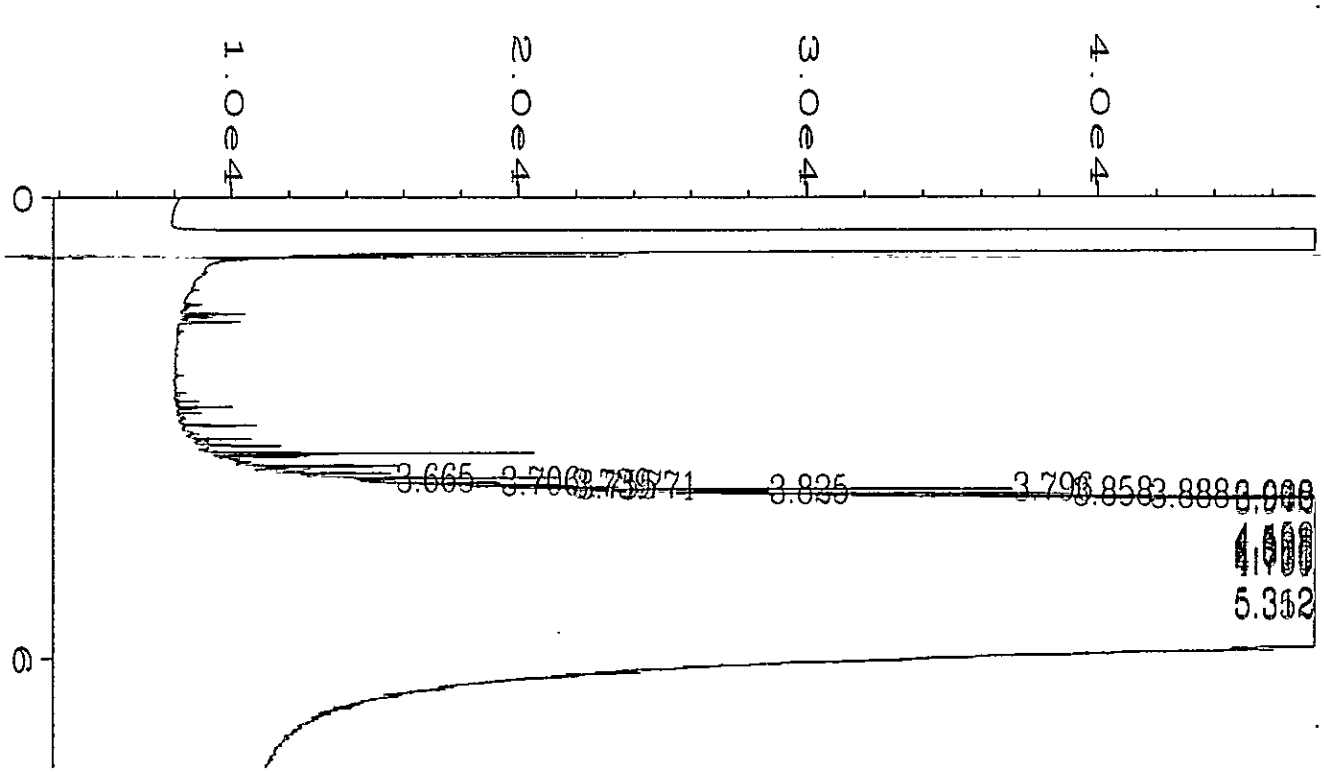
Data File Name : C:\HPCHEM\1\DATA\06-07-22\016F0301.D
Operator : TL
Instrument : GC1
Sample Name : 2000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:44 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\016F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.21143E+009	1.04969E+008	PVA	0.192	99.6738
2	1.355	33212	2319	VB +	0.000	0.0027
3	3.862	822320	192087	PV +	0.000	0.0677
4	4.835	3109608	136680	VB +	0.000	0.2559

Total area = 1.2154E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\016R0301.D
Operator : TL
Instrument : GC1
Sample Name : 2000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:44 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\016R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.665	898	1381	BV	0.011	0.0786
2	3.706	3561	3936	PV	0.014	0.3117
3	3.739	2633	4251	VV	0.010	0.2305
4	3.755	1823	3325	PV	0.009	0.1596
5	3.771	2072	3756	VV	0.009	0.1813
6	3.796	8028	16356	VV	0.011	0.7025
7	3.825	6649	5440	VV	0.018	0.5819
8	3.858	12999	11720	PV	0.017	1.1376
9	3.888	6875	8621	VV	0.013	0.6017
10	3.908	11305	13837	VV	0.013	0.9894
11	3.925	3960	8309	VV	0.008	0.3466
12	3.942	11106	23036	PV	0.010	0.9719
13	3.972	6704	6148	VV	0.018	0.5867
14	4.459	11484	19928	VV	0.010	1.0050
15	4.501	102476	57314	PV	0.024	8.9680
16	4.538	126605	113060	VV	0.019	11.0797
17	4.591	159518	80062	VV	0.033	13.9601
18	4.635	116125	73903	VV	0.022	10.1626
19	4.676	190242	110479	VV	0.024	16.6488
20	4.708	54117	73652	VV	0.012	4.7360

21	4.719	127400	68744	VV	0.031	11.1492
22	4.769	103946	67788	VV	0.021	9.0967
23	4.791	47442	57469	VBA	0.014	4.1518
24	5.312	5901	7108	BV	0.014	0.5164
25	5.352	18806	23400	PV	0.013	1.6458

Total area = 1142676

Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\06-07-22\016F0301.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 16

Sample Name : 2000 MO 66-148 | Injection Number : 1

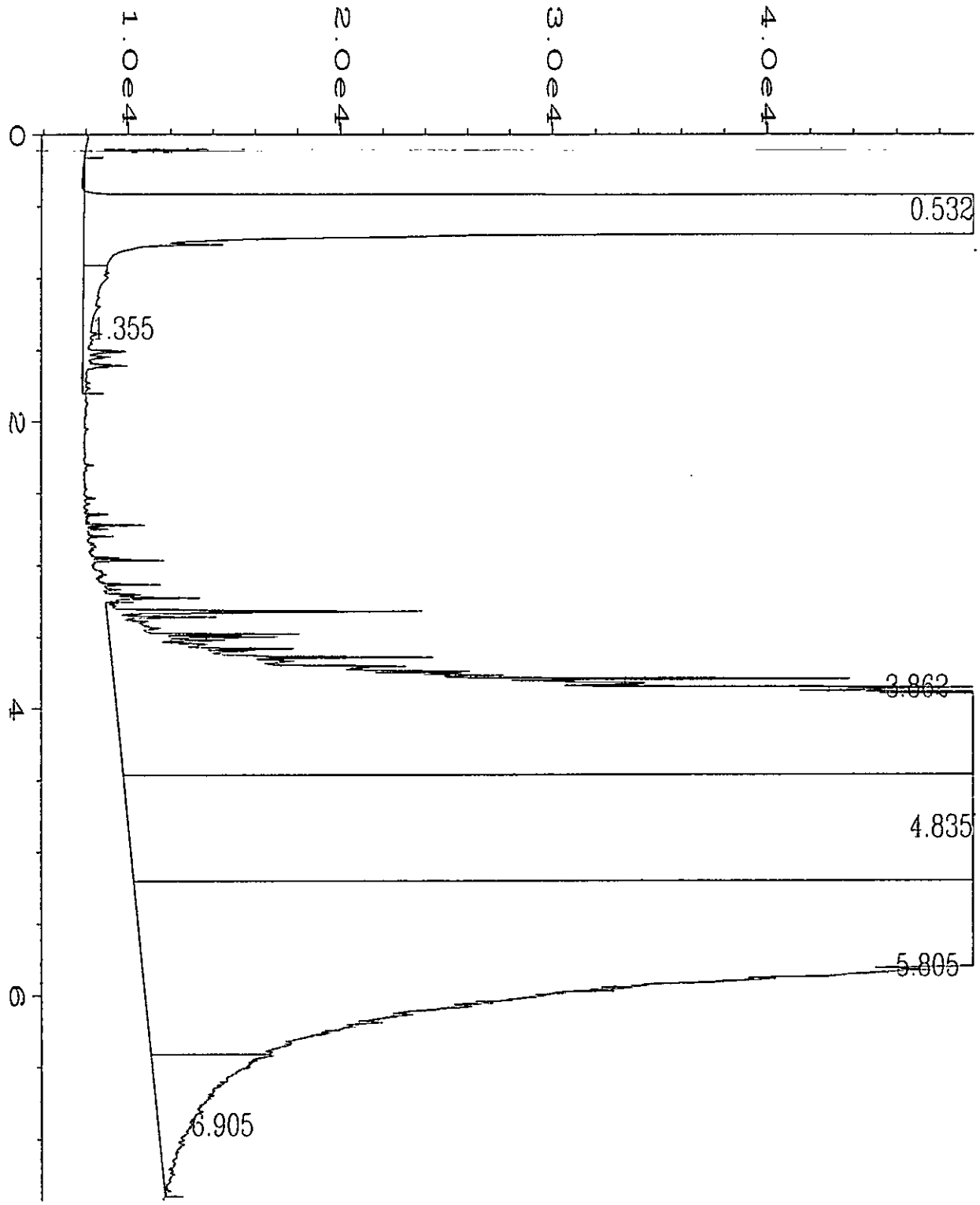
Run Time Bar Code: | Sequence Line : 3

Acquired on 6/7/22 9:44 | Instrume DX.MTH

Report Created on: 07 Jun 22 10:53 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
21	>5.3	<5.4	18806	9.07E+03		6/7/22
Pentacosane						
146	>4.4	<4.6	159518	1.09E+04		6/7/22
o-Terphenyl						
3	>3.65	<3.75	3561	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
95	>1.80	<4.29	8.19E+05	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
418	>1.80	<6.40	3750043	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
453	>4.30	<6.40	2931284	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	3750043	7.42E+03		12/30/21
C12-C24						
128	>1.80	<4.50	818759	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
4	>0.90	<3.08	33212	8.53E+03		4/18/17
Kerosene C8-C20						
85	>0.90	<4.50	851971	1.01E+04		1/9/19
Transformer Oil						
430	>2.2	<5.20	3768849	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	4
TPHD (8-36)	436
TPHDX (8-36)	418
Motor Oil (8-36	579



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\017F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 17
Sample Name	: 3000 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:59 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:54 AM	Analysis Method	: DX.MTH

Area Percent Report

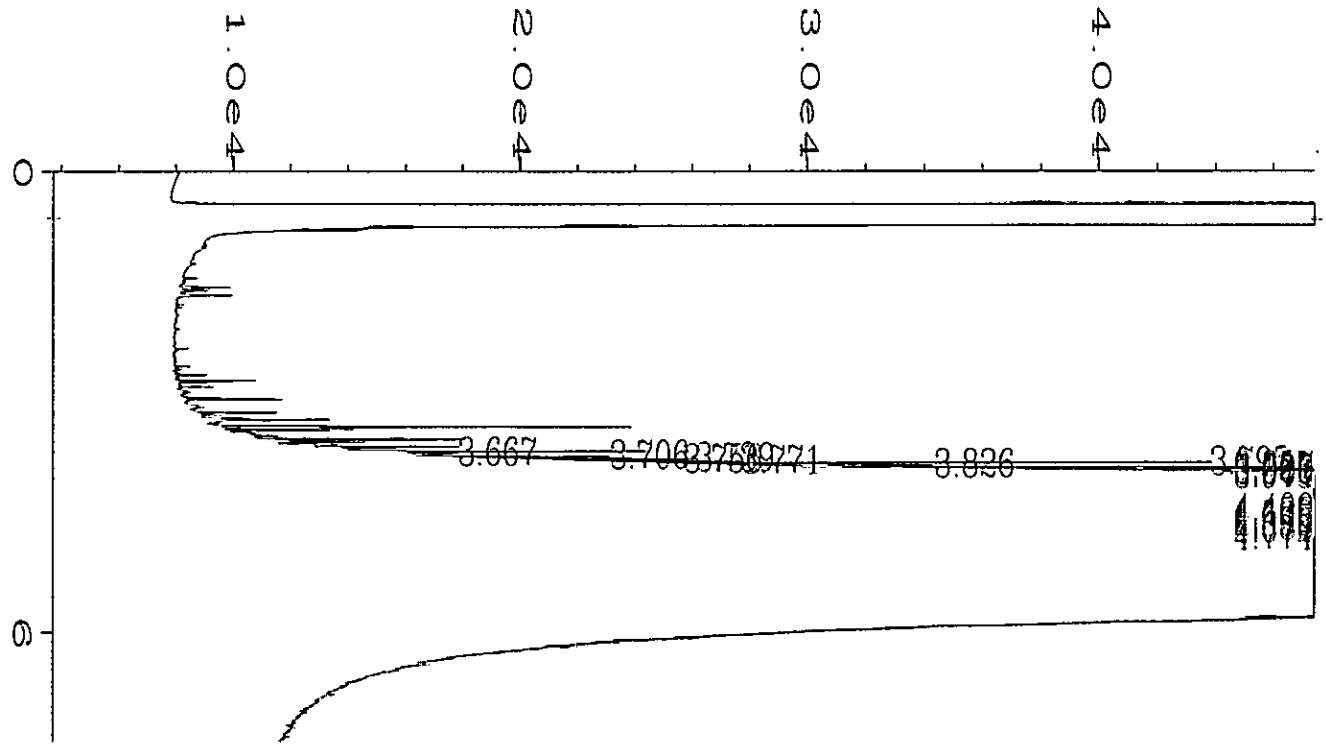
Data File Name : C:\HPCHEM\1\DATA\06-07-22\017F0301.D
Operator : TL
Instrument : GC1
Sample Name : 3000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:59 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\017F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15509E+009	1.01926E+008	PVA	0.189	98.1513
2	1.355	31487	1869	VB +	0.000	0.0027
3	3.862	5603258	325619	VV +	0.000	0.4761
4	4.835	1.12952E+007	352316	VV +	0.000	0.9598
5	5.805	4715926	214898	VVA	0.366	0.4007
6	6.905	109850	5375	VB +	0.000	0.0093

Total area = 1.17684E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\017R0301.D
Operator : TL
Instrument : GC1
Sample Name : 3000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:59 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\017R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.667	1346	1574	BV	0.013	0.0860
2	3.706	4090	5133	PV	0.013	0.2612
3	3.739	3263	5470	VV	0.010	0.2083
4	3.756	1987	3482	PV	0.010	0.1269
5	3.771	2059	4215	VV	0.008	0.1315
6	3.795	10364	19859	VV	0.009	0.6618
7	3.826	8091	5632	VV	0.022	0.5167
8	3.857	16968	16310	PV	0.017	1.0835
9	3.889	7944	11291	VV	0.012	0.5072
10	3.905	14624	18805	VV	0.013	0.9338
11	3.926	6522	13412	VV	0.008	0.4165
12	3.944	11736	25953	PV	0.008	0.7494
13	3.973	7179	5792	VV	0.017	0.4584
14	4.409	73917	99600	BV	0.135	4.7199
15	4.456	76658	48086	PV	0.027	4.8949
16	4.502	145716	97922	VV	0.025	9.3045
17	4.545	169580	141616	VV	0.019	10.8283
18	4.590	205362	88545	VV	0.039	13.1131
19	4.638	192875	103115	VV	0.027	12.3158
20	4.677	438628	148409	VV	0.046	28.0081

21	4.774	167169	82927	VBA	0.034	10.6744

Total area = 1566078

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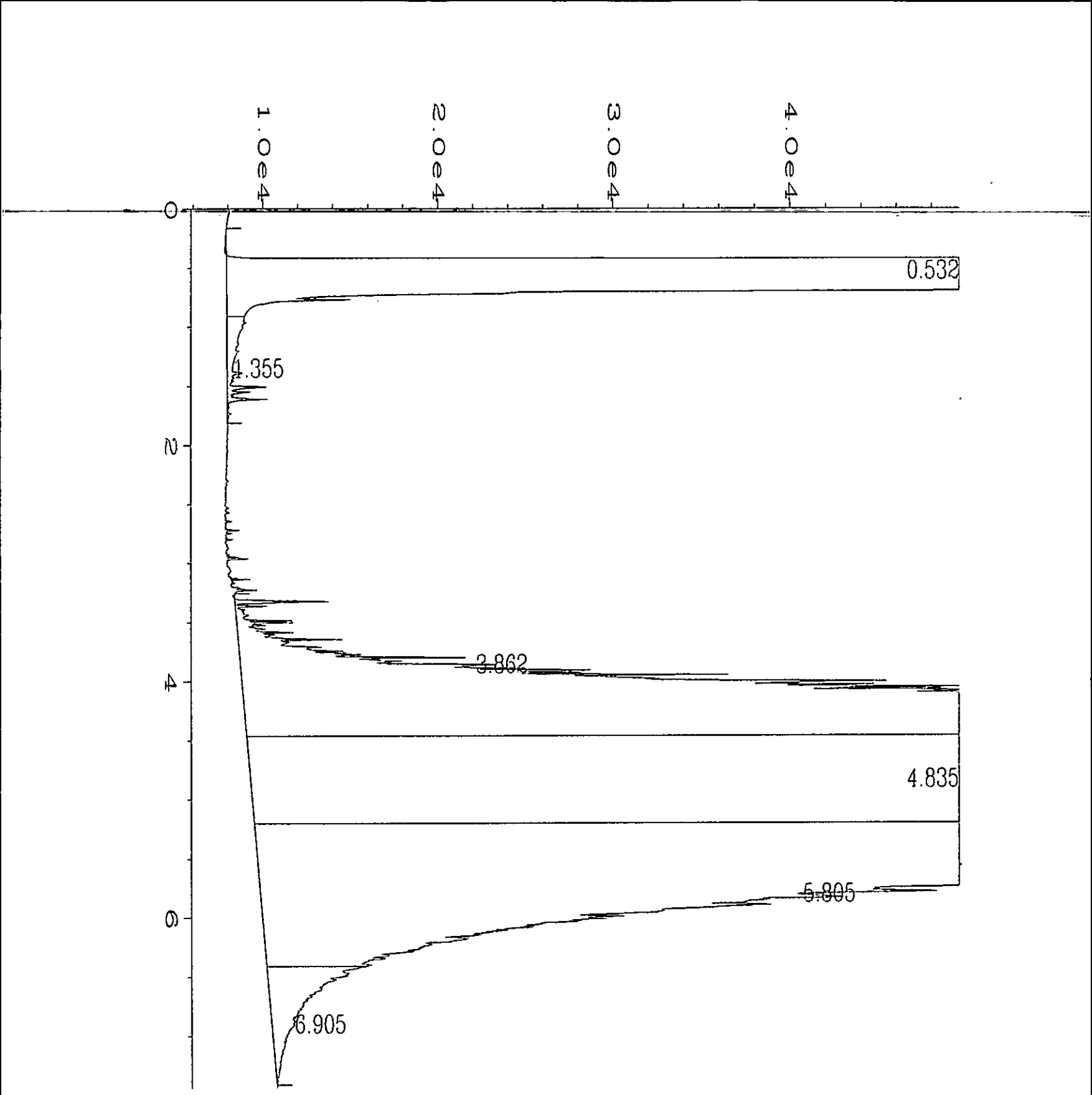
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\017F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 17			
Sample Name : 3000 MO 66-148				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	6/7/22	9:59		Instrume	DX:MTH		
Report Created on: 07 Jun 22 10:54 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
188	>4.4	<4.6	205362	1.09E+04		6/7/22	
o-Terphenyl							
4	>3.65	<3.75	4090	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
652	>1.80	<4.29	5.60E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
2386	>1.80	<6.40	21404931	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
2442	>4.30	<6.40	15805763	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	21404931	7.42E+03		12/30/21	
C12-C24							
879	>1.80	<4.50	5599168	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	31487	8.53E+03		4/18/17	
Kerosene C8-C20							
559	>0.90	<4.50	5630655	1.01E+04		1/9/19	
Transformer Oil							
1904	>2.2	<5.20	16689006	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	2491						
TPHDX (8-36)	2386						
Motor Oil (8-36	3307						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\018F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 18
Sample Name	: 1000 MO 2'66-149	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 10:14 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:54 AM	Analysis Method	: DX.MTH

Area Percent Report

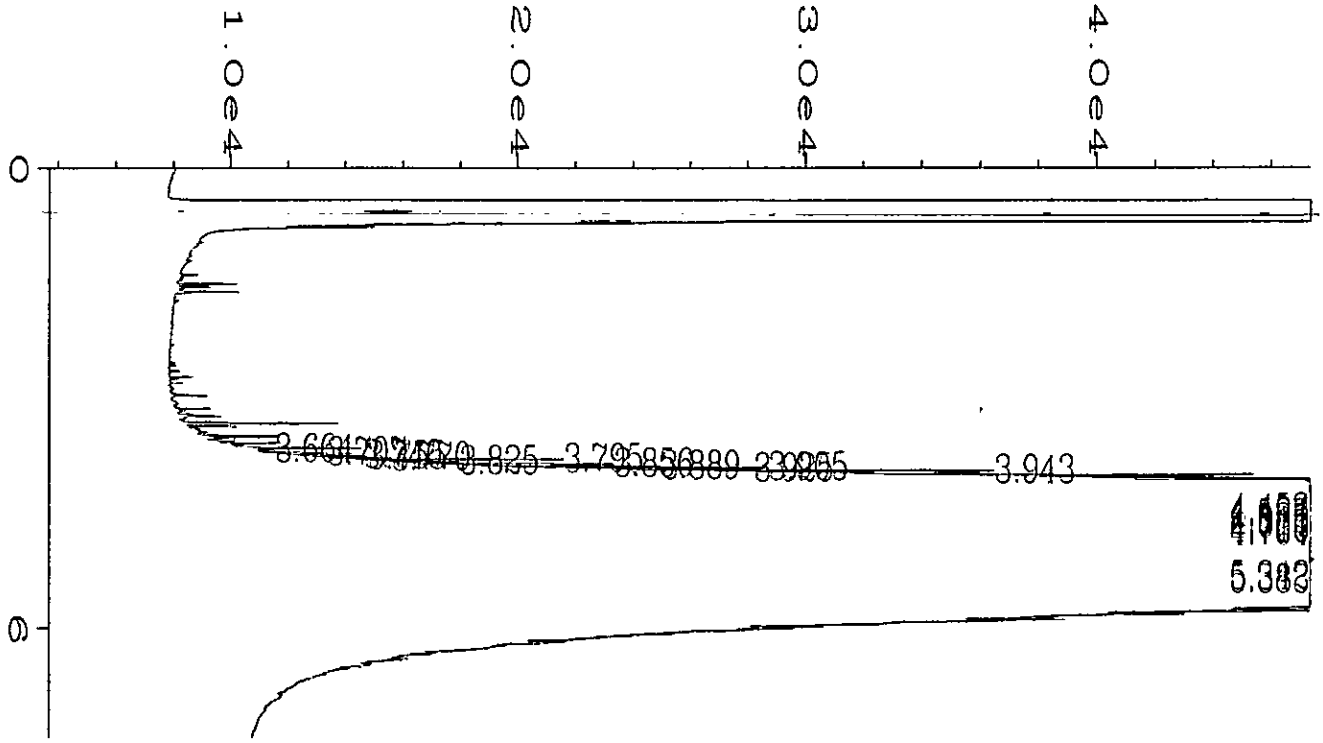
Data File Name : C:\HPCHEM\1\DATA\06-07-22\018F0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 2'66-149
Run Time Bar Code:
Acquired on : 07 Jun 22 10:14 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\018F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.19414E+009	1.04313E+008	PVA	0.191	99.2367
2	1.355	27256	2186	VVA	0.208	0.0023
3	3.862	2125171	125159	PV +	0.000	0.1766
4	4.835	4272669	133768	VV +	0.000	0.3551
5	5.805	2666728	92426	VVA	0.481	0.2216
6	6.905	93549	5505	VBA+	0.000	0.0078

Total area = 1.20332E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\018R0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 2'66-149
Run Time Bar Code:
Acquired on : 07 Jun 22 10:14 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\018R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.664	498	563	BV	0.015	0.1443
2	3.707	1508	1772	PV	0.013	0.4369
3	3.740	1204	1985	VV	0.010	0.3490
4	3.755	950	1792	PV	0.009	0.2754
5	3.770	1041	1973	VV	0.009	0.3017
6	3.795	4033	7719	PV	0.009	1.1690
7	3.825	2316	2207	VV	0.017	0.6713
8	3.856	5724	5531	PV	0.015	1.6588
9	3.889	3088	4473	VV	0.012	0.8951
10	3.905	5375	7004	VV	0.013	1.5578
11	3.925	2405	4616	VV	0.009	0.6971
12	3.943	4330	10652	PV	0.009	1.2549
13	4.453	5599	11602	VV	0.008	1.6227
14	4.494	44751	33059	PV	0.019	12.9696
15	4.533	53253	49867	VV	0.017	15.4336
16	4.585	48477	25902	VV	0.029	14.0495
17	4.613	9011	15097	VV	0.010	2.6115
18	4.631	28807	22192	VV	0.019	8.3488
19	4.667	48728	49866	VV	0.018	14.1221
20	4.704	13921	21641	VV	0.012	4.0344

21	4.716	14361	23006	VV	0.010	4.1620
22	4.730	6461	10971	VV	0.010	1.8726
23	4.764	18316	14445	VV	0.018	5.3083
24	5.342	11297	12104	BV	0.015	3.2740
25	5.383	9591	5710	PBA	0.030	2.7797

Total area = 345046

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Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\018F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 18			
Sample Name : 1000 MO 2'66-149				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	6/7/22	10:14		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:54 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
12	>5.3	<5.4	11297	9.07E+03		6/7/22	
Pentacosane							
49	>4.4	<4.6	53253	1.09E+04		6/7/22	
o-Terphenyl							
1	>3.65	<3.75	1508	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
247	>1.80	<4.29	2.12E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
1003	>1.80	<6.40	8998510	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
1062	>4.30	<6.40	6874847	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	8998510	7.42E+03		12/30/21	
C12-C24							
333	>1.80	<4.50	2123663	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	27256	8.53E+03		4/18/17	
Kerosene C8-C20							
214	>0.90	<4.50	2150919	1.01E+04		1/9/19	
Transformer Oil							
724	>2.2	<5.20	6343079	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	1047						
TPHDX (8-36)	1003						
Motor Oil (8-36	1390						

NWTPH-Dx
MDLs

MDL Data and Calculations

(Analyst: Do not enter anything in this worksheet. See instructions.)

Analysis:	NWTPH-Dx/8015M	Standard(s) spiked:	1000ppm Dx 62-142B, 63-79E, 64-13F, 65-27E
Matrix:	water	Volume spiked:	25 uL
Instrument ID:	GC#1	Date(s) Extracted:	3/10/2021, 03/11, 06/08, 06/09, 09/09, 09/13, 12/09, 12/10
Reporting Units:	ug/L	Date(s) Analyzed:	3/11/2021, 03/15, 06/10, 06/11,09/14, 12/10, 12/13
		Date Calculated:	3/15/2021, 03/16, 06/10, 06/14, 09/15, 12/13, 12/14
		Calculation Analyst:	TL, MG

Analyte	(StdDev*2.998) **MDL**	(2*MDL) **PQL**	(5*MDL) **PQL**	**Std Dev**	**Mean**	**Spike Level**	**% Rec.**	**Reporting Limit**	**RL Check vs. 2*MDL**
Diesel	5.33	10.7	26.7	1.78	22.6	25	91	50	OK
Diesel extended	29.0	58.0	145.0	9.67	40.6	25	162	250	OK

MDL Data and Calculations

(Analyst: Do not enter anything in this worksheet. See instructions.)

Analysis:	NWTPH-Dx/8015M	Standard(s) spiked:	1000ppm MO 64-148B
Matrix:	water	Volume spiked:	100 uL
Instrument ID:	GC#1	Date(s) Extracted:	10/6/2021, 12/09, 12/10, 12/13, 12/29, 01/03/2022
Reporting Units:	ug/L	Date(s) Analyzed:	10/8/2021, 12/10, 12/13, 12/14, 12/30, 01/04/2022
		Date Calculated:	10/11/2021, 12/13, 12/14, 12/15, 01/03/2022, 01/05
		Calculation Analyst:	MG

Analyte	(StdDev*2.998 **MDL**	(2*MDL) **PQL**	(5*MDL) **PQL**	**Std Dev**	**Mean**	**Spike Level**	**% Rec.**	**Reporting Limit**	**RL Check vs. 2*MDL**
Motor Oil	36.8	73.5	184	12.3	100	100	100	250	OK
Heavy Oil	36.2	72.4	181	12.1	97	100	97	250	OK

NWTPH-Dx
Sequence Tables

equence: C:\HPCHEM\1\SEQUENCE\08-23-22.SEQ

AWB 8124

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1		BAKEOUT	1	1	1
	2		DX	2	3	1
	3		DX	6	18	1
	4		DX	81	86	1
	5		DX	4	5	1
	6		DX	19	27	1
	7		DX	2	3	1
	8		DX	28	36	1
	9		DX	4	5	1
	10		DX	37	43	1
	11		DX	2	3	1
	12		DX	44	48	1
	13		DX	4	5	1
	14		END	1	1	1
REAR						
	1					

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	MeCl2			
2	500 MO 67-56B			
3	500 Dx 66-186F			
4	1000 MO 67-1F			
5	1000 Dx 66-186E			
6	02-2025 mb			
7	02-2025 lcs			
8	208310-01			
9	208312-01 ms			
10	208312-01 md			
11	208312-01			
12	208312-02			
13	208312-03			
14	208312-04			
15	208328-01			
16	208328-02			
17	208328-03			
18	208328-04			
19	02-2026 mb			
20	02-2026 lcs			
21	208329-01 ms			
22	208329-01 md			
23	208329-01			
24	208329-02			
25	208329-03			
26	208329-04			
27	208329-05			
28	208327-01			
29	208327-02			
30	208327-03			
31	208327-04			

1-28
29-31

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
32	208327-05			
33	208327-06			
34	208327-07			
35	208327-08			
36	208327-09			
37	208330-01			
38	208330-02			
39	208330-03			
40	208330-04			
41	208330-05			
42	208330-06			
43	208330-07			
44	208344-01			
45	208344-02			
46	208345-01			
47	208345-02			
48	208345-03			
81	208333-01			
82	208333-02			
83	208333-03			
84	208333-04			
85	208333-05			
86	208333-06			
90	500 TO 66-166D			
91	1000 TO 66-166E			
92	500 MO 67-56B			
93	500 Dx 66-186F			
94	1000 MO 67-1F			
95	1000 Dx 66-186E			
96	HCIDs G/M 64-85A			
97	HCIDs Dx 64.13E			
98	HCIDw G/M 64-86A			
99	HCIDw Dx 64.13D			
100	WADF RT 60-106B			

NWTPH-Dx
Checklists

Diesel Summary Checklist for GC 1 Date 8.23.22

Day of Analysis/Morning Checklist

- ☑ Check/Fill rinse vials and solvent
- ☑ Same Day Rush samples processed
- ☑ QA 1 Processed 2025 ☑ QA 2 Processed 2026
- ☐ QA 3 Processed ____ ☐ QA 4 Processed ____
- ☑ Pull/Check Vials
- (Y) / N Did all Surrogates pass except sample 208345-02.

CCVs

(Check if passed)

CCV 1	☑ mo	☑ dx
CCV 2	☑ mo	☑ dx
CCV 3	~~☐ mo~~	~~☐ dx~~
CCV 4	☑ mo	☑ dx
CCV 5	☑ mo	☑ dx
CCV 6	☑ mo	☑ dx

Data Processing

- (Y) / N Were all CCVs within 12 hours
- ☑ Reintegrations marked and done
- ☑ Cgrams printed
- ☑ Excel Sheet filled out
- ☑ Macro Run
- ☑ Part Reports finished/Ready for Review

Data Review

- Y / N Reintegrations calculated correctly
- Y / N Excel Sheet Filled out correctly
- Y / N Headers Correct
- Y / N Correct Matrix/Units
- Y / N Was EDD info added
- Y / N Was QC calculated correctly

Samples to be Reanalyzed

8.24

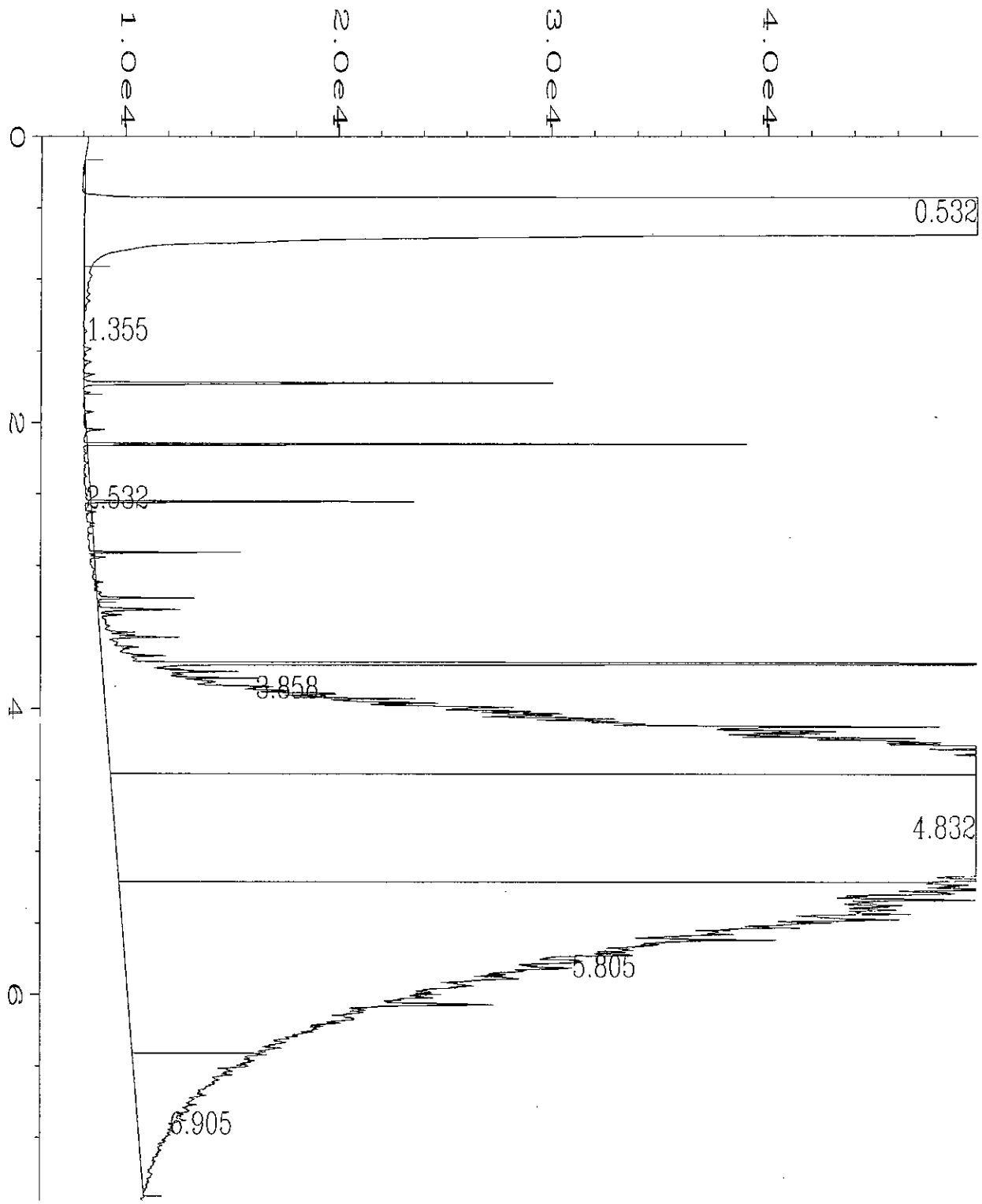
208345-02 Bad Inject.

Samples to be Reanalyzed

Date/Time Finished Processing Data Pack 8.24.22 @ 10:24

Date/Time Finished Reviewing Data Pack 8/24/22

NWTPH-Dx
CCVs



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\002F0201.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 2
Sample Name	: 500 MO 67-56B	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 23 Aug 22 06:12 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 06:26 AM	Analysis Method	: DX.MTH

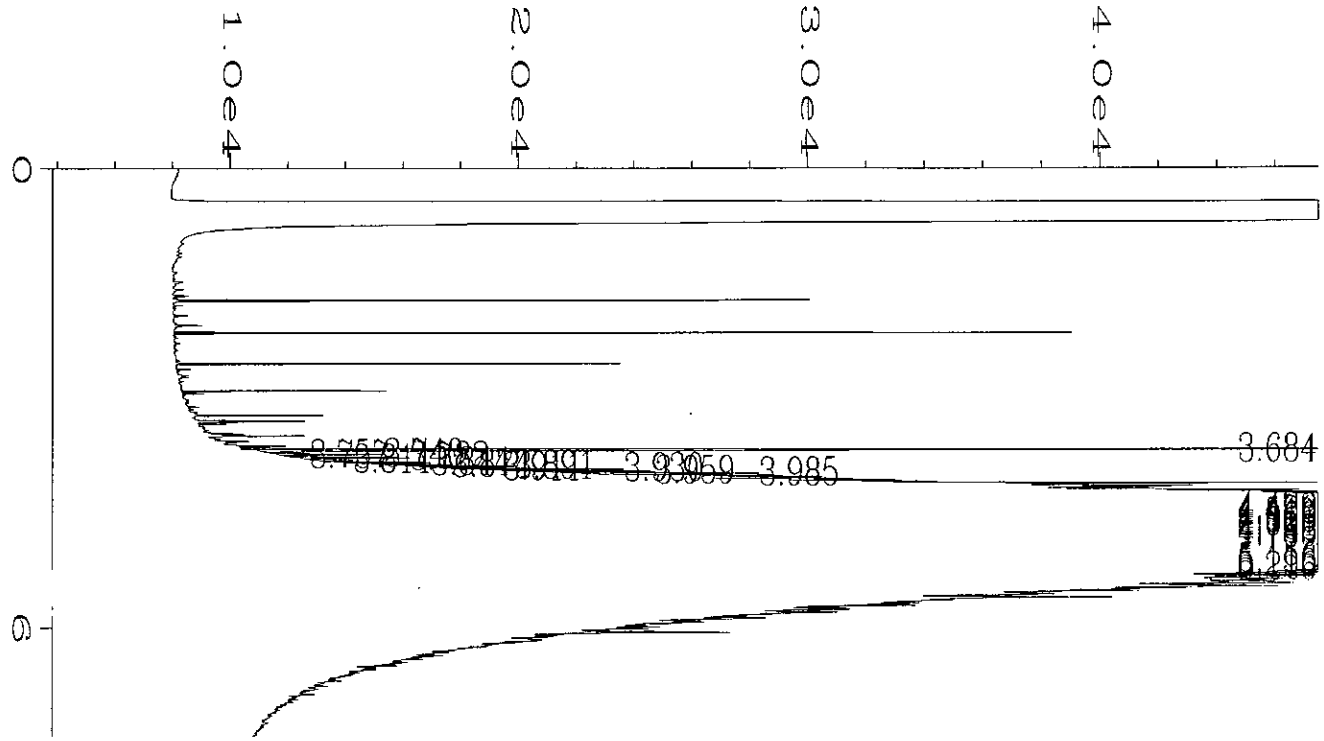
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08-23-22\002F0201.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 23 Aug 22 06:12 AM
Report Created on: 23 Aug 22 06:27 AM
Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\002F0201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.09923E+009	9.77716E+007	PVA	0.187	99.5123
2	1.355	18482	18323	VV +	0.000	0.0017
3	2.532	16439	23867	PV +	0.000	0.0015
4	3.858	1319065	189993	PV +	0.000	0.1194
5	4.832	2418238	228301	VVA	0.177	0.2189
6	5.805	1491021	43346	VVA	0.573	0.1350
7	6.905	123443	5841	VV +	0.000	0.0112

Total area = 1.10462E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\002R0201.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 23 Aug 22 06:12 AM
Report Created on: 23 Aug 22 06:27 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\002R0201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.684	128222	252486	BV	0.008	25.5214
2	3.740	2588	3752	PV	0.011	0.5152
3	3.757	443	809	VV	0.009	0.0882
4	3.782	1937	4023	PV	0.008	0.3856
5	3.811	1586	1248	VV	0.018	0.3158
6	3.844	2463	2852	PV	0.014	0.4903
7	3.874	2021	2088	VV	0.015	0.4022
8	3.891	2936	3634	VV	0.013	0.5845
9	3.911	1030	2174	VV	0.008	0.2051
10	3.930	2490	5235	PV	0.008	0.4955
11	3.959	3025	4365	VV	0.012	0.6020
12	3.985	7181	6037	VBA	0.018	1.4293
13	4.439	4443	7363	VV	0.010	0.8843
14	4.473	126020	237731	PV	0.008	25.0830
15	4.496	4487	7701	VV	0.010	0.8930
16	4.517	32045	31004	VV	0.016	6.3782
17	4.569	31650	15423	VV	0.028	6.2997
18	4.598	6258	9661	VV	0.011	1.2455
19	4.615	21650	17365	VV	0.021	4.3091
20	4.651	32515	28011	VV	0.017	6.4719

21	4.703	27670	12039	VV	0.031	5.5074
22	4.732	6709	8580	VV	0.013	1.3353
23	4.748	15369	10432	VV	0.025	3.0590
24	4.785	22432	21196	VBA	0.016	4.4649
25	5.116	4745	4712	PV	0.015	0.9445
26	5.156	2392	3372	VV	0.012	0.4761
27	5.190	6566	10567	PV	0.010	1.3069
28	5.226	1538	1999	PV	0.013	0.3062

Total area = 502410

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Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-23-22\002F0201.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 2

Sample Name : 500 MO 67-56B | Injection Number : 1

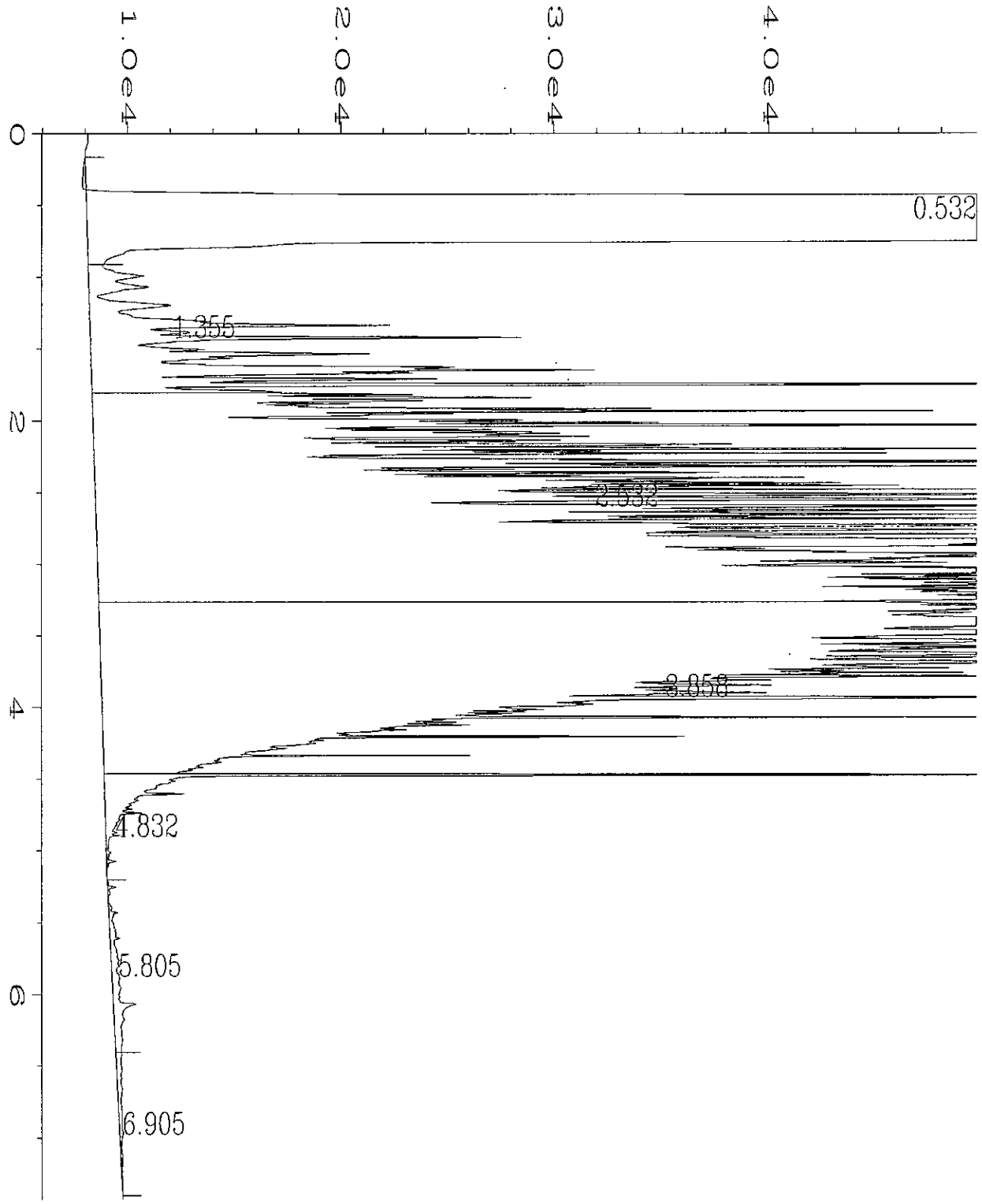
Run Time Bar Code: | Sequence Line : 2

Acquired on 8/23/22 6:12 | Instrume DX.MTH

Report Created on: 23 Aug 22 06:27 AM | Analysis Method : DX.MTH

Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
7	>5.1	<5.2	6566	9.07E+03		6/7/22
Pentacosane						
116	>4.45	<4.6	126020	1.09E+04		6/7/22
o-Terphenyl						
117	>3.65	<3.75	128222	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
140	>1.80	<4.43	1.21E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
556	>1.80	<6.40	4983955	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
583	>4.44	<6.40	3776673	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	4967516	7.42E+03		12/30/21
C12-C24						
189	>1.80	<4.50	1207282	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
4	>0.90	<3.08	34921	8.53E+03		4/18/17
Kerosene C8-C20						
122	>0.90	<4.50	1225764	1.01E+04		1/9/19
Transformer Oil						
399	>2.2	<5.20	3499500	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	4
TPHD (8-36)	578
TPHDX (8-36)	554
Motor Oil (8-36	767



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\003F0201.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 3
Sample Name	: 500 Dx 66-186F	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 23 Aug 22 06:27 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 06:41 AM	Analysis Method	: DX.MTH

Area Percent Report

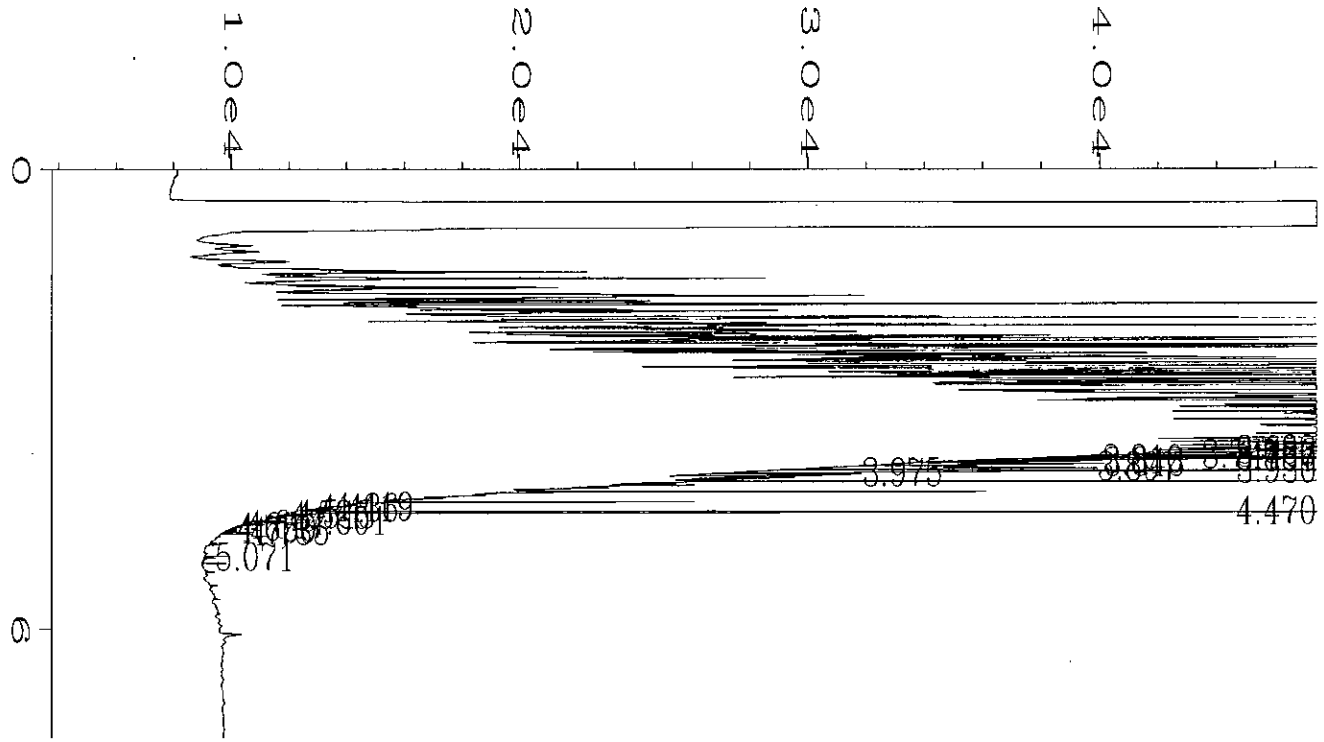
Data File Name : C:\HPCHEM\1\DATA\08-23-22\003F0201.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 66-186F
Run Time Bar Code:
Acquired on : 23 Aug 22 06:27 AM
Report Created on: 23 Aug 22 06:41 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\003F0201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16557E+009	1.00269E+008	PVA	0.194	99.5308
2	1.355	307583	66969	VV +	0.000	0.0263
3	2.532	2774338	129473	VVA	0.357	0.2369
4	3.858	2244033	235544	VVA	0.159	0.1916
5	4.832	141469	163941	VV +	0.000	0.0121
6	5.805	19779	1107	PV +	0.000	0.0017
7	6.905	7307	182	VB +	0.000	0.0006

Total area = 1.17106E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\003R0201.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 66-186F
Run Time Bar Code:
Acquired on : 23 Aug 22 06:27 AM
Report Created on: 23 Aug 22 06:41 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\003R0201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	115029	263248	BV	0.007	32.7134
2	3.726	5864	8029	PV	0.012	1.6677
3	3.744	2352	4237	PV	0.009	0.6689
4	3.757	6629	10925	VV	0.010	1.8851
5	3.783	33407	73385	VV	0.010	9.5007
6	3.810	3808	5288	VV	0.012	1.0831
7	3.843	7408	7292	PV	0.017	2.1068
8	3.897	16109	9697	VV	0.022	4.5813
9	3.930	42429	62834	VV	0.012	12.0664
10	3.975	6293	5519	VBA	0.020	1.7896
11	4.419	465	635	BV	0.014	0.1324
12	4.436	285	446	VV	0.011	0.0811
13	4.470	107570	214087	PV	0.008	30.5923
14	4.513	492	647	VV	0.012	0.1401
15	4.526	456	624	VV	0.012	0.1298
16	4.601	1400	2147	PV	0.013	0.3983
17	4.647	284	302	PV	0.016	0.0807
18	4.680	186	199	PV	0.014	0.0530
19	4.709	192	374	VV	0.009	0.0545
20	4.735	522	1028	PV	0.012	0.1485

21	5.071	444	436	BV	0.018	0.1264

Total area = 351626

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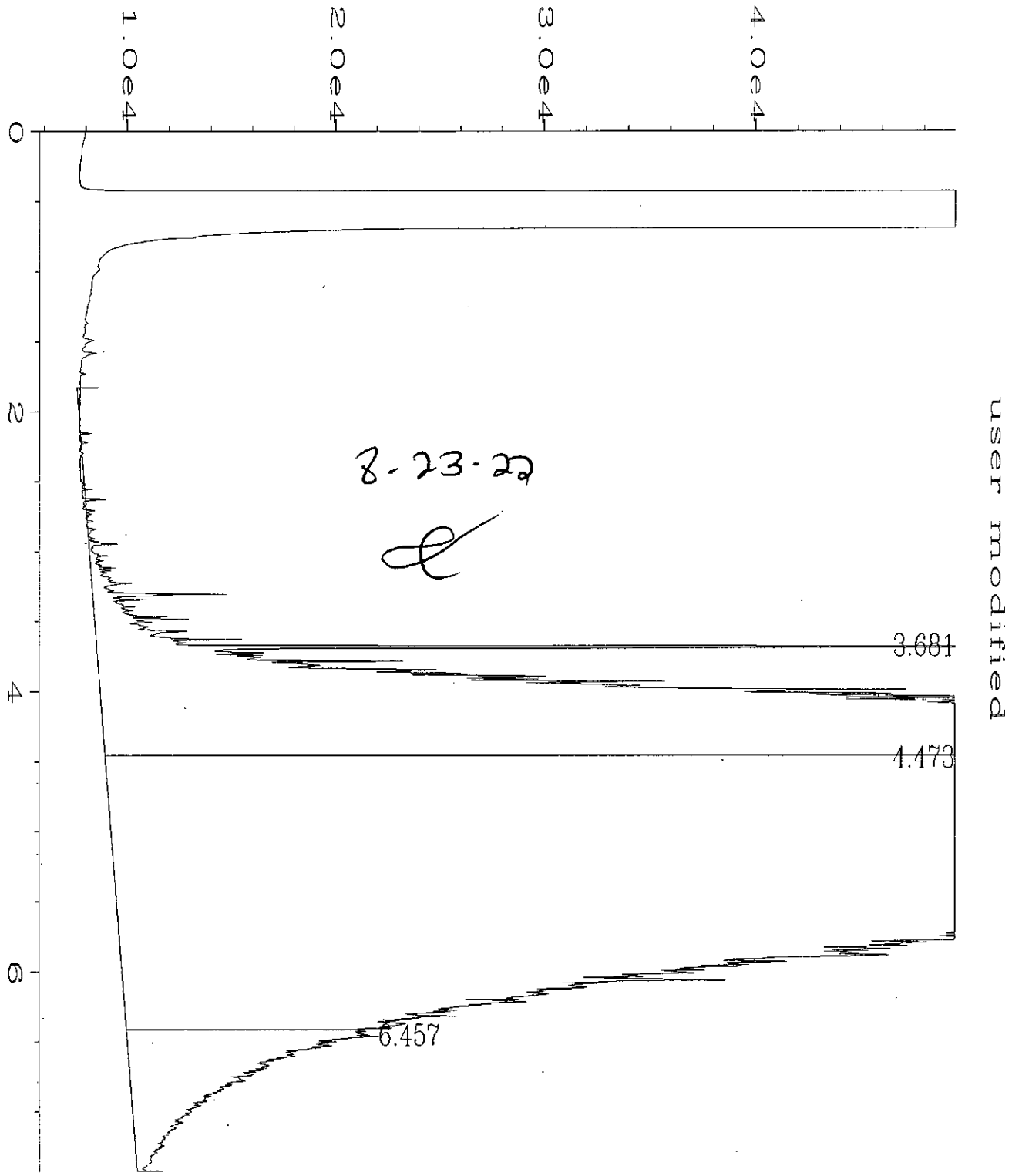
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\003F0201.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 3			
Sample Name : 500 Dx 66-186F				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 2			
Acquired on	8/23/22	6:27		Instrume	DX.MTH		
Report Created on: 23 Aug 22 06:41 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
99	>4.45	<4.6	107570	1.09E+04		6/7/22	
o-Terphenyl							
105	>3.65	<3.75	115029	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
571	>1.80	<4.43	4.90E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
553	>1.80	<6.40	4957019	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
8	>4.44	<6.40	53677	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2182681	7.42E+03		12/30/21	
C12-C24							
769	>1.80	<4.50	4903342	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
361	>0.90	<3.08	3081921	8.53E+03		4/18/17	
Kerosene C8-C20							
518	>0.90	<4.50	5210925	1.01E+04		1/9/19	
Transformer Oil							
563	>2.2	<5.20	4937241	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	361						
TPHD (8-36)	254						
TPHDX (8-36)	243						
Motor Oil (8-36	337						



Data File Name : C:\HPCHEM\1\DATA\08-23-22\004F0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 23 Aug 22 01:24 PM
Report Created on: 23 Aug 22 02:14 PM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08-23-22\004F0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 23 Aug 22 01:24 PM
Report Created on: 23 Aug 22 02:14 PM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

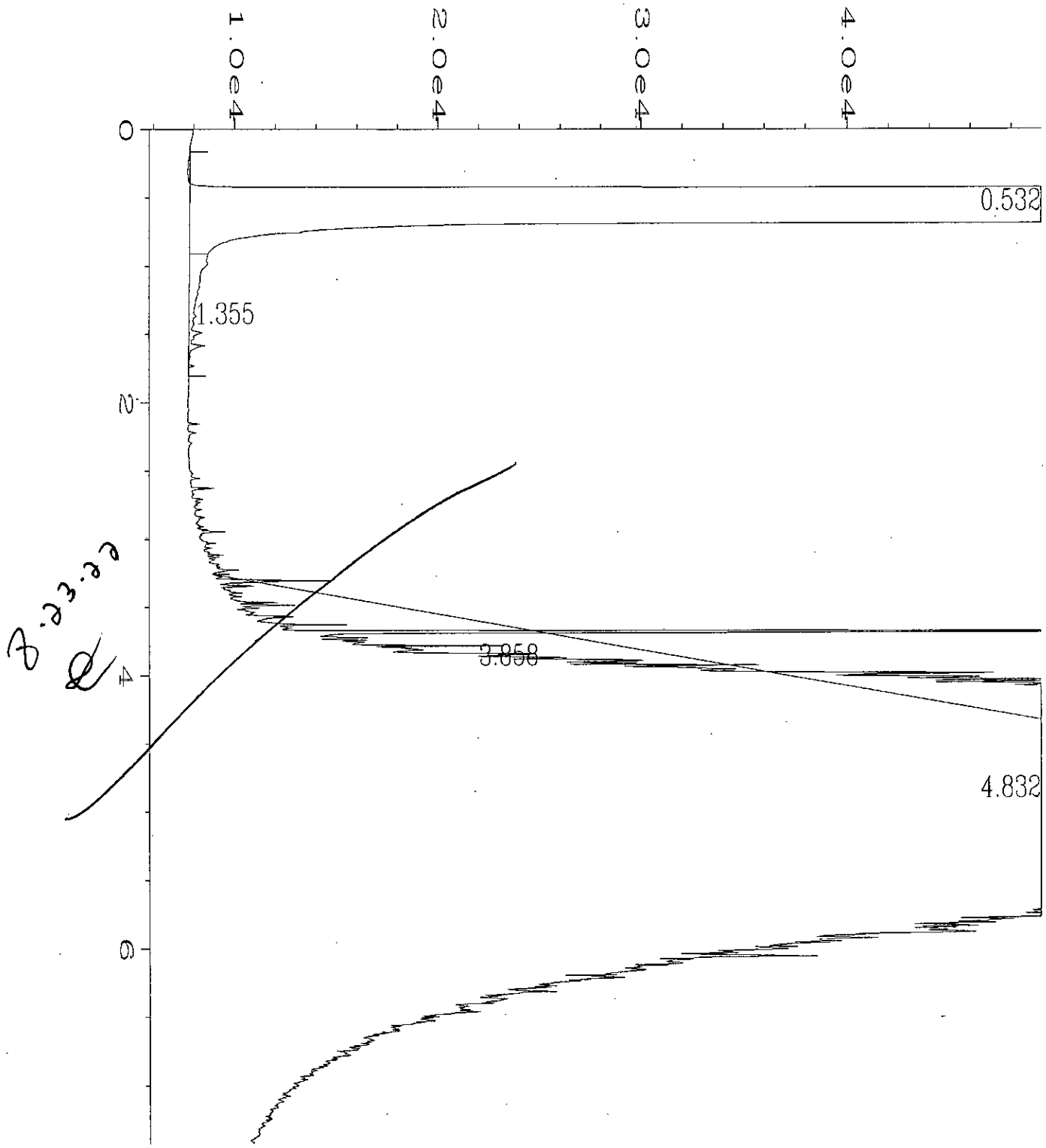
Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\004F0501.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.681	2434707	243034	MF	0.167	24.0196
2	4.473	7441024	317160	FF	0.391	73.4093
3	6.457	260620	12087	FM	0.359	2.5711

Total area = 1.01364E+007

User Modified

8.23.22



Data File Name : C:\HPCHEM\1\DATA\08-23-22\004F0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 23 Aug 22 01:24 PM
Report Created on: 23 Aug 22 01:38 PM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08-23-22\004F0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 23 Aug 22 01:24 PM
Report Created on: 23 Aug 22 01:38 PM

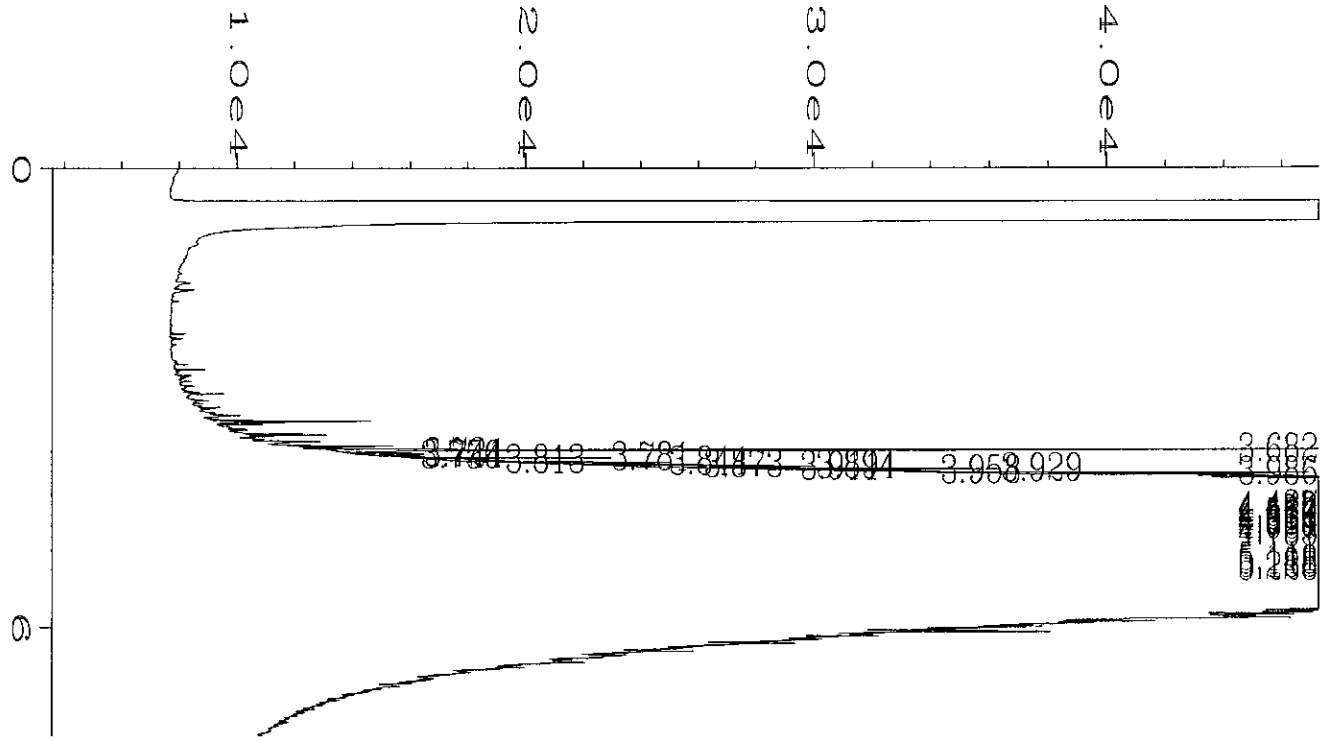
Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\004F0501.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14267E+009	9.99259E+007	BVA	0.191	99.7667
2	1.355	18735	938	VB +	0.000	0.0016
3	3.858	778807	195482	PV +	0.000	0.0680
4	4.832	1874892	216477	VB +	0.000	0.1637

Total area = 1.14534E+009

8.23.22



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\004R0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 23 Aug 22 01:24 PM
Report Created on: 23 Aug 22 01:38 PM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\004R0501.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	120526	249830	BV	0.012	16.2451
2	3.724	1825	2558	VV	0.011	0.2460
3	3.741	971	2170	PV	0.007	0.1308
4	3.756	1048	1394	VV	0.013	0.1413
5	3.781	3689	7342	VV	0.008	0.4972
6	3.813	2928	2048	VV	0.020	0.3946
7	3.844	5436	5713	PV	0.014	0.7326
8	3.873	3062	4125	VV	0.012	0.4127
9	3.894	5806	6132	VV	0.015	0.7825
10	3.911	2121	4179	VV	0.008	0.2859
11	3.929	4459	9042	PV	0.008	0.6010
12	3.958	3137	3079	VV	0.016	0.4228
13	3.986	13624	12064	VBA	0.019	1.8363
14	4.427	335	9995	BV	0.001	0.0451
15	4.440	9072	12562	VV	0.012	1.2228
16	4.474	153171	222552	PV	0.014	20.6451
17	4.520	58782	57470	VV	0.015	7.9229
18	4.556	26907	25332	VV	0.018	3.6266
19	4.572	39931	34954	VV	0.018	5.3821
20	4.613	46934	33005	VV	0.021	6.3261

21	4.634	12452	18350	VV	0.011	1.6784
22	4.651	59610	58934	VV	0.017	8.0346
23	4.686	54795	24725	VV	0.031	7.3855
24	4.737	34869	15754	VV	0.037	4.6998
25	4.785	43316	43772	VBA	0.015	5.8384
26	5.111	9727	8314	PV	0.019	1.3111
27	5.148	6472	6046	VV	0.018	0.8723
28	5.188	12929	18638	PV	0.012	1.7427
29	5.228	3988	5941	VV	0.011	0.5375

Total area = 741922

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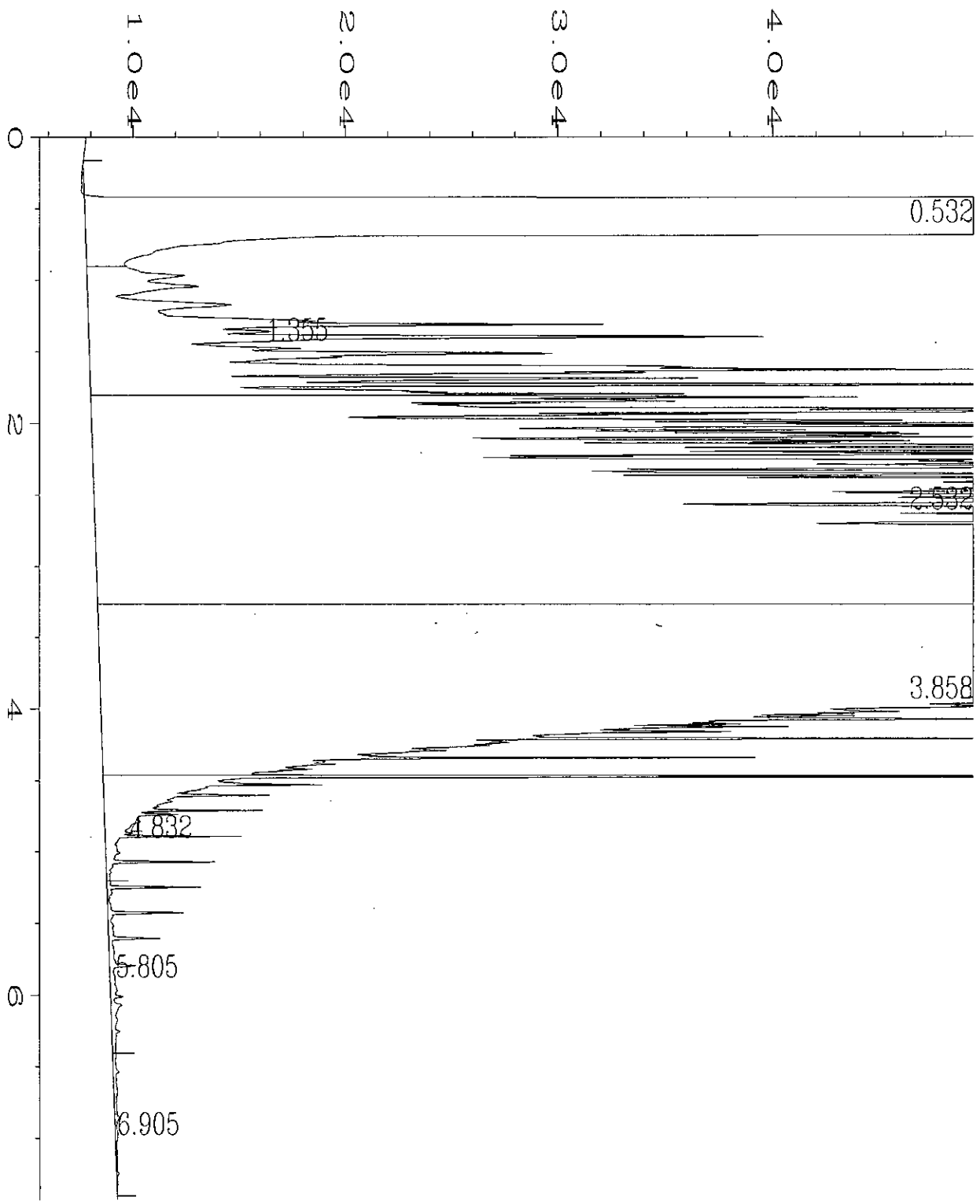
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\004F0501.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 4			
Sample Name : 1000 MO 67-1F				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 5			
Acquired on	8/23/22	13:24		Instrume	DX.MTH		
Report Created on: 23 Aug 22 01:38 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
14	>5.1	<5.2	12929	9.07E+03		6/7/22	
Pentacosane							
141	>4.45	<4.6	153171	1.09E+04		6/7/22	
o-Terphenyl							
110	>3.65	<3.75	120526	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
77	>1.80	<4.43	6.58E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
264	>1.80	<6.40	2367073	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36			~~1767287853~~ 7287853				
11 26 ~~264~~	>4.44	<6.40	~~1708792~~	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2367073	7.42E+03		12/30/21	
C12-C24							
103	>1.80	<4.50	658281	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
2	>0.90	<3.08	18735	8.53E+03		4/18/17	
Kerosene C8-C20							
67	>0.90	<4.50	677016	1.01E+04		1/9/19	
Transformer Oil							
272	>2.2	<5.20	2380002	8.76E+03		3/24/21	

Calibration Info:	
Stoddard (8-11)	2
TPHD (8-36)	275
TPHDX (8-36)	264
Motor Oil (8-36	366

8.23.22



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\005F0501.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 5
Sample Name	: 1000 Dx 66-186E	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 5
Acquired on	: 23 Aug 22 01:39 PM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 01:58 PM	Analysis Method	: DX.MTH

Area Percent Report

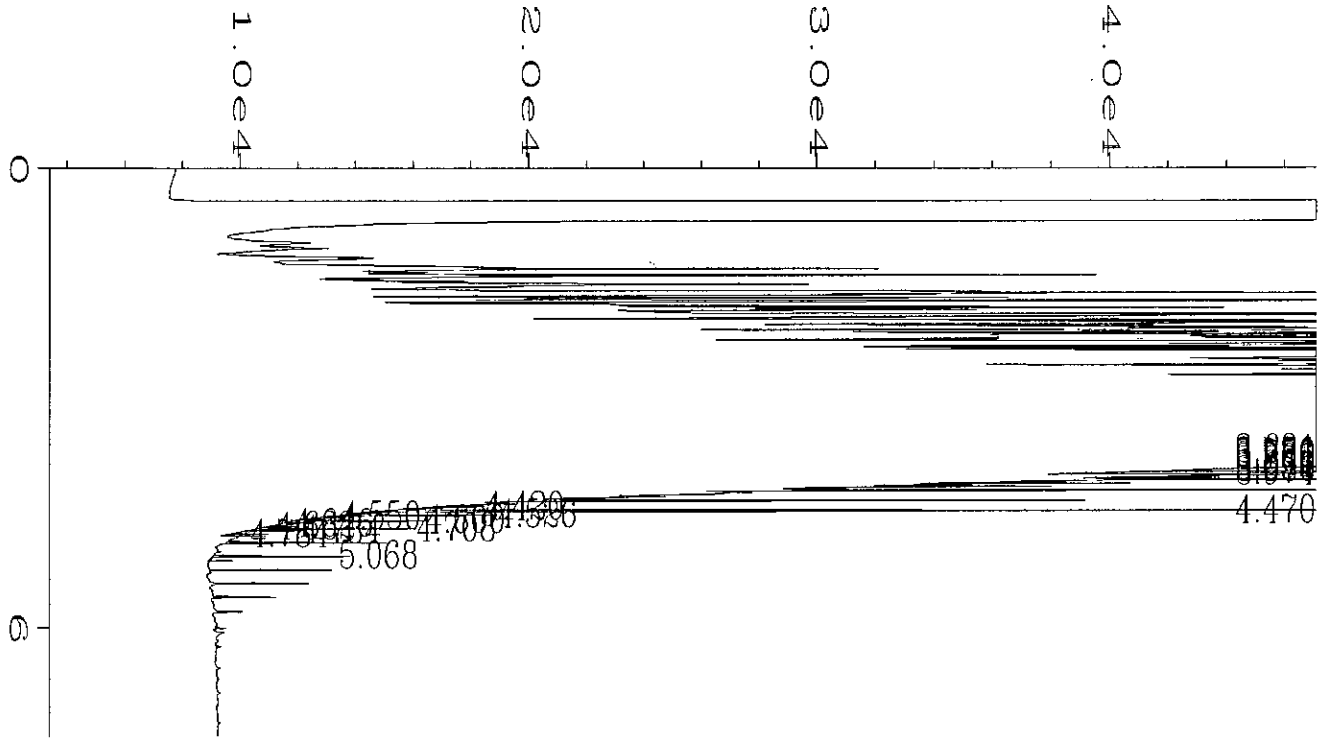
Data File Name : C:\HPCHEM\1\DATA\08-23-22\005F0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 23 Aug 22 01:39 PM
Report Created on: 23 Aug 22 01:58 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\005F0501.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.06882E+009	9.5203E+007	PV +	0.000	99.0851
2	1.355	605435	99356	VV +	0.000	0.0561
3	2.532	5057644	256786	VVA	0.328	0.4689
4	3.858	3985269	267698	VVA	0.248	0.3695
5	4.832	191160	159571	VV +	0.000	0.0177
6	5.805	23095	4041	VV +	0.000	0.0021
7	6.905	5847	198	VB +	0.000	0.0005

Total area = 1.07869E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\005R0501.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 23 Aug 22 01:39 PM
Report Created on: 23 Aug 22 01:58 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\005R0501.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.681	100749	223716	BV	0.008	21.8884
2	3.724	13200	13899	PV	0.016	2.8678
3	3.739	5450	9146	VV	0.010	1.1841
4	3.756	13554	19758	VV	0.012	2.9447
5	3.782	62854	133364	VV	0.011	13.6555
6	3.809	6907	9047	VV	0.013	1.5005
7	3.841	21327	12550	PV	0.023	4.6334
8	3.897	23646	19037	VV	0.021	5.1373
9	3.930	78908	109895	VV	0.013	17.1433
10	3.974	13165	10820	VBA	0.020	2.8601
11	4.420	1194	1744	BV	0.011	0.2593
12	4.470	102009	197292	PV	0.008	22.1622
13	4.526	3543	5638	PV	0.012	0.7697
14	4.550	939	550	VV	0.028	0.2041
15	4.600	3170	4648	PV	0.011	0.6887
16	4.646	651	564	VV	0.017	0.1414
17	4.682	276	421	VV	0.011	0.0599
18	4.708	3366	5955	VV	0.009	0.7314
19	4.734	1796	2014	VV	0.015	0.3902
20	4.784	449	814	VBA	0.011	0.0976

21	5.068	3132	5030	BV	0.010	0.6804

Total area = 460284

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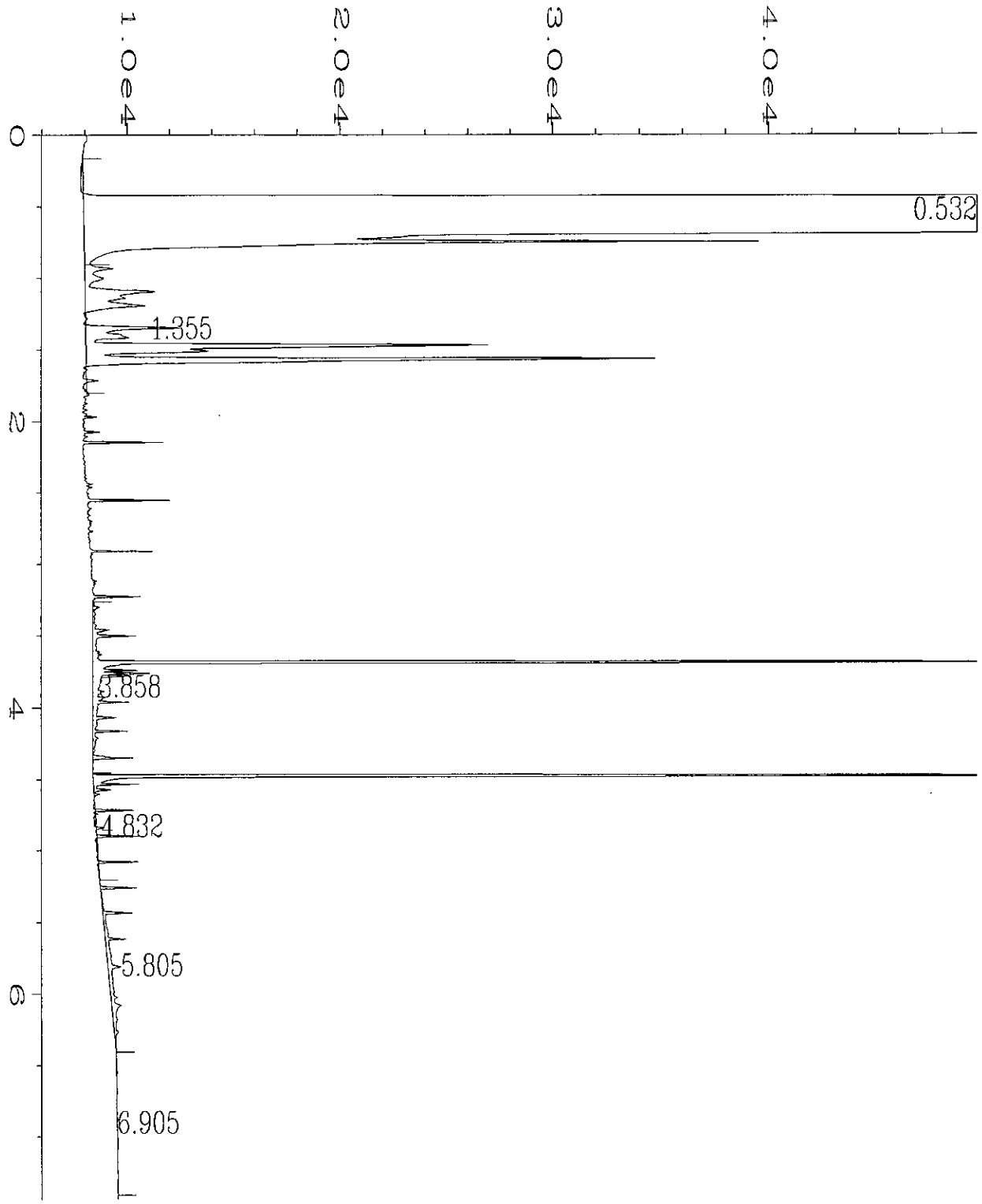
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\005F0501.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 5			
Sample Name : 1000 Dx 66-186E				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 5			
Acquired on	8/23/22	13:39		Instrume	DX.MTH		
Report Created on: 23 Aug 22 01:58 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
94	>4.45	<4.6	102009	1.09E+04		6/7/22	
o-Terphenyl							
92	>3.65	<3.75	100749	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1041	>1.80	<4.43	8.94E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
1009	>1.80	<6.40	9054409	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
17	>4.44	<6.40	112245	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	3996765	7.42E+03		12/30/21	
C12-C24							
1403	>1.80	<4.50	8942164	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
664	>0.90	<3.08	5663079	8.53E+03		4/18/17	
Kerosene C8-C20							
948	>0.90	<4.50	9547599	1.01E+04		1/9/19	
Transformer Oil							
1030	>2.2	<5.20	9031315	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	664						
TPHD (8-36)	465						
TPHDX (8-36)	446						
Motor Oil (8-36	617						

NWTPH-Dx
Quality Assurance Data



Data File Name : C:\HPCHEM\1\DATA\08-23-22\006F0301.D
Operator : TL
Instrument : GC1
Sample Name : 02-2025 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 08:04 AM
Report Created on: 23 Aug 22 08:13 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

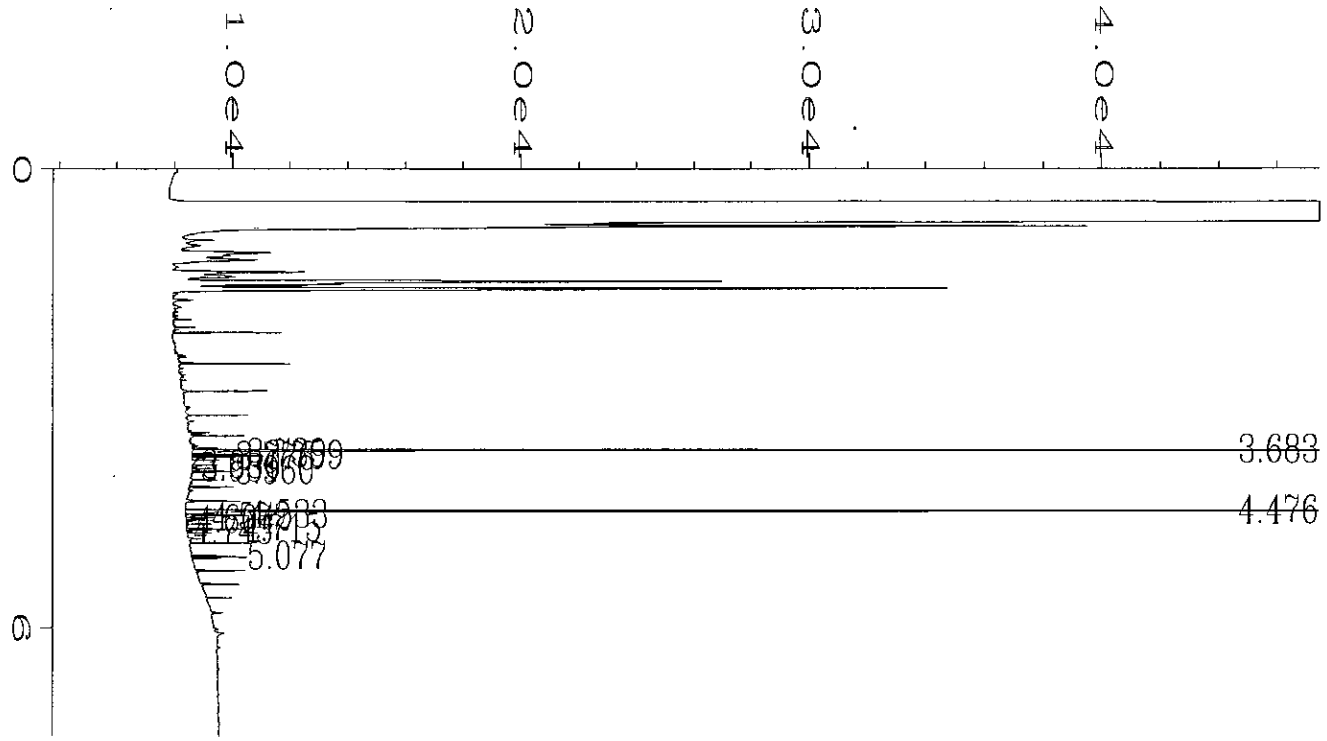
Data File Name : C:\HPCHEM\1\DATA\08-23-22\006F0301.D
Operator : TL
Instrument : GC1
Sample Name : 02-2025 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 08:04 AM
Report Created on: 23 Aug 22 08:13 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\006F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.09401E+009	9.67406E+007	PV +	0.000	99.9688
2	1.355	113627	26419	VV +	0.000	0.0104
3	3.858	125302	179832	BV +	0.000	0.0114
4	4.832	90423	143828	PV +	0.000	0.0083
5	5.805	11904	1188	PB +	0.000	0.0011
6	6.905	302	58	BV +	0.000	0.0000

Total area = 1.09435E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\006R0301.D
Operator : TL
Instrument : GC1
Sample Name : 02-2025 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 08:04 AM
Report Created on: 23 Aug 22 08:13 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\006R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	104844	230665	BV	0.012	52.1522
2	3.739	1214	2004	VV	0.010	0.6041
3	3.759	1553	2662	VV	0.010	0.7727
4	3.776	1275	1561	VV	0.018	0.6344
5	3.886	301	320	VV	0.015	0.1498
6	3.931	317	326	VV	0.016	0.1578
7	3.960	731	1532	VV	0.008	0.3637
8	4.476	85846	171558	BV	0.016	42.7021
9	4.533	1568	2229	VV	0.014	0.7798
10	4.572	661	892	VV	0.015	0.3286
11	4.604	319	335	VV	0.016	0.1589
12	4.715	1129	2046	BV	0.009	0.5617
13	4.743	145	212	PV	0.013	0.0721
14	5.077	1130	1992	BV	0.009	0.5619

Total area = 201034

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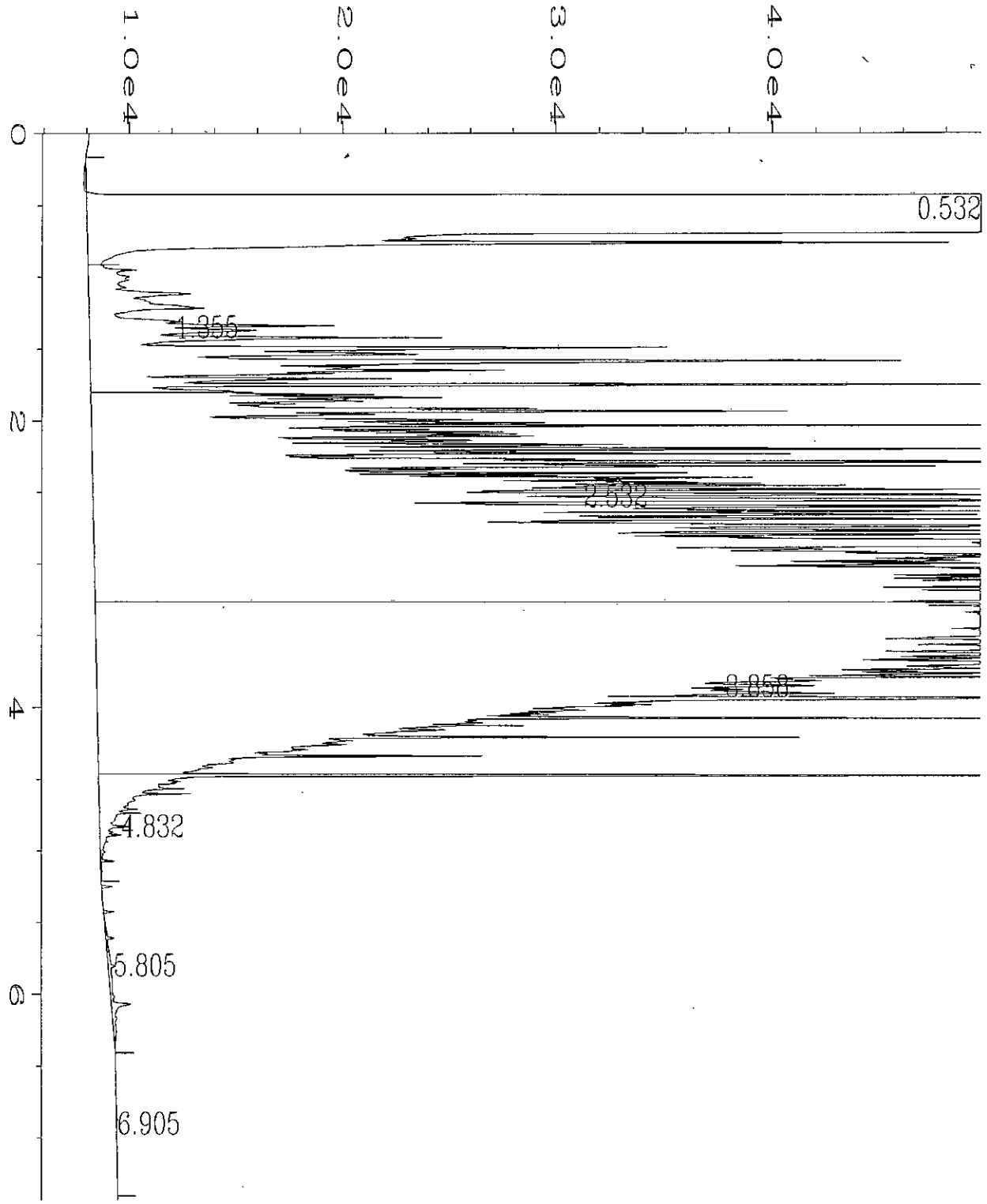
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\006F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 6			
Sample Name : 02-2025 mb				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	8:04		Instrume	DX.MTH		
Report Created on: 23 Aug 22 08:13 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
79	>4.45	<4.6	85846	1.09E+04		6/7/22	
o-Terphenyl							
96	>3.65	<3.75	104844	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
2	>1.80	<4.43	2.05E+04	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
4	>1.80	<6.40	36938	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
3	>4.44	<6.40	16480	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	36938	7.42E+03		12/30/21	
C12-C24							
3	>1.80	<4.50	20458	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
13	>0.90	<3.08	113627	8.53E+03		4/18/17	
Kerosene C8-C20							
13	>0.90	<4.50	134085	1.01E+04		1/9/19	
Transformer Oil							
3	>2.2	<5.20	25035	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	13						
TPHD (8-36)	4						
TPHDX (8-36)	4						
Motor Oil (8-36	6						



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\007F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 7
Sample Name	: 02-2025 lcs	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Aug 22 08:13 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 08:27 AM	Analysis Method	: DX.MTH

Area Percent Report

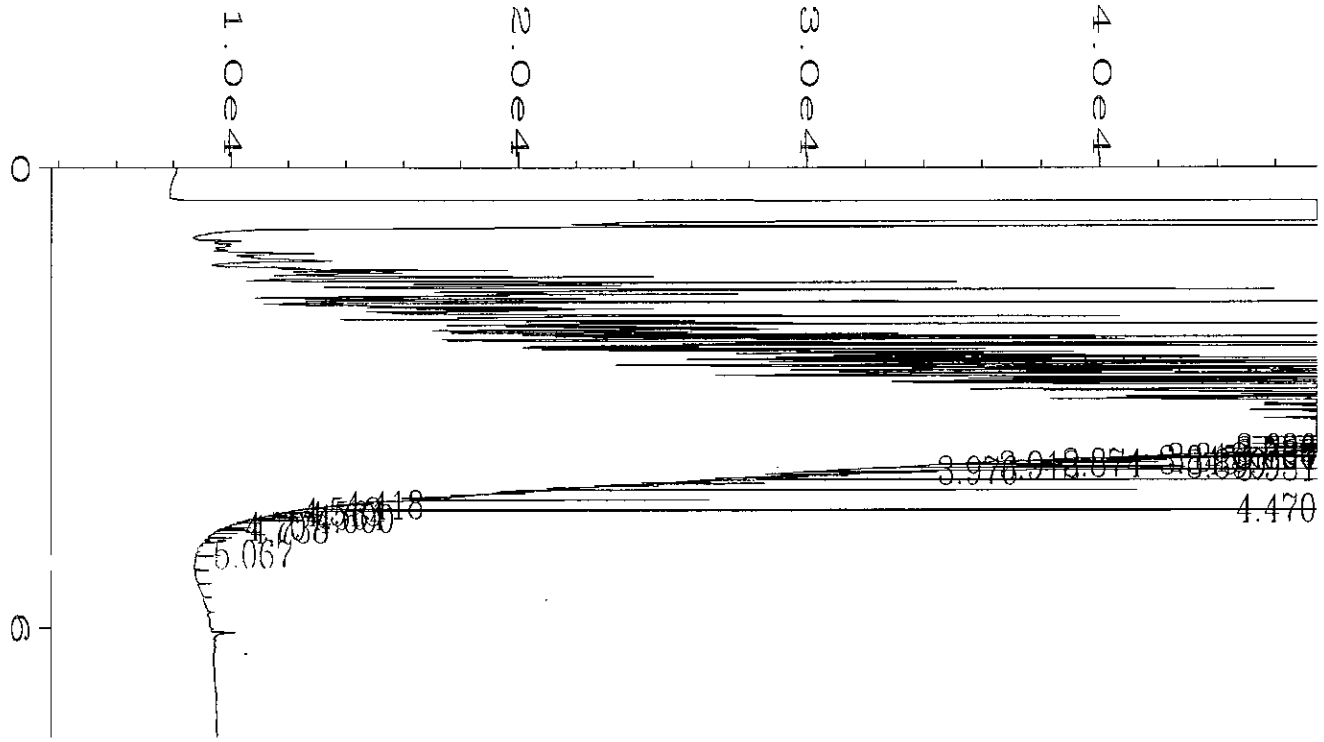
Data File Name : C:\HPCHEM\1\DATA\08-23-22\007F0301.D
Operator : TL
Instrument : GC1
Sample Name : 02-2025 lcs
Run Time Bar Code:
Acquired on : 23 Aug 22 08:13 AM
Report Created on: 23 Aug 22 08:27 AM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\007F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16746E+009	1.01033E+008	PVA	0.193	99.5116
2	1.355	360366	54067	VV +	0.000	0.0307
3	2.532	2738283	156804	VVA	0.291	0.2334
4	3.858	2471925	232244	VVA	0.177	0.2107
5	4.832	151221	180396	VVA	0.014	0.0129
6	5.805	8082	1014	PB +	0.000	0.0007
7	6.905	469	56	BV +	0.000	0.0000

Total area = 1.17319E+009



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Area Percent Report

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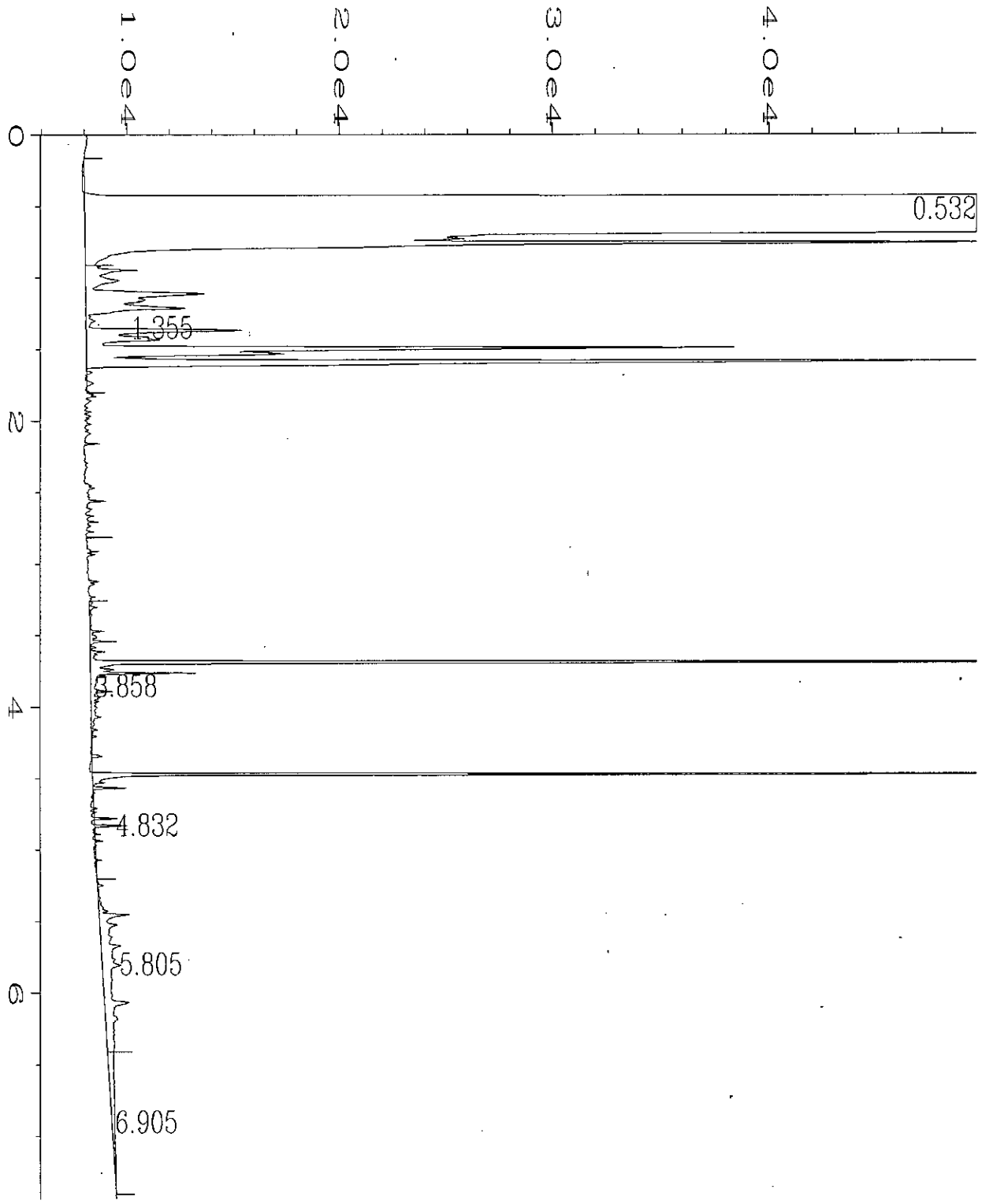
Data File Name : C:\HPCHEM\1\DATA\08-23-22\007R0301.D
Operator : TL
Instrument : GC1
Sample Name : 02-2025 lcs
Run Time Bar Code:
Acquired on : 23 Aug 22 08:13 AM
Report Created on: 23 Aug 22 08:27 AM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\007R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.686	129446	268990	BV	0.012	34.7682
2	3.728	7210	10885	VV	0.011	1.9364
3	3.760	10569	15339	PV	0.012	2.8388
4	3.784	34803	79906	VV	0.007	9.3479
5	3.813	3871	4169	VV	0.015	1.0398
6	3.845	6155	5903	PV	0.016	1.6531
7	3.874	3000	3998	VV	0.012	0.8057
8	3.899	9299	9851	VV	0.016	2.4976
9	3.912	1889	4031	VV	0.008	0.5074
10	3.931	43133	64309	PV	0.011	11.5851
11	3.976	3807	4872	VBA	0.013	1.0225
12	4.418	657	654	BV	0.017	0.1764
13	4.470	113741	223618	PV	0.008	30.5500
14	4.513	908	812	VV	0.019	0.2438
15	4.564	1043	1698	VV	0.010	0.2802
16	4.600	1292	2456	PV	0.009	0.3469
17	4.707	434	795	VV	0.009	0.1164
18	4.733	673	1150	PV	0.014	0.1808
19	5.067	383	623	BV	0.010	0.1029

Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\007F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 7			
Sample Name : 02-2025 lcs				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	8:13		Instrume	DX.MTH		
Report Created on: 23 Aug 22 08:27 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
105	>4.45	<4.6	113741	1.09E+04		6/7/22	
o-Terphenyl							
119	>3.65	<3.75	129446	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
591	>1.80	<4.43	5.08E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
572	>1.80	<6.40	5126323	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
7	>4.44	<6.40	45561	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2388040	7.42E+03		12/30/21	
C12-C24							
797	>1.80	<4.50	5080762	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
363	>0.90	<3.08	3098649	8.53E+03		4/18/17	
Kerosene C8-C20							
540	>0.90	<4.50	5441128	1.01E+04		1/9/19	
Transformer Oil							
584	>2.2	<5.20	5118242	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	363						
TPHD (8-36)	278						
TPHDX (8-36)	266						
Motor Oil (8-36	369						



Data File Name : C:\HPCHEM\1\DATA\08-23-22\008F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208310-01
Run Time Bar Code:
Acquired on : 23 Aug 22 08:27 AM
Report Created on: 23 Aug 22 08:42 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

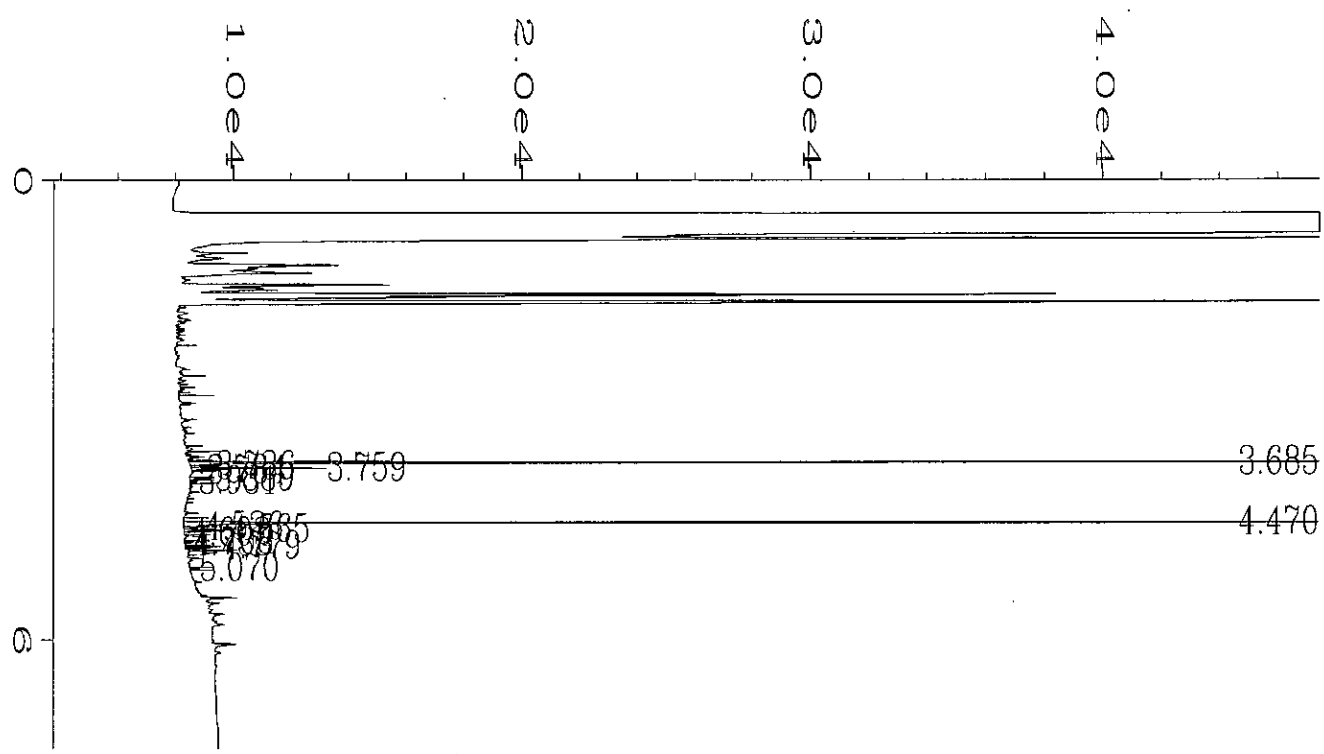
Data File Name : C:\HPCHEM\1\DATA\08-23-22\008F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208310-01
Run Time Bar Code:
Acquired on : 23 Aug 22 08:27 AM
Report Created on: 23 Aug 22 08:42 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\008F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14836E+009	1.0051E+008	PVA	0.190	99.9579
2	1.355	184275	43981	VV +	0.000	0.0160
3	3.858	149331	168340	PV +	0.000	0.0130
4	4.832	113449	161974	PV +	0.000	0.0099
5	5.805	28596	1203	PVA	0.396	0.0025
6	6.905	8247	209	VV +	0.000	0.0007

Total area = 1.14885E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\008R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208310-01
Run Time Bar Code:
Acquired on : 23 Aug 22 08:27 AM
Report Created on: 23 Aug 22 08:42 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\008R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.685	134478	268315	BV	0.012	52.7340
2	3.736	947	880	VV	0.016	0.3715
3	3.759	2583	4907	VV	0.009	1.0129
4	3.784	306	525	VV	0.010	0.1199
5	3.889	634	925	BV	0.015	0.2485
6	3.931	255	313	PV	0.015	0.0998
7	4.470	112104	219902	BV	0.014	43.9603
8	4.526	709	704	VV	0.014	0.2778
9	4.565	1242	1809	VV	0.011	0.4870
10	4.602	290	247	VV	0.020	0.1138
11	4.708	196	362	PV	0.009	0.0769
12	4.735	222	303	PV	0.012	0.0872
13	4.779	835	1326	VBA	0.010	0.3273
14	5.070	212	356	BV	0.010	0.0830

Total area = 255012

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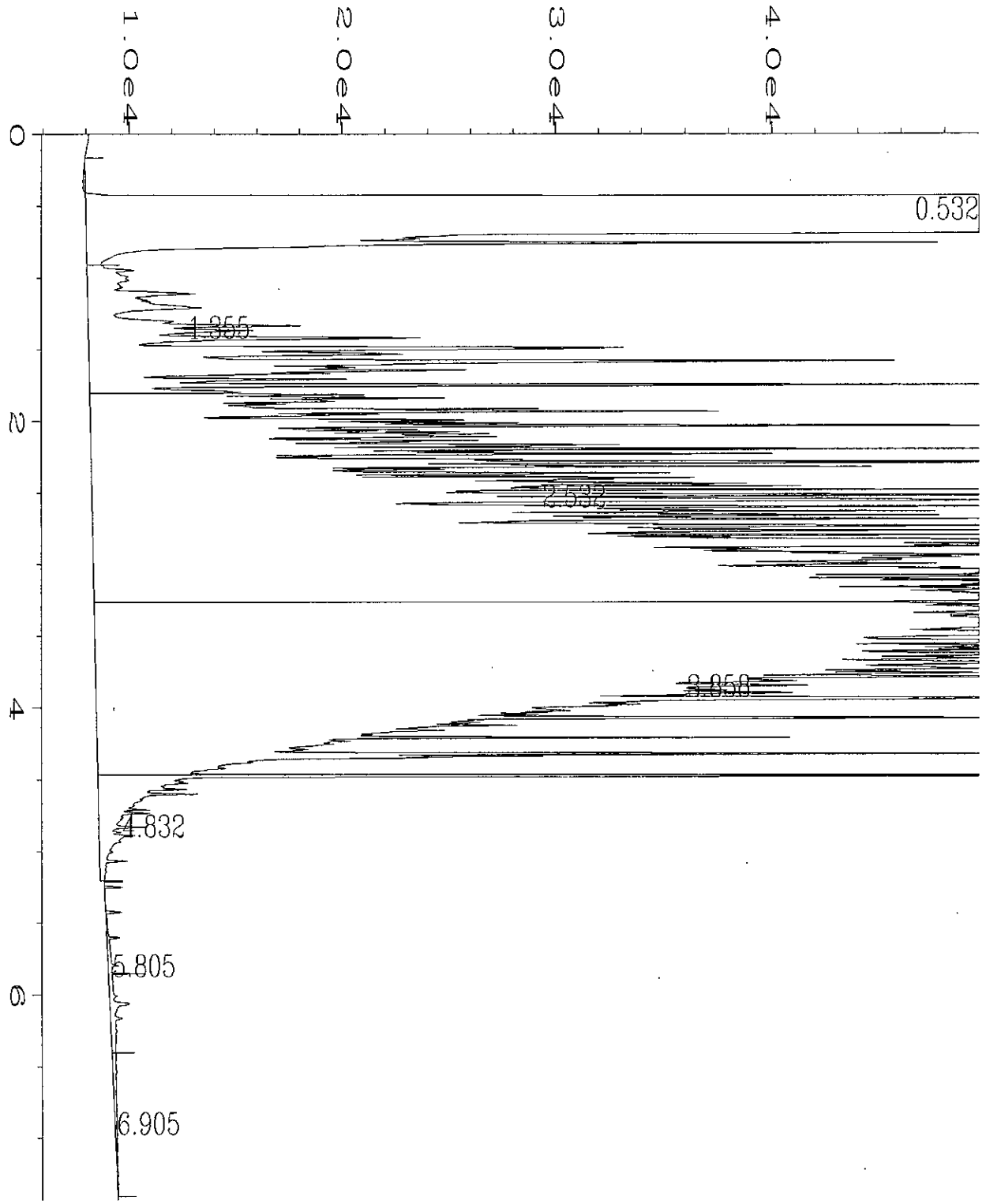
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\008F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 8			
Sample Name : 208310-01				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	8:27		Instrume	DX.MTH		
Report Created on: 23 Aug 22 08:42 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
103	>4.45	<4.6	112104	1.09E+04		6/7/22	
o-Terphenyl							
123	>3.65	<3.75	134478	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
2	>1.80	<4.43	1.49E+04	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
5	>1.80	<6.40	44793	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
5	>4.44	<6.40	29940	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	44793	7.42E+03		12/30/21	
C12-C24							
2	>1.80	<4.50	14853	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
22	>0.90	<3.08	184275	8.53E+03		4/18/17	
Kerosene C8-C20							
20	>0.90	<4.50	199128	1.01E+04		1/9/19	
Transformer Oil							
2	>2.2	<5.20	16198	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	22						
TPHD (8-36)	5						
TPHDX (8-36)	5						
Motor Oil (8-36	7						



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\009F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 9
Sample Name	: 208312-01 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Aug 22 08:42 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 08:56 AM	Analysis Method	: DX.MTH

Area Percent Report

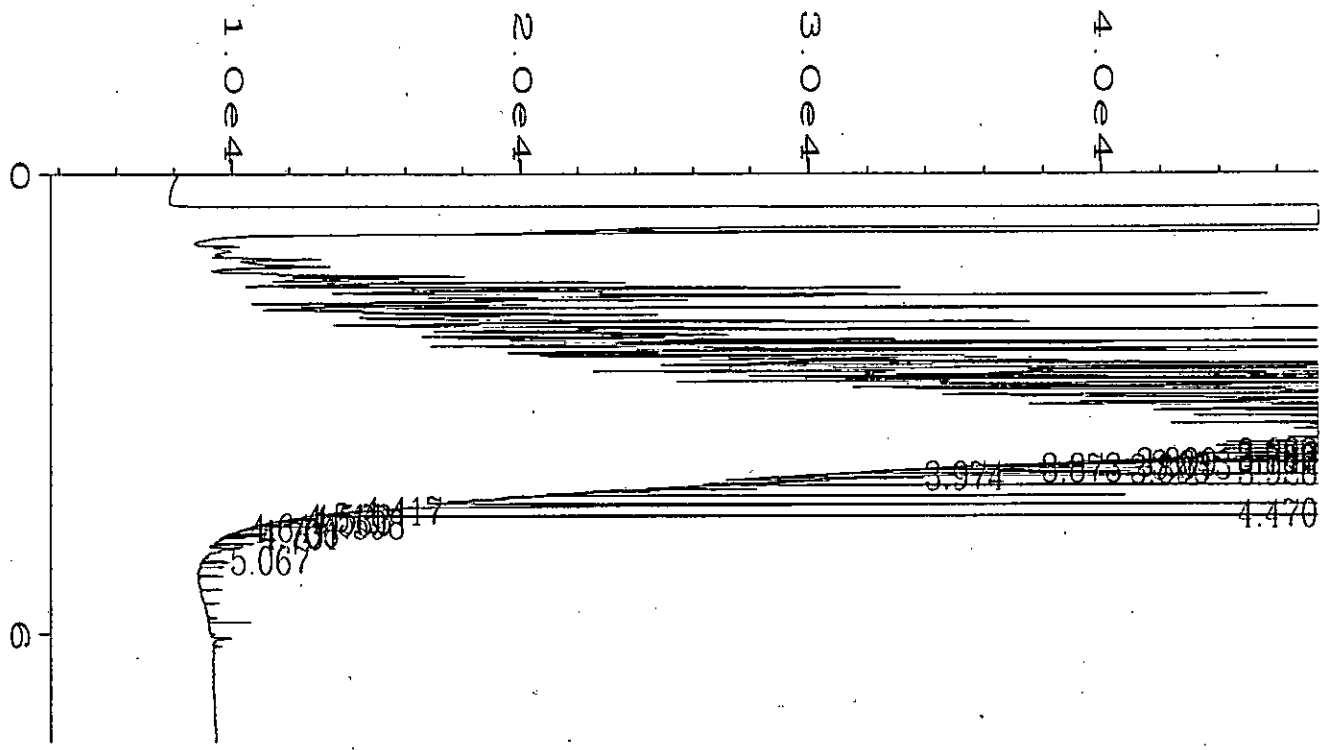
Data File Name : C:\HPCHEM\1\DATA\08-23-22\009F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01 ms
Run Time Bar Code:
Acquired on : 23 Aug 22 08:42 AM
Report Created on: 23 Aug 22 08:56 AM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\009F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14467E+009	1.0036E+008	PVA	0.190	99.5182
2	1.355	355881	42806	VV +	0.000	0.0309
3	2.532	2577253	141755	VVA	0.303	0.2241
4	3.858	2430853	231918	VVA	0.175	0.2113
5	4.832	157766	182691	VB +	0.000	0.0137
6	5.805	14101	1007	BV +	0.000	0.0012
7	6.905	5635	172	VB +	0.000	0.0005

Total area = 1.15021E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\009R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01 ms
Run Time Bar Code:
Acquired on : 23 Aug 22 08:42 AM
Report Created on: 23 Aug 22 08:56 AM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\009R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	116814	255329	BV	0.008	32.4912
2	3.726	6923	8939	PV	0.014	1.9255
3	3.742	2487	4441	VV	0.009	0.6918
4	3.757	7869	14561	VV	0.009	2.1887
5	3.782	34225	73157	VV	0.011	9.5196
6	3.809	3509	4354	VV	0.012	0.9760
7	3.843	6365	6948	PV	0.015	1.7705
8	3.873	3496	4634	VV	0.013	0.9725
9	3.895	11760	8814	VV	0.020	3.2711
10	3.928	44443	61619	VV	0.012	12.3617
11	3.974	5413	5614	VBA	0.016	1.5055
12	4.417	509	799	BV	0.011	0.1416
13	4.470	109620	216098	PV	0.012	30.4904
14	4.511	306	653	PV	0.008	0.0851
15	4.523	589	1044	VV	0.009	0.1639
16	4.562	1064	1646	VV	0.010	0.2959
17	4.598	1735	2637	PV	0.011	0.4826
18	4.641	437	269	VV	0.027	0.1216
19	4.706	622	1162	VV	0.009	0.1729
20	4.731	772	1400	PV	0.009	0.2146

21	5.067	565	1025	BV	0.009	0.1572

Total area = 359524

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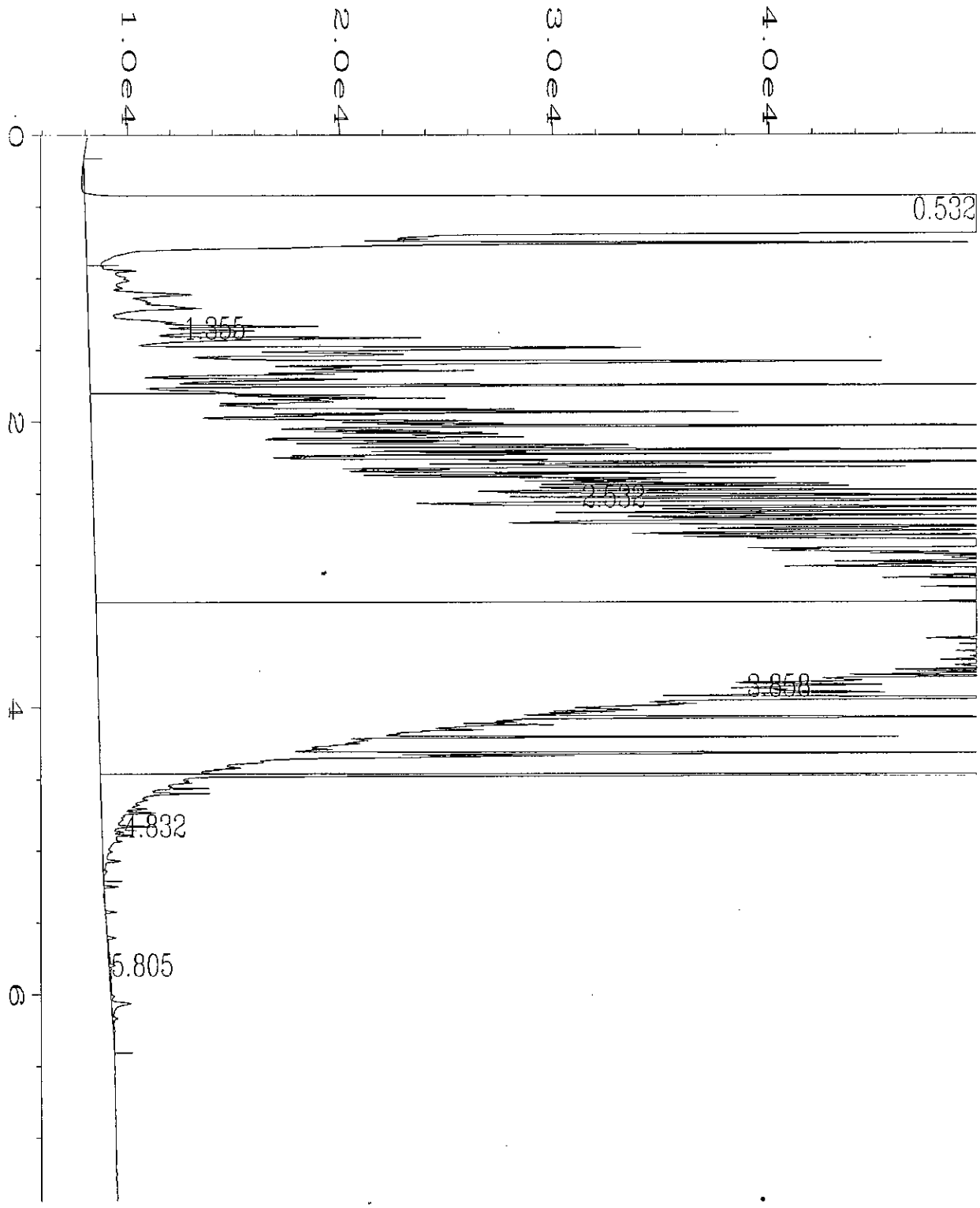
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\009F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 9			
Sample Name : 208312-01 ms				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	8:42		Instrume	DX.MTH		
Report Created on: 23 Aug 22 08:56 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
101	>4.45	<4.6	109620	1.09E+04		6/7/22	
o-Terphenyl							
107	>3.65	<3.75	116814	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
569	>1.80	<4.43	4.89E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
552	>1.80	<6.40	4953538	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
10	>4.44	<6.40	62246	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2376285	7.42E+03		12/30/21	
C12-C24							
768	>1.80	<4.50	4891292	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
344	>0.90	<3.08	2933134	8.53E+03		4/18/17	
Kerosene C8-C20							
521	>0.90	<4.50	5247173	1.01E+04		1/9/19	
Transformer Oil							
564	>2.2	<5.20	4939438	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	344						
TPHD (8-36)	277						
TPHDX (8-36)	265						
Motor Oil (8-36	367						



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\010F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 10
Sample Name	: 208312-01 md	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Aug 22 08:56 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 09:11 AM	Analysis Method	: DX.MTH

Area Percent Report

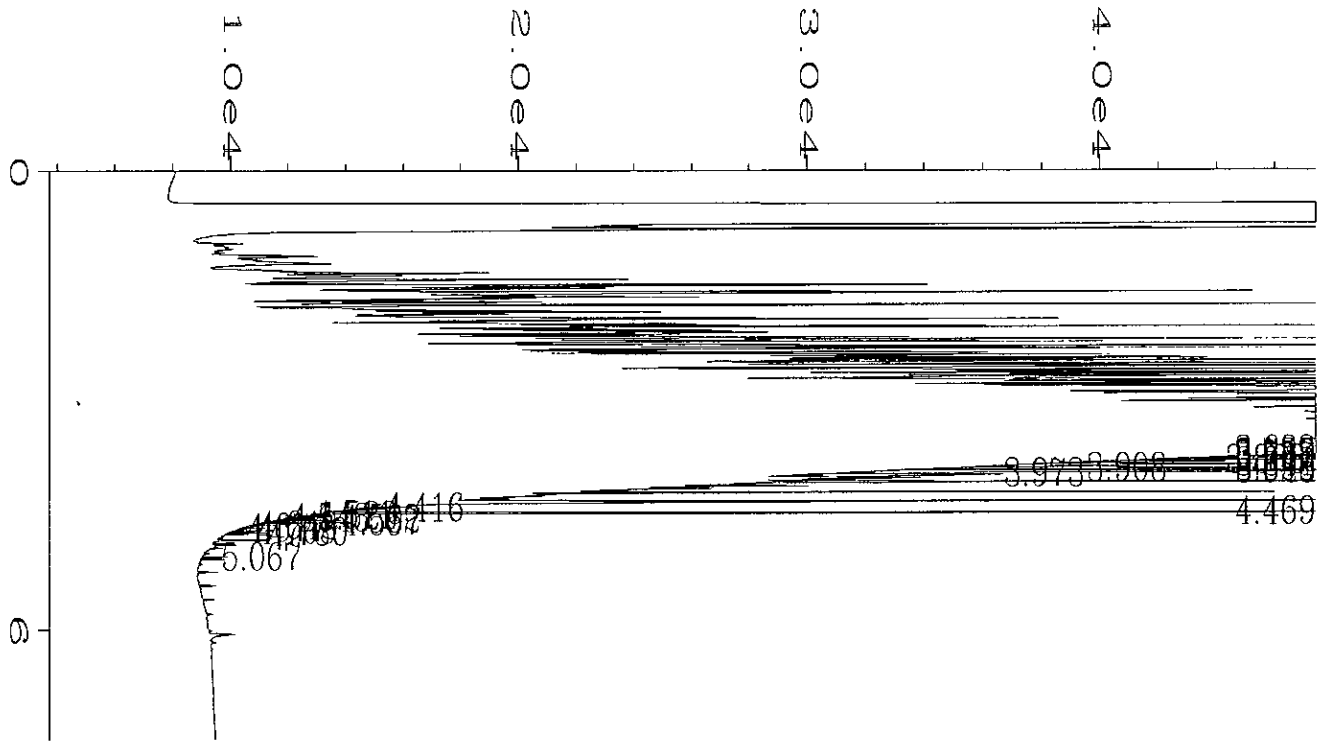
Data File Name : C:\HPCHEM\1\DATA\08-23-22\010F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01 md
Run Time Bar Code:
Acquired on : 23 Aug 22 08:56 AM
Report Created on: 23 Aug 22 09:11 AM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\010F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15052E+009	1.00357E+008	PVA	0.191	99.4776
2	1.355	354545	43134	VV +	0.000	0.0307
3	2.532	2816671	157170	VVA	0.299	0.2435
4	3.858	2701082	267922	VVA	0.168	0.2335
5	4.832	163797	211136	VVA	0.013	0.0142
6	5.805	5610	1040	PB +	0.000	0.0005

Total area = 1.15656E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\010R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01 md
Run Time Bar Code:
Acquired on : 23 Aug 22 08:56 AM
Report Created on: 23 Aug 22 09:11 AM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\010R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	127774	281491	BV	0.013	31.7683
2	3.725	6736	11012	PV	0.010	1.6748
3	3.742	3025	5563	PV	0.009	0.7521
4	3.757	8521	15492	VV	0.009	2.1185
5	3.782	38565	82005	VV	0.008	9.5884
6	3.808	5202	4448	VV	0.018	1.2935
7	3.841	12219	7980	PV	0.026	3.0379
8	3.895	11287	11195	VV	0.016	2.8064
9	3.908	3174	6052	VV	0.009	0.7891
10	3.928	50010	68001	VV	0.012	12.4340
11	3.973	7692	6571	VBA	0.018	1.9126
12	4.416	785	1067	BV	0.014	0.1952
13	4.469	121395	236237	PV	0.015	30.1823
14	4.511	277	474	VV	0.010	0.0688
15	4.523	374	834	VV	0.007	0.0931
16	4.548	128	304	PV	0.007	0.0318
17	4.562	1188	2461	VV	0.011	0.2955
18	4.597	1585	2899	PV	0.009	0.3941
19	4.643	275	383	PV	0.012	0.0684
20	4.677	204	298	PV	0.011	0.0506

21	4.705	514	939	VV	0.009	0.1278
22	4.730	795	1466	PV	0.009	0.1977
23	5.067	479	701	BV	0.011	0.1192

Total area = 402205

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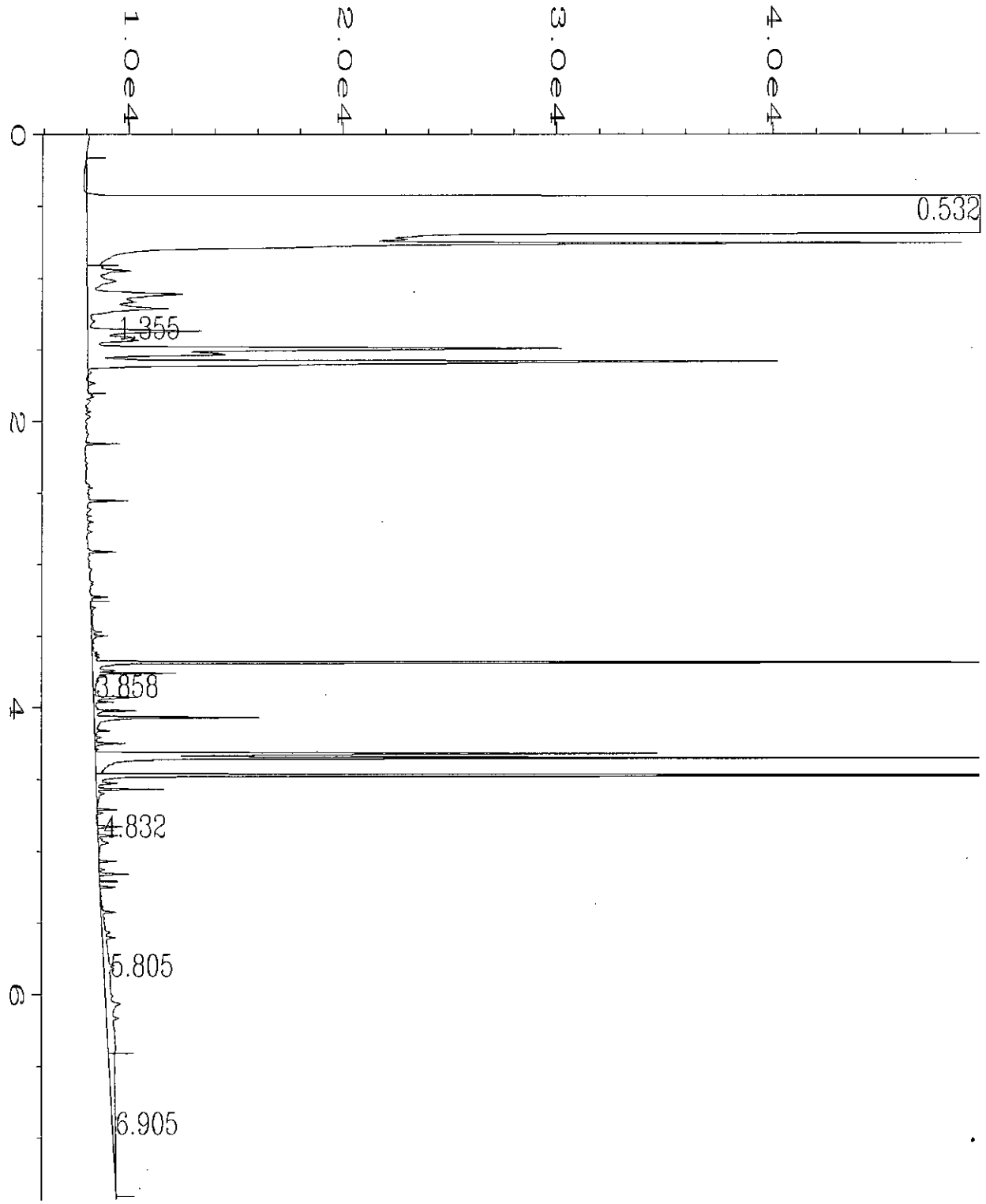
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\010F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 10			
Sample Name : 208312-01 md				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	8:56		Instrume	DX.MTH		
Report Created on: 23 Aug 22 09:11 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
112	>4.45	<4.6	121395	1.09E+04		6/7/22	
o-Terphenyl							
117	>3.65	<3.75	127774	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
627	>1.80	<4.43	5.39E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
606	>1.80	<6.40	5437990	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
7	>4.44	<6.40	48011	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2621319	7.42E+03		12/30/21	
C12-C24							
846	>1.80	<4.50	5389979	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
372	>0.90	<3.08	3171216	8.53E+03		4/18/17	
Kerosene C8-C20							
571	>0.90	<4.50	5744524	1.01E+04		1/9/19	
Transformer Oil							
620	>2.2	<5.20	5432381	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	372						
TPHD (8-36)	305						
TPHDX (8-36)	292						
Motor Oil (8-36	405						

NWTPH-Dx
Sample Chromatograms & Data



Data File Name : C:\HPCHEM\1\DATA\08-23-22\011F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01
Run Time Bar Code:
Acquired on : 23 Aug 22 09:11 AM
Report Created on: 23 Aug 22 09:25 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

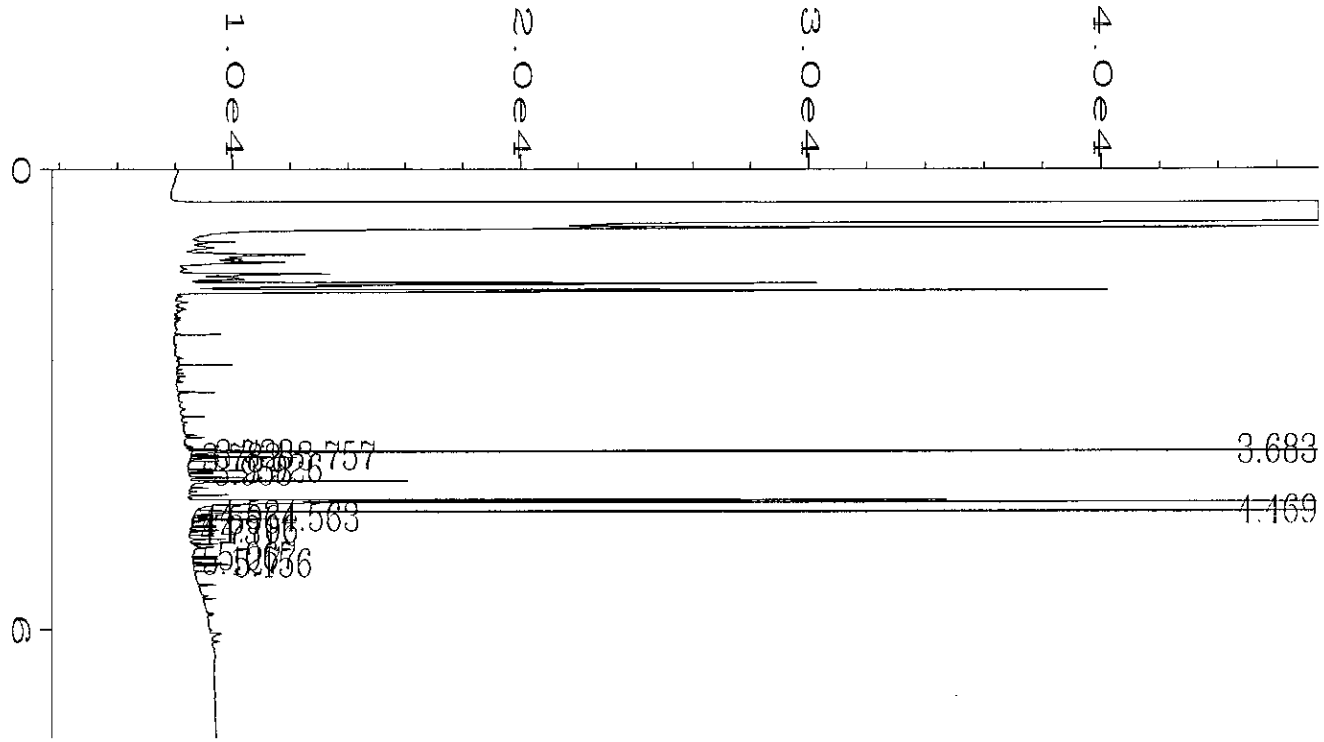
Data File Name : C:\HPCHEM\1\DATA\08-23-22\011F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01
Run Time Bar Code:
Acquired on : 23 Aug 22 09:11 AM
Report Created on: 23 Aug 22 09:25 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\011F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16459E+009	1.01563E+008	PVA	0.191	99.9617
2	1.355	134163	31714	VV +	0.000	0.0115
3	3.858	179966	181669	PV +	0.000	0.0154
4	4.832	104895	168374	VB +	0.000	0.0090
5	5.805	18604	754	BVA	0.411	0.0016
6	6.905	8147	178	VV +	0.000	0.0007

Total area = 1.16504E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\011R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-01
Run Time Bar Code:
Acquired on : 23 Aug 22 09:11 AM
Report Created on: 23 Aug 22 09:25 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\011R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	111809	229812	BV	0.008	51.3722
2	3.738	559	888	VV	0.010	0.2567
3	3.757	1864	3843	VV	0.008	0.8566
4	3.782	265	416	VV	0.014	0.1217
5	3.926	1322	1989	PV	0.013	0.6072
6	3.958	448	901	VV	0.008	0.2059
7	4.469	96505	190560	PV	0.012	44.3405
8	4.524	615	937	VV	0.011	0.2827
9	4.563	1612	3188	PV	0.008	0.7407
10	4.596	353	313	PV	0.017	0.1621
11	4.706	545	1035	BV	0.009	0.2506
12	4.731	201	331	PV	0.010	0.0923
13	5.067	498	873	BV	0.009	0.2289
14	5.127	177	307	PV	0.009	0.0812
15	5.156	872	1423	VV	0.010	0.4006

Total area = 217644

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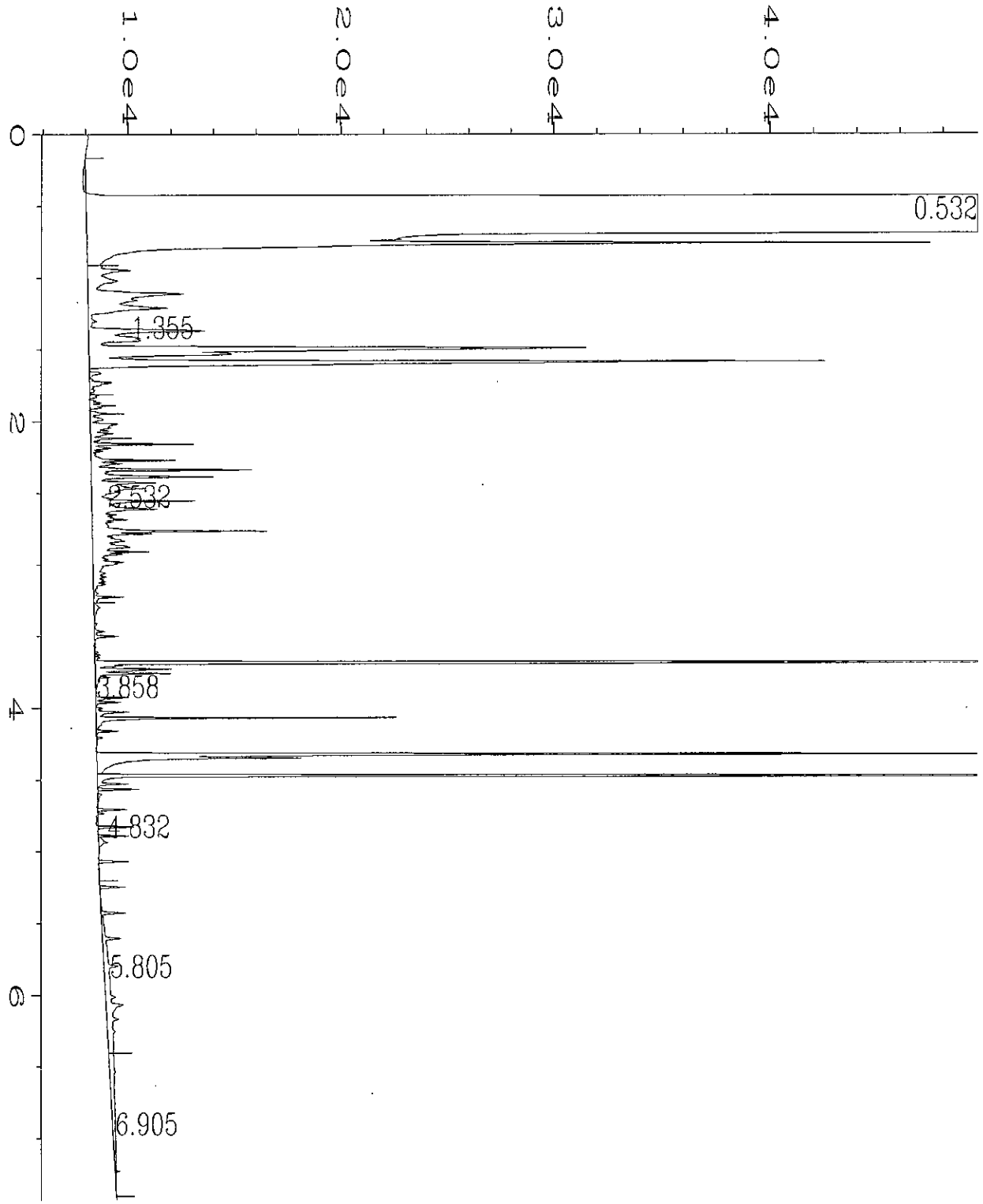
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\011F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 11			
Sample Name : 208312-01				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	9:11		Instrume	DX.MTH		
Report Created on: 23 Aug 22 09:25 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
1	>5.1	<5.2	872	9.07E+03		6/7/22	
Pentacosane							
89	>4.45	<4.6	96505	1.09E+04		6/7/22	
o-Terphenyl							
102	>3.65	<3.75	111809	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
8	>1.80	<4.43	6.82E+04	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
11	>1.80	<6.40	94279	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
4	>4.44	<6.40	26122	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	94279	7.42E+03		12/30/21	
C12-C24							
11	>1.80	<4.50	68157	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
16	>0.90	<3.08	134163	8.53E+03		4/18/17	
Kerosene C8-C20							
20	>0.90	<4.50	202320	1.01E+04		1/9/19	
Transformer Oil							
9	>2.2	<5.20	76547	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	16						
TPHD (8-36)	11						
TPHDX (8-36)	11						
Motor Oil (8-36	15						



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\012F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 12
Sample Name	: 208312-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Aug 22 09:26 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 09:40 AM	Analysis Method	: DX.MTH

Area Percent Report

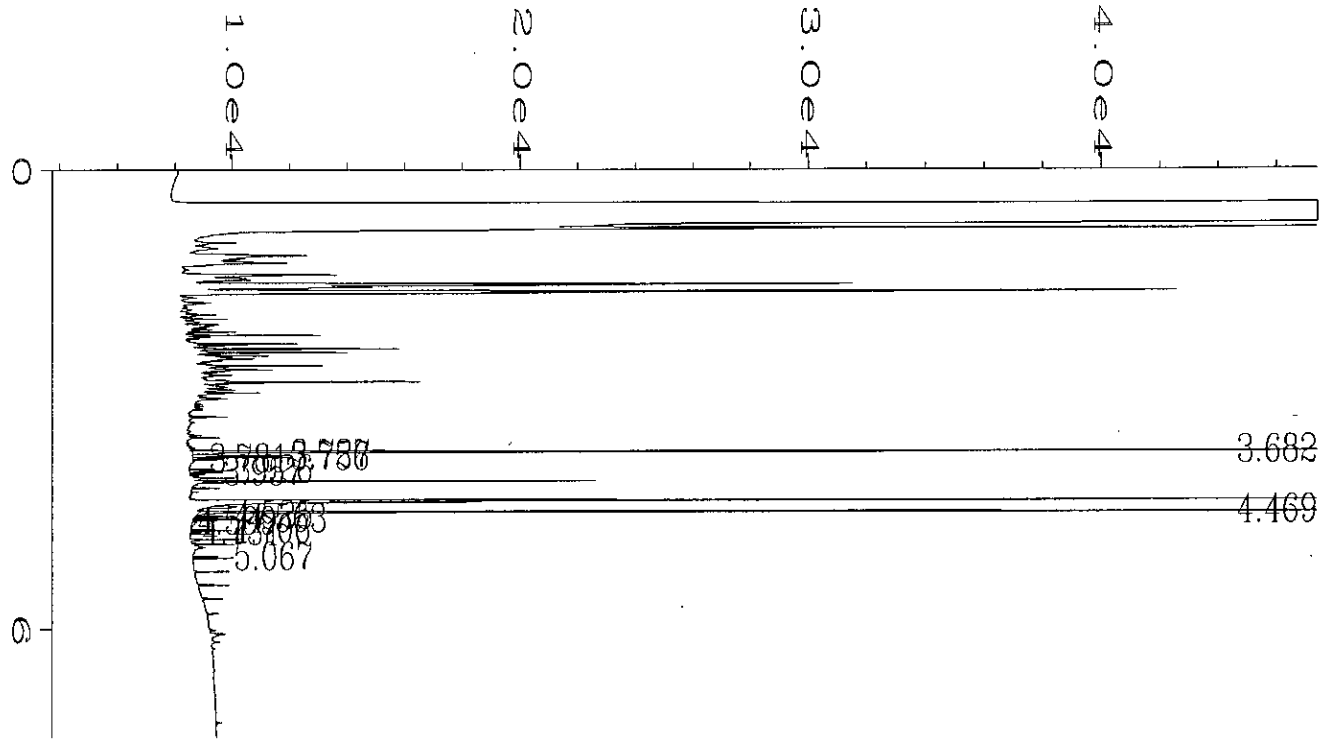
Data File Name : C:\HPCHEM\1\DATA\08-23-22\012F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-02
Run Time Bar Code:
Acquired on : 23 Aug 22 09:26 AM
Report Created on: 23 Aug 22 09:40 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\012F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14927E+009	9.98692E+007	PVA	0.192	99.9490
2	1.355	146512	33313	VVA	0.073	0.0127
3	2.532	81788	6933	VVA	0.197	0.0071
4	3.858	208508	239374	VV +	0.000	0.0181
5	4.832	124677	191946	VV +	0.000	0.0108
6	5.805	17339	901	PV +	0.000	0.0015
7	6.905	7380	298	VB +	0.000	0.0006

Total area = 1.14985E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\012R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-02
Run Time Bar Code:
Acquired on : 23 Aug 22 09:26 AM
Report Created on: 23 Aug 22 09:40 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\012R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	136056	279591	BV	0.012	51.4790
2	3.727	2748	3607	VV	0.013	1.0396
3	3.756	1824	3531	VV	0.011	0.6903
4	3.781	328	601	VV	0.009	0.1241
5	3.926	1131	1586	PV	0.013	0.4280
6	3.957	620	1212	VV	0.009	0.2347
7	4.469	117482	222089	BV	0.019	44.4513
8	4.525	776	1447	VV	0.009	0.2938
9	4.563	1003	1978	PV	0.008	0.3795
10	4.599	410	190	PV	0.032	0.1550
11	4.706	838	1517	PV	0.014	0.3169
12	4.731	211	416	PV	0.008	0.0797
13	5.067	867	1480	BV	0.015	0.3282

Total area = 264294

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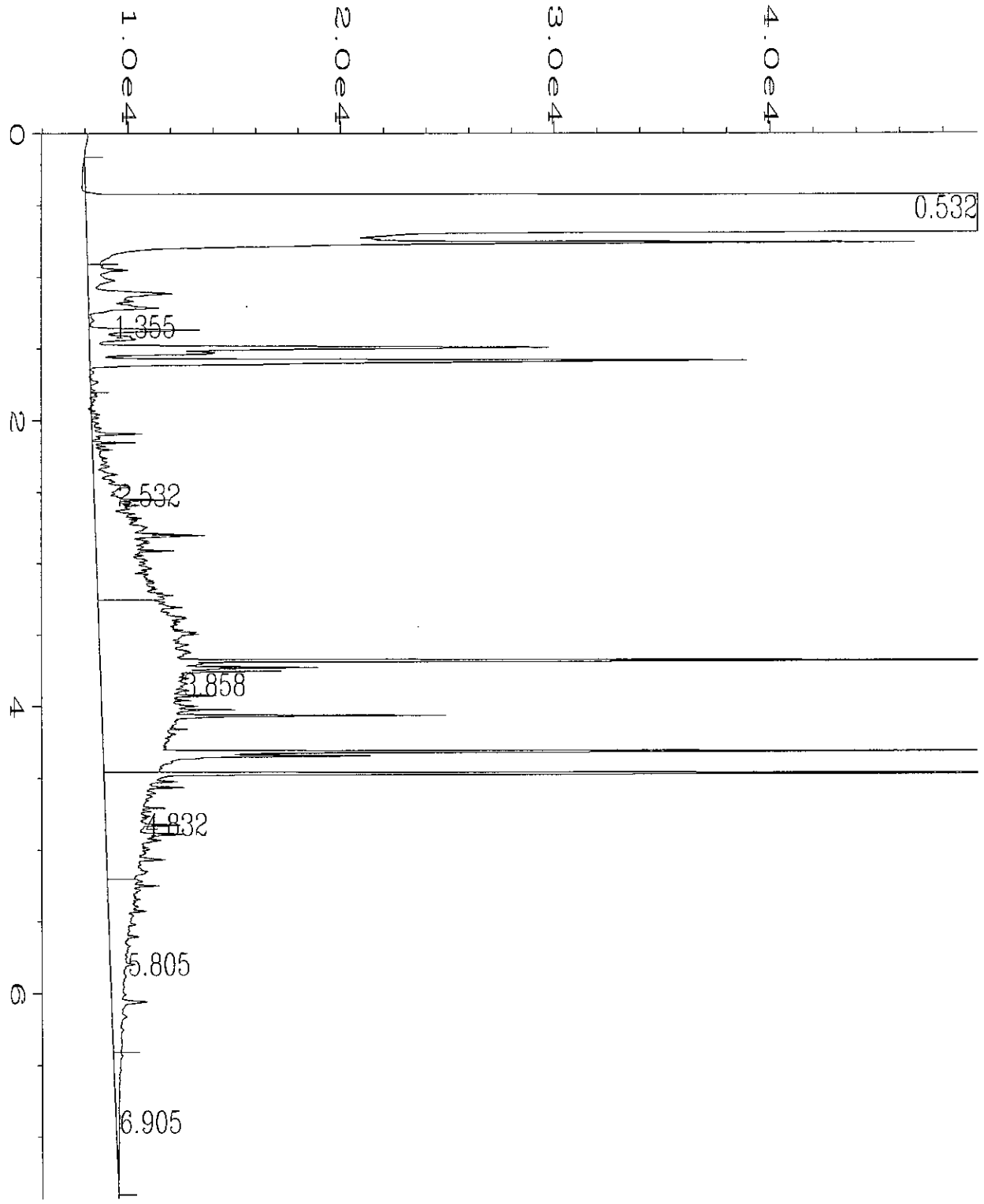
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\012F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 12			
Sample Name : 208312-02				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	9:26		Instrume	DX.MTH		
Report Created on: 23 Aug 22 09:40 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
108	>4.45	<4.6	117482	1.09E+04		6/7/22	
o-Terphenyl							
125	>3.65	<3.75	136056	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
18	>1.80	<4.43	1.54E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
20	>1.80	<6.40	178773	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
4	>4.44	<6.40	24533	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	96985	7.42E+03		12/30/21	
C12-C24							
24	>1.80	<4.50	154240	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
27	>0.90	<3.08	228300	8.53E+03		4/18/17	
Kerosene C8-C20							
30	>0.90	<4.50	300752	1.01E+04		1/9/19	
Transformer Oil							
18	>2.2	<5.20	161435	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	27						
TPHD (8-36)	11						
TPHDX (8-36)	11						
Motor Oil (8-36	15						



Data File Name	: C:\HPCHEM\1\DATA\08-23-22\013F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 13
Sample Name	: 208312-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Aug 22 09:40 AM	Instrument Method	: DX.MTH
Report Created on	: 23 Aug 22 09:54 AM	Analysis Method	: DX.MTH

Area Percent Report

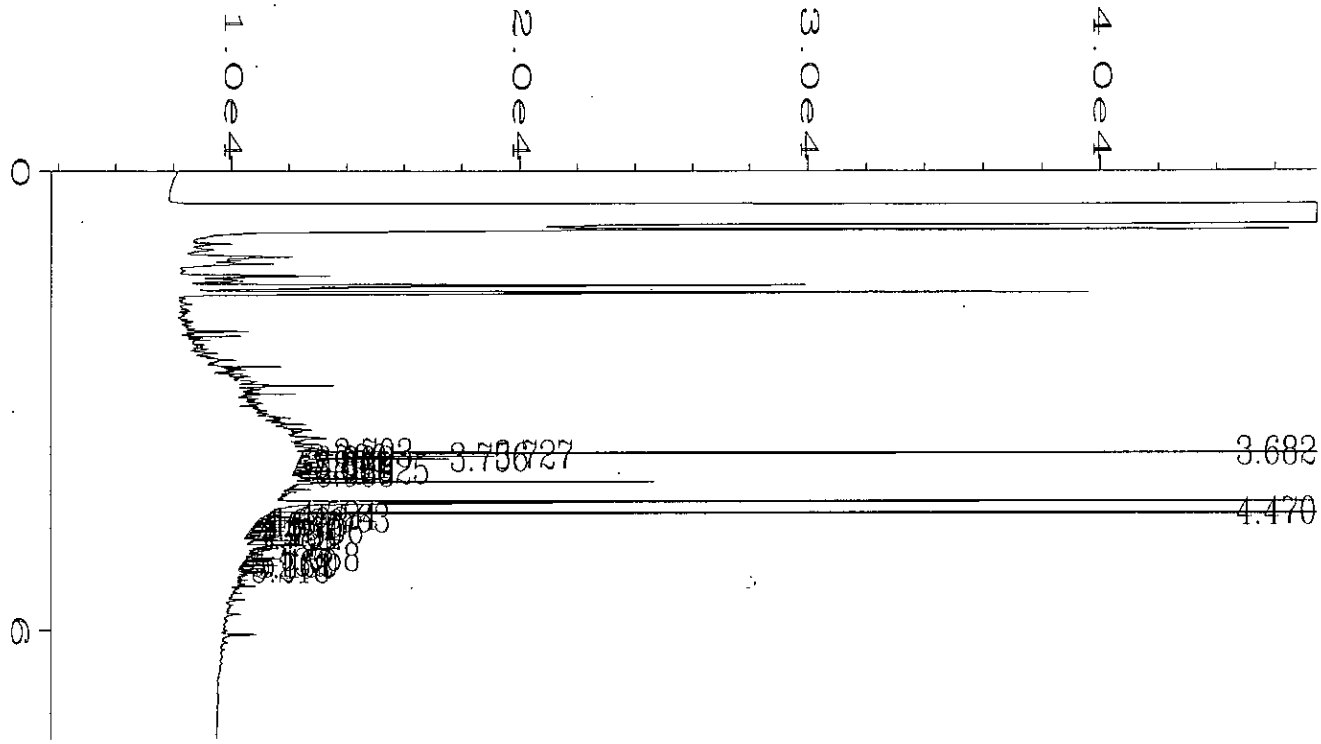
Data File Name : C:\HPCHEM\1\DATA\08-23-22\013F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-03
Run Time Bar Code:
Acquired on : 23 Aug 22 09:40 AM
Report Created on: 23 Aug 22 09:54 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\013F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.18156E+009	1.01184E+008	PVA	0.195	99.9211
2	1.355	125833	29185	VV +	0.000	0.0106
3	2.532	116200	4622	PV +	0.000	0.0098
4	3.858	430209	215543	VV +	0.000	0.0364
5	4.832	191958	181958	VV +	0.000	0.0162
6	5.805	59884	2272	VVA	0.439	0.0051
7	6.905	9131	306	VB +	0.000	0.0008

Total area = 1.18249E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\013R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-03
Run Time Bar Code:
Acquired on : 23 Aug 22 09:40 AM
Report Created on: 23 Aug 22 09:54 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\013R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	118884	247085	BV	0.012	49.4960
2	3.703	942	1104	VV	0.014	0.3924
3	3.727	4299	6927	VV	0.010	1.7898
4	3.756	2849	5455	VV	0.009	1.1862
5	3.780	286	285	VV	0.015	0.1192
6	3.802	431	575	VV	0.012	0.1793
7	3.841	620	539	VV	0.016	0.2583
8	3.864	267	336	VV	0.013	0.1110
9	3.888	580	649	VV	0.015	0.2413
10	3.925	1182	2079	VV	0.011	0.4920
11	3.958	462	803	PV	0.011	0.1925
12	4.470	102607	213453	PV	0.013	42.7192
13	4.524	807	1246	VV	0.011	0.3361
14	4.563	1020	1883	PV	0.011	0.4248
15	4.603	382	476	PV	0.013	0.1590
16	4.626	389	339	VV	0.018	0.1619
17	4.657	245	229	VV	0.018	0.1022
18	4.706	688	1237	VV	0.009	0.2863
19	4.730	365	515	VV	0.012	0.1521
20	4.764	318	485	VV	0.011	0.1325

21	4.781	254	364	VBA	0.012	0.1057
22	5.068	874	1194	BV	0.013	0.3638
23	5.135	227	237	PV	0.014	0.0945
24	5.150	413	583	VV	0.012	0.1718
25	5.162	414	470	VV	0.015	0.1723
26	5.218	384	413	PV	0.014	0.1597

Total area = 240190

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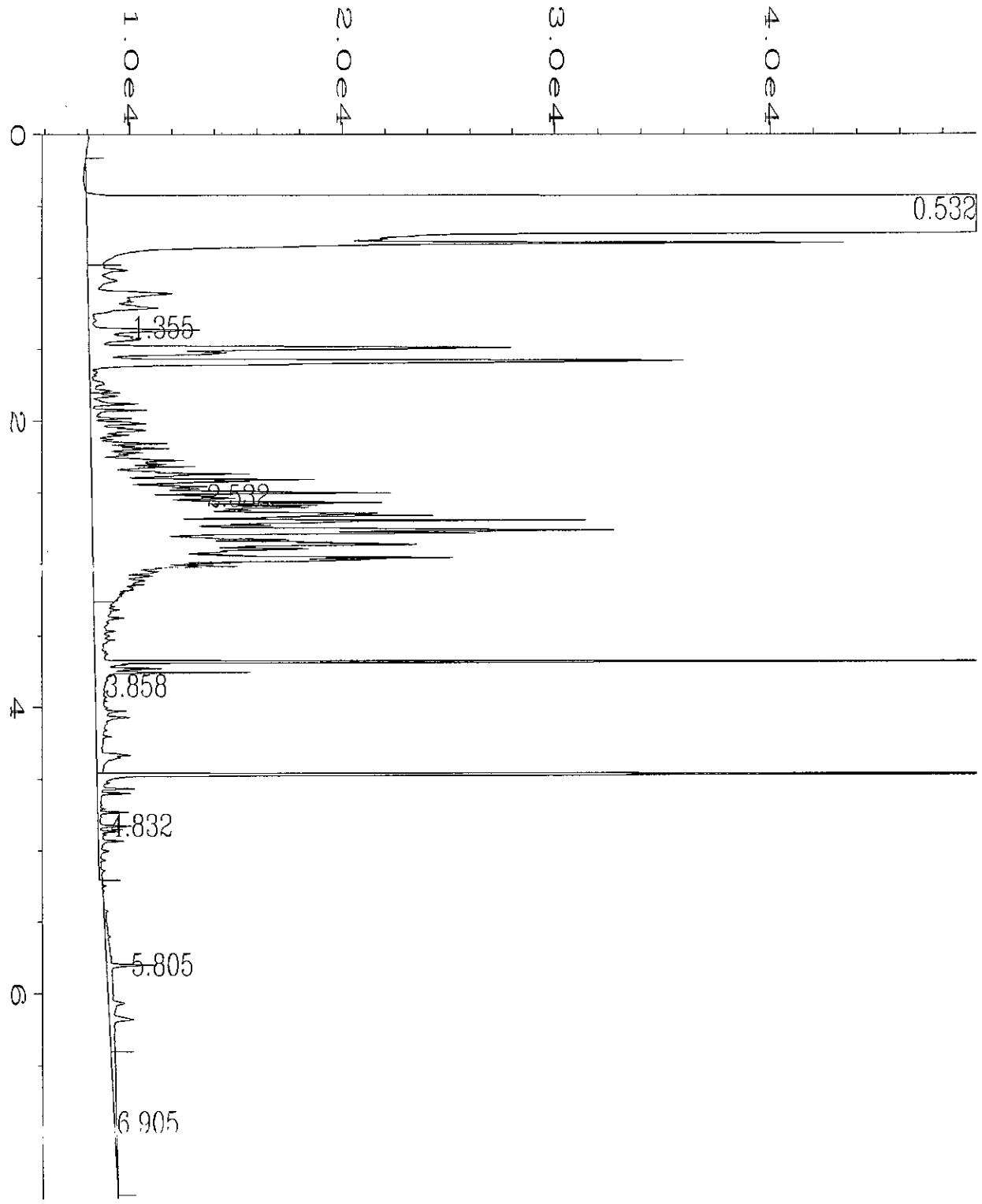
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\013F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 13			
Sample Name : 208312-03				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	9:40		Instrume	DX.MTH		
Report Created on: 23 Aug 22 09:54 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	414	9.07E+03		6/7/22	
Pentacosane							
94	>4.45	<4.6	102607	1.09E+04		6/7/22	
o-Terphenyl							
109	>3.65	<3.75	118884	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
50	>1.80	<4.43	4.28E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
64	>1.80	<6.40	576346	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
23	>4.44	<6.40	148821	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	460146	7.42E+03		12/30/21	
C12-C24							
67	>1.80	<4.50	427525	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
28	>0.90	<3.08	242033	8.53E+03		4/18/17	
Kerosene C8-C20							
55	>0.90	<4.50	553358	1.01E+04		1/9/19	
Transformer Oil							
59	>2.2	<5.20	516876	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	28						
TPHD (8-36)	54						
TPHDX (8-36)	51						
Motor Oil (8-36	71						



Data File Name : C:\HPCHEM\1\DATA\08-23-22\014F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-04
Run Time Bar Code:
Acquired on : 23 Aug 22 09:55 AM
Report Created on: 23 Aug 22 10:09 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

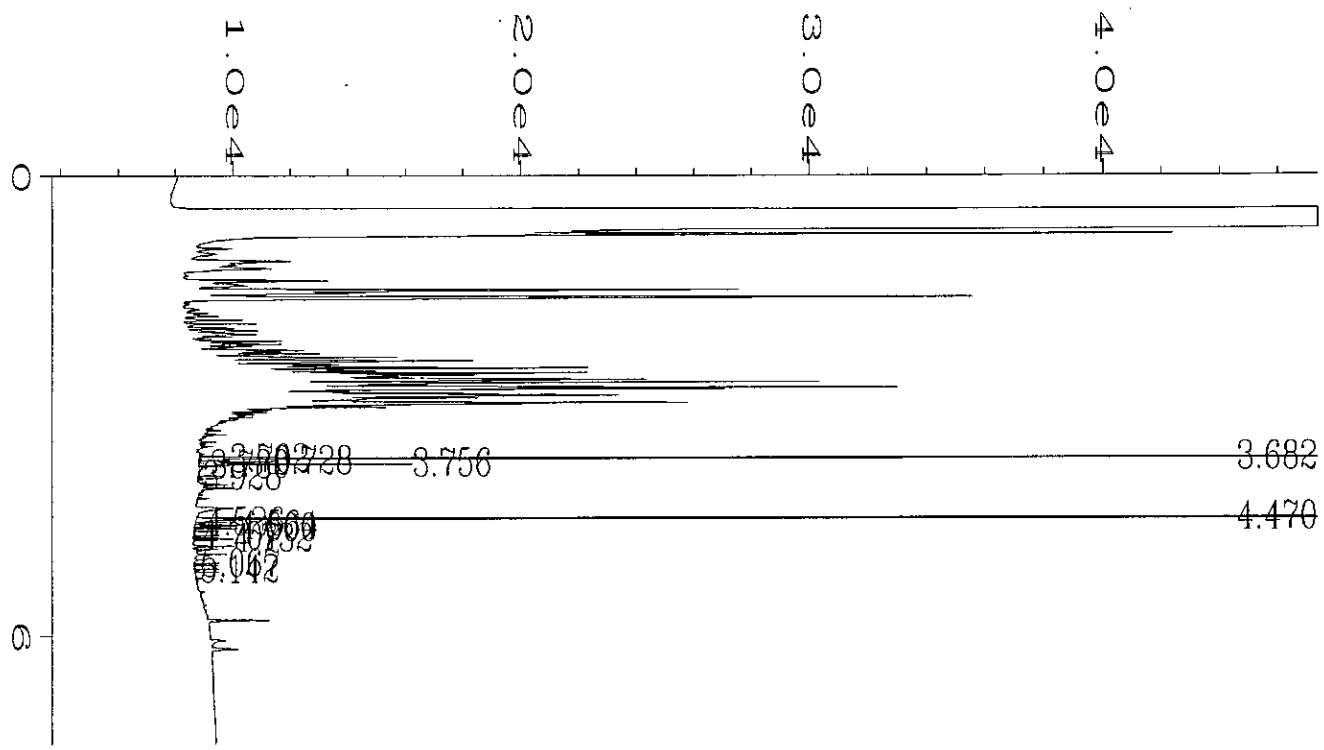
Data File Name : C:\HPCHEM\1\DATA\08-23-22\014F0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-04
Run Time Bar Code:
Acquired on : 23 Aug 22 09:55 AM
Report Created on: 23 Aug 22 10:09 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-23-22\014F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16831E+009	1.01486E+008	PVA	0.192	99.9298
2	1.355	135021	27376	VV +	0.000	0.0115
3	2.532	391500	22688	VVA	0.288	0.0335
4	3.858	159810	205639	VV +	0.000	0.0137
5	4.832	110095	169497	VB +	0.000	0.0094
6	5.805	17301	2126	BV +	0.000	0.0015
7	6.905	6452	172	VV +	0.000	0.0006

Total area = 1.16913E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-23-22\014R0301.D
Operator : TL
Instrument : GC1
Sample Name : 208312-04
Run Time Bar Code:
Acquired on : 23 Aug 22 09:55 AM
Report Created on: 23 Aug 22 10:09 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-23-22\014R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	113841	237611	BV	0.012	51.1758
2	3.702	819	1116	VV	0.012	0.3682
3	3.728	2077	2771	VV	0.012	0.9336
4	3.756	4104	7791	VV	0.009	1.8450
5	3.780	262	405	VV	0.011	0.1179
6	3.928	139	171	PV	0.014	0.0626
7	4.470	97790	199534	PV	0.017	43.9600
8	4.526	347	373	VV	0.014	0.1559
9	4.564	986	1604	VV	0.010	0.4434
10	4.600	838	1553	VV	0.013	0.3765
11	4.707	163	272	PV	0.010	0.0735
12	4.732	789	1451	PV	0.009	0.3546
13	5.067	132	257	BV	0.009	0.0592
14	5.142	164	198	PV	0.014	0.0738

Total area = 222452

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Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-23-22\014F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 14			
Sample Name : 208312-04				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	8/23/22	9:55		Instrume	DX.MTH		
Report Created on: 23 Aug 22 10:09 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	164	9.07E+03		6/7/22	
Pentacosane							
90	>4.45	<4.6	97790	1.09E+04		6/7/22	
o-Terphenyl							
104	>3.65	<3.75	113841	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
51	>1.80	<4.43	4.37E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
52	>1.80	<6.40	466911	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
5	>4.44	<6.40	29442	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	75411	7.42E+03		12/30/21	
C12-C24							
69	>1.80	<4.50	437469	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
62	>0.90	<3.08	526521	8.53E+03		4/18/17	
Kerosene C8-C20							
57	>0.90	<4.50	572490	1.01E+04		1/9/19	
Transformer Oil							
51	>2.2	<5.20	449774	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	62						
TPHD (8-36)	9						
TPHDX (8-36)	8						
Motor Oil (8-36	12						

EPA 6020B
MDLs

Method 200.8/6020B Water Standard Mode
Initial Method Detection Limit (iMDL) Study

Location: G:\fbi\MDLs\icp_ms\2022_ICPMS.xls
Analyst: SP
Units: µg/L (ppb)
Spike Levels: 0.5 µg/L (ppb) most metals and 25 µg/L (ppb) for Iron

Analyte	Ion	Spike Level	MDL (2.998*STD)	PQL (2*MDL)	PQL (5*MDL)	STD DEV
Antimony	Sb 121	0.500	0.100	0.200	0.500	0.017
	Sb 123	0.500	**0.0977**	0.195	0.488	0.017
Arsenic	As-2 75	0.500	0.0810	0.162	0.405	0.022
	As 75	0.500	**0.0781**	0.156	0.391	0.021
Barium	Ba 135	0.500	0.111	0.2210	0.553	0.016
	Ba 137	0.500	**0.109**	0.2186	0.5466	0.014
Berylium	**Be 9**	0.500	**0.0429**	0.0858	0.214	0.014
	Be 9-1	0.500	0.0603	0.1206	0.301	0.020
Cadmium	**Cd 111**	0.500	**0.0578**	0.1156	0.289	0.019
	Cd 114	0.500	0.0541	0.1082	0.271	0.018
Chromium	**Cr 52**	0.500	**0.276**	0.551	1.378	0.068
Cobalt	**Co 59**	0.500	**0.0444**	0.089	0.222	0.015
Copper	**Cu 63**	0.500	**0.165**	0.330	0.83	0.055
	Cu 65	0.500	0.151	0.302	0.75	0.050
Iron	**Fe 57**	25.0	**7.52**	15.0	37.6	2.51
Lead	**Pb 208**	0.500	**0.0575**	0.1149	0.2873	0.019
Manganese	**Mn 55**	0.500	**0.0445**	0.089	0.223	0.015
Mercury	Hg 201	0.500	0.0735	0.1469	0.367	0.025
	Hg 202	0.500	**0.0431**	0.0862	0.215	0.014
Molybdenum	**Mo 98**	0.500	**0.0646**	0.1292	0.323	0.020
Nickel	**Ni 60**	0.500	**0.0511**	0.1021	0.255	0.017
Selenium	Se-1 82	0.500	0.152	0.304	0.761	0.051
	Se 82	0.500	**0.145**	0.290	0.726	0.048
Silver	**Ag 107**	0.500	**0.134**	0.2671	0.668	0.021
	Ag 109	0.500	0.138	0.2756	0.689	0.017
Thallium	Tl 203	0.500	0.0417	0.0834	0.2085	0.014
	Tl 205	0.500	**0.0336**	0.0672	0.1679	0.011
Vanadium	**V 51**	0.500	**0.0791**	0.158	0.396	0.020
Zinc	**Zn 66**	0.500	**0.241**	0.482	1.20	0.080
	Zn 68	0.500	0.200	0.399	1.00	0.067

Updated with bolded results.
*Sb 121, Sb, 123, As-2 75, As 75, Ba 135, Ba 137, Cr 52, Mo 98, Ag 107, Ag 109, and V51 adjusted to IDL levels since IDL > MDL results.

EPA 6020B
Sequence Tables

08/24/22

Dataset Report

User Name: ICPMS2
Computer Name: ICPMS2
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\
Report Date/Time: Thursday, August 25, 2022 08:25:25

The Dataset

Sample ID	Date and Time	Read Type	Descrip	Samp File Name
Torch Alignment	09:47:58 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.001
[STD/KED] Nebulizer Ga	09:48:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	09:50:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.003
Mass Calibration and Re	09:51:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	09:51:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check 005
rinse	09:56:14 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.006
rinse	10:00:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.007
rinse	10:05:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.008
rinse	10:09:55 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.009
blank	10:14:29 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.010
0.2 ppb i8-142b	10:19:05 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.011
high acid rinse	10:24:59 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse.012
rinse	10:29:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 013
surfactant rinse	10:34:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\surfactant rinse.014
rinse	10:38:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 015
high acid rinse	10:43:11 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse 016
rinse	10:47:43 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.017
surfactant rinse	10:52:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\surfactant rinse.018
rinse	10:56:50 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.019
rinse	11:04:52 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.020
rinse	11:09:27 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.021
rinse	11:14:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.022
rinse	11:21:44 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.023
rinse	11:38:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.024
Torch Alignment	11:49:27 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.025
[STD/KED] Nebulizer Ga	11:50:08 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	11:51:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.027
Mass Calibration and Re	11:52:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	11:53:12 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check 029
rinse	11:57:09 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.030
rinse	12:01:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.031
rinse	12:06:15 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.032
rinse	12:10:49 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 033
blank	12:15:24 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.034
0.2 ppb i8-142b	12:19:59 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.035
1 ppb i8-139a	12:24:34 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.036
5 ppb i8-140a	12:29:10 Wed 24-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.037
25 ppb i8-141a	12:33:45 Wed 24-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a 038
50 ppb i8-142a	12:38:21 Wed 24-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a 039
rinse	12:42:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.040
rinse	12:47:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 041
30 ppb i8-143a ICV	12:52:05 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.042
ICB	12:56:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.043
rinse	13:04:06 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 044
ICB rr	13:08:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr 045
0.2 ppb i8-142b LLICV	13:13:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.046
1 ppb i8-139a LLICV	13:17:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.047
5 ppb i8-140a LLICV	13:22:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.048
rinse	13:27:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.049
SIC i8-102b x1000	13:31:34 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.050
SIC i8-102a x200	13:36:06 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.051
rinse	13:40:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.052
Linear range 25-200-0	13:45:13 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.053

Linear range 0-1000-0	13:49:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.054
Linear range 0-0-5000	13:54:17 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.055
rinse	13:59:07 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.056
rinse	14:03:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.057
i2-579 mb	14:08:16 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 mb.058
i2-579 lcs	14:12:50 Wed 24-Aug-22	Spike - 2 of 58	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 lcs.059
208283-01	14:17:25 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-01.060
i2-579 ms 208283-01	14:21:59 Wed 24-Aug-22	Spike - 2 of 60	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 ms 208283-01.061
i2-579 msd 208283-01	14:26:33 Wed 24-Aug-22	Spike - 2 of 60	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 msd 208283-01.062
i2-573 mb2	14:31:07 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-573 mb2.063
208321-02	14:35:40 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-02.064
208321-03	14:40:14 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-03.065
208321-04	14:44:48 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-04.066
208321-05	14:49:22 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-05.067
25 ppb i8-141a CCV (1)	14:53:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (1).068
CCB (1)	14:58:30 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (1).069
208283-02	15:03:05 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-02.070
208325-01 x10	15:07:38 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-01 x10.071
rinse	15:28:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.072
rinse	15:38:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.073
rinse	15:43:32 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.074
rinse	15:48:08 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.075
rinse	15:53:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.076
rinse	15:59:02 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.077
Torch Alignment	16:05:10 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.078
[STD/KED] Nebulizer Ga	16:06:13 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	16:07:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.080
Mass Calibration and Re	16:08:53 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	16:09:17 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.082
[STD/KED] Nebulizer Ga	16:11:49 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
rinse	16:17:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.084
rinse	16:22:33 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.085
[STD/KED] Nebulizer Ga	16:26:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
Torch Alignment	16:28:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.087
[STD/KED] Nebulizer Ga	16:30:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
Torch Alignment	16:33:46 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.089
[STD/KED] Nebulizer Ga	16:34:39 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	16:36:14 Wed 24-Aug-22	Sample	QID ST	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.091
Mass Calibration and Re	16:37:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	16:37:43 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.093
rinse	16:42:09 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.094
rinse	16:46:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.095
rinse	16:51:24 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.096
rinse	16:56:23 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.097
rinse	17:00:57 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.098
rinse	17:16:14 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.099
rinse	17:20:47 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.100
rinse	17:25:20 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 101
blank	17:29:55 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.102
0.2 ppb i8-142b	17:34:31 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.103
1 ppb i8-139a	17:39:07 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.104
5 ppb i8-140a	17:43:41 Wed 24-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.105
25 ppb i8-141a	17:48:16 Wed 24-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a.106
50 ppb i8-142a	17:52:51 Wed 24-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.107
rinse	17:57:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.108
rinse	18:02:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.109
30 ppb i8-143a ICV	18:06:35 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.110
ICB	18:11:10 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.111
rinse	18:15:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.112
ICB rr	18:20:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.113
0.2 ppb i8-142b LLICV	18:24:54 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.114
1 ppb i8-139a LLICV	18:29:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.115
5 ppb i8-140a LLICV	18:34:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.116
rinse	18:38:39 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.117

SIC i8-102b x1000	18:43:12 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.118
SIC i8-102a x200	18:47:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.119
rinse	18:52:18 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.120
Linear range 25-200-0	18:56:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.121
Linear range 0-1000-0	19:01:23 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.122
Linear range 0-0-5000	19:05:55 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.123
rinse	19:10:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.124
rinse	19:15:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.125
rinse	19:19:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.126
i2-579 mb rr	19:24:13 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 mb rr.127
i2-579 lcs rr	19:28:47 Wed 24-Aug-22	Spike - 2 of 127	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 lcs rr.128
i2-581 mb	19:33:21 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 mb.129
i2-581 lcs	19:37:53 Wed 24-Aug-22	Spike - 2 of 129	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 lcs.130
i2-573 mb2 rr	19:42:26 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-573 mb2 rr.131
208259-01	19:46:59 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-01.132
i2-581 ms 208259-01	19:51:32 Wed 24-Aug-22	Spike - 2 of 132	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 ms 208259-01.133
i2-581 msd 208259-01	19:56:05 Wed 24-Aug-22	Spike - 2 of 132	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 msd 208259-01.134
208259-02	20:00:39 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-02.135
208259-03	20:05:12 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-03.136
25 ppb i8-141a CCV (2)	20:09:46 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (2).137
CCB (2)	20:14:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (2).138
208276-02 rr	20:18:55 Wed 24-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208276-02 rr.139
208360-01	20:23:28 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-01.140
208360-02	20:28:02 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-02.141
208360-03	20:32:35 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-03.142
208360-04	20:37:08 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-04.143
208360-05	20:41:41 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-05.144
208360-06	20:46:14 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-06.145
208360-07	20:50:46 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-07.146
208360-08	20:55:19 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-08.147
208321-02 rr	20:59:52 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-02 rr.148
25 ppb i8-141a CCV (3)	21:04:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (3).149
CCB (3)	21:09:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (3).150
208321-03 rr	21:13:35 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-03 rr.151
208321-04 rr	21:18:09 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-04 rr.152
208321-05 rr	21:22:42 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-05 rr.153
208259-01 x5	21:27:15 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-01 x5.154
i2-581 ms 208259-01 x5	21:31:48 Wed 24-Aug-22	Spike - 5 of 154	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 ms 208259-01 x5.155
i2-581 msd 208259-01 x5	21:36:22 Wed 24-Aug-22	Spike - 5 of 154	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 msd 208259-01 x5.156
208311-01	21:40:55 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-01.157
208311-15	21:45:29 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-15.158
25 ppb i8-141a CCV (4)	21:50:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (4).159
CCB (4)	21:54:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (4).160
208245-15 x5	21:59:12 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-15 x5.161
208245-20 x5	22:03:44 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-20 x5.162
208245-22 x5	22:08:16 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-22 x5.163
208245-32 x10	22:12:49 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x10.164
208245-32 x5	22:17:23 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x5.165
208245-37 x5	22:21:57 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-37 x5.166
rinse	22:26:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.167
208283-01 rr	22:31:05 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-01 rr.168
i2-579 ms 208283-01 rr	22:35:39 Wed 24-Aug-22	Spike - 2 of 168	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 ms 208283-01 rr.169
i2-579 msd 208283-01 rr	22:40:13 Wed 24-Aug-22	Spike - 2 of 168	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 msd 208283-01 rr.170
208283-02 rr	22:44:47 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-02 rr.171
25 ppb i8-141a CCV (5)	22:49:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (5).172
CCB (5)	22:53:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (5).173
208311-16	22:58:30 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-16.174
208311-19	23:03:03 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-19.175
208311-20	23:07:36 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-20.176
208311-23	23:12:09 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-23.177
208311-24	23:16:42 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-24.178
25 ppb i8-141a CCV (6)	23:21:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (6).179
CCB (6)	23:25:50 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (6).180
rinse	23:30:25 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.181

rinse	23:34:58 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.182
rinse	23:39:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.183
rinse	23:44:05 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.184
blank	23:48:40 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
0.2 ppb i8-142b	23:53:14 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.186
1 ppb i8-139a	23:57:49 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.187
5 ppb i8-140a	00:02:24 Thu 25-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.188
25 ppb i8-141a	00:06:59 Thu 25-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a 189
50 ppb i8-142a	00:11:33 Thu 25-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.190
rinse	00:16:08 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.191
rinse	00:20:43 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.192
30 ppb i8-143a ICV	00:25:17 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
ICB	00:29:52 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.194
rinse	00:34:27 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.195
ICB rr	00:39:01 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
0.2 ppb i8-142b LLICV	00:43:36 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.197
1 ppb i8-139a LLICV	00:48:11 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.198
5 ppb i8-140a LLICV	00:52:46 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.199
rinse	00:57:21 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.200
SIC i8-102b x1000	01:01:54 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.201
SIC i8-102a x200	01:06:26 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.202
rinse	01:11:00 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.203
Linear range 25-200-0	01:15:33 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.204
Linear range 0-1000-0	01:20:05 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.205
Linear range 0-0-5000	01:24:37 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.206
rinse	01:29:10 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.207
rinse	01:33:45 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.208
rinse	01:38:19 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 209
i2-580 mb	01:42:53 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 mb.210
i2-580 lcs	01:47:27 Thu 25-Aug-22	Spike - 1 of 210	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 lcs.211
208312-01	01:52:00 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-01.212
i2-580 ms 208312-01	01:56:33 Thu 25-Aug-22	Spike - 1 of 212	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 ms 208312-01.213
i2-580 msd 208312-01	02:01:06 Thu 25-Aug-22	Spike - 1 of 212	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 msd 208312-01.214
208312-02	02:05:39 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-02.215
208312-03	02:10:12 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-03.216
208312-04	02:14:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-04.217
rinse	02:19:18 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.218
208311-26	02:23:51 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-26.219
208311-27	02:28:24 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-27.220
25 ppb i8-141a CCV (7)	02:32:59 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (7).221
CCB (7)	02:37:34 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (7).222
208257-01	02:42:07 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-01.223
208257-02	02:46:39 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-02.224
208257-03	02:51:12 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-03.225
208257-04	02:55:46 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-04.226
208257-05	03:00:20 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-05.227
208342-01 x10	03:04:53 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01 x10.228
208342-02 x10	03:09:26 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02 x10.229
rinse	03:14:00 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.230
208325-01 x10 rr	03:18:34 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-01 x10 rr.231
208325-02 x10	03:23:07 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-02 x10.232
25 ppb i8-141a CCV (8)	03:27:41 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (8).233
CCB (8)	03:32:15 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (8).234
208342-01 x5	03:36:49 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01 x5.235
208342-02 x5	03:41:22 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02 x5.236
208342-01	03:45:54 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01.237
208342-02	03:50:28 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02.238
rinse	03:55:02 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.239
208335-01 x20	03:59:35 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-01 x20.240
208335-02 x10	04:04:09 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-02 x10.241
208335-03 x20	04:08:42 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-03 x20.242
208335-04 x20	04:13:15 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-04 x20.243
25 ppb i8-141a CCV (9)	04:17:49 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (9).244
CCB (9)	04:22:24 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (9).245

208245-09 x10	04:26:58 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-09 x10.246
i2-575 ms 208245-09 x1	04:31:32 Thu 25-Aug-22	Spike - 11 of 246	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-575 ms 208245-09 x10.247
i2-575 msd 208245-09 x	04:36:05 Thu 25-Aug-22	Spike - 11 of 246	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-575 msd 208245-09 x10.248
208245-10 x10	04:40:38 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-10 x10.249
208245-11 x10	04:45:11 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-11 x10.250
208245-12 x5	04:49:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-12 x5.251
208245-13 x10	04:54:16 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-13 x10.252
208245-14 x5	04:58:49 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-14 x5.253
rinse	05:03:22 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.254
208335-05 x20	05:07:56 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-05 x20.255
208335-06 x10	05:12:29 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-06 x10.256
25 ppb i8-141a CCV (10)	05:17:03 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (10).257
CCB (10)	05:21:38 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (10).258
208245-15 x5	05:26:11 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-15 x5.259
208245-16 x10	05:30:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-16 x10.260
208245-18 x5	05:35:18 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-18 x5.261
208245-20 x10	05:39:52 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-20 x10.262
208245-22 x5	05:44:25 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-22 x5.263
208245-24 x5	05:48:59 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-24 x5.264
208245-26 x5	05:53:32 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-26 x5.265
208245-28 x5	05:58:05 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-28 x5.266
rinse	06:02:39 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.267
rinse	06:07:13 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.268
208335-07 x5	06:11:48 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-07 x5.269
25 ppb i8-141a CCV (11)	06:16:22 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (11).270
CCB (11)	06:20:57 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (11).271
208245-30 x5	06:25:31 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-30 x5.272
208245-32 x5	06:30:03 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x5.273
208245-34 x5	06:34:36 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-34 x5.274
208245-37 x5	06:39:08 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-37 x5.275
208245-39 x5	06:43:41 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-39 x5.276
208245-41 x5	06:48:14 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-41 x5.277
rinse	06:52:48 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.278
rinse	06:57:23 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.279
208335-08 x20	07:01:57 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-08 x20.280
208336-01 x2	07:06:31 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208336-01 x2.281
25 ppb i8-141a CCV (12)	07:11:06 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (12).282
CCB (12)	07:15:41 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (12).283
Ca rinse	07:20:14 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Ca rinse.284
rinse	07:24:47 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.285
high acid rinse	07:29:20 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse.286
rinse	07:33:53 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.287
rinse	07:38:27 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.288
rinse	07:42:59 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.289
DIW	07:47:33 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\DIW.290
empty	07:51:15 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\empty.291

EPA 6020B
Instrument Performance Checks

Performance Check Report

Sample ID: [STD] Performance Check
Sample Date/Time: Wednesday, August 24, 2022 16:09:17
Sample Description:
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\STD Performance Check.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.082
MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Dual Detector Mode: Pulse
Acq. Dead Time (ns): 35
Current Dead Time (ns): 35
Torch Z position (mm): 0.00

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Be	9.0	4196.3	4196.283	51.678	1.2	Standard
	In	114.9	65860.7	65860.670	276.652	0.4	Standard
	U	238.1	55959.1	55959.123	387.192	0.7	Standard
[	CeO	155.9	950.8	0.015	0.000	2.6	Standard
| >	Ce	139.9	61748.5	61748.501	405.952	0.7	Standard
[	Ce++	70.0	553.9	0.009	0.000	3.0	Standard
	Bkgd	220.0	0.1	0.067	0.091	136.9	Standard

Current Conditions File Data

Current Value	Description
1.04	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
18.00	Standard - Plasma Gas Flow
0.00	Standard - Makeup Gas Flow STD/KED [MGF]
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - Deflector Voltage
1600.00	Standard - ICP RF Power
-1681.00	Standard - Analog Stage Voltage
1050.00	Standard - Pulse Stage Voltage
0.00	Standard - Quadrupole Rod Offset STD [QRO]
-15.00	Standard - Cell Rod Offset STD [CRO]
12.00	Standard - Discriminator Threshold
-4.00	Standard - Cell Entrance/Exit Voltage STD
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-6.00	Helium KED - KED Mode Cell Entrance Voltage
-25.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage
0.00	Helium KED - KED RPa
0.25	Helium KED - KED RPq
0.00	Helium KED - Cell Gas A

Gas outside of range
SP 08/24/22

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:05:09 PM
End Time: 8/24/2022 4:11:21 PM

Torch Alignment - [Passed]
Vertical: 0.28 mm
Horizontal: -0.22 mm
Intensity: 67557.36

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.04
Obtained Intensity (In 115): 64950.31
Obtained Formula (CeO 156 / Ce 140): 0.0161 (=947.03 / 58770.64)

[STD/DRC] QID - Optimum value(s): Correlation Coefficient = 0.997; Intercept = -14.49

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.690)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.675)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.714)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.680)

[STD] Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 4196.28
Obtained Intensity (In 115): 65860.67
Obtained Intensity (U 238): 55959.12
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.015 (=950.83 / 61748.50)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=553.88 / 61748.50)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:05:09 PM

Torch Alignment
- Optimization Settings:
  - Method: Torch Alignment.mth.
  - Intensity Criterion: In 115 Maximum
- Optimization Results:
- [Passed]
  - Vertical: 0.28 mm
  - Horizontal: -0.22 mm
  - Intensity: 67557.36

[STD/KED] Nebulizer Gas Flow
- Optimization Settings:
  - Method: Optimize.mth.
    - Initial Try - Start/End/Step: 0.98/1.04/0.01.
  - Intensity Criterion: In 115 Maximum
  - Formula Criterion: CeO 156 / Ce 140 <= 0.02
- Optimization Results:
- Initial Try
  - Obtained Intensity (In 115): 64950.31
  - Obtained Formula (CeO 156 / Ce 140): 0.0161 (=947.03 / 58770.64)

[Passed] Optimum value(s): 1.04

[STD/DRC] QID
- Optimization Settings:
  - Method: QID Calibration.mth.
    - Initial Try - Start/End/Step: -20/0/0.5.
- Optimization Results:
- Initial Try

Optimum value(s): Correlation Coefficient = 0.997; Intercept = -14.49

Analyte	Mass	Points	DAC	MaxIntensity
Li	7	41	-14.5	24809.5
Mg	24	41	-14.5	37196.4
In	115	41	-10.5	68218.5
Ce	140	41	-10	61106.4
Pb	208	41	-8.5	34108.7
U	238	41	-8.5	55583.9

Mass Calibration and Resolution
- Optimization Settings:
  - Method: Tuning.mth.
  - MassCal File: Default.tun
  - Iterations: 6

```
            Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution
            Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
            Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.690)
            Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.675)
            Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.714)
            Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.680)
[Passed]  Optimum value(s): N/A

[STD] Performance Check
        Optimization Settings:
            Method: STD Performance Check.mth.
            Intensity Criterion: Be 9 > 2000
            Intensity Criterion: In 115 > 40000
            Intensity Criterion: U 238 > 30000
            Intensity Criterion: Bkgd 220 <= 1
            Formula Criterion: CeO 156 / Ce 140 <= 0.025
            Formula Criterion: Ce++ 70 / Ce 140 <= 0.03

        Optimization Results:
        Initial Try
            Obtained Intensity (Be 9): 4196.28
            Obtained Intensity (In 115): 65860.67
            Obtained Intensity (U 238): 55959.12
            Obtained Intensity (Bkgd 220): 0.07
            Obtained Formula (CeO 156 / Ce 140): 0.015 (=950.83 / 61748.50)
            Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=553.88 / 61748.50)

[Passed]  Optimum value(s): N/A

End Time: 8/24/2022 4:11:21 PM
```

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:11:49 PM
End Time: 8/24/2022 4:13:23 PM

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.02
        Obtained Intensity (In 115): 69091.68
        Obtained Formula (CeO 156 / Ce 140): 0.0159 (=960.03 / 60259.83)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:11:49 PM

[STD/KED] Nebulizer Gas Flow
Optimization Settings:
Method: Optimize.mth.
Initial Try - Start/End/Step: 1.02/1.08/0.01.
Intensity Criterion: In 115 Maximum
Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:
Initial Try

Obtained Intensity (In 115): 69091.68
Obtained Formula (CeO 156 / Ce 140): 0.0159 (=960.03 / 60259.83)
[Passed] Optimum value(s): 1.02

End Time: 8/24/2022 4:13:23 PM

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:26:51 PM
End Time: 8/24/2022 4:28:12 PM

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.02
        Obtained Intensity (In 115): 49032.00
        Obtained Formula (CeO 156 / Ce 140): 0.0153 (=729.02 / 47530.94)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:26:51 PM

[STD/KED] Nebulizer Gas Flow
Optimization Settings:
Method: Optimize.mth.
Initial Try - Start/End/Step: 0.98/1.08/0.02.
Intensity Criterion: In 115 Maximum
Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:
Initial Try

Obtained Intensity (In 115): 49032.00
Obtained Formula (CeO 156 / Ce 140): 0.0153 (=729.02 / 47530.94)
[Passed] Optimum value(s): 1.02

End Time: 8/24/2022 4:28:12 PM

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:28:41 PM
End Time: 8/24/2022 4:29:50 PM

Torch Alignment - [Passed]

Vertical:	0.17 mm
Horizontal:	-0.22 mm
Intensity:	65952.89

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:28:41 PM

Torch Alignment

Optimization Settings:

Method: Torch Alignment.mth.

Intensity Criterion: In 115 Maximum

Optimization Results:

[Passed]

Vertical:	0.17 mm
Horizontal:	-0.22 mm
Intensity:	65952.89

End Time: 8/24/2022 4:29:50 PM

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw:

Start Time: 8/24/2022 4:30:03 PM
End Time: 8/24/2022 4:31:38 PM

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1
        Obtained Intensity (In 115): 61683.88
        Obtained Formula (CeO 156 / Ce 140): 0.0157 (=887.03 / 56638.05)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:30:03 PM

[STD/KED] Nebulizer Gas Flow
    Optimization Settings:
        Method: Optimize.mth.
            Initial Try - Start/End/Step: 0.98/1.04/0.01.
        Intensity Criterion: In 115 Maximum
        Formula Criterion: CeO 156 / Ce 140 <= 0.02

    Optimization Results:
    Initial Try

        Obtained Intensity (In 115): 61683.88
        Obtained Formula (CeO 156 / Ce 140): 0.0157 (=887.03 / 56638.05)
[Passed] Optimum value(s): 1

End Time: 8/24/2022 4:31:38 PM

Performance Check Report

Sample ID: [STD] Performance Check
Sample Date/Time: Wednesday, August 24, 2022 16:37:43
Sample Description:
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\STD Performance Check.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.093
MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Dual Detector Mode: Pulse
Acq. Dead Time (ns): 35
Current Dead Time (ns): 35
Torch Z position (mm): 0.00

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Be	9.0	3931.1	3931.141	33.490	0.9	Standard
	In	114.9	62162.6	62162.622	288.024	0.5	Standard
	U	238.1	53704.2	53704.224	218.087	0.4	Standard
⌈	CeO	155.9	941.3	0.016	0.001	3.3	Standard
|>	Ce	139.9	59050.1	59050.126	257.137	0.4	Standard
⌊	Ce++	70.0	455.1	0.008	0.000	1.9	Standard
	Bkgd	220.0	0.2	0.167	0.204	122.5	Standard

Current Conditions File Data

Current Value	Description
1.01	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
18.00	Standard - Plasma Gas Flow
0.00	Standard - Makeup Gas Flow STD/KED [MGF]
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - Deflector Voltage
1600.00	Standard - ICP RF Power
-1681.00	Standard - Analog Stage Voltage
1050.00	Standard - Pulse Stage Voltage
0.00	Standard - Quadrupole Rod Offset STD [QRO]
-15.00	Standard - Cell Rod Offset STD [CRO]
12.00	Standard - Discriminator Threshold
-4.00	Standard - Cell Entrance/Exit Voltage STD
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-6.00	Helium KED - KED Mode Cell Entrance Voltage
-25.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage
0.00	Helium KED - KED RPa
0.25	Helium KED - KED RPq
0.00	Helium KED - Cell Gas A

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:33:45 PM
End Time: 8/24/2022 4:39:47 PM

Torch Alignment - [Passed]
Vertical: 0.06 mm
Horizontal: -0.27 mm
Intensity: 65479.72

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.01
Obtained Intensity (In 115): 61174.70
Obtained Formula (CeO 156 / Ce 140): 0.0165 (=906.03 / 54819.98)

[STD/DRC] QID - Optimum value(s): Correlation Coefficient = 0.990; Intercept = -14.14

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.681)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.710)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.679)

[STD] Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 3931.14
Obtained Intensity (In 115): 62162.62
Obtained Intensity (U 238): 53704.22
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.016 (=941.30 / 59050.13)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=455.07 / 59050.13)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:33:45 PM

Torch Alignment

Optimization Settings:

Method: Torch Alignment.mth.

Intensity Criterion: In 115 Maximum

Optimization Results:

[Passed]

Vertical:	0.06 mm
Horizontal:	-0.27 mm
Intensity:	65479.72

[STD/KED] Nebulizer Gas Flow

Optimization Settings:

Method: Optimize.mth.

Initial Try - Start/End/Step: 0.98/1.04/0.01.

Intensity Criterion: In 115 Maximum

Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:

Initial Try

Obtained Intensity (In 115): 61174.70

Obtained Formula (CeO 156 / Ce 140): 0.0165 (=906.03 / 54819.98)

[Passed] Optimum value(s): 1.01

[STD/DRC] QID

Optimization Settings:

Method: QID Calibration.mth.

Initial Try - Start/End/Step: -20/0/0.5.

Optimization Results:

Initial Try

Optimum value(s): Correlation Coefficient = 0.990; Intercept = -14.14

Analyte	Mass	Points	DAC	MaxIntensity
Li	7	41	-14.5	25851.4
Mg	24	41	-14.5	30175.8
In	115	41	-11.5	63701.7
Ce	140	41	-9.5	58692.3
Pb	208	41	-8.5	32513
U	238	41	-8.5	54150.4

Mass Calibration and Resolution

Optimization Settings:

Method: Tuning.mth.

MassCal File: Default.tun

Iterations: 6

```
            Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution
            Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
            Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.681)
            Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.677)
            Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.710)
            Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.679)
[Passed]  Optimum value(s): N/A

[STD] Performance Check
        Optimization Settings:
            Method: STD Performance Check.mth.
            Intensity Criterion: Be 9 > 2000
            Intensity Criterion: In 115 > 40000
            Intensity Criterion: U 238 > 30000
            Intensity Criterion: Bkgd 220 <= 1
            Formula Criterion: CeO 156 / Ce 140 <= 0.025
            Formula Criterion: Ce++ 70 / Ce 140 <= 0.03

        Optimization Results:
        Initial Try
            Obtained Intensity (Be 9): 3931.14
            Obtained Intensity (In 115): 62162.62
            Obtained Intensity (U 238): 53704.22
            Obtained Intensity (Bkgd 220): 0.17
            Obtained Formula (CeO 156 / Ce 140): 0.016 (=941.30 / 59050.13)
            Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=455.07 / 59050.13)

[Passed]  Optimum value(s): N/A

End Time: 8/24/2022 4:39:47 PM
```

Quantitative Analysis - Summary Report

Sample ID: SIC i8-102b x1000

Sample Date/Time: Thursday, August 25, 2022 01:01:54
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.201
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 255
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161413	1.03		ug/L	Standard
	Li	7	10331	10448	1.22		ug/L	Standard
	Be	9	11	16	14.14	0.001	ug/L	Standard
	Al	27	53531	2785014	1.78	91.525	ug/L	Standard
	Be-1	9	11	16	14.14	0.001	ug/L	Standard
>	Sc	45	234282	246860	2.37		ug/L	Standard
	V	51	5015	4692	13.48	-0.026	ug/L	Standard
	V-1	51	3410	971	7.50	-0.130	ug/L	Standard
	Cr	52	14911	14164	14.55	-0.078	ug/L	Standard
	Cr	53	1213	375	6.44	-0.450	ug/L	Standard
	Mn	55	7071	5044	2.55	-0.096	ug/L	Standard
	Fe	57	23864	132088	2.10	231.236	ug/L	Standard
	Co	59	272	323	7.96	0.002	ug/L	Standard
	Ni	60	392	945	3.60	0.131	ug/L	Standard
	Ni	62	105	171	3.57	0.104	ug/L	Standard
	Cu	63	3208	3309	1.33	-0.002	ug/L	Standard
	Cu	65	1468	1467	2.19	-0.014	ug/L	Standard
	Zn	66	655	486	12.52	-0.088	ug/L	Standard
	Zn	67	112	85	5.28	-0.088	ug/L	Standard
	Zn	68	795	691	2.34	-0.087	ug/L	Standard
	As-2	75	392	427	7.89	0.009	ug/L	Standard
	As-3	75	545	430	4.38	-0.067	ug/L	Standard
	Se-1	77	143	99	1.55	-0.322	ug/L	Standard
	Se-1	82	18	8	46.41	-0.035	ug/L	Standard
>	Ge	72	32845	34099	2.19		ug/L	Standard
	As	75	392	427	7.89	0.012	ug/L	Standard
	As-1	75	545	430	4.38	-0.062	ug/L	Standard
	Se	77	143	99	1.55	-0.303	ug/L	Standard
	Se	82	18	8	46.41	-0.033	ug/L	Standard
	Y	89	344475	365977	3.78		ug/L	Standard
	Mo	98	287	14622	4.64	1.765	ug/L	Standard
	Ag	107	142	120	27.94	-0.002	ug/L	Standard
	Ag	109	144	160	11.28	0.001	ug/L	Standard

	Cd	111	54	55	18.48	-0.000	ug/L	Standard
	Cd	114	189	104	18.69	-0.008	ug/L	Standard
>	In	115	482503	492514	1.78		ug/L	Standard
	Sb	121	2372	3935	3.95	0.120	ug/L	Standard
	Sb	123	1878	3007	2.09	0.113	ug/L	Standard
	Ba	135	54	43	24.05	-0.004	ug/L	Standard
	Ba	137	91	76	23.36	-0.003	ug/L	Standard
	Tb	159	609131	624294	2.91		ug/L	Standard
>	Ho	165	632987	641975	2.40		ug/L	Standard
	Hg	201	23	19	15.80	-0.002	ug/L	Standard
	Hg	202	53	40	11.46	-0.004	ug/L	Standard
	Tl	203	83	60	19.22	-0.001	ug/L	Standard
	Tl	205	188	158	20.28	-0.001	ug/L	Standard
	Pb	208	11117	9287	131.17	-0.039	ug/L	Standard
	Bi	209	353336	369008	1.67		ug/L	Standard
	Th	232	3393	22217	5.15	0.438	ug/L	Standard
	U	238	53	85	28.38	0.001	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.819			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.369			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		103.819			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.075			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.420			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: SIC i8-102a x200

Sample Date/Time: Thursday, August 25, 2022 01:06:26
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.202
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 256
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	150955	2.35		ug/L	Standard
	Li	7	10331	9861	1.05		ug/L	Standard
	Be	9	11	13	33.53	0.001	ug/L	Standard
	Al	27	53531	134405242	0.97	4817.527	ug/L	Standard
	Be-1	9	11	13	33.53	0.000	ug/L	Standard
>	Sc	45	234282	261917	2.73		ug/L	Standard
	V	51	5015	2383	56.91	-0.159	ug/L	Standard
	V-1	51	3410	50295	9.52	2.058	ug/L	Standard
	Cr	52	14911	18167	10.22	0.028	ug/L	Standard
	Cr	53	1213	16980	8.52	6.962	ug/L	Standard
	Mn	55	7071	7863	2.41	-0.018	ug/L	Standard
	Fe	57	23864	5618134	3.44	10579.646	ug/L	Standard
	Co	59	272	2705	4.74	0.112	ug/L	Standard
	Ni	60	392	1802	4.82	0.286	ug/L	Standard
	Ni	62	105	507	27.84	0.566	ug/L	Standard
	Cu	63	3208	5887	4.80	0.207	ug/L	Standard
	Cu	65	1468	2096	1.84	0.078	ug/L	Standard
	Zn	66	655	1177	3.59	0.160	ug/L	Standard
	Zn	67	112	660	7.14	1.341	ug/L	Standard
	Zn	68	795	971	4.30	0.018	ug/L	Standard
	As-2	75	392	395	11.30	-0.026	ug/L	Standard
	As-3	75	545	1994	0.79	0.588	ug/L	Standard
	Se-1	77	143	631	3.35	2.649	ug/L	Standard
	Se-1	82	18	28	124.46	0.021	ug/L	Standard
>	Ge	72	32845	38809	1.16		ug/L	Standard
	As	75	392	395	11.30	0.001	ug/L	Standard
	As-1	75	545	1994	0.79	0.727	ug/L	Standard
	Se	77	143	631	3.35	3.218	ug/L	Standard
	Se	82	18	28	124.46	0.033	ug/L	Standard
	Y	89	344475	370070	1.96		ug/L	Standard
	Mo	98	287	709385	3.25	89.176	ug/L	Standard
	Ag	107	142	112	16.55	-0.002	ug/L	Standard
	Ag	109	144	122	27.29	-0.001	ug/L	Standard

	Cd	111	54	145	6.47	0.021	ug/L	Standard
	Cd	114	189	784	11.40	0.055	ug/L	Standard
>	In	115	482503	482584	3.06		ug/L	Standard
	Sb	121	2372	2998	2.52	0.051	ug/L	Standard
	Sb	123	1878	2297	1.05	0.044	ug/L	Standard
	Ba	135	54	162	2.23	0.033	ug/L	Standard
	Ba	137	91	274	10.08	0.034	ug/L	Standard
	Tb	159	609131	624821	1.04		ug/L	Standard
>	Ho	165	632987	650679	1.21		ug/L	Standard
	Hg	201	23	34	12.13	0.006	ug/L	Standard
	Hg	202	53	78	26.36	0.007	ug/L	Standard
	Tl	203	83	69	30.70	-0.001	ug/L	Standard
	Tl	205	188	172	17.53	-0.001	ug/L	Standard
	Pb	208	11117	11869	137.69	0.011	ug/L	Standard
	Bi	209	353336	347631	0.32		ug/L	Standard
	Th	232	3393	67405	13.31	1.469	ug/L	Standard
	U	238	53	180	16.02	0.003	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		95.222			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		111.795			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		118.159			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.017			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		102.795			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 25-200-0

Sample Date/Time: Thursday, August 25, 2022 01:15:33
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.204
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 259
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159442	1.11		ug/L	Standard
	Li	7	10331	10486	2.48		ug/L	Standard
	Be	9	11	624710	1.97	194.103	ug/L	Standard
	Al	27	53531	5930799	1.04	199.459	ug/L	Standard
	Be-1	9	11	624710	1.97	187.975	ug/L	Standard
>	Sc	45	234282	250418	1.37		ug/L	Standard
	V	51	5015	4020315	0.32	200.133	ug/L	Standard
	V-1	51	3410	4037407	0.17	199.322	ug/L	Standard
	Cr	52	14911	3432204	1.16	197.058	ug/L	Standard
	Cr	53	1213	394896	0.50	195.861	ug/L	Standard
	Mn	55	7071	4844721	1.05	197.765	ug/L	Standard
	Fe	57	23864	23160	2.35	-4.663	ug/L	Standard
	Co	59	272	3800221	4.56	197.662	ug/L	Standard
	Ni	60	392	814586	4.33	192.926	ug/L	Standard
	Ni	62	105	117422	4.03	192.306	ug/L	Standard
	Cu	63	3208	1777003	2.90	194.391	ug/L	Standard
	Cu	65	1468	818176	2.69	195.895	ug/L	Standard
	Zn	66	655	436718	3.68	191.873	ug/L	Standard
	Zn	67	112	68523	2.85	192.825	ug/L	Standard
	Zn	68	795	310563	1.84	194.811	ug/L	Standard
	As-2	75	392	461913	1.03	194.847	ug/L	Standard
	As-3	75	545	403294	1.43	194.840	ug/L	Standard
	Se-1	77	143	31664	2.39	200.558	ug/L	Standard
	Se-1	82	18	61752	1.00	197.183	ug/L	Standard
>	Ge	72	32845	34936	3.24		ug/L	Standard
	As	75	392	461913	1.03	196.117	ug/L	Standard
	As-1	75	545	403294	1.43	196.106	ug/L	Standard
	Se	77	143	31664	2.39	201.897	ug/L	Standard
	Se	82	18	61752	1.00	198.479	ug/L	Standard
	Y	89	344475	380109	0.88		ug/L	Standard
	Mo	98	287	1543640	2.51	188.599	ug/L	Standard
	Ag	107	142	2408533	2.13	181.235	ug/L	Standard
	Ag	109	144	3077166	0.36	175.979	ug/L	Standard

	Cd	111	54	852896	0.79	188.046	ug/L	Standard
	Cd	114	189	2147136	1.11	192.993	ug/L	Standard
>	In	115	482503	496504	1.39		ug/L	Standard
	Sb	121	2372	2616798	1.73	204.981	ug/L	Standard
	Sb	123	1878	1980600	3.36	202.488	ug/L	Standard
	Ba	135	54	637791	1.62	191.525	ug/L	Standard
	Ba	137	91	1080036	1.08	193.553	ug/L	Standard
	Tb	159	609131	627307	2.35		ug/L	Standard
>	Ho	165	632987	655085	0.94		ug/L	Standard
	Hg	201	23	41019	2.14	24.378	ug/L	Standard
	Hg	202	53	90090	1.32	24.436	ug/L	Standard
	Tl	203	83	3083789	0.57	191.527	ug/L	Standard
	Tl	205	188	7226037	0.37	188.114	ug/L	Standard
	Pb	208	11117	9569032	0.57	191.310	ug/L	Standard
	Bi	209	353336	349033	2.00		ug/L	Standard
	Th	232	3393	8518651	1.07	194.532	ug/L	Standard
	U	238	53	9316635	1.36	187.678	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.576			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		106.887			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		106.365			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.902			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		103.491			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 0-1000-0

Sample Date/Time: Thursday, August 25, 2022 01:20:05
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.205
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 260
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	154303	1.51		ug/L	Standard
	Li	7	10331	10152	2.54		ug/L	Standard
	Be	9	11	3050337	0.90	979.511	ug/L	Standard
	Al	27	53531	27827575	1.27	974.235	ug/L	Standard
	Be-1	9	11	3050337	0.90	920.421	ug/L	Standard
>	Sc	45	234282	249690	1.09		ug/L	Standard
	V	51	5015	19199978	1.74	925.170	ug/L	Standard
	V-1	51	3410	19171499	1.80	915.851	ug/L	Standard
	Cr	52	14911	16357981	1.88	911.680	ug/L	Standard
	Cr	53	1213	1848097	1.78	888.743	ug/L	Standard
	Mn	55	7071	23077607	2.93	912.092	ug/L	Standard
	Fe	57	23864	21771	1.98	-9.084	ug/L	Standard
	Co	59	272	18074539	4.33	909.713	ug/L	Standard
	Ni	60	392	3902449	3.62	894.717	ug/L	Standard
	Ni	62	105	556072	3.16	881.713	ug/L	Standard
	Cu	63	3208	8604825	4.00	911.824	ug/L	Standard
	Cu	65	1468	3968228	3.03	920.384	ug/L	Standard
	Zn	66	655	2121375	2.58	902.881	ug/L	Standard
	Zn	67	112	328721	2.81	895.989	ug/L	Standard
	Zn	68	795	1472473	2.15	895.300	ug/L	Standard
	As-2	75	392	2224703	2.41	908.033	ug/L	Standard
	As-3	75	545	1944121	2.81	909.200	ug/L	Standard
	Se-1	77	143	154546	2.35	950.526	ug/L	Standard
	Se-1	82	18	298832	1.45	923.204	ug/L	Standard
>	Ge	72	32845	36115	2.61		ug/L	Standard
	As	75	392	2224703	2.41	988.987	ug/L	Standard
	As-1	75	545	1944121	2.81	990.292	ug/L	Standard
	Se	77	143	154546	2.35	1034.838	ug/L	Standard
	Se	82	18	298832	1.45	1005.187	ug/L	Standard
	Y	89	344475	370840	0.92		ug/L	Standard
	Mo	98	287	7600345	2.51	971.805	ug/L	Standard
	Ag	107	142	12485868	2.85	983.049	ug/L	Standard
	Ag	109	144	16223782	2.23	970.683	ug/L	Standard

	Cd	111	54	4225386	2.26	974.730	ug/L	Standard
	Cd	114	189	10153436	1.55	955.036	ug/L	Standard
>	In	115	482503	474518	1.78		ug/L	Standard
	Sb	121	2372	11338175	4.91	929.799	ug/L	Standard
	Sb	123	1878	8687908	4.55	930.005	ug/L	Standard
	Ba	135	54	3295587	1.59	1035.622	ug/L	Standard
	Ba	137	91	5525191	1.10	1036.171	ug/L	Standard
	Tb	159	609131	590213	0.44		ug/L	Standard
>	Ho	165	632987	576447	0.11		ug/L	Standard
	Hg	201	23	194	27.31	0.117	ug/L	Standard
	Hg	202	53	412	26.50	0.112	ug/L	Standard
	Tl	203	83	11422477	0.99	806.176	ug/L	Standard
	Tl	205	188	27111588	0.23	802.058	ug/L	Standard
	Pb	208	11117	35569366	1.23	808.807	ug/L	Standard
	Bi	209	353336	266255	0.81		ug/L	Standard
	Th	232	3393	32623275	0.86	846.879	ug/L	Standard
	U	238	53	34823563	1.55	797.098	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.334			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.576			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		109.956			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		98.345			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		91.068			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 0-0-5000

Sample Date/Time: Thursday, August 25, 2022 01:24:37
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.206
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 252
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	157759	3.35		ug/L	Standard
	Li	7	10331	10209	2.93		ug/L	Standard
	Be	9	11	234	50.73	0.070	ug/L	Standard
	Al	27	53531	43369	8.20	-0.340	ug/L	Standard
	Be-1	9	11	234	50.73	0.066	ug/L	Standard
>	Sc	45	234282	250232	2.63		ug/L	Standard
	V	51	5015	6169	24.80	0.028	ug/L	Standard
	V-1	51	3410	2333	34.89	-0.069	ug/L	Standard
	Cr	52	14911	15643	18.23	-0.054	ug/L	Standard
	Cr	53	1213	523	17.72	-0.393	ug/L	Standard
	Mn	55	7071	6650	13.52	-0.048	ug/L	Standard
	Fe	57	23864	2375793	0.98	4697.489	ug/L	Standard
	Co	59	272	1703	41.92	0.070	ug/L	Standard
	Ni	60	392	435	35.51	-0.000	ug/L	Standard
	Ni	62	105	124	14.52	0.010	ug/L	Standard
	Cu	63	3208	4638	7.56	0.110	ug/L	Standard
	Cu	65	1468	2062	6.40	0.096	ug/L	Standard
	Zn	66	655	1663	2.90	0.390	ug/L	Standard
	Zn	67	112	280	10.57	0.417	ug/L	Standard
	Zn	68	795	1513	3.91	0.373	ug/L	Standard
	As-2	75	392	3776	13.15	1.343	ug/L	Standard
	As-3	75	545	3137	14.03	1.167	ug/L	Standard
	Se-1	77	143	448	21.89	1.755	ug/L	Standard
	Se-1	82	18	705	21.28	2.088	ug/L	Standard
>	Ge	72	32845	36748	2.76		ug/L	Standard
	As	75	392	3776	13.15	1.462	ug/L	Standard
	As-1	75	545	3137	14.03	1.282	ug/L	Standard
	Se	77	143	448	21.89	1.977	ug/L	Standard
	Se	82	18	705	21.28	2.246	ug/L	Standard
	Y	89	344475	365973	2.60		ug/L	Standard
	Mo	98	287	30737	22.97	3.785	ug/L	Standard
	Ag	107	142	4552	38.65	0.337	ug/L	Standard
	Ag	109	144	6140	39.02	0.348	ug/L	Standard

	Cd	111	54	355	76.80	0.067	ug/L	Standard
	Cd	114	189	834	81.65	0.058	ug/L	Standard
>	In	115	482503	487517	1.65		ug/L	Standard
	Sb	121	2372	213687	23.39	16.842	ug/L	Standard
	Sb	123	1878	164692	23.08	16.939	ug/L	Standard
	Ba	135	54	668	44.61	0.187	ug/L	Standard
	Ba	137	91	1180	42.43	0.198	ug/L	Standard
	Tb	159	609131	624876	0.15		ug/L	Standard
>	Ho	165	632987	643740	0.63		ug/L	Standard
	Hg	201	23	71	12.25	0.029	ug/L	Standard
	Hg	202	53	162	6.44	0.030	ug/L	Standard
	Tl	203	83	4576	43.43	0.284	ug/L	Standard
	Tl	205	188	10699	39.91	0.279	ug/L	Standard
	Pb	208	11117	27060	51.97	0.322	ug/L	Standard
	Bi	209	353336	363757	2.31		ug/L	Standard
	Th	232	3393	293497	22.70	6.748	ug/L	Standard
	U	238	53	7987	48.06	0.163	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		99.514			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		106.808			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		111.884			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.039			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.699			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Checklists

ICP/MS 200.8/6020B Method Data
Calculation/Review Checklist

Instrument: ICP/MS Sequence Date: 08/24/22 Curve #: 3

Item	Satisfactory		Deficient	
	Calc.	Review	Calc.	Review
Batch				
Tune, Optimization, and Daily Performance analyzed	N/A	N/A		
Initial Calibration analyzed and ≥ 0.995	✓	✓		
Initial Calibration Verification (ICV) ± 10% of True Value	✓	✓	Sb ✓	✓
Low Level ICV ± 20% of True Value	✓	✓	Ni ✓	✓
Spectral Interference Check (SIC) analyzed every 12 hours and less than 2 times LLOQ	✓	✓		
Linear Range analyzed ± 10% of True Value	✓	✓		
Continuing Calibration Verification (CCV) within limits (± 15% for 200.8 and ± 10% for 6020 of True Value)	✓	✓	✓	✓
Continuing Calibration Blank (CCB) < PQL	✓	✓	✓	✓
Dilution Test (± 20% of original sample concentration) and/or Post Spike (± 25% of original sample concentration) analyzed	N/A	N/A		
Internal Standards within limits (60-125% for 200.8 and 70-130% for 6020)	✓	✓	✓	✓
Laboratory Control Sample (LCS) recoveries within limits (85%-115% for 200.8 and 80-120% for 6020)	✓	✓		
Matrix Spike (MS) recoveries within limits (70%-130% for 200.8 and 75-125% for 6020)	✓	✓	✓	✓
RPDs within limits	✓	✓		✓
Non-Conformance Report filled out (if needed)	N/A	N/A		
Individual Projects/Part Reports				
Correct extraction information used in calculation	✓	✓		
Each analyte requested and detected on the instrument is reported as detected on part report	✓	✓		
Correct reporting limits listed for each analyte (including dilution factors)	✓	✓		
Correct method blank included in part report	✓	✓		
Extracted and analyzed dates entered correctly	✓	✓		
Worksheets initialed and dated	✓	✓		

Lower Limit of Quantitation (LLOQ) Study Completed: 08/09/22.

Linear Range – Fe: 5000 Hg: 25 Pb: 200 Most Analytes: 200 Other: 50: Ag 109

Notes: 200: Ni, Zn 68, Tl Both

Analyst's Initials and Date SR 08/25/22 Reviewer's Initials and Date 8/26/22

Revision Date: 08/09/22 sops\chklist\ICPMS6020review

EPA 6020B
Initial Calibrations

Quantitative Analysis Calibration Report

File Name: 08-24-22b.cal
File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-24-22b.cal
Calibration Type: External Calibration

3rd curve
S 08/25/22

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Li	7.016	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.02	0.00	0.999966
Al	26.982	Linear Thru Zero	0.18	0.00	0.999822
Be-1	9.012	Linear Thru Zero	0.01	0.00	0.999958
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
V	50.944	Linear Thru Zero	0.57	0.00	0.999965
V-1	50.944	Linear Thru Zero	0.58	0.00	0.999978
Cr	51.941	Linear Thru Zero	0.50	0.00	0.999945
Cr	52.941	Linear Thru Zero	0.06	0.00	0.999909
Mn	54.938	Linear Thru Zero	0.70	0.00	0.999971
Fe	56.935	Linear Thru Zero	0.01	0.00	0.999916
Co	58.933	Linear Thru Zero	0.55	0.00	0.999952
Ni	59.933	Linear Thru Zero	0.12	0.00	0.999911
Ni	61.928	Linear Thru Zero	0.02	0.00	0.999871
Cu	62.930	Linear Thru Zero	0.26	0.00	0.999921
Cu	64.928	Linear Thru Zero	0.12	0.00	0.999860
Zn	65.926	Linear Thru Zero	0.07	0.00	0.999943
Zn	66.927	Linear Thru Zero	0.01	0.00	0.999888
Zn	67.925	Linear Thru Zero	0.05	0.00	0.999914
As-2	74.922	Linear Thru Zero	0.07	0.00	0.999983
As-3	74.922	Linear Thru Zero	0.06	0.00	0.999991
Se-1	76.920	Linear Thru Zero	0.00	0.00	0.999731
Se-1	81.917	Linear Thru Zero	0.01	0.00	0.999996
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.00	0.00	0.999988
As-1	74.922	Linear Thru Zero	0.00	0.00	0.999979
Se	76.920	Linear Thru Zero	0.00	0.00	0.999923
Se	81.917	Linear Thru Zero	0.00	0.00	0.999970
Y	88.905	Linear Thru Zero	0.00	0.00	0.000000
Mo	97.906	Linear Thru Zero	0.02	0.00	0.999964
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999997
Ag	108.905	Linear Thru Zero	0.04	0.00	0.999973
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999998
Cd	113.904	Linear Thru Zero	0.02	0.00	1.000000
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.03	0.00	0.998476
Sb	122.904	Linear Thru Zero	0.02	0.00	0.998628
Ba	134.906	Linear Thru Zero	0.01	0.00	0.999999
Ba	136.905	Linear Thru Zero	0.01	0.00	0.999995
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000
Hg	200.970	Linear Thru Zero	0.00	0.00	0.999929
Hg	201.971	Linear Thru Zero	0.01	0.00	0.999936
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999954
Tl	204.975	Linear Thru Zero	0.06	0.00	0.999988
Pb	207.977	Linear Thru Zero	0.08	0.00	0.999980
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000
Th	232.038	Linear Thru Zero	0.07	0.00	0.998474
U	238.050	Linear Thru Zero	0.08	0.00	0.999999

Quantitative Analysis - Summary Report

Sample ID: blank

Sample Date/Time: Wednesday, August 24, 2022 23:48:40
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6		158529	2.18		ug/L	Standard
	Li	7		10331	2.35		ug/L	Standard
	Be	9		11	28.36		ug/L	Standard
	Al	27		53531	6.21		ug/L	Standard
	Be-1	9		11	28.36		ug/L	Standard
>	Sc	45		234282	1.70		ug/L	Standard
	V	51		5015	7.80		ug/L	Standard
	V-1	51		3410	1.32		ug/L	Standard
	Cr	52		14911	10.07		ug/L	Standard
	Cr	53		1213	0.83		ug/L	Standard
	Mn	55		7071	1.95		ug/L	Standard
	Fe	57		23864	2.24		ug/L	Standard
	Co	59		272	1.39		ug/L	Standard
	Ni	60		392	8.31		ug/L	Standard
	Ni	62		105	11.87		ug/L	Standard
	Cu	63		3208	1.34		ug/L	Standard
	Cu	65		1468	1.46		ug/L	Standard
	Zn	66		655	4.12		ug/L	Standard
	Zn	67		112	12.16		ug/L	Standard
	Zn	68		795	4.48		ug/L	Standard
	As-2	75		392	0.58		ug/L	Standard
	As-3	75		545	2.68		ug/L	Standard
	Se-1	77		143	11.86		ug/L	Standard
	Se-1	82		18	8.60		ug/L	Standard
>	Ge	72		32845	0.57		ug/L	Standard
	As	75		392	0.58		ug/L	Standard
	As-1	75		545	2.68		ug/L	Standard
	Se	77		143	11.86		ug/L	Standard
	Se	82		18	8.60		ug/L	Standard
	Y	89		344475	2.36		ug/L	Standard
	Mo	98		287	16.34		ug/L	Standard
	Ag	107		142	48.87		ug/L	Standard
	Ag	109		144	4.53		ug/L	Standard

	Cd	111	54	4.74	ug/L	Standard
	Cd	114	189	6.00	ug/L	Standard
>	In	115	482503	1.18	ug/L	Standard
	Sb	121	2372	4.16	ug/L	Standard
	Sb	123	1878	2.69	ug/L	Standard
	Ba	135	54	16.70	ug/L	Standard
	Ba	137	91	13.58	ug/L	Standard
	Tb	159	609131	2.88	ug/L	Standard
>	Ho	165	632987	3.00	ug/L	Standard
	Hg	201	23	27.15	ug/L	Standard
	Hg	202	53	8.97	ug/L	Standard
	Tl	203	83	1.85	ug/L	Standard
	Tl	205	188	10.90	ug/L	Standard
	Pb	208	11117	141.01	ug/L	Standard
	Bi	209	353336	1.55	ug/L	Standard
	Th	232	3393	3.46	ug/L	Standard
	U	238	53	38.49	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 0.2 ppb i8-142b

Sample Date/Time: Wednesday, August 24, 2022 23:53:14
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.186
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 2
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160201	1.43		ug/L	Standard
	Li	7	10331	10408	2.03		ug/L	Standard
	Be	9	11	657	6.51	0.200	ug/L	Standard
	Al	27	53531	44259	12.89	0.200	ug/L	Standard
	Be-1	9	11	657	6.51	0.200	ug/L	Standard
>	Sc	45	234282	238152	2.76		ug/L	Standard
	V	51	5015	8618	6.05	0.200	ug/L	Standard
	V-1	51	3410	7298	0.71	0.200	ug/L	Standard
	Cr	52	14911	17461	9.97	0.200	ug/L	Standard
	Cr	53	1213	1529	6.10	0.200	ug/L	Standard
	Mn	55	7071	9844	2.57	0.200	ug/L	Standard
	Fe	57	23864	24754	2.38	2.000	ug/L	Standard
	Co	59	272	4059	2.42	0.200	ug/L	Standard
	Ni	60	392	1251	1.92	0.200	ug/L	Standard
	Ni	62	105	221	8.06	0.200	ug/L	Standard
	Cu	63	3208	4720	1.15	0.200	ug/L	Standard
	Cu	65	1468	2169	0.74	0.200	ug/L	Standard
	Zn	66	655	913	2.62	0.200	ug/L	Standard
	Zn	67	112	157	8.39	0.200	ug/L	Standard
	Zn	68	795	1015	0.97	0.200	ug/L	Standard
	As-2	75	392	912	6.37	0.200	ug/L	Standard
	As-3	75	545	931	1.94	0.200	ug/L	Standard
	Se-1	77	143	167	9.89	0.200	ug/L	Standard
	Se-1	82	18	79	13.73	0.200	ug/L	Standard
>	Ge	72	32845	33103	2.61		ug/L	Standard
	As	75	392	912	6.37	0.200	ug/L	Standard
	As-1	75	545	931	1.94	0.200	ug/L	Standard
	Se	77	143	167	9.89	0.200	ug/L	Standard
	Se	82	18	79	13.73	0.200	ug/L	Standard
	Y	89	344475	352157	1.31		ug/L	Standard
	Mo	98	287	1802	3.66	0.200	ug/L	Standard
	Ag	107	142	2698	4.67	0.200	ug/L	Standard
	Ag	109	144	3502	2.04	0.200	ug/L	Standard

	Cd	111	54	984	3.16	0.200	ug/L	Standard
	Cd	114	189	2451	3.37	0.200	ug/L	Standard
>	In	115	482503	493467	2.64		ug/L	Standard
	Sb	121	2372	4350	1.73	0.200	ug/L	Standard
	Sb	123	1878	3280	1.79	0.200	ug/L	Standard
	Ba	135	54	681	5.73	0.200	ug/L	Standard
	Ba	137	91	1206	4.73	0.200	ug/L	Standard
	Tb	159	609131	617064	0.54		ug/L	Standard
>	Ho	165	632987	641786	1.22		ug/L	Standard
	Hg	201	23	82	15.28	0.040	ug/L	Standard
	Hg	202	53	186	11.04	0.040	ug/L	Standard
	Tl	203	83	3240	2.64	0.200	ug/L	Standard
	Tl	205	188	7844	0.91	0.200	ug/L	Standard
	Pb	208	11117	31147	107.02	0.200	ug/L	Standard
	Bi	209	353336	359652	2.69		ug/L	Standard
	Th	232	3393	7667	3.97	0.200	ug/L	Standard
	U	238	53	9777	2.56	0.200	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 1 ppb i8-139a

Sample Date/Time: Wednesday, August 24, 2022 23:57:49
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.187
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 3
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160543	0.46		ug/L	Standard
	Li	7	10331	10436	1.55		ug/L	Standard
	Be	9	11	3242	0.80	1.000	ug/L	Standard
	Al	27	53531	69341	0.66	1.196	ug/L	Standard
	Be-1	9	11	3242	0.80	1.000	ug/L	Standard
>	Sc	45	234282	238206	1.76		ug/L	Standard
	V	51	5015	23988	2.93	1.002	ug/L	Standard
	V-1	51	3410	22672	0.86	1.000	ug/L	Standard
	Cr	52	14911	30552	5.31	1.008	ug/L	Standard
	Cr	53	1213	3052	1.80	1.006	ug/L	Standard
	Mn	55	7071	28200	2.22	1.014	ug/L	Standard
	Fe	57	23864	28121	2.58	10.036	ug/L	Standard
	Co	59	272	18843	3.69	0.999	ug/L	Standard
	Ni	60	392	6336	3.98	1.011	ug/L	Standard
	Ni	62	105	964	3.20	1.013	ug/L	Standard
	Cu	63	3208	11563	4.29	1.004	ug/L	Standard
	Cu	65	1468	5301	4.86	1.004	ug/L	Standard
	Zn	66	655	2808	4.24	1.016	ug/L	Standard
	Zn	67	112	436	9.89	1.012	ug/L	Standard
	Zn	68	795	2304	7.80	1.011	ug/L	Standard
	As-2	75	392	2635	8.16	0.994	ug/L	Standard
	As-3	75	545	2493	3.20	1.001	ug/L	Standard
	Se-1	77	143	307	6.92	1.011	ug/L	Standard
	Se-1	82	18	312	13.35	0.998	ug/L	Standard
>	Ge	72	32845	33214	4.50		ug/L	Standard
	As	75	392	2635	8.16	0.995	ug/L	Standard
	As-1	75	545	2493	3.20	1.002	ug/L	Standard
	Se	77	143	307	6.92	1.014	ug/L	Standard
	Se	82	18	312	13.35	0.999	ug/L	Standard
	Y	89	344475	355164	0.98		ug/L	Standard
	Mo	98	287	7880	2.29	1.001	ug/L	Standard
	Ag	107	142	12711	5.17	1.000	ug/L	Standard
	Ag	109	144	17090	4.68	1.001	ug/L	Standard

	Cd	111	54	4532	0.41	0.999	ug/L	Standard
	Cd	114	189	10939	1.50	0.999	ug/L	Standard
>	In	115	482503	485913	1.96		ug/L	Standard
	Sb	121	2372	12109	2.56	1.001	ug/L	Standard
	Sb	123	1878	9375	4.32	1.004	ug/L	Standard
	Ba	135	54	3229	1.81	1.001	ug/L	Standard
	Ba	137	91	5482	3.24	0.999	ug/L	Standard
	Tb	159	609131	617314	1.52		ug/L	Standard
>	Ho	165	632987	639785	1.18		ug/L	Standard
	Hg	201	23	285	8.21	0.199	ug/L	Standard
	Hg	202	53	607	5.39	0.199	ug/L	Standard
	Tl	203	83	15869	0.83	1.000	ug/L	Standard
	Tl	205	188	37324	1.05	0.999	ug/L	Standard
	Pb	208	11117	61119	28.88	0.963	ug/L	Standard
	Bi	209	353336	352924	2.10		ug/L	Standard
	Th	232	3393	20999	5.33	0.992	ug/L	Standard
	U	238	53	47667	0.92	0.999	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 5 ppb i8-140a

Sample Date/Time: Thursday, August 25, 2022 00:02:24
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.188
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 4
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160193	1.39		ug/L	Standard
	Li	7	10331	10458	2.12		ug/L	Standard
	Be	9	11	16158	0.86	5.000	ug/L	Standard
	Al	27	53531	181842	0.65	5.103	ug/L	Standard
	Be-1	9	11	16158	0.86	4.999	ug/L	Standard
>	Sc	45	234282	239602	1.30		ug/L	Standard
	V	51	5015	103696	0.90	5.006	ug/L	Standard
	V-1	51	3410	102460	2.00	5.003	ug/L	Standard
	Cr	52	14911	100441	1.35	5.017	ug/L	Standard
	Cr	53	1213	11141	1.42	5.014	ug/L	Standard
	Mn	55	7071	125008	2.18	5.021	ug/L	Standard
	Fe	57	23864	47150	1.73	50.218	ug/L	Standard
	Co	59	272	94502	2.09	5.000	ug/L	Standard
	Ni	60	392	20665	1.47	4.908	ug/L	Standard
	Ni	62	105	3039	2.36	4.909	ug/L	Standard
	Cu	63	3208	47563	2.61	5.010	ug/L	Standard
	Cu	65	1468	21833	2.08	5.010	ug/L	Standard
	Zn	66	655	11528	2.40	5.003	ug/L	Standard
	Zn	67	112	1822	1.78	5.011	ug/L	Standard
	Zn	68	795	8564	3.70	5.006	ug/L	Standard
	As-2	75	392	12030	2.10	5.004	ug/L	Standard
	As-3	75	545	10696	0.31	5.006	ug/L	Standard
	Se-1	77	143	915	3.37	4.988	ug/L	Standard
	Se-1	82	18	1536	3.54	5.003	ug/L	Standard
>	Ge	72	32845	33658	1.24		ug/L	Standard
	As	75	392	12030	2.10	5.004	ug/L	Standard
	As-1	75	545	10696	0.31	5.006	ug/L	Standard
	Se	77	143	915	3.37	4.988	ug/L	Standard
	Se	82	18	1536	3.54	5.003	ug/L	Standard
	Y	89	344475	359094	1.57		ug/L	Standard
	Mo	98	287	39715	0.48	5.005	ug/L	Standard
	Ag	107	142	64605	2.15	5.002	ug/L	Standard
	Ag	109	144	87252	1.02	5.003	ug/L	Standard

	Cd	111	54	22714	1.29	4.999	ug/L	Standard
	Cd	114	189	55095	0.46	5.001	ug/L	Standard
>	In	115	482503	493533	0.92		ug/L	Standard
	Sb	121	2372	53421	3.60	5.007	ug/L	Standard
	Sb	123	1878	41174	4.21	5.007	ug/L	Standard
	Ba	135	54	16387	1.60	5.003	ug/L	Standard
	Ba	137	91	27339	1.76	4.999	ug/L	Standard
	Tb	159	609131	614991	1.35		ug/L	Standard
>	Ho	165	632987	637718	1.54		ug/L	Standard
	Hg	201	23	1610	2.93	1.007	ug/L	Standard
	Hg	202	53	3544	1.98	1.008	ug/L	Standard
	Tl	203	83	79381	2.56	5.002	ug/L	Standard
	Tl	205	188	189963	3.07	5.005	ug/L	Standard
	Pb	208	11117	255806	6.06	4.989	ug/L	Standard
	Bi	209	353336	358652	2.90		ug/L	Standard
	Th	232	3393	130120	16.03	5.061	ug/L	Standard
	U	238	53	243568	2.35	5.005	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a

Sample Date/Time: Thursday, August 25, 2022 00:06:59
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a.189
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160309	2.22		ug/L	Standard
	Li	7	10331	10497	1.94		ug/L	Standard
	Be	9	11	79585	3.28	24.985	ug/L	Standard
	Al	27	53531	786419	2.78	25.145	ug/L	Standard
	Be-1	9	11	79585	3.28	24.966	ug/L	Standard
>	Sc	45	234282	244224	2.72		ug/L	Standard
	V	51	5015	496762	2.08	24.998	ug/L	Standard
	V-1	51	3410	497730	1.94	24.999	ug/L	Standard
	Cr	52	14911	441821	2.02	25.005	ug/L	Standard
	Cr	53	1213	50980	1.29	25.007	ug/L	Standard
	Mn	55	7071	605450	1.63	25.020	ug/L	Standard
	Fe	57	23864	141993	2.04	250.384	ug/L	Standard
	Co	59	272	472243	1.31	25.002	ug/L	Standard
	Ni	60	392	104131	1.36	25.005	ug/L	Standard
	Ni	62	105	15203	2.46	25.011	ug/L	Standard
	Cu	63	3208	228641	1.78	25.019	ug/L	Standard
	Cu	65	1468	105313	2.46	25.023	ug/L	Standard
	Zn	66	655	56578	1.59	25.029	ug/L	Standard
	Zn	67	112	8919	2.72	25.032	ug/L	Standard
	Zn	68	795	40136	1.97	25.016	ug/L	Standard
	As-2	75	392	58135	2.10	24.993	ug/L	Standard
	As-3	75	545	50776	1.83	24.991	ug/L	Standard
	Se-1	77	143	4108	3.43	25.027	ug/L	Standard
	Se-1	82	18	7607	3.74	25.000	ug/L	Standard
>	Ge	72	32845	33668	0.79		ug/L	Standard
	As	75	392	58135	2.10	24.997	ug/L	Standard
	As-1	75	545	50776	1.83	24.995	ug/L	Standard
	Se	77	143	4108	3.43	25.030	ug/L	Standard
	Se	82	18	7607	3.74	25.003	ug/L	Standard
	Y	89	344475	355677	3.52		ug/L	Standard
	Mo	98	287	199794	3.99	25.016	ug/L	Standard
	Ag	107	142	329167	2.01	25.024	ug/L	Standard
	Ag	109	144	439768	2.64	25.013	ug/L	Standard

	Cd	111	54	112808	1.71	24.998	ug/L	Standard
	Cd	114	189	275624	1.65	25.007	ug/L	Standard
>	In	115	482503	491936	1.77		ug/L	Standard
	Sb	121	2372	285776	5.52	25.104	ug/L	Standard
	Sb	123	1878	220381	4.94	25.106	ug/L	Standard
	Ba	135	54	82606	0.99	25.015	ug/L	Standard
	Ba	137	91	137496	0.78	25.012	ug/L	Standard
	Tb	159	609131	614228	0.56		ug/L	Standard
>	Ho	165	632987	641027	1.62		ug/L	Standard
	Hg	201	23	8071	2.78	5.003	ug/L	Standard
	Hg	202	53	17710	0.87	5.003	ug/L	Standard
	Tl	203	83	401459	1.35	25.008	ug/L	Standard
	Tl	205	188	948478	0.68	24.995	ug/L	Standard
	Pb	208	11117	1245335	1.40	25.002	ug/L	Standard
	Bi	209	353336	356440	1.30		ug/L	Standard
	Th	232	3393	991346	10.79	25.369	ug/L	Standard
	U	238	53	1211163	1.68	24.991	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 50 ppb i8-142a

Sample Date/Time: Thursday, August 25, 2022 00:11:33
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.190
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 6
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159089	0.64		ug/L	Standard
	Li	7	10331	10365	3.02		ug/L	Standard
	Be	9	11	161252	1.01	50.208	ug/L	Standard
	Al	27	53531	1530475	1.42	50.223	ug/L	Standard
	Be-1	9	11	161252	1.01	50.219	ug/L	Standard
>	Sc	45	234282	241923	2.30		ug/L	Standard
	V	51	5015	982861	1.02	49.786	ug/L	Standard
	V-1	51	3410	990565	0.84	49.831	ug/L	Standard
	Cr	52	14911	859376	1.48	49.735	ug/L	Standard
	Cr	53	1213	98929	1.40	49.659	ug/L	Standard
	Mn	55	7071	1199582	0.32	49.821	ug/L	Standard
	Fe	57	23864	255944	1.55	496.857	ug/L	Standard
	Co	59	272	935302	0.68	49.750	ug/L	Standard
	Ni	60	392	205628	0.40	49.737	ug/L	Standard
	Ni	62	105	29728	0.93	49.652	ug/L	Standard
	Cu	63	3208	446821	2.08	49.684	ug/L	Standard
	Cu	65	1468	203741	2.43	49.578	ug/L	Standard
	Zn	66	655	111241	2.05	49.740	ug/L	Standard
	Zn	67	112	17341	2.74	49.627	ug/L	Standard
	Zn	68	795	78096	2.17	49.668	ug/L	Standard
	As-2	75	392	115999	3.64	49.851	ug/L	Standard
	As-3	75	545	101515	3.72	49.892	ug/L	Standard
	Se-1	77	143	7746	3.46	49.412	ug/L	Standard
	Se-1	82	18	15320	3.54	49.929	ug/L	Standard
>	Ge	72	32845	34179	2.54		ug/L	Standard
	As	75	392	115999	3.64	50.124	ug/L	Standard
	As-1	75	545	101515	3.72	50.165	ug/L	Standard
	Se	77	143	7746	3.46	49.693	ug/L	Standard
	Se	82	18	15320	3.54	50.198	ug/L	Standard
	Y	89	344475	358720	2.52		ug/L	Standard
	Mo	98	287	402982	2.52	50.214	ug/L	Standard
	Ag	107	142	651373	0.83	50.016	ug/L	Standard
	Ag	109	144	853803	0.83	49.814	ug/L	Standard

	Cd	111	54	222075	0.88	49.952	ug/L	Standard
	Cd	114	189	545423	1.48	50.009	ug/L	Standard
>	In	115	482503	486583	1.18		ug/L	Standard
	Sb	121	2372	644809	1.93	51.394	ug/L	Standard
	Sb	123	1878	493354	2.41	51.320	ug/L	Standard
	Ba	135	54	163203	1.75	49.995	ug/L	Standard
	Ba	137	91	273948	1.60	50.080	ug/L	Standard
	Tb	159	609131	622424	2.78		ug/L	Standard
>	Ho	165	632987	645533	2.63		ug/L	Standard
	Hg	201	23	16688	1.74	10.059	ug/L	Standard
	Hg	202	53	36557	2.15	10.055	ug/L	Standard
	Tl	203	83	789306	0.89	49.756	ug/L	Standard
	Tl	205	188	1887631	1.09	49.878	ug/L	Standard
	Pb	208	11117	2465678	0.35	49.871	ug/L	Standard
	Bi	209	353336	353753	1.77		ug/L	Standard
	Th	232	3393	2211096	3.84	51.185	ug/L	Standard
	U	238	53	2446644	0.93	50.028	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 30 ppb i8-143a ICV

Sample Date/Time: Thursday, August 25, 2022 00:25:17
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 7
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159397	0.82		ug/L	Standard
	Li	7	10331	10430	1.89		ug/L	Standard
	Be	9	11	95311	1.54	29.620	ug/L	Standard
	Al	27	53531	921375	0.97	29.451	ug/L	Standard
	Be-1	9	11	95311	1.54	29.405	ug/L	Standard
>	Sc	45	234282	244165	0.61		ug/L	Standard
	V	51	5015	591828	0.70	30.349	ug/L	Standard
	V-1	51	3410	592762	0.91	30.219	ug/L	Standard
	Cr	52	14911	522540	0.97	30.371	ug/L	Standard
	Cr	53	1213	59868	1.02	30.276	ug/L	Standard
	Mn	55	7071	717253	0.59	30.133	ug/L	Standard
	Fe	57	23864	161761	1.57	299.914	ug/L	Standard
	Co	59	272	559415	0.74	30.215	ug/L	Standard
	Ni	60	392	121623	0.80	29.841	ug/L	Standard
	Ni	62	105	17645	0.98	29.862	ug/L	Standard
	Cu	63	3208	273283	1.56	30.733	ug/L	Standard
	Cu	65	1468	125154	1.27	30.804	ug/L	Standard
	Zn	66	655	66394	1.01	30.041	ug/L	Standard
	Zn	67	112	10468	1.01	30.309	ug/L	Standard
	Zn	68	795	47345	1.40	30.389	ug/L	Standard
	As-2	75	392	69286	1.72	30.190	ug/L	Standard
	As-3	75	545	60674	1.13	30.195	ug/L	Standard
	Se-1	77	143	4755	0.26	30.458	ug/L	Standard
	Se-1	82	18	9249	4.34	30.604	ug/L	Standard
>	Ge	72	32845	33638	0.62		ug/L	Standard
	As	75	392	69286	1.72	29.790	ug/L	Standard
	As-1	75	545	60674	1.13	29.795	ug/L	Standard
	Se	77	143	4755	0.26	30.061	ug/L	Standard
	Se	82	18	9249	4.34	30.198	ug/L	Standard
	Y	89	344475	365596	3.90		ug/L	Standard
	Mo	98	287	237372	3.86	29.484	ug/L	Standard
	Ag	107	142	389566	3.42	29.822	ug/L	Standard
	Ag	109	144	514767	1.72	29.951	ug/L	Standard

	Cd	111	54	131877	1.95	29.580	ug/L	Standard
	Cd	114	189	322802	0.87	29.516	ug/L	Standard
>	In	115	482503	487828	1.33		ug/L	Standard
	Sb	121	2372	326888	7.51	25.889	ug/L	Standard
	Sb	123	1878	251209	6.66	25.966	ug/L	Standard
	Ba	135	54	95983	0.80	29.326	ug/L	Standard
	Ba	137	91	161123	1.70	29.378	ug/L	Standard
	Tb	159	609131	615045	2.02		ug/L	Standard
>	Ho	165	632987	636680	2.58		ug/L	Standard
	Hg	201	23	10291	3.38	6.282	ug/L	Standard
	Hg	202	53	22645	2.88	6.308	ug/L	Standard
	Tl	203	83	471011	2.17	30.095	ug/L	Standard
	Tl	205	188	1118990	2.72	29.966	ug/L	Standard
	Pb	208	11117	1486079	2.77	30.376	ug/L	Standard
	Bi	209	353336	357169	2.16		ug/L	Standard
	Th	232	3393	1158667	14.64	27.098	ug/L	Standard
	U	238	53	1451453	1.92	30.087	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.547			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.218			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.415			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.104			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.583			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB

Sample Date/Time: Thursday, August 25, 2022 00:29:52
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.194
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159536	2.30		ug/L	Standard
	Li	7	10331	10307	2.23		ug/L	Standard
	Be	9	11	22	45.30	0.003	ug/L	Standard
	Al	27	53531	51540	6.48	-0.080	ug/L	Standard
	Be-1	9	11	22	45.30	0.003	ug/L	Standard
>	Sc	45	234282	243310	3.79		ug/L	Standard
	V	51	5015	5011	12.97	-0.008	ug/L	Standard
	V-1	51	3410	2732	4.88	-0.040	ug/L	Standard
	Cr	52	14911	15030	11.02	-0.018	ug/L	Standard
	Cr	53	1213	933	6.73	-0.162	ug/L	Standard
	Mn	55	7071	7247	2.49	-0.001	ug/L	Standard
	Fe	57	23864	24350	1.28	-0.455	ug/L	Standard
	Co	59	272	320	18.86	0.002	ug/L	Standard
	Ni	60	392	400	3.76	-0.001	ug/L	Standard
	Ni	62	105	109	11.87	0.001	ug/L	Standard
	Cu	63	3208	3283	2.17	-0.002	ug/L	Standard
	Cu	65	1468	1540	2.50	0.007	ug/L	Standard
	Zn	66	655	650	7.68	-0.011	ug/L	Standard
	Zn	67	112	114	2.83	-0.004	ug/L	Standard
	Zn	68	795	829	4.26	0.007	ug/L	Standard
	As-2	75	392	625	18.88	0.097	ug/L	Standard
	As-3	75	545	675	3.35	0.057	ug/L	Standard
	Se-1	77	143	158	5.52	0.073	ug/L	Standard
	Se-1	82	18	80	48.78	0.206	ug/L	Standard
>	Ge	72	32845	33807	1.31		ug/L	Standard
	As	75	392	625	18.88	0.099	ug/L	Standard
	As-1	75	545	675	3.35	0.062	ug/L	Standard
	Se	77	143	158	5.52	0.091	ug/L	Standard
	Se	82	18	80	48.78	0.205	ug/L	Standard
	Y	89	344475	366310	2.72		ug/L	Standard
	Mo	98	287	3067	12.65	0.346	ug/L	Standard
	Ag	107	142	643	19.43	0.038	ug/L	Standard
	Ag	109	144	831	23.30	0.040	ug/L	Standard

	Cd	111	54	75	24.39	0.005	ug/L	Standard
	Cd	114	189	192	27.78	0.000	ug/L	Standard
>	In	115	482503	487310	0.39		ug/L	Standard
	Sb	121	2372	24938	18.28	1.802	ug/L	Standard
	Sb	123	1878	19403	17.62	1.826	ug/L	Standard
	Ba	135	54	87	26.22	0.010	ug/L	Standard
	Ba	137	91	150	27.84	0.011	ug/L	Standard
	Tb	159	609131	616984	0.37		ug/L	Standard
>	Ho	165	632987	639734	0.35		ug/L	Standard
	Hg	201	23	105	16.51	0.050	ug/L	Standard
	Hg	202	53	262	17.57	0.058	ug/L	Standard
	Tl	203	83	761	38.76	0.043	ug/L	Standard
	Tl	205	188	1860	33.39	0.044	ug/L	Standard
	Pb	208	11117	14855	137.54	0.074	ug/L	Standard
	Bi	209	353336	357966	0.74		ug/L	Standard
	Th	232	3393	90679	22.64	2.040	ug/L	Standard
	U	238	53	727	39.67	0.014	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.635			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		103.853			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.928			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.996			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.066			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB rr

Sample Date/Time: Thursday, August 25, 2022 00:39:01
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161530	2.43		ug/L	Standard
	Li	7	10331	10425	3.14		ug/L	Standard
	Be	9	11	12	57.52	0.000	ug/L	Standard
	Al	27	53531	53922	8.14	-0.019	ug/L	Standard
	Be-1	9	11	12	57.52	0.000	ug/L	Standard
>	Sc	45	234282	244222	1.95		ug/L	Standard
	V	51	5015	4881	14.67	-0.015	ug/L	Standard
	V-1	51	3410	2502	3.85	-0.051	ug/L	Standard
	Cr	52	14911	15172	13.76	-0.011	ug/L	Standard
	Cr	53	1213	930	6.69	-0.164	ug/L	Standard
	Mn	55	7071	7237	2.99	-0.002	ug/L	Standard
	Fe	57	23864	24040	2.66	-1.153	ug/L	Standard
	Co	59	272	308	17.12	0.002	ug/L	Standard
	Ni	60	392	416	4.67	0.003	ug/L	Standard
	Ni	62	105	107	5.49	-0.003	ug/L	Standard
	Cu	63	3208	3311	1.28	0.001	ug/L	Standard
	Cu	65	1468	1503	2.37	-0.002	ug/L	Standard
	Zn	66	655	647	14.51	-0.012	ug/L	Standard
	Zn	67	112	109	10.14	-0.018	ug/L	Standard
	Zn	68	795	835	8.47	0.010	ug/L	Standard
	As-2	75	392	450	9.56	0.020	ug/L	Standard
	As-3	75	545	549	8.70	-0.006	ug/L	Standard
	Se-1	77	143	130	10.58	-0.111	ug/L	Standard
	Se-1	82	18	5	528.79	-0.043	ug/L	Standard
>	Ge	72	32845	33818	0.22		ug/L	Standard
	As	75	392	450	9.56	0.021	ug/L	Standard
	As-1	75	545	549	8.70	-0.004	ug/L	Standard
	Se	77	143	130	10.58	-0.100	ug/L	Standard
	Se	82	18	5	528.79	-0.041	ug/L	Standard
	Y	89	344475	367943	2.63		ug/L	Standard
	Mo	98	287	710	18.33	0.052	ug/L	Standard
	Ag	107	142	185	14.09	0.003	ug/L	Standard
	Ag	109	144	230	6.40	0.005	ug/L	Standard

	Cd	111	54	72	37.32	0.004	ug/L	Standard
	Cd	114	189	170	23.77	-0.002	ug/L	Standard
>	In	115	482503	492968	2.50		ug/L	Standard
	Sb	121	2372	4960	1.54	0.200	ug/L	Standard
	Sb	123	1878	3797	0.70	0.194	ug/L	Standard
	Ba	135	54	56	14.41	0.000	ug/L	Standard
	Ba	137	91	94	15.10	0.000	ug/L	Standard
	Tb	159	609131	619805	0.25		ug/L	Standard
>	Ho	165	632987	642105	1.21		ug/L	Standard
	Hg	201	23	40	27.31	0.010	ug/L	Standard
	Hg	202	53	94	8.08	0.011	ug/L	Standard
	Tl	203	83	186	9.97	0.006	ug/L	Standard
	Tl	205	188	431	10.54	0.006	ug/L	Standard
	Pb	208	11117	16065	150.89	0.102	ug/L	Standard
	Bi	209	353336	360222	3.03		ug/L	Standard
	Th	232	3393	18009	1.64	0.340	ug/L	Standard
	U	238	53	161	35.32	0.002	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.893			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.242			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.961			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.169			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.440			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 0.2 ppb i8-142b LLICV

Sample Date/Time: Thursday, August 25, 2022 00:43:36
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.197
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 2
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160098	2.42		ug/L	Standard
	Li	7	10331	10492	4.00		ug/L	Standard
	Be	9	11	669	0.62	0.204	ug/L	Standard
	Al	27	53531	42363	5.51	-0.396	ug/L	Standard
	Be-1	9	11	669	0.62	0.204	ug/L	Standard
>	Sc	45	234282	242782	1.72		ug/L	Standard
	V	51	5015	8705	5.97	0.178	ug/L	Standard
	V-1	51	3410	6547	3.44	0.152	ug/L	Standard
	Cr	52	14911	17346	7.86	0.109	ug/L	Standard
	Cr	53	1213	1258	2.98	-0.001	ug/L	Standard
	Mn	55	7071	9760	1.17	0.101	ug/L	Standard
	Fe	57	23864	24916	1.08	0.250	ug/L	Standard
	Co	59	272	4058	4.20	0.201	ug/L	Standard
	Ni	60	392	1228	1.34	0.199	ug/L	Standard
	Ni	62	105	219	10.19	0.183	ug/L	Standard
	Cu	63	3208	4742	1.98	0.158	ug/L	Standard
	Cu	65	1468	2202	1.23	0.166	ug/L	Standard
	Zn	66	655	921	4.47	0.108	ug/L	Standard
	Zn	67	112	157	7.09	0.119	ug/L	Standard
	Zn	68	795	1008	3.85	0.117	ug/L	Standard
	As-2	75	392	913	4.44	0.219	ug/L	Standard
	As-3	75	545	922	1.69	0.176	ug/L	Standard
	Se-1	77	143	159	12.00	0.069	ug/L	Standard
	Se-1	82	18	104	10.61	0.278	ug/L	Standard
>	Ge	72	32845	34134	0.84		ug/L	Standard
	As	75	392	913	4.44	0.221	ug/L	Standard
	As-1	75	545	922	1.69	0.182	ug/L	Standard
	Se	77	143	159	12.00	0.090	ug/L	Standard
	Se	82	18	104	10.61	0.279	ug/L	Standard
	Y	89	344475	368286	1.37		ug/L	Standard
	Mo	98	287	2077	5.22	0.221	ug/L	Standard
	Ag	107	142	2683	2.55	0.193	ug/L	Standard
	Ag	109	144	3594	3.09	0.200	ug/L	Standard

	Cd	111	54	993	4.60	0.210	ug/L	Standard
	Cd	114	189	2345	1.56	0.196	ug/L	Standard
>	In	115	482503	490539	1.16		ug/L	Standard
	Sb	121	2372	5855	2.78	0.273	ug/L	Standard
	Sb	123	1878	4467	5.18	0.265	ug/L	Standard
	Ba	135	54	710	5.49	0.199	ug/L	Standard
	Ba	137	91	1133	2.07	0.189	ug/L	Standard
	Tb	159	609131	614743	2.29		ug/L	Standard
>	Ho	165	632987	644805	2.15		ug/L	Standard
	Hg	201	23	91	4.46	0.041	ug/L	Standard
	Hg	202	53	214	4.86	0.044	ug/L	Standard
	Tl	203	83	3327	2.92	0.205	ug/L	Standard
	Tl	205	188	8099	1.05	0.209	ug/L	Standard
	Pb	208	11117	12438	7.01	0.023	ug/L	Standard
	Bi	209	353336	359262	0.88		ug/L	Standard
	Th	232	3393	18248	2.33	0.344	ug/L	Standard
	U	238	53	9941	3.13	0.202	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.990			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		103.628			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		103.924			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.666			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.867			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 1 ppb i8-139a LLICV

Sample Date/Time: Thursday, August 25, 2022 00:48:11
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.198
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 3
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160442	0.85		ug/L	Standard
	Li	7	10331	10542	1.18		ug/L	Standard
	Be	9	11	3290	1.67	1.012	ug/L	Standard
	Al	27	53531	69347	4.43	0.512	ug/L	Standard
	Be-1	9	11	3290	1.67	0.992	ug/L	Standard
>	Sc	45	234282	249082	2.82		ug/L	Standard
	V	51	5015	24567	1.93	0.977	ug/L	Standard
	V-1	51	3410	22506	0.57	0.949	ug/L	Standard
	Cr	52	14911	31614	5.21	0.936	ug/L	Standard
	Cr	53	1213	2921	3.22	0.833	ug/L	Standard
	Mn	55	7071	29131	2.00	0.901	ug/L	Standard
	Fe	57	23864	28344	3.10	7.123	ug/L	Standard
	Co	59	272	19218	2.20	1.000	ug/L	Standard
	Ni	60	392	6317	1.76	1.421	ug/L	Standard
	Ni	62	105	964	7.21	1.420	ug/L	Standard
	Cu	63	3208	11856	2.40	0.945	ug/L	Standard
	Cu	65	1468	5448	2.00	0.952	ug/L	Standard
	Zn	66	655	2845	2.27	0.964	ug/L	Standard
	Zn	67	112	436	6.69	0.912	ug/L	Standard
	Zn	68	795	2348	2.80	0.967	ug/L	Standard
	As-2	75	392	2715	2.00	0.987	ug/L	Standard
	As-3	75	545	2510	1.07	0.952	ug/L	Standard
	Se-1	77	143	281	1.75	0.853	ug/L	Standard
	Se-1	82	18	314	13.82	0.958	ug/L	Standard
>	Ge	72	32845	34413	1.83		ug/L	Standard
	As	75	392	2715	2.00	0.996	ug/L	Standard
	As-1	75	545	2510	1.07	0.964	ug/L	Standard
	Se	77	143	281	1.75	0.884	ug/L	Standard
	Se	82	18	314	13.82	0.964	ug/L	Standard
	Y	89	344475	371163	2.52		ug/L	Standard
	Mo	98	287	8235	2.66	0.982	ug/L	Standard
	Ag	107	142	13116	1.70	0.988	ug/L	Standard
	Ag	109	144	17443	2.01	1.001	ug/L	Standard

	Cd	111	54	4526	1.97	0.998	ug/L	Standard
	Cd	114	189	10917	2.06	0.976	ug/L	Standard
>	In	115	482503	490769	2.80		ug/L	Standard
	Sb	121	2372	13396	2.68	0.871	ug/L	Standard
	Sb	123	1878	10237	4.05	0.862	ug/L	Standard
	Ba	135	54	3246	2.15	0.970	ug/L	Standard
	Ba	137	91	5528	1.12	0.986	ug/L	Standard
	Tb	159	609131	625825	1.93		ug/L	Standard
>	Ho	165	632987	645389	1.64		ug/L	Standard
	Hg	201	23	278	4.84	0.153	ug/L	Standard
	Hg	202	53	607	6.84	0.152	ug/L	Standard
	Tl	203	83	15834	2.24	0.993	ug/L	Standard
	Tl	205	188	37855	1.21	0.995	ug/L	Standard
	Pb	208	11117	62920	22.76	1.049	ug/L	Standard
	Bi	209	353336	362051	1.37		ug/L	Standard
	Th	232	3393	29655	2.03	0.607	ug/L	Standard
	U	238	53	48467	0.12	0.990	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.207			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		106.317			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		104.774			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.713			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.959			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 5 ppb i8-140a LLICV

Sample Date/Time: Thursday, August 25, 2022 00:52:46
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.199
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 4
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160563	1.08		ug/L	Standard
	Li	7	10331	10449	1.43		ug/L	Standard
	Be	9	11	16292	0.25	5.023	ug/L	Standard
	Al	27	53531	185612	1.77	4.429	ug/L	Standard
	Be-1	9	11	16292	0.25	4.997	ug/L	Standard
>	Sc	45	234282	245443	0.74		ug/L	Standard
	V	51	5015	105092	0.53	5.058	ug/L	Standard
	V-1	51	3410	103342	1.10	5.010	ug/L	Standard
	Cr	52	14911	101378	0.75	5.030	ug/L	Standard
	Cr	53	1213	10965	2.85	4.903	ug/L	Standard
	Mn	55	7071	125741	3.30	4.917	ug/L	Standard
	Fe	57	23864	47689	1.25	48.605	ug/L	Standard
	Co	59	272	95536	2.22	5.040	ug/L	Standard
	Ni	60	392	21028	2.68	4.969	ug/L	Standard
	Ni	62	105	3132	2.80	5.037	ug/L	Standard
	Cu	63	3208	48675	1.94	5.051	ug/L	Standard
	Cu	65	1468	22007	3.52	4.992	ug/L	Standard
	Zn	66	655	11690	3.83	4.924	ug/L	Standard
	Zn	67	112	1872	3.19	5.031	ug/L	Standard
	Zn	68	795	8732	1.04	5.052	ug/L	Standard
	As-2	75	392	12129	2.56	5.029	ug/L	Standard
	As-3	75	545	10763	1.85	5.013	ug/L	Standard
	Se-1	77	143	901	4.59	4.863	ug/L	Standard
	Se-1	82	18	1550	3.79	4.971	ug/L	Standard
>	Ge	72	32845	34355	1.50		ug/L	Standard
	As	75	392	12129	2.56	5.036	ug/L	Standard
	As-1	75	545	10763	1.85	5.022	ug/L	Standard
	Se	77	143	901	4.59	4.892	ug/L	Standard
	Se	82	18	1550	3.79	4.976	ug/L	Standard
	Y	89	344475	372150	0.76		ug/L	Standard
	Mo	98	287	39504	0.37	4.842	ug/L	Standard
	Ag	107	142	66120	0.79	5.017	ug/L	Standard
	Ag	109	144	87163	0.50	5.028	ug/L	Standard

	Cd	111	54	22410	1.37	4.981	ug/L	Standard
	Cd	114	189	55078	0.94	4.985	ug/L	Standard
>	In	115	482503	491391	0.67		ug/L	Standard
	Sb	121	2372	55216	3.45	4.183	ug/L	Standard
	Sb	123	1878	42210	2.83	4.167	ug/L	Standard
	Ba	135	54	16252	1.18	4.915	ug/L	Standard
	Ba	137	91	27342	1.63	4.935	ug/L	Standard
	Tb	159	609131	622993	1.89		ug/L	Standard
>	Ho	165	632987	642310	1.80		ug/L	Standard
	Hg	201	23	1621	3.83	0.969	ug/L	Standard
	Hg	202	53	3557	2.06	0.970	ug/L	Standard
	Tl	203	83	79794	2.05	5.049	ug/L	Standard
	Tl	205	188	190350	1.63	5.049	ug/L	Standard
	Pb	208	11117	255014	3.32	4.976	ug/L	Standard
	Bi	209	353336	361594	2.04		ug/L	Standard
	Th	232	3393	134499	16.15	3.050	ug/L	Standard
	U	238	53	244543	2.41	5.022	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.283			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.764			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		104.597			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.842			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.473			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
CCVs

Quantitative Analysis - Summary Report

Sample ID: 30 ppb i8-143a ICV

Sample Date/Time: Thursday, August 25, 2022 00:25:17
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 7
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159397	0.82		ug/L	Standard
	Li	7	10331	10430	1.89		ug/L	Standard
	Be	9	11	95311	1.54	29.620	ug/L	Standard
	Al	27	53531	921375	0.97	29.451	ug/L	Standard
	Be-1	9	11	95311	1.54	29.405	ug/L	Standard
>	Sc	45	234282	244165	0.61		ug/L	Standard
	V	51	5015	591828	0.70	30.349	ug/L	Standard
	V-1	51	3410	592762	0.91	30.219	ug/L	Standard
	Cr	52	14911	522540	0.97	30.371	ug/L	Standard
	Cr	53	1213	59868	1.02	30.276	ug/L	Standard
	Mn	55	7071	717253	0.59	30.133	ug/L	Standard
	Fe	57	23864	161761	1.57	299.914	ug/L	Standard
	Co	59	272	559415	0.74	30.215	ug/L	Standard
	Ni	60	392	121623	0.80	29.841	ug/L	Standard
	Ni	62	105	17645	0.98	29.862	ug/L	Standard
	Cu	63	3208	273283	1.56	30.733	ug/L	Standard
	Cu	65	1468	125154	1.27	30.804	ug/L	Standard
	Zn	66	655	66394	1.01	30.041	ug/L	Standard
	Zn	67	112	10468	1.01	30.309	ug/L	Standard
	Zn	68	795	47345	1.40	30.389	ug/L	Standard
	As-2	75	392	69286	1.72	30.190	ug/L	Standard
	As-3	75	545	60674	1.13	30.195	ug/L	Standard
	Se-1	77	143	4755	0.26	30.458	ug/L	Standard
	Se-1	82	18	9249	4.34	30.604	ug/L	Standard
>	Ge	72	32845	33638	0.62		ug/L	Standard
	As	75	392	69286	1.72	29.790	ug/L	Standard
	As-1	75	545	60674	1.13	29.795	ug/L	Standard
	Se	77	143	4755	0.26	30.061	ug/L	Standard
	Se	82	18	9249	4.34	30.198	ug/L	Standard
	Y	89	344475	365596	3.90		ug/L	Standard
	Mo	98	287	237372	3.86	29.484	ug/L	Standard
	Ag	107	142	389566	3.42	29.822	ug/L	Standard
	Ag	109	144	514767	1.72	29.951	ug/L	Standard

	Cd	111	54	131877	1.95	29.580	ug/L	Standard
	Cd	114	189	322802	0.87	29.516	ug/L	Standard
>	In	115	482503	487828	1.33		ug/L	Standard
	Sb	121	2372	326888	7.51	25.889	ug/L	Standard
	Sb	123	1878	251209	6.66	25.966	ug/L	Standard
	Ba	135	54	95983	0.80	29.326	ug/L	Standard
	Ba	137	91	161123	1.70	29.378	ug/L	Standard
	Tb	159	609131	615045	2.02		ug/L	Standard
>	Ho	165	632987	636680	2.58		ug/L	Standard
	Hg	201	23	10291	3.38	6.282	ug/L	Standard
	Hg	202	53	22645	2.88	6.308	ug/L	Standard
	Tl	203	83	471011	2.17	30.095	ug/L	Standard
	Tl	205	188	1118990	2.72	29.966	ug/L	Standard
	Pb	208	11117	1486079	2.77	30.376	ug/L	Standard
	Bi	209	353336	357169	2.16		ug/L	Standard
	Th	232	3393	1158667	14.64	27.098	ug/L	Standard
	U	238	53	1451453	1.92	30.087	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.547			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.218			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.415			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.104			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.583			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB rr

Sample Date/Time: Thursday, August 25, 2022 00:39:01
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161530	2.43		ug/L	Standard
	Li	7	10331	10425	3.14		ug/L	Standard
	Be	9	11	12	57.52	0.000	ug/L	Standard
	Al	27	53531	53922	8.14	-0.019	ug/L	Standard
	Be-1	9	11	12	57.52	0.000	ug/L	Standard
>	Sc	45	234282	244222	1.95		ug/L	Standard
	V	51	5015	4881	14.67	-0.015	ug/L	Standard
	V-1	51	3410	2502	3.85	-0.051	ug/L	Standard
	Cr	52	14911	15172	13.76	-0.011	ug/L	Standard
	Cr	53	1213	930	6.69	-0.164	ug/L	Standard
	Mn	55	7071	7237	2.99	-0.002	ug/L	Standard
	Fe	57	23864	24040	2.66	-1.153	ug/L	Standard
	Co	59	272	308	17.12	0.002	ug/L	Standard
	Ni	60	392	416	4.67	0.003	ug/L	Standard
	Ni	62	105	107	5.49	-0.003	ug/L	Standard
	Cu	63	3208	3311	1.28	0.001	ug/L	Standard
	Cu	65	1468	1503	2.37	-0.002	ug/L	Standard
	Zn	66	655	647	14.51	-0.012	ug/L	Standard
	Zn	67	112	109	10.14	-0.018	ug/L	Standard
	Zn	68	795	835	8.47	0.010	ug/L	Standard
	As-2	75	392	450	9.56	0.020	ug/L	Standard
	As-3	75	545	549	8.70	-0.006	ug/L	Standard
	Se-1	77	143	130	10.58	-0.111	ug/L	Standard
	Se-1	82	18	5	528.79	-0.043	ug/L	Standard
>	Ge	72	32845	33818	0.22		ug/L	Standard
	As	75	392	450	9.56	0.021	ug/L	Standard
	As-1	75	545	549	8.70	-0.004	ug/L	Standard
	Se	77	143	130	10.58	-0.100	ug/L	Standard
	Se	82	18	5	528.79	-0.041	ug/L	Standard
	Y	89	344475	367943	2.63		ug/L	Standard
	Mo	98	287	710	18.33	0.052	ug/L	Standard
	Ag	107	142	185	14.09	0.003	ug/L	Standard
	Ag	109	144	230	6.40	0.005	ug/L	Standard

	Cd	111	54	72	37.32	0.004	ug/L	Standard
	Cd	114	189	170	23.77	-0.002	ug/L	Standard
>	In	115	482503	492968	2.50		ug/L	Standard
	Sb	121	2372	4960	1.54	0.200	ug/L	Standard
	Sb	123	1878	3797	0.70	0.194	ug/L	Standard
	Ba	135	54	56	14.41	0.000	ug/L	Standard
	Ba	137	91	94	15.10	0.000	ug/L	Standard
	Tb	159	609131	619805	0.25		ug/L	Standard
>	Ho	165	632987	642105	1.21		ug/L	Standard
	Hg	201	23	40	27.31	0.010	ug/L	Standard
	Hg	202	53	94	8.08	0.011	ug/L	Standard
	Tl	203	83	186	9.97	0.006	ug/L	Standard
	Tl	205	188	431	10.54	0.006	ug/L	Standard
	Pb	208	11117	16065	150.89	0.102	ug/L	Standard
	Bi	209	353336	360222	3.03		ug/L	Standard
	Th	232	3393	18009	1.64	0.340	ug/L	Standard
	U	238	53	161	35.32	0.002	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.893			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.242			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.961			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.169			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.440			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a CCV (7)

Sample Date/Time: Thursday, August 25, 2022 02:32:59
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (7).221
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	157420	1.91		ug/L	Standard
	Li	7	10331	10444	2.92		ug/L	Standard
	Be	9	11	82296	1.37	25.896	ug/L	Standard
	Al	27	53531	806447	1.60	25.894	ug/L	Standard
	Be-1	9	11	82296	1.37	24.143	ug/L	Standard
>	Sc	45	234282	256827	2.80		ug/L	Standard
	V	51	5015	513170	1.24	25.147	ug/L	Standard
	V-1	51	3410	521355	1.08	25.414	ug/L	Standard
	Cr	52	14911	458014	0.62	25.333	ug/L	Standard
	Cr	53	1213	54454	1.39	26.277	ug/L	Standard
	Mn	55	7071	642020	1.07	25.769	ug/L	Standard
	Fe	57	23864	148475	0.16	256.981	ug/L	Standard
	Co	59	272	488845	0.66	25.270	ug/L	Standard
	Ni	60	392	107242	0.56	25.169	ug/L	Standard
	Ni	62	105	15513	1.70	25.095	ug/L	Standard
	Cu	63	3208	234911	1.98	25.213	ug/L	Standard
	Cu	65	1468	107421	2.08	25.233	ug/L	Standard
	Zn	66	655	58352	2.15	25.216	ug/L	Standard
	Zn	67	112	9297	2.07	25.709	ug/L	Standard
	Zn	68	795	42035	1.78	25.738	ug/L	Standard
	As-2	75	392	60085	1.45	25.026	ug/L	Standard
	As-3	75	545	53171	1.94	25.277	ug/L	Standard
	Se-1	77	143	4292	3.96	26.176	ug/L	Standard
	Se-1	82	18	7909	2.02	25.034	ug/L	Standard
>	Ge	72	32845	35151	1.71		ug/L	Standard
	As	75	392	60085	1.45	26.307	ug/L	Standard
	As-1	75	545	53171	1.94	26.575	ug/L	Standard
	Se	77	143	4292	3.96	27.569	ug/L	Standard
	Se	82	18	7909	2.02	26.312	ug/L	Standard
	Y	89	344475	395018	3.29		ug/L	Standard
	Mo	98	287	189394	1.82	23.970	ug/L	Standard
	Ag	107	142	340408	1.25	26.560	ug/L	Standard
	Ag	109	144	426616	2.08	25.292	ug/L	Standard

	Cd	111	54	105612	1.40	24.139	ug/L	Standard
	Cd	114	189	262510	1.54	24.456	ug/L	Standard
>	In	115	482503	478722	1.57		ug/L	Standard
	Sb	121	2372	275781	5.68	22.231	ug/L	Standard
	Sb	123	1878	209620	6.38	22.050	ug/L	Standard
	Ba	135	54	79014	1.10	24.597	ug/L	Standard
	Ba	137	91	132276	0.84	24.574	ug/L	Standard
	Tb	159	609131	615364	1.21		ug/L	Standard
>	Ho	165	632987	641678	0.75		ug/L	Standard
	Hg	201	23	8101	1.81	4.904	ug/L	Standard
	Hg	202	53	17820	1.30	4.923	ug/L	Standard
	Tl	203	83	403622	1.66	25.587	ug/L	Standard
	Tl	205	188	969289	0.55	25.756	ug/L	Standard
	Pb	208	11117	1263385	1.67	25.585	ug/L	Standard
	Bi	209	353336	364860	2.41		ug/L	Standard
	Th	232	3393	1031579	8.16	23.973	ug/L	Standard
	U	238	53	1271707	1.63	26.151	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		99.300			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		109.623			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		107.019			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		99.216			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.373			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: CCB (7)

Sample Date/Time: Thursday, August 25, 2022 02:37:34
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (7).222
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159670	3.21		ug/L	Standard
	Li	7	10331	10461	2.72		ug/L	Standard
	Be	9	11	17	71.56	0.002	ug/L	Standard
	Al	27	53531	56036	6.44	0.073	ug/L	Standard
	Be-1	9	11	17	71.56	0.001	ug/L	Standard
>	Sc	45	234282	253911	2.06		ug/L	Standard
	V	51	5015	5185	7.71	-0.011	ug/L	Standard
	V-1	51	3410	4816	2.53	0.056	ug/L	Standard
	Cr	52	14911	15805	12.28	-0.015	ug/L	Standard
	Cr	53	1213	1636	7.15	0.161	ug/L	Standard
	Mn	55	7071	7546	3.22	-0.003	ug/L	Standard
	Fe	57	23864	24853	3.18	-1.795	ug/L	Standard
	Co	59	272	328	31.66	0.002	ug/L	Standard
	Ni	60	392	437	13.98	0.004	ug/L	Standard
	Ni	62	105	112	3.22	-0.003	ug/L	Standard
	Cu	63	3208	3401	2.28	-0.006	ug/L	Standard
	Cu	65	1468	1523	5.50	-0.014	ug/L	Standard
	Zn	66	655	686	15.76	-0.009	ug/L	Standard
	Zn	67	112	130	15.84	0.028	ug/L	Standard
	Zn	68	795	839	9.56	-0.011	ug/L	Standard
	As-2	75	392	545	13.93	0.051	ug/L	Standard
	As-3	75	545	687	4.33	0.048	ug/L	Standard
	Se-1	77	143	179	10.93	0.162	ug/L	Standard
	Se-1	82	18	58	16.96	0.123	ug/L	Standard
>	Ge	72	32845	35403	1.64		ug/L	Standard
	As	75	392	545	13.93	0.067	ug/L	Standard
	As-1	75	545	687	4.33	0.071	ug/L	Standard
	Se	77	143	179	10.93	0.241	ug/L	Standard
	Se	82	18	58	16.96	0.133	ug/L	Standard
	Y	89	344475	400723	0.27		ug/L	Standard
	Mo	98	287	2546	12.73	0.284	ug/L	Standard
	Ag	107	142	597	26.82	0.035	ug/L	Standard
	Ag	109	144	778	25.57	0.037	ug/L	Standard

	Cd	111	54	74	29.05	0.005	ug/L	Standard
	Cd	114	189	162	35.46	-0.003	ug/L	Standard
>	In	115	482503	482568	1.57		ug/L	Standard
	Sb	121	2372	20379	14.76	1.453	ug/L	Standard
	Sb	123	1878	15666	15.32	1.453	ug/L	Standard
	Ba	135	54	88	23.77	0.011	ug/L	Standard
	Ba	137	91	153	26.67	0.011	ug/L	Standard
	Tb	159	609131	612463	1.14		ug/L	Standard
>	Ho	165	632987	642130	1.00		ug/L	Standard
	Hg	201	23	102	21.50	0.048	ug/L	Standard
	Hg	202	53	203	13.05	0.041	ug/L	Standard
	Tl	203	83	623	39.10	0.034	ug/L	Standard
	Tl	205	188	1536	39.53	0.036	ug/L	Standard
	Pb	208	11117	7541	105.47	-0.077	ug/L	Standard
	Bi	209	353336	367823	1.45		ug/L	Standard
	Th	232	3393	57980	27.09	1.270	ug/L	Standard
	U	238	53	594	38.41	0.011	ug/L	Standard

QC Calcuiated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel % Difference
>	6	Li		100.719			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		108.378			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		107.789			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.013			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.444			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Quality Assurance Data

Quantitative Analysis - Summary Report

Sample ID: i2-580 mb

Sample Date/Time: Thursday, August 25, 2022 01:42:53
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 mb.210
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 151
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	158529	155040	1.51		ug/L	Standard
|	Li	7	10331	9932	0.98		ug/L	Standard
|	Be	9	11	42	46.81	0.010	ug/L	Standard
|	Al	27	53531	111259	3.01	2.056	ug/L	Standard
[	Be-1	9	11	42	46.81	0.009	ug/L	Standard
[>	Sc	45	234282	255673	1.39		ug/L	Standard
[	V	51	5015	4388	14.25	-0.047	ug/L	Standard
|	V-1	51	3410	7649	5.00	0.200	ug/L	Standard
|	Cr	52	14911	13977	12.00	-0.107	ug/L	Standard
|	Cr	53	1213	2518	2.91	0.614	ug/L	Standard
|	Mn	55	7071	12201	2.33	0.192	ug/L	Standard
|	Fe	57	23864	29815	2.33	9.484	ug/L	Standard
|	Co	59	272	341	34.13	0.003	ug/L	Standard
|	Ni	60	392	300	4.54	-0.028	ug/L	Standard
|	Ni	62	105	99	11.16	-0.022	ug/L	Standard
|	Cu	63	3208	5881	2.23	0.272	ug/L	Standard
|	Cu	65	1468	2669	0.37	0.267	ug/L	Standard
|	Zn	66	655	603	13.42	-0.041	ug/L	Standard
|	Zn	67	112	107	17.29	-0.032	ug/L	Standard
|	Zn	68	795	855	4.80	0.007	ug/L	Standard
|	As-2	75	392	728	4.39	0.132	ug/L	Standard
|	As-3	75	545	1134	4.54	0.270	ug/L	Standard
|	Se-1	77	143	254	3.50	0.655	ug/L	Standard
|	Se-1	82	18	50	45.21	0.100	ug/L	Standard
[>	Ge	72	32845	34851	1.67		ug/L	Standard
[	As	75	392	728	4.39	0.145	ug/L	Standard
|	As-1	75	545	1134	4.54	0.292	ug/L	Standard
|	Se	77	143	254	3.50	0.725	ug/L	Standard
|	Se	82	18	50	45.21	0.106	ug/L	Standard
|	Y	89	344475	380965	1.45		ug/L	Standard
|	Mo	98	287	1532	12.13	0.155	ug/L	Standard
|	Ag	107	142	214	32.26	0.006	ug/L	Standard
|	Ag	109	144	268	32.87	0.007	ug/L	Standard

	Cd	111	54	82	43.50	0.006	ug/L	Standard
	Cd	114	189	156	43.58	-0.003	ug/L	Standard
>	In	115	482503	485184	0.70		ug/L	Standard
	Sb	121	2372	11313	7.14	0.716	ug/L	Standard
	Sb	123	1878	8725	7.62	0.716	ug/L	Standard
	Ba	135	54	96	27.62	0.013	ug/L	Standard
	Ba	137	91	129	21.73	0.007	ug/L	Standard
	Tb	159	609131	612527	2.12		ug/L	Standard
>	Ho	165	632987	643028	2.43		ug/L	Standard
	Hg	201	23	62	28.26	0.024	ug/L	Standard
	Hg	202	53	145	3.84	0.025	ug/L	Standard
	Tl	203	83	513	29.88	0.027	ug/L	Standard
	Tl	205	188	1272	30.63	0.029	ug/L	Standard
	Pb	208	11117	11108	97.83	-0.004	ug/L	Standard
	Bi	209	353336	363790	1.88		ug/L	Standard
	Th	232	3393	12239	2.32	0.205	ug/L	Standard
	U	238	53	430	77.07	0.008	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.799			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		109.130			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		105.108			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.556			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.586			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-580 lcs

Sample Date/Time: Thursday, August 25, 2022 01:47:27
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 lcs.211
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 152
Sample Type: Spike - 1 of 140

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	154819	1.24		ug/L	Standard
	Li	7	10331	9821	2.66		ug/L	Standard
	Be	9	11	16019	1.59	5.122	ug/L	Standard
	Al	27	53531	114727	2.67	2.182	ug/L	Standard
	Be-1	9	11	16019	1.59	4.839	ug/L	Standard
>	Sc	45	234282	249234	2.29		ug/L	Standard
	V	51	5015	397820	2.20	19.794	ug/L	Standard
	V-1	51	3410	405010	2.54	20.067	ug/L	Standard
	Cr	52	14911	354300	2.83	19.763	ug/L	Standard
	Cr	53	1213	42009	2.93	20.506	ug/L	Standard
	Mn	55	7071	496177	4.11	20.219	ug/L	Standard
	Fe	57	23864	79011	3.94	114.829	ug/L	Standard
	Co	59	272	378958	4.73	19.947	ug/L	Standard
	Ni	60	392	84931	3.40	20.280	ug/L	Standard
	Ni	62	105	12266	2.53	20.175	ug/L	Standard
	Cu	63	3208	189599	0.95	20.663	ug/L	Standard
	Cu	65	1468	87189	1.02	20.797	ug/L	Standard
	Zn	66	655	111643	0.43	49.437	ug/L	Standard
	Zn	67	112	17440	0.53	49.434	ug/L	Standard
	Zn	68	795	79966	0.15	50.374	ug/L	Standard
	As-2	75	392	22581	1.16	9.471	ug/L	Standard
	As-3	75	545	21542	0.62	10.267	ug/L	Standard
	Se-1	77	143	1099	3.44	6.116	ug/L	Standard
	Se-1	82	18	1622	5.63	5.181	ug/L	Standard
>	Ge	72	32845	34508	0.49		ug/L	Standard
	As	75	392	22581	1.16	9.642	ug/L	Standard
	As-1	75	545	21542	0.62	10.454	ug/L	Standard
	Se	77	143	1099	3.44	6.262	ug/L	Standard
	Se	82	18	1622	5.63	5.275	ug/L	Standard
	Y	89	344475	380589	1.81		ug/L	Standard
	Mo	98	287	75525	4.22	9.405	ug/L	Standard
	Ag	107	142	66491	3.62	5.107	ug/L	Standard
	Ag	109	144	83678	3.88	4.886	ug/L	Standard

	Cd	111	54	21426	1.68	4.819	ug/L	Standard
	Cd	114	189	53145	1.13	4.868	ug/L	Standard
>	In	115	482503	485448	0.37		ug/L	Standard
	Sb	121	2372	264889	1.38	21.051	ug/L	Standard
	Sb	123	1878	202035	1.68	20.951	ug/L	Standard
	Ba	135	54	154029	1.02	47.296	ug/L	Standard
	Ba	137	91	261559	1.08	47.927	ug/L	Standard
	Tb	159	609131	615644	1.02		ug/L	Standard
>	Ho	165	632987	639191	0.98		ug/L	Standard
	Hg	201	23	8535	1.22	5.188	ug/L	Standard
	Hg	202	53	18858	0.68	5.231	ug/L	Standard
	Tl	203	83	77943	0.84	4.956	ug/L	Standard
	Tl	205	188	184268	0.71	4.911	ug/L	Standard
	Pb	208	11117	501586	2.00	10.058	ug/L	Standard
	Bi	209	353336	363259	0.80		ug/L	Standard
	Th	232	3393	20510	2.20	0.400	ug/L	Standard
	U	238	53	315	60.84	0.005	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.660			
	7	Li					
	9	Be			102.241		
	27	Al					
	9	Be-1			96.617		
>	45	Sc		106.382			
	51	V			99.205		
	51	V-1			99.334		
	52	Cr			99.352		
	53	Cr			99.460		
	55	Mn			100.133		
	57	Fe			105.345		
	59	Co			99.723		
	60	Ni			101.539		
	62	Ni			100.983		
	63	Cu			101.954		
	65	Cu			102.650		
	66	Zn			98.956		
	67	Zn			98.932		
	68	Zn			100.733		
	75	As-2			93.388		
	75	As-3			99.965		
	77	Se-1			109.220		
	82	Se-1			101.632		
>	72	Ge		105.064			
	75	As			94.965		
	75	As-1			101.616		
	77	Se			110.746		
	82	Se			103.388		
	89	Y					
	98	Mo			92.494		
	107	Ag			102.028		
	109	Ag			97.568		
	111	Cd			96.261		
	114	Cd			97.432		
>	115	In		100.610			
	121	Sb			101.674		
	123	Sb			101.175		
	135	Ba			94.566		
	137	Ba			95.841		
	159	Tb					
>	165	Ho		100.980			
	201	Hg			103.288		
	202	Hg			104.108		
	203	Tl			98.576		
	205	Tl			97.656		
	208	Pb			100.629		
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208312-01

Sample Date/Time: Thursday, August 25, 2022 01:52:00
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-01.212
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 153
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	152368	3.00		ug/L	Standard
	Li	7	10331	71205	2.42		ug/L	Standard
	Be	9	11	68	26.03	0.018	ug/L	Standard
	Al	27	53531	1106946	2.24	37.488	ug/L	Standard
	Be-1	9	11	68	26.03	0.013	ug/L	Standard
>	Sc	45	234282	308028	1.22		ug/L	Standard
	V	51	5015	72819	0.95	3.341	ug/L	Standard
	V-1	51	3410	97202	7.63	4.593	ug/L	Standard
	Cr	52	14911	19744	8.69	0.218	ug/L	Standard
	Cr	53	1213	10090	23.60	4.347	ug/L	Standard
	Mn	55	7071	438775	1.14	17.522	ug/L	Standard
	Fe	57	23864	441226	1.40	869.263	ug/L	Standard
	Co	59	272	9099	2.84	0.456	ug/L	Standard
	Ni	60	392	8349	2.11	1.869	ug/L	Standard
	Ni	62	105	1055	6.09	1.537	ug/L	Standard
	Cu	63	3208	9475	1.63	0.659	ug/L	Standard
	Cu	65	1468	3699	2.02	0.508	ug/L	Standard
	Zn	66	655	5069	2.21	1.912	ug/L	Standard
	Zn	67	112	1012	3.79	2.502	ug/L	Standard
	Zn	68	795	5243	2.25	2.747	ug/L	Standard
	As-2	75	392	1044	14.61	0.262	ug/L	Standard
	As-3	75	545	2082	12.01	0.721	ug/L	Standard
	Se-1	77	143	487	15.82	2.118	ug/L	Standard
	Se-1	82	18	130	14.10	0.352	ug/L	Standard
>	Ge	72	32845	35133	0.55		ug/L	Standard
	As	75	392	1044	14.61	0.297	ug/L	Standard
	As-1	75	545	2082	12.01	0.798	ug/L	Standard
	Se	77	143	487	15.82	2.357	ug/L	Standard
	Se	82	18	130	14.10	0.382	ug/L	Standard
	Y	89	344475	387144	1.99		ug/L	Standard
	Mo	98	287	4660	1.70	0.565	ug/L	Standard
	Ag	107	142	461	42.80	0.026	ug/L	Standard
	Ag	109	144	567	47.25	0.026	ug/L	Standard

	Cd	111	54	124	34.40	0.017	ug/L	Standard
	Cd	114	189	387	26.74	0.019	ug/L	Standard
>	In	115	482503	470336	0.97		ug/L	Standard
	Sb	121	2372	9456	1.69	0.591	ug/L	Standard
	Sb	123	1878	7141	3.18	0.574	ug/L	Standard
	Ba	135	54	19788	0.39	6.257	ug/L	Standard
	Ba	137	91	33534	1.81	6.327	ug/L	Standard
	Tb	159	609131	609398	1.51		ug/L	Standard
>	Ho	165	632987	637679	2.22		ug/L	Standard
	Hg	201	23	99	26.12	0.046	ug/L	Standard
	Hg	202	53	219	30.42	0.047	ug/L	Standard
	Tl	203	83	780	22.49	0.045	ug/L	Standard
	Tl	205	188	1830	23.37	0.044	ug/L	Standard
	Pb	208	11117	13177	94.16	0.044	ug/L	Standard
	Bi	209	353336	341655	1.54		ug/L	Standard
	Th	232	3393	13476	13.40	0.236	ug/L	Standard
	U	238	53	491	61.28	0.009	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		96.114			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		131.477			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		106.965			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		97.478			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.741			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-580 ms 208312-01

Sample Date/Time: Thursday, August 25, 2022 01:56:33
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 ms 208312-01.213
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 154
Sample Type: Spike - 1 of 142

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	151735	0.67		ug/L	Standard
	Li	7	10331	71612	0.57		ug/L	Standard
	Be	9	11	16431	0.81	5.361	ug/L	Standard
	Al	27	53531	1053898	1.86	35.756	ug/L	Standard
	Be-1	9	11	16431	0.81	4.047	ug/L	Standard
>	Sc	45	234282	305618	2.21		ug/L	Standard
	V	51	5015	482674	4.05	23.480	ug/L	Standard
	V-1	51	3410	521300	3.27	25.239	ug/L	Standard
	Cr	52	14911	367092	0.67	19.971	ug/L	Standard
	Cr	53	1213	53645	3.73	25.684	ug/L	Standard
	Mn	55	7071	942687	0.51	37.704	ug/L	Standard
	Fe	57	23864	498237	0.69	980.345	ug/L	Standard
	Co	59	272	394688	2.13	20.241	ug/L	Standard
	Ni	60	392	91685	2.78	21.333	ug/L	Standard
	Ni	62	105	12970	2.73	20.790	ug/L	Standard
	Cu	63	3208	190561	3.07	20.222	ug/L	Standard
	Cu	65	1468	87073	3.68	20.219	ug/L	Standard
	Zn	66	655	115502	3.91	49.818	ug/L	Standard
	Zn	67	112	18300	2.58	50.538	ug/L	Standard
	Zn	68	795	83595	2.97	51.306	ug/L	Standard
	As-2	75	392	23367	1.68	9.551	ug/L	Standard
	As-3	75	545	23327	2.86	10.846	ug/L	Standard
	Se-1	77	143	1481	2.53	8.330	ug/L	Standard
	Se-1	82	18	1699	2.39	5.289	ug/L	Standard
>	Ge	72	32845	35429	3.36		ug/L	Standard
	As	75	392	23367	1.68	10.385	ug/L	Standard
	As-1	75	545	23327	2.86	11.802	ug/L	Standard
	Se	77	143	1481	2.53	9.143	ug/L	Standard
	Se	82	18	1699	2.39	5.749	ug/L	Standard
	Y	89	344475	395387	2.05		ug/L	Standard
	Mo	98	287	78198	0.55	10.126	ug/L	Standard
	Ag	107	142	66507	1.93	5.310	ug/L	Standard
	Ag	109	144	81413	2.34	4.941	ug/L	Standard

	Cd	111	54	20740	1.29	4.850	ug/L	Standard
	Cd	114	189	51502	0.76	4.905	ug/L	Standard
>	In	115	482503	466970	1.30		ug/L	Standard
	Sb	121	2372	263393	1.37	21.767	ug/L	Standard
	Sb	123	1878	200004	1.63	21.566	ug/L	Standard
	Ba	135	54	175346	1.77	55.973	ug/L	Standard
	Ba	137	91	295377	1.79	56.266	ug/L	Standard
	Tb	159	609131	615650	3.04		ug/L	Standard
>	Ho	165	632987	641389	2.64		ug/L	Standard
	Hg	201	23	8465	3.13	5.128	ug/L	Standard
	Hg	202	53	18567	2.54	5.133	ug/L	Standard
	Tl	203	83	78130	1.08	4.952	ug/L	Standard
	Tl	205	188	185355	1.10	4.925	ug/L	Standard
	Pb	208	11117	499359	2.50	9.984	ug/L	Standard
	Bi	209	353336	343111	1.40		ug/L	Standard
	Th	232	3393	25907	4.45	0.524	ug/L	Standard
	U	238	53	440	49.49	0.008	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		95.714			
	7	Li					
	9	Be			106.852		
	27	Al					
	9	Be-1			80.692		
>	45	Sc		130.448			
	51	V			100.697		
	51	V-1			103.231		
	52	Cr			98.767		
	53	Cr			106.688		
	55	Mn			100.912		
	57	Fe			111.082		
	59	Co			98.929		
	60	Ni			97.317		
	62	Ni			96.265		
	63	Cu			97.815		
	65	Cu			98.554		
	66	Zn			95.812		
	67	Zn			96.071		
	68	Zn			97.120		
	75	As-2			92.887		
	75	As-3			101.246		
	77	Se-1			124.241		
	82	Se-1			98.754		
>	72	Ge		107.867			
	75	As			100.877		
	75	As-1			110.040		
	77	Se			135.713		
	82	Se			107.339		
	89	Y					
	98	Mo			95.605		
	107	Ag			105.696		
	109	Ag			98.310		
	111	Cd			96.666		
	114	Cd			97.718		
>	115	In		96.781			
	121	Sb			105.876		
	123	Sb			104.960		
	135	Ba			99.431		
	137	Ba			99.878		
	159	Tb					
>	165	Ho		101.327			
	201	Hg			101.623		
	202	Hg			101.732		
	203	Tl			98.149		
	205	Tl			97.626		
	208	Pb			99.406		
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-580 msd 208312-01

Sample Date/Time: Thursday, August 25, 2022 02:01:06
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 msd 208312-01.214
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 155
Sample Type: Spike - 1 of 142

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	152210	0.75		ug/L	Standard
	Li	7	10331	73294	0.45		ug/L	Standard
	Be	9	11	16092	1.56	5.234	ug/L	Standard
	Al	27	53531	1187207	1.75	40.377	ug/L	Standard
	Be-1	9	11	16092	1.56	3.888	ug/L	Standard
>	Sc	45	234282	311630	2.60		ug/L	Standard
	V	51	5015	478349	1.77	23.219	ug/L	Standard
	V-1	51	3410	520167	2.46	25.136	ug/L	Standard
	Cr	52	14911	359704	1.92	19.524	ug/L	Standard
	Cr	53	1213	53384	3.87	25.518	ug/L	Standard
	Mn	55	7071	950817	2.85	37.986	ug/L	Standard
	Fe	57	23864	514907	2.94	1013.726	ug/L	Standard
	Co	59	272	387568	4.22	19.857	ug/L	Standard
	Ni	60	392	91172	3.31	21.198	ug/L	Standard
	Ni	62	105	13224	3.42	21.185	ug/L	Standard
	Cu	63	3208	190490	2.25	20.203	ug/L	Standard
	Cu	65	1468	86450	1.55	20.066	ug/L	Standard
	Zn	66	655	114684	1.01	49.448	ug/L	Standard
	Zn	67	112	18300	0.60	50.518	ug/L	Standard
	Zn	68	795	82875	0.78	50.845	ug/L	Standard
	As-2	75	392	22900	1.65	9.350	ug/L	Standard
	As-3	75	545	23133	2.57	10.747	ug/L	Standard
	Se-1	77	143	1482	3.51	8.329	ug/L	Standard
	Se-1	82	18	1619	1.91	5.035	ug/L	Standard
>	Ge	72	32845	35443	1.79		ug/L	Standard
	As	75	392	22900	1.65	10.153	ug/L	Standard
	As-1	75	545	23133	2.57	11.677	ug/L	Standard
	Se	77	143	1482	3.51	9.131	ug/L	Standard
	Se	82	18	1619	1.91	5.465	ug/L	Standard
	Y	89	344475	391795	2.87		ug/L	Standard
	Mo	98	287	76696	2.38	9.911	ug/L	Standard
	Ag	107	142	64809	4.16	5.163	ug/L	Standard
	Ag	109	144	79606	2.64	4.822	ug/L	Standard

	Cd	111	54	20290	1.69	4.735	ug/L	Standard
	Cd	114	189	51300	1.62	4.876	ug/L	Standard
>	In	115	482503	467916	1.95		ug/L	Standard
	Sb	121	2372	260410	1.18	21.477	ug/L	Standard
	Sb	123	1878	196736	1.60	21.169	ug/L	Standard
	Ba	135	54	171714	0.47	54.715	ug/L	Standard
	Ba	137	91	289160	0.60	54.983	ug/L	Standard
	Tb	159	609131	608108	1.49		ug/L	Standard
>	Ho	165	632987	635274	2.08		ug/L	Standard
	Hg	201	23	8487	1.77	5.191	ug/L	Standard
	Hg	202	53	18677	0.66	5.214	ug/L	Standard
	Tl	203	83	77413	1.07	4.953	ug/L	Standard
	Tl	205	188	183343	1.02	4.918	ug/L	Standard
	Pb	208	11117	491491	1.65	9.918	ug/L	Standard
	Bi	209	353336	340945	0.57		ug/L	Standard
	Th	232	3393	19775	7.04	0.386	ug/L	Standard
	U	238	53	417	32.42	0.008	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		96.014			
	7	Li					
	9	Be			104.307		
	27	Al					
	9	Be-1			77.507		
>	45	Sc		133.015			
	51	V			99.390		
	51	V-1			102.712		
	52	Cr			96.534		
	53	Cr			105.856		
	55	Mn			102.322		
	57	Fe			144.463		
	59	Co			97.005		
	60	Ni			96.644		
	62	Ni			98.239		
	63	Cu			97.721		
	65	Cu			97.789		
	66	Zn			95.073		
	67	Zn			96.030		
	68	Zn			96.196		
	75	As-2			90.873		
	75	As-3			100.255		
	77	Se-1			124.214		
	82	Se-1			93.672		
>	72	Ge		107.909			
	75	As			98.560		
	75	As-1			108.794		
	77	Se			135.470		
	82	Se			101.670		
	89	Y					
	98	Mo			93.460		
	107	Ag			102.756		
	109	Ag			95.920		
	111	Cd			94.374		
	114	Cd			97.134		
>	115	In		96.977			
	121	Sb			104.425		
	123	Sb			102.974		
	135	Ba			96.916		
	137	Ba			97.312		
	159	Tb					
>	165	Ho		100.361			
	201	Hg			102.886		
	202	Hg			103.346		
	203	Tl			98.172		
	205	Tl			97.475		
	208	Pb			98.741		
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Sample Data

Quantitative Analysis - Summary Report

Sample ID: 208312-01

Sample Date/Time: Thursday, August 25, 2022 01:52:00
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-01.212
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 153
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	152368	3.00		ug/L	Standard
	Li	7	10331	71205	2.42		ug/L	Standard
	Be	9	11	68	26.03	0.018	ug/L	Standard
	Al	27	53531	1106946	2.24	37.488	ug/L	Standard
	Be-1	9	11	68	26.03	0.013	ug/L	Standard
>	Sc	45	234282	308028	1.22		ug/L	Standard
	V	51	5015	72819	0.95	3.341	ug/L	Standard
	V-1	51	3410	97202	7.63	4.593	ug/L	Standard
	Cr	52	14911	19744	8.69	0.218	ug/L	Standard
	Cr	53	1213	10090	23.60	4.347	ug/L	Standard
	Mn	55	7071	438775	1.14	17.522	ug/L	Standard
	Fe	57	23864	441226	1.40	869.263	ug/L	Standard
	Co	59	272	9099	2.84	0.456	ug/L	Standard
	Ni	60	392	8349	2.11	1.869	ug/L	Standard
	Ni	62	105	1055	6.09	1.537	ug/L	Standard
	Cu	63	3208	9475	1.63	0.659	ug/L	Standard
	Cu	65	1468	3699	2.02	0.508	ug/L	Standard
	Zn	66	655	5069	2.21	1.912	ug/L	Standard
	Zn	67	112	1012	3.79	2.502	ug/L	Standard
	Zn	68	795	5243	2.25	2.747	ug/L	Standard
	As-2	75	392	1044	14.61	0.262	ug/L	Standard
	As-3	75	545	2082	12.01	0.721	ug/L	Standard
	Se-1	77	143	487	15.82	2.118	ug/L	Standard
	Se-1	82	18	130	14.10	0.352	ug/L	Standard
>	Ge	72	32845	35133	0.55		ug/L	Standard
	As	75	392	1044	14.61	0.297	ug/L	Standard
	As-1	75	545	2082	12.01	0.798	ug/L	Standard
	Se	77	143	487	15.82	2.357	ug/L	Standard
	Se	82	18	130	14.10	0.382	ug/L	Standard
	Y	89	344475	387144	1.99		ug/L	Standard
	Mo	98	287	4660	1.70	0.565	ug/L	Standard
	Ag	107	142	461	42.80	0.026	ug/L	Standard
	Ag	109	144	567	47.25	0.026	ug/L	Standard

	Cd	111	54	124	34.40	0.017	ug/L	Standard
	Cd	114	189	387	26.74	0.019	ug/L	Standard
>	In	115	482503	470336	0.97		ug/L	Standard
	Sb	121	2372	9456	1.69	0.591	ug/L	Standard
	Sb	123	1878	7141	3.18	0.574	ug/L	Standard
	Ba	135	54	19788	0.39	6.257	ug/L	Standard
	Ba	137	91	33534	1.81	6.327	ug/L	Standard
	Tb	159	609131	609398	1.51		ug/L	Standard
>	Ho	165	632987	637679	2.22		ug/L	Standard
	Hg	201	23	99	26.12	0.046	ug/L	Standard
	Hg	202	53	219	30.42	0.047	ug/L	Standard
	Tl	203	83	780	22.49	0.045	ug/L	Standard
	Tl	205	188	1830	23.37	0.044	ug/L	Standard
	Pb	208	11117	13177	94.16	0.044	ug/L	Standard
	Bi	209	353336	341655	1.54		ug/L	Standard
	Th	232	3393	13476	13.40	0.236	ug/L	Standard
	U	238	53	491	61.28	0.009	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		96.114			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		131.477			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		106.965			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		97.478			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.741			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208312-02

Sample Date/Time: Thursday, August 25, 2022 02:05:39
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-02.215
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 156
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	148303	1.00		ug/L	Standard
	Li	7	10331	78610	1.56		ug/L	Standard
	Be	9	11	129	20.42	0.040	ug/L	Standard
	Al	27	53531	819290	2.55	28.061	ug/L	Standard
	Be-1	9	11	129	20.42	0.027	ug/L	Standard
>	Sc	45	234282	324875	3.99		ug/L	Standard
	V	51	5015	14867	3.31	0.416	ug/L	Standard
	V-1	51	3410	74505	9.43	3.211	ug/L	Standard
	Cr	52	14911	22155	6.73	0.260	ug/L	Standard
	Cr	53	1213	21397	10.22	9.163	ug/L	Standard
	Mn	55	7071	3298950	2.30	123.798	ug/L	Standard
	Fe	57	23864	2128877	2.35	4067.744	ug/L	Standard
	Co	59	272	19728	2.11	0.930	ug/L	Standard
	Ni	60	392	9466	2.49	1.967	ug/L	Standard
	Ni	62	105	1020	4.55	1.354	ug/L	Standard
	Cu	63	3208	7761	2.61	0.409	ug/L	Standard
	Cu	65	1468	2942	0.76	0.275	ug/L	Standard
	Zn	66	655	8412	0.70	3.101	ug/L	Standard
	Zn	67	112	1589	2.00	3.788	ug/L	Standard
	Zn	68	795	7397	0.93	3.749	ug/L	Standard
	As-2	75	392	973	15.77	0.201	ug/L	Standard
	As-3	75	545	3163	2.43	1.128	ug/L	Standard
	Se-1	77	143	849	3.92	4.008	ug/L	Standard
	Se-1	82	18	94	37.38	0.215	ug/L	Standard
>	Ge	72	32845	37962	1.68		ug/L	Standard
	As	75	392	973	15.77	0.272	ug/L	Standard
	As-1	75	545	3163	2.43	1.379	ug/L	Standard
	Se	77	143	849	3.92	4.894	ug/L	Standard
	Se	82	18	94	37.38	0.265	ug/L	Standard
	Y	89	344475	389842	0.53		ug/L	Standard
	Mo	98	287	4679	3.97	0.577	ug/L	Standard
	Ag	107	142	236	37.98	0.008	ug/L	Standard
	Ag	109	144	261	47.54	0.008	ug/L	Standard

	Cd	111	54	102	27.52	0.012	ug/L	Standard
	Cd	114	189	306	19.64	0.012	ug/L	Standard
>	In	115	482503	462925	1.09		ug/L	Standard
	Sb	121	2372	5395	7.40	0.262	ug/L	Standard
	Sb	123	1878	4010	4.39	0.242	ug/L	Standard
	Ba	135	54	16552	0.52	5.315	ug/L	Standard
	Ba	137	91	27926	1.70	5.351	ug/L	Standard
	Tb	159	609131	614335	1.72		ug/L	Standard
>	Ho	165	632987	644656	0.68		ug/L	Standard
	Hg	201	23	106	23.12	0.050	ug/L	Standard
	Hg	202	53	250	26.46	0.054	ug/L	Standard
	Tl	203	83	278	49.13	0.012	ug/L	Standard
	Tl	205	188	645	46.05	0.012	ug/L	Standard
	Pb	208	11117	12167	135.38	0.017	ug/L	Standard
	Bi	209	353336	344548	1.23		ug/L	Standard
	Th	232	3393	14932	19.56	0.266	ug/L	Standard
	U	238	53	303	79.72	0.005	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		93.549			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		138.668			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		115.579			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		95.942			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.843			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208312-03

Sample Date/Time: Thursday, August 25, 2022 02:10:12
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-03.216
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 157
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	149608	0.60		ug/L	Standard
	Li	7	10331	96476	1.13		ug/L	Standard
	Be	9	11	158	2.85	0.049	ug/L	Standard
	Al	27	53531	2094786	0.14	73.935	ug/L	Standard
	Be-1	9	11	158	2.85	0.034	ug/L	Standard
>	Sc	45	234282	314142	0.37		ug/L	Standard
	V	51	5015	22377	6.29	0.783	ug/L	Standard
	V-1	51	3410	54820	3.71	2.367	ug/L	Standard
	Cr	52	14911	22892	9.08	0.324	ug/L	Standard
	Cr	53	1213	12631	4.15	5.266	ug/L	Standard
	Mn	55	7071	4049635	2.63	155.166	ug/L	Standard
	Fe	57	23864	2150916	3.07	4196.292	ug/L	Standard
	Co	59	272	26168	0.82	1.265	ug/L	Standard
	Ni	60	392	10100	2.52	2.151	ug/L	Standard
	Ni	62	105	1245	3.96	1.736	ug/L	Standard
	Cu	63	3208	35070	2.70	3.237	ug/L	Standard
	Cu	65	1468	14938	1.77	2.993	ug/L	Standard
	Zn	66	655	205599	2.63	84.751	ug/L	Standard
	Zn	67	112	30319	2.23	79.991	ug/L	Standard
	Zn	68	795	142548	1.47	83.704	ug/L	Standard
	As-2	75	392	1437	4.79	0.395	ug/L	Standard
	As-3	75	545	2860	4.17	1.021	ug/L	Standard
	Se-1	77	143	606	4.96	2.661	ug/L	Standard
	Se-1	82	18	108	10.69	0.266	ug/L	Standard
>	Ge	72	32845	37193	3.25		ug/L	Standard
	As	75	392	1437	4.79	0.489	ug/L	Standard
	As-1	75	545	2860	4.17	1.232	ug/L	Standard
	Se	77	143	606	4.96	3.257	ug/L	Standard
	Se	82	18	108	10.69	0.318	ug/L	Standard
	Y	89	344475	401757	2.78		ug/L	Standard
	Mo	98	287	5283	2.24	0.662	ug/L	Standard
	Ag	107	142	447	11.69	0.025	ug/L	Standard
	Ag	109	144	536	12.62	0.025	ug/L	Standard

	Cd	111	54	681	6.11	0.150	ug/L	Standard
	Cd	114	189	2025	3.45	0.179	ug/L	Standard
>	In	115	482503	459237	2.33		ug/L	Standard
	Sb	121	2372	5462	7.38	0.271	ug/L	Standard
	Sb	123	1878	4237	4.81	0.271	ug/L	Standard
	Ba	135	54	35328	2.16	11.455	ug/L	Standard
	Ba	137	91	59812	1.62	11.574	ug/L	Standard
	Tb	159	609131	606332	1.31		ug/L	Standard
>	Ho	165	632987	639305	2.31		ug/L	Standard
	Hg	201	23	52	6.93	0.018	ug/L	Standard
	Hg	202	53	116	15.71	0.017	ug/L	Standard
	Tl	203	83	379	21.75	0.019	ug/L	Standard
	Tl	205	188	862	15.54	0.018	ug/L	Standard
	Pb	208	11117	23063	53.61	0.243	ug/L	Standard
	Bi	209	353336	340989	0.15		ug/L	Standard
	Th	232	3393	13511	11.95	0.236	ug/L	Standard
	U	238	53	1240	16.68	0.025	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		94.372			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		134.087			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		113.239			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		95.178			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.998			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208312-04

Sample Date/Time: Thursday, August 25, 2022 02:14:44
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank:185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-04.217
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 158
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	142946	2.36		ug/L	Standard
	Li	7	10331	15244	1.90		ug/L	Standard
	Be	9	11	38	17.27	0.009	ug/L	Standard
	Al	27	53531	413540	4.03	13.822	ug/L	Standard
	Be-1	9	11	38	17.27	0.005	ug/L	Standard
>	Sc	45	234282	336527	2.43		ug/L	Standard
	V	51	5015	66036	1.98	3.040	ug/L	Standard
	V-1	51	3410	114372	4.54	5.500	ug/L	Standard
	Cr	52	14911	30292	7.62	0.842	ug/L	Standard
	Cr	53	1213	18704	9.51	8.716	ug/L	Standard
	Mn	55	7071	2243005	2.18	91.804	ug/L	Standard
	Fe	57	23864	718597	2.36	1465.199	ug/L	Standard
	Co	59	272	2879	0.79	0.135	ug/L	Standard
	Ni	60	392	5014	2.76	1.096	ug/L	Standard
	Ni	62	105	186	3.81	0.124	ug/L	Standard
	Cu	63	3208	7816	1.88	0.487	ug/L	Standard
	Cu	65	1468	2609	0.40	0.255	ug/L	Standard
	Zn	66	655	1287	5.41	0.263	ug/L	Standard
	Zn	67	112	649	3.96	1.503	ug/L	Standard
	Zn	68	795	2346	3.75	0.950	ug/L	Standard
	As-2	75	392	15904	2.32	6.570	ug/L	Standard
	As-3	75	545	17937	1.21	8.439	ug/L	Standard
	Se-1	77	143	776	3.03	3.999	ug/L	Standard
	Se-1	82	18	54	39.25	0.113	ug/L	Standard
>	Ge	72	32845	34763	2.13		ug/L	Standard
	As	75	392	15904	2.32	7.125	ug/L	Standard
	As-1	75	545	17937	1.21	9.157	ug/L	Standard
	Se	77	143	776	3.03	4.426	ug/L	Standard
	Se	82	18	54	39.25	0.130	ug/L	Standard
	Y	89	344475	391242	0.99		ug/L	Standard
	Mo	98	287	4572	1.65	0.567	ug/L	Standard
	Ag	107	142	246	22.07	0.009	ug/L	Standard
	Ag	109	144	274	19.93	0.008	ug/L	Standard

	Cd	111	54	143	11.86	0.022	ug/L	Standard
	Cd	114	189	603	6.91	0.041	ug/L	Standard
>	In	115	482503	459838	1.04		ug/L	Standard
	Sb	121	2372	4254	6.38	0.169	ug/L	Standard
	Sb	123	1878	3180	5.86	0.154	ug/L	Standard
	Ba	135	54	25632	1.30	8.295	ug/L	Standard
	Ba	137	91	43081	1.58	8.320	ug/L	Standard
	Tb	159	609131	609855	1.58		ug/L	Standard
>	Ho	165	632987	638104	1.53		ug/L	Standard
	Hg	201	23	52	12.72	0.018	ug/L	Standard
	Hg	202	53	108	12.46	0.015	ug/L	Standard
	Tl	203	83	165	24.27	0.005	ug/L	Standard
	Tl	205	188	406	22.19	0.006	ug/L	Standard
	Pb	208	11117	9740	69.80	-0.029	ug/L	Standard
	Bi	209	353336	331731	2.59		ug/L	Standard
	Th	232	3393	6717	7.58	0.077	ug/L	Standard
	U	238	53	2088	3.43	0.042	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		90.170			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		143.642			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		105.838			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		95.303			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.808			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	8260 Cal Std. (50/250 ppm)
Matrix:	Water	Volume spiked:	4.3 uL (60-190a) and 8.6 uL (60-190b), 43 uL (60-190c
Instrument ID:	GCMS #11	Date(s) Extracted:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
Reporting Units:	ug/L	Date(s) Analyzed:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
		Date Calculated:	6/3/2021, 09/01/22, 09/24/21, 12/09/21, 12/10/21, 02/2
		Calculation Analyst:	JCM, WE, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.246	0.492	1.230	0.082	0.264	0.200	132
Chloromethane	1.615	3.230	8.074	0.539	5.331	5.000	107
Vinyl chloride	0.018	0.036	0.090	0.006	0.052	0.050	105
Bromomethane	3.116	6.232	15.579	1.039	5.948	5.000	119
Chloroethane	0.143	0.286	0.715	0.048	0.270	0.200	135
Trichlorofluoromethane	0.187	0.374	0.936	0.062	0.223	0.200	112
2-Propanol							
Acetone	4.651	9.301	23.254	1.551	12.835	10.000	128
1,1-Dichloroethene	0.034	0.069	0.172	0.011	0.063	0.050	126
Hexane	0.124	0.248	0.620	0.041	0.244	0.200	122
Methylene chloride	2.640	5.279	13.198	0.880	5.052	5.000	101
t-Butyl alcohol (TBA)	7.869	15.739	39.347	2.625	25.924	25.000	104
Methyl t-butyl ether (MTBE	0.004	0.009	0.022	0.001	0.052	0.050	105
trans-1,2-Dichloroethene	0.035	0.069	0.173	0.012	0.215	0.200	107
Diisopropyl ether (DIPE)	0.049	0.099	0.247	0.017	0.203	0.200	101
1,1-Dichloroethane	0.006	0.012	0.030	0.002	0.024	0.020	121
Ethyl t-butyl ether (ETBE)	0.070	0.141	0.352	0.023	0.204	0.200	102
2,2-Dichloropropane	0.170	0.340	0.849	0.057	0.192	0.200	96
cis-1,2-Dichloroethene	0.016	0.031	0.078	0.005	0.059	0.050	117
Chloroform	0.050	0.100	0.251	0.017	0.214	0.200	107
2-Butanone (MEK)	2.997	5.994	14.985	1.000	11.380	10.000	114
t-Amyl methyl ether (TAME)	0.061	0.123	0.307	0.020	0.201	0.200	101
1,2-Dichloroethane (EDC)	0.051	0.101	0.253	0.017	0.218	0.200	109
1,1,1-Trichloroethane	0.007	0.014	0.035	0.002	0.025	0.020	123
1,1-Dichloropropene	0.122	0.244	0.609	0.041	0.208	0.200	104
Carbon tetrachloride	0.106	0.213	0.531	0.035	0.203	0.200	101
Benzene	0.017	0.034	0.086	0.006	0.027	0.020	137
Trichloroethene	0.045	0.089	0.223	0.015	0.064	0.050	128
1,2-Dichloropropane	0.144	0.288	0.721	0.048	0.213	0.200	107
Bromodichloromethane	0.092	0.184	0.461	0.031	0.202	0.200	101
Dibromomethane	0.090	0.179	0.448	0.030	0.220	0.200	110
4-Methyl-2-pentanone	0.474	0.948	2.371	0.158	0.902	1.000	90
cis-1,3-Dichloropropene	0.095	0.191	0.477	0.032	0.190	0.200	95
Toluene	0.040	0.081	0.201	0.013	0.025	0.020	123
trans-1,3-Dichloropropene	0.123	0.247	0.617	0.041	0.202	0.200	101
1,1,2-Trichloroethane	0.087	0.175	0.437	0.029	0.224	0.200	112
2-Hexanone	2.216	4.433	11.082	0.739	12.030	10.000	120
1,3-Dichloropropane	0.083	0.166	0.416	0.028	0.213	0.200	106
Tetrachloroethene	0.077	0.154	0.385	0.026	0.065	0.050	129
Dibromochloromethane	0.130	0.259	0.648	0.043	0.212	0.200	106
1,2-Dibromoethane (EDB)	0.045	0.089	0.223	0.015	0.213	0.200	106
Chlorobenzene	0.052	0.104	0.259	0.017	0.224	0.200	112
Ethylbenzene	0.025	0.049	0.123	0.008	0.026	0.020	128
1,1,1,2-Tetrachloroethane	0.094	0.188	0.470	0.031	0.212	0.200	106
m,p-Xylene	0.048	0.096	0.241	0.016	0.053	0.040	132
o-Xylene	0.019	0.039	0.097	0.006	0.026	0.020	128
Styrene	0.071	0.142	0.354	0.024	0.203	0.200	101
Isopropylbenzene	0.071	0.141	0.353	0.024	0.196	0.200	98
Bromoform	0.125	0.251	0.627	0.042	0.202	0.200	101
n-Propylbenzene	0.094	0.189	0.472	0.031	0.219	0.200	110
Bromobenzene	0.076	0.153	0.382	0.025	0.233	0.200	116
1,3,5-Trimethylbenzene	0.080	0.160	0.399	0.027	0.192	0.200	96
1,1,2,2-Tetrachloroethane	0.095	0.191	0.477	0.032	0.218	0.200	109
1,2,3-Trichloropropane	0.068	0.136	0.340	0.023	0.253	0.200	126
2-Chlorotoluene	0.096	0.193	0.482	0.032	0.227	0.200	113
4-Chlorotoluene	0.082	0.164	0.409	0.027	0.219	0.200	109
tert-Butylbenzene	0.076	0.153	0.382	0.025	0.205	0.200	103
1,2,4-Trimethylbenzene	0.074	0.148	0.370	0.025	0.187	0.200	94
sec-Butylbenzene	0.090	0.180	0.449	0.030	0.195	0.200	98
p-Isopropyltoluene	0.081	0.161	0.404	0.027	0.199	0.200	100
1,3-Dichlorobenzene	0.099	0.197	0.493	0.033	0.224	0.200	112
1,4-Dichlorobenzene	0.088	0.176	0.440	0.029	0.238	0.200	119
1,2-Dichlorobenzene	0.094	0.189	0.472	0.032	0.219	0.200	110
1,2-Dibromo-3-chloropropane	0.595	1.190	2.974	0.198	4.792	5.000	96
1,2,4-Trichlorobenzene	0.134	0.269	0.672	0.045	0.219	0.200	110
Hexachlorobutadiene	0.158	0.315	0.788	0.053	0.227	0.200	113
Naphthalene	0.195	0.390	0.974	0.065	0.237	0.200	119
1,2,3-Trichlorobenzene	0.114	0.228	0.569	0.038	0.208	0.200	104

EPA 8260D
Sequence Tables

Sequence Name: D:\GCMS11\sequence\08-23-22.sequence.xml
Comment:
Operator: JCM
Data Path: D:\GCMS11\GCMS11_Data\08-23-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

BS/24

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	082301	VM080522	rinse
2)	Sample	100	082302	VM080522	rinse
3)	Sample	1	082303	VM080522	10 ppb 8260 CCV 67-43N
4)	Sample	2	082304	VM080522	02-1942 lcs
5)	Sample	3	082305	VM080522	02-1942 lcsd
6)	Sample	100	082306	VM080522	rinse
7)	Sample	4	082307	VM080522	02-1942 mb
8)	Sample	5	082308	VM080522	02-1941 mb 1/0.25
9)	Sample	6	082309	VM080522	10 ppb 8260 CCV 67-43N
10)	Sample	100	082310	VM080522	rinse
11)	Sample	7	082311	VM080522	02-1942 mb rr
12)	Pause				
13)	Sample	100	082312	VM080522	50 ng BFB 66-171A
14)	Sample	100	082313	VM080522	rinse
15)	Sample	100	082314	VM080522	rinse
16)	Sample	100	082315	VM080522	rinse
17)	Sample	100	082316	VM080522	rinse
18)	Sample	100	082317	VM080522	rinse
19)	Sample	100	082318	VM080522	rinse
20)	Sample	100	082319	VM080522	50 ng BFB 66-171A
21)	Sample	100	082320	VM080522	rinse
22)	Sample	100	082321	VM080522	rinse
23)	Sample	100	082322	VM080522	rinse
24)	Sample	8	082323	VM080522	0.02 ppb 8260 ICAL 67-74F
25)	Sample	9	082324	VM080522	~~0.04~~ ppb 8260 ICAL 67-74G 0.05 8/23 DM
26)	Sample	10	082325	VM080522	0.1 ppb 8260 ICAL 67-74H
27)	Sample	11	082326	VM080522	0.2 ppb 8260 ICAL 67-74I
28)	Sample	12	082327	VM080522	0.5 ppb 8260 ICAL 67-74J
29)	Sample	13	082328	VM080522	1 ppb 8260 ICAL 67-74K
30)	Sample	14	082329	VM080522	2 ppb 8260 ICAL 67-74L
31)	Sample	15	082330	VM080522	5 ppb 8260 ICAL 67-74M
32)	Sample	16	082331	VM080522	10 ppb 8260 ICAL 67-74N
33)	Sample	17	082332	VM080522	20 ppb 8260 ICAL 67-74O
34)	Sample	18	082333	VM080522	50 ppb 8260 ICAL 67-74Q
35)	Sample	19	082334	VM080522	100 ppb 8260 ICAL 67-74S
36)	Sample	20	082335	VM080522	150 ppb 8260 ICAL 67-74T
37)	Sample	21	082336	VM080522	200 ppb 8260 ICAL 67-74U
38)	Sample	22	082337	VM080522	rinse
39)	Sample	23	082338	VM080522	10 ppb 8260 SCV 67-55C
40)	Sample	100	082339	VM080522	rinse
41)	Sample	100	082340	VM080522	rinse

Sequence Name: D:\GCMS11\sequence\08-23-22.sequence.xml
Comment:
Operator: JCM
Data Path: D:\GCMS11\GCMS11_Data\08-23-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run	Sequence Barcode Options
(X) Full Method	( ) On Mismatch, Inject Anyway
( ) Reprocessing Only	( ) On Mismatch, Don't Inject
	(X) Barcode Disabled

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42)	Sample	100	082341	VM080522 rinse
43)	Sample	100	082342	VM080522 rinse
44)	Sample	100	082343	VM080522 rinse

Injection Log

Data Directory: D:\Proc_GCMS11\08-23-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082301.D				
rinse		100	1.000	23 Aug 2022 05:09 am
2) 082302.D				
rinse		100	1.000	23 Aug 2022 05:31 am
3) 082303.D				
10 ppb 8260 CCV 67-4	soil/water	1	1.000	23 Aug 2022 05:54 am
4) 082304.D				
02-1942 lcs	water	2	1.000	23 Aug 2022 06:16 am
5) 082305.D				
02-1942 lcsd	water	3	1.000	23 Aug 2022 06:38 am
6) 082306.D				
rinse	soil/water	100	1.000	23 Aug 2022 07:00 am
7) 082307.D				
02-1942 mb	water	4	1.000	23 Aug 2022 07:23 am
8) 082308.D				
02-1941 mb 1/0.25	soil	5	1.000	23 Aug 2022 07:45 am
9) 082309.D				
10 ppb 8260 CCV 67-4	soil/water	6	1.000	23 Aug 2022 08:23 am
10) 082310.D				
rinse		100	1.000	23 Aug 2022 08:45 am
11) 082311.D				
02-1942 mb rr	water	7	1.000	23 Aug 2022 09:07 am
12) 082312.D				
50 ng BFB 66-171A	direct inject	100	1.000	23 Aug 2022 10:48 am
13) 082313.D				
rinse		100	1.000	23 Aug 2022 12:13 pm
14) 082314.D				
rinse		100	1.000	23 Aug 2022 12:36 pm
15) 082315.D				
rinse		100	1.000	23 Aug 2022 12:58 pm
16) 082316.D				
rinse		100	1.000	23 Aug 2022 01:20 pm
17) 082317.D				
rinse		100	1.000	23 Aug 2022 01:42 pm
18) 082318.D				
rinse		100	1.000	23 Aug 2022 02:04 pm
19) 082319.D				
50 ng BFB 66-171A	direct inject	100	1.000	23 Aug 2022 04:11 pm
20) 082320.D				
rinse		100	1.000	23 Aug 2022 04:43 pm
21) 082321.D				

DNR; IS +

rinse	100	1.000	23 Aug 2022	05:06 pm
22) 082322.D				
rinse	100	1.000	23 Aug 2022	06:14 pm
23) 082323.D				
0.02 ppb 8260 ICAL 6	8	1.000	23 Aug 2022	06:36 pm
24) 082324.D				
0.05 ppb 8260 ICAL 6	9	1.000	23 Aug 2022	06:59 pm
25) 082325.D				
0.1 ppb 8260 ICAL 67	10	1.000	23 Aug 2022	07:21 pm
26) 082326.D				
0.2 ppb 8260 ICAL 67	11	1.000	23 Aug 2022	07:44 pm
27) 082327.D				
0.5 ppb 8260 ICAL 67	12	1.000	23 Aug 2022	08:06 pm
28) 082328.D				
1 ppb 8260 ICAL 67-7	13	1.000	23 Aug 2022	08:28 pm
29) 082329.D				
2 ppb 8260 ICAL 67-7	14	1.000	23 Aug 2022	08:51 pm
30) 082330.D				
5 ppb 8260 ICAL 67-7	15	1.000	23 Aug 2022	09:13 pm
31) 082331.D				
10 ppb 8260 ICAL 67-	16	1.000	23 Aug 2022	09:36 pm
32) 082332.D				
20 ppb 8260 ICAL 67-	17	1.000	23 Aug 2022	09:58 pm
33) 082333.D				
50 ppb 8260 ICAL 67-	18	1.000	23 Aug 2022	10:20 pm
34) 082334.D				
100 ppb 8260 ICAL 67	19	1.000	23 Aug 2022	10:43 pm
35) 082335.D				
150 ppb 8260 ICAL 67	20	1.000	23 Aug 2022	11:05 pm
36) 082336.D				
200 ppb 8260 ICAL 67	21	1.000	23 Aug 2022	11:27 pm
37) 082337.D				
rinse	22	1.000	23 Aug 2022	11:50 pm
38) 082338.D				
10 ppb 8260 SCV 67-5	23	1.000	24 Aug 2022	12:12 am
39) 082339.D				
rinse	100	1.000	24 Aug 2022	12:34 am
40) 082340.D				
rinse	100	1.000	24 Aug 2022	12:56 am
41) 082341.D				
rinse	100	1.000	24 Aug 2022	01:18 am
42) 082342.D				
rinse	100	1.000	24 Aug 2022	01:40 am
43) 082343.D				
rinse	100	1.000	24 Aug 2022	02:02 am

Sequence Name: D:\GCMS11\sequence\08-26-22.sequence.xml
Comment:
Operator: JCM
Data Path: D:\GCMS11\GCMS11_Data\08-26-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

B 8/29

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	082601	VM080522	rinse
2)	Sample	100	082602	VM080522	rinse
3)	Sample	1	082603	VM080522	10 ppb 8260 CCV 67-43N
4)	Sample	2	082604	VM080522	02-1950 lcs
5)	Sample	3	082605	VM080522	02-1950 lcsd
6)	Sample	100	082606	VM080522	rinse
7)	Sample	4	082607	VM080522	02-1950 mb
8)	Sample	5	082608	VM080522	02-1949 mb 1/0.25
9)	Sample	6	082609	VM080522	208411-01
10)	Sample	7	082610	VM080522	208343-07
11)	Sample	8	082611	VM080522	208343-10
12)	Sample	9	082612	VM080522	208343-01
13)	Sample	10	082613	VM080522	208343-02
14)	Sample	11	082614	VM080522	208343-03
15)	Sample	12	082615	VM080522	208343-04
16)	Sample	13	082616	VM080522	208343-05
17)	Sample	14	082617	VM080522	208343-06
18)	Sample	15	082618	VM080522	208343-11
19)	Sample	16	082619	VM080522	208343-08
20)	Sample	17	082620	VM080522	208343-09
21)	Sample	18	082621	VM080522	208312-01
22)	Sample	19	082622	VM080522	208312-02
23)	Sample	20	082623	VM080522	208312-03
24)	Sample	21	082624	VM080522	208312-04
25)	Sample	22	082625	VM080522	208343-05 ms
26)	Sample	23	082626	VM080522	208343-05 msd
27)	Sample	24	082627	VM080522	208312-01 ms
28)	Sample	25	082628	VM080522	208312-01 msd
29)	Sample	26	082629	VM080522	10 ppb 8260 CCV 67-74N
30)	Sample	27	082630	VM080522	02-1953 lcs
31)	Sample	28	082631	VM080522	02-1953 lcsd
32)	Sample	29	082632	VM080522	208396-05 ms
33)	Sample	30	082633	VM080522	208396-05 msd
34)	Sample	100	082634	VM080522	rinse
35)	Sample	100	082635	VM080522	rinse
36)	Sample	31	082636	VM080522	02-1953 mb
37)	Sample	32	082637	VM080522	208351-05
38)	Sample	33	082638	VM080522	208394-06 208396-06 B 8/29
39)	Sample	34	082639	VM080522	208351-03
40)	Sample	35	082640	VM080522	208351-04
41)	Sample	36	082641	VM080522	208396-01

Sequence Name: D:\GCMS11\sequence\08-26-22.sequence.xml
Comment:
Operator: JCM
Data Path: D:\GCMS11\GCMS11_Data\08-26-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

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42)	Sample	37	082642	VM080522 208396-03	
43)	Sample	38	082643	VM080522 208396-04	
44)	Sample	39	082644	VM080522 208396-05	
45)	Sample	40	082645	VM080522 208396-07	
46)	Sample	41	082646	VM080522 208396-02	1/10
47)	Sample	42	082647	VM080522 208396-02	
48)	Sample	43	082648	VM080522 208326-01	1/200
49)	Sample	44	082649	VM080522 208326-02	1/200
50)	Sample	45	082650	VM080522 208326-03	1/200
51)	Sample	46	082651	VM080522 208326-04	
52)	Sample	47	082652	VM080522 208383-03	
53)	Sample	48	082653	VM080522 208383-04	
54)	Sample	49	082654	VM080522 208383-06	
55)	Sample	50	082655	VM080522 208383-07	
56)	Sample	51	082656	VM080522 208383-08	
57)	Sample	52	082657	VM080522 208383-01	
58)	Sample	53	082658	VM080522 208383-02	1/5
59)	Sample	54	082659	VM080522 208383-05	
60)	Sample	100	082660	VM080522 rinse	
61)	Sample	100	082661	VM080522 rinse	
62)	Sample	100	082662	VM080522 rinse	

Injection Log

Data Directory: D:\Proc_GCMS11\08-26-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082601.D rinse		100	1.000	26 Aug 2022 07:59 am
2) 082602.D rinse		100	1.000	26 Aug 2022 08:22 am
3) 082603.D 10 ppb 8260 CCV 67-4	soil/water	1	1.000	26 Aug 2022 08:44 am
4) 082604.D 02-1950 lcs	water	2	1.000	26 Aug 2022 09:07 am
5) 082605.D 02-1950 lcsd	water	3	1.000	26 Aug 2022 09:29 am
6) 082606.D rinse	soil/water	100	1.000	26 Aug 2022 09:51 am
7) 082607.D 02-1950 mb	water	4	1.000	26 Aug 2022 10:14 am
8) 082608.D 02-1949 mb 1/0.25	soil	5	1.000	26 Aug 2022 10:36 am
9) 082609.D 208411-01	water	6	1.000	26 Aug 2022 12:27 pm
10) 082610.D 208343-07	water	7	1.000	26 Aug 2022 12:50 pm
11) 082611.D 208343-10	water	8	1.000	26 Aug 2022 01:12 pm
12) 082612.D 208343-01	water	9	1.000	26 Aug 2022 01:34 pm
13) 082613.D 208343-02	water	10	1.000	26 Aug 2022 01:57 pm
14) 082614.D 208343-03	water	11	1.000	26 Aug 2022 02:19 pm
15) 082615.D 208343-04	water	12	1.000	26 Aug 2022 02:42 pm
16) 082616.D 208343-05	water	13	1.000	26 Aug 2022 03:04 pm
17) 082617.D 208343-06	water	14	1.000	26 Aug 2022 03:26 pm
18) 082618.D 208343-11	water	15	1.000	26 Aug 2022 03:49 pm
19) 082619.D 208343-08	water	16	1.000	26 Aug 2022 04:12 pm
20) 082620.D 208343-09	water	17	1.000	26 Aug 2022 04:34 pm
21) 082621.D				

208312-01	water	18	1.000	26 Aug 2022	04:56 pm
22) 082622.D					
208312-02	water	19	1.000	26 Aug 2022	05:19 pm
23) 082623.D					
208312-03	water	20	1.000	26 Aug 2022	05:41 pm
24) 082624.D					
208312-04	water	21	1.000	26 Aug 2022	06:04 pm
25) 082625.D					
208343-05 ms	water	22	1.000	26 Aug 2022	06:27 pm
26) 082626.D					
208343-05 msd	water	23	1.000	26 Aug 2022	06:49 pm
27) 082627.D					
208312-01 ms	water	24	1.000	26 Aug 2022	07:11 pm
28) 082628.D					
208312-01 msd	water	25	1.000	26 Aug 2022	07:34 pm
29) 082629.D					
10 ppb 8260 CCV 67-7	soil/water	26	1.000	26 Aug 2022	07:56 pm
30) 082630.D					
02-1953 lcs	water	27	1.000	26 Aug 2022	08:18 pm
31) 082631.D					
02-1953 lcsd	water	28	1.000	26 Aug 2022	08:41 pm
32) 082632.D					
208396-05 ms	water	29	1.000	26 Aug 2022	09:03 pm
33) 082633.D					
208396-05 msd DNR,	water spike	30	1.000	26 Aug 2022	09:26 pm
34) 082634.D					
rinse	water	100	1.000	26 Aug 2022	09:48 pm
35) 082635.D					
rinse	water	100	1.000	26 Aug 2022	10:10 pm
36) 082636.D					
02-1953 mb	water	31	1.000	26 Aug 2022	10:32 pm
37) 082637.D					
208351-05	water	32	1.000	26 Aug 2022	10:54 pm
38) 082638.D					
208396-06	water	33	1.000	26 Aug 2022	11:17 pm
39) 082639.D					
208351-03	water	34	1.000	26 Aug 2022	11:39 pm
40) 082640.D					
208351-04	water	35	1.000	27 Aug 2022	12:01 am
41) 082641.D					
208396-01	water	36	1.000	27 Aug 2022	12:24 am
42) 082642.D					
208396-03	water	37	1.000	27 Aug 2022	12:46 am
43) 082643.D					
208396-04	water	38	1.000	27 Aug 2022	01:09 am

44) 082644.D 208396-05	water	39	1.000	27 Aug 2022	01:31 am
45) 082645.D 208396-07	water	40	1.000	27 Aug 2022	01:54 am
46) 082646.D 208396-02 1/10	water	41	1.000	27 Aug 2022	02:16 am
47) 082647.D 208396-02	water	42	1.000	27 Aug 2022	02:38 am
48) 082648.D 208326-01 1/200	water	43	1.000	27 Aug 2022	03:01 am
49) 082649.D 208326-02 1/200	water	44	1.000	27 Aug 2022	03:23 am
50) 082650.D 208326-03 1/200	water	45	1.000	27 Aug 2022	03:45 am
51) 082651.D 208326-04	water	46	1.000	27 Aug 2022	04:08 am
52) 082652.D 208383-03	water	47	1.000	27 Aug 2022	04:30 am
53) 082653.D 208383-04	water	48	1.000	27 Aug 2022	04:53 am
54) 082654.D 208383-06	water	49	1.000	27 Aug 2022	05:15 am
55) 082655.D 208383-07	water	50	1.000	27 Aug 2022	05:38 am
56) 082656.D 208383-08	water	51	1.000	27 Aug 2022	06:00 am
57) 082657.D 208383-01	water	52	1.000	27 Aug 2022	06:22 am
58) 082658.D 208383-02 1/5	water	53	1.000	27 Aug 2022	06:45 am
59) 082659.D 208383-05	water	54	1.000	27 Aug 2022	07:07 am
60) 082660.D rinse	water	100	1.000	27 Aug 2022	07:29 am
61) 082661.D rinse	water	100	1.000	27 Aug 2022	07:51 am
62) 082662.D rinse	water	100	1.000	27 Aug 2022	08:13 am

EPA 8260D
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 08/23/22 Shift # 2

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	JLM	08/26/22
2nd source passed		
Analyte retention time checked		
Tune passed		
Non-Conformance Report filled out (if needed)		

Notes: TOLUENE LOW POINT 0.05ppb; LL RL 0.001→0.002 mg/kg. (4x MEOH)

Attach this sheet to raw data package.

YA 08/29/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 Sequence Date: 08/26/22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	JLM	08/27/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)		
Surrogate recoveries within limits		
Laboratory control sample (LCS) recoveries within limits		
Matrix spike (MS) analyzed		
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed		
Non-Conformance Report filled out (if needed)		

Notes: DCM ↑

Attach this sheet to raw data package.

YA 08/29/22
Supervisor Initials and Date

EPA 8260D

Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS11\08-23-22\082319.D
Tune Time : 23 Aug 2022 04:11 pm

Daily Calibration File : D:\Proc_GCMS11\08-23-22\082330.D

	(DMF)	(DHL)	(TOL)	(BFB)			
					70384	62465	35158
File	Sample	Surrogate Recovery %			Internal Standard Responses		
082323.D	0.02 ppb 8	98	97	101	102	74168	62425	34753
082324.D	0.05 ppb 8	99	100	97	102	72735	61077	34099
082325.D	0.1 ppb 82	104	101	98	100	70684	60216	34372
082326.D	0.2 ppb 82	100	97	103	102	72194	63703	34816
082327.D	0.5 ppb 82	101	103	102	102	71985	64937	35085
082328.D	1 ppb 8260	100	98	103	103	70615	63060	34833
082329.D	2 ppb 8260	101	106	100	101	69119	58593	33534
082330.D	5 ppb 8260	103	97	104	99	70384	62465	35158
082331.D	10 ppb 826	103	101	104	101	68251	61615	34588
082332.D	20 ppb 826	101	100	101	99	69665	61348	35134
082333.D	50 ppb 826	97	101	95	95	69507	60537	34745
082334.D	100 ppb 82	100	100	98	98	69600	60693	35363
082335.D	150 ppb 82	98	102	98	98	69436	58650	35067
082336.D	200 ppb 82	96	96	95	98	69813	57089	34343
082338.D	10 ppb 826	98	97	100	104	70501	60409	33497

(fails) - fails 12hr time check * - fails criteria

Created: Fri Aug 26 20:04:19 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS11\08-26-22\082603.D
Tune Time : 26 Aug 2022 08:44 am

Daily Calibration File : D:\Proc_GCMS11\08-26-22\082603.D

		(DMF)	(DHL)	(TOL)	(BFB)	66119	51507	29999
File	Sample	Surrogate Recovery %				Internal Standard Responses		
082604.D	02-1950 lc	89	87	88	96	71155	51780	30350
082605.D	02-1950 lc	99	108	94	94	66060	52713	31106
082607.D	02-1950 mb	100	100	92	94	66901	51570	30662
082609.D	208411-01	104	98	97	96	61324	53340	31961
082610.D	208343-07	101	103	97	100	61600	52645	30249
082611.D	208343-10	100	103	104	103	60677	55240	30644
082612.D	208343-01	101	103	102	101	62363	57148	32521
082613.D	208343-02	101	99	103	102	63162	56245	32300
082614.D	208343-03	97	96	103	101	63897	57737	32212
082615.D	208343-04	98	102	98	98	65552	55114	31992
082616.D	208343-05	97	100	99	101	67254	56232	31326
082617.D	208343-06	101	97	99	100	66791	56807	31905
082618.D	208343-11	99	98	98	100	66233	56404	31647
082619.D	208343-08	99	98	97	98	65617	55320	31709
082620.D	208343-09	103	100	104	100	62299	57295	32369
082621.D	208312-01	104	97	106	101	62679	57881	31939
082622.D	208312-02	100	106	103	103	62366	56636	31514
082623.D	208312-03	101	93	100	100	63286	56953	32744
082624.D	208312-04	100	95	95	105	63662	53530	30629

082625.D								
	208343-05	101	99	104	101		62309	55983	32040
082626.D								
	208343-05	99	98	102	100		60902	53817	31337
082627.D								
	208312-01	101	98	102	101		60852	54504	31097
082628.D								
	208312-01	97	98	103	101		61630	54053	31170

(fails) - fails 12hr time check * - fails criteria

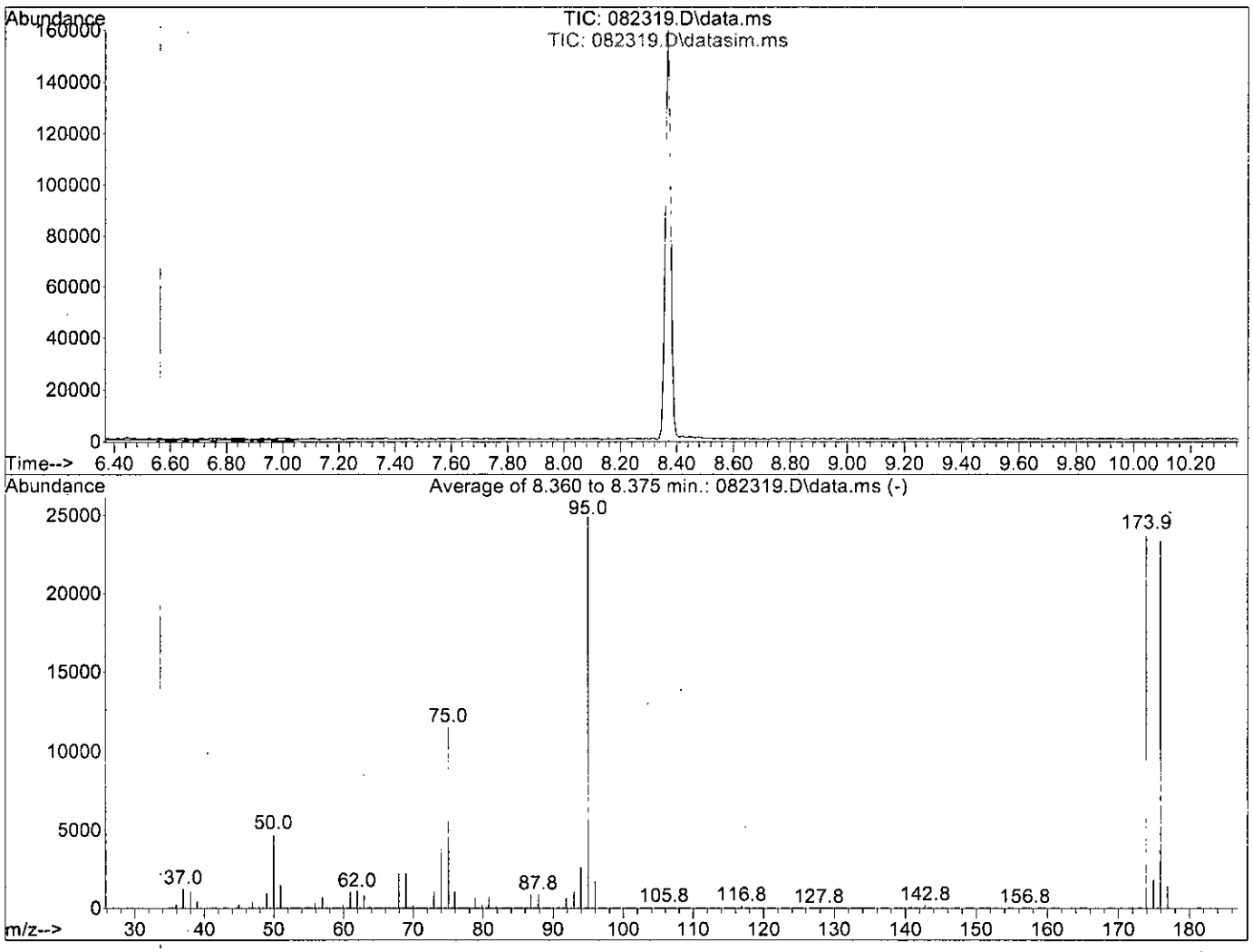
Created: Sat Aug 27 19:23:41 2022 GCMS11

EPA 8260D
Tune Summaries

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082319.D
Acq On : 23 Aug 2022 04:11 pm
Operator : JCM
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : D:\METHODS\Inst11\VB082322ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Aug 25 07:55:03 2022



AutoFind: Scans 884, 885, 886; Background Corrected with Scan 878

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	104.5	24928	PASS
96	95	5	9	7.1	1775	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	95.7	23861	PASS
175	174	5	9	8.0	1916	PASS
176	174	95	105	98.3	23459	PASS
177	176	5	10	6.2	1463	PASS

EPA 8260D
Initial Calibrations

Response Factor Report GCMS11

Method Path : D:\METHODS\Inst11\
Method File : VB082322ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Aug 25 07:55:03 2022
Response Via : Initial Calibration

Calibration Files
0.02=082323.D 0.05=082324.D 0.1 =082325.D 0.2 =082326.D 0.5 =082327.D 1 =082328.D 2 =082329.D
5 =082330.D 10 =082331.D 20 =082332.D 50 =082333.D 100 =082334.D 150 =082335.D 200 =082336.D

	Compound	0.02	0.05	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I Fluorobenzene	----------				ISTD	----------										
2)	TMP Ethanol															0.000#	-1.00
3)	S Dibromofluorom...	0.285	0.287	0.301	0.290	0.293	0.290	0.293	0.297	0.298	0.292	0.280	0.288	0.283	0.278	0.290	2.32
4)	TMP Dichlorodifluo...						0.548	0.673	0.822	0.823	0.810	0.803	0.782	0.803	0.786	0.761	12.08
5)	TMP Chloromethane						0.962	0.909	0.960	0.908	0.881	0.875	0.856	0.890	0.856	0.900	4.40
6)	TMP Vinyl chloride	0.870	0.789	0.758	0.760	0.755	0.741	0.788	0.883	0.900	0.869	0.847	0.818	0.838	0.813	0.816	6.43
7)	TMP Bromomethane							0.455	0.492	0.599	0.541	0.530	0.501	0.526	0.506	0.519	8.09
8)	TMP Chloroethane				0.386	0.384	0.386	0.410	0.440	0.443	0.423	0.416	0.406	0.413	0.403	0.410	4.94
9)	TMP Trichlorofluor...				1.047	0.924	0.951	1.010	1.036	1.104	1.087	1.060	1.042	1.069	1.050	1.035	5.27
10)	TMP 2-Propanol															0.000	-1.00
11)	TMP Acetone						0.025	0.030	0.024	0.022	0.022	0.022	0.023	0.023	0.023	0.024	11.14
12)	TMP 1,1-Dichloroet...	0.391	0.313	0.289	0.284	0.270	0.258	0.274	0.285	0.287	0.276	0.270	0.269	0.273	0.268	0.286	11.52
13)	TMP Hexane						0.538	0.503	0.442	0.450	0.441	0.453	0.431	0.451	0.437	0.461	7.75
14)	TMP Methylene chlo...							2.129	0.977	0.706	0.481	0.365	0.327	0.320	0.308	0.702	88.79
15)	TMP t-Butyl alcoho...					0.030	0.030	0.036	0.035	0.034	0.035	0.035	0.034	0.034	0.034	0.034	6.14
16)	TMP Methyl t-butyl...	0.971	0.877	0.840	0.844	0.809	0.781	0.838	0.843	0.855	0.832	0.804	0.796	0.801	0.787	0.834	5.79
17)	TMP trans-1,2-Dich...	0.465	0.377	0.331	0.319	0.301	0.292	0.308	0.323	0.322	0.309	0.300	0.295	0.299	0.293	0.324	14.29
18)	TMP Diisopropyl et...				1.028	0.947	0.925	0.993	0.974	0.988	0.968	0.943	1.021	0.953	0.937	0.971	3.50
19)	TMP 1,1-Dichloroet...	0.674	0.660	0.630	0.596	0.570	0.551	0.588	0.615	0.593	0.577	0.563	0.551	0.559	0.548	0.591	6.83
20)	TMP Ethyl t-butyl ...				0.363	0.349	0.339	0.362	0.341	0.368	0.360	0.352	0.354	0.361	0.352	0.355	2.60
21)	TMP 2,2-Dichloropr...				0.497	0.431	0.383	0.376	0.339	0.360	0.339	0.346	0.303	0.323	0.309	0.364	15.74
22)	TMP cis-1,2-Dichlo...	0.465	0.418	0.368	0.352	0.333	0.319	0.342	0.335	0.359	0.335	0.329	0.322	0.331	0.323	0.352	11.74
23)	TMP Chloroform				0.635	0.588	0.555	0.559	0.534	0.551	0.539	0.533	0.516	0.532	0.519	0.551	6.25
24)	TMP 2-Butanone (MEK)					0.144	0.122	0.146	0.119	0.130	0.131	0.127	0.127	0.127	0.123	0.130	6.78
25)	TMP t-Amyl methyl ...				0.768	0.750	0.735	0.798	0.770	0.811	0.795	0.784	0.780	0.789	0.787	0.779	2.81
26)	TMP 1,2-Dichloroet...	0.937	0.649	0.538	0.464	0.425	0.406	0.431	0.413	0.427	0.419	0.411	0.402	0.405	0.396	0.480	30.94
27)	TMP 1,1,1-Trichlor...	0.613	0.583	0.518	0.501	0.487	0.468	0.504	0.495	0.511	0.500	0.490	0.484	0.491	0.480	0.509	7.91
28)	TMP 1,1-Dichloropr...				0.416	0.372	0.374	0.413	0.372	0.378	0.385	0.381	0.377	0.388	0.386	0.386	3.93
29)	TMP Carbon tetrach...				0.382	0.387	0.407	0.425	0.417	0.426	0.428	0.419	0.416	0.429	0.419	0.414	3.82
30)	S 1,2-Dichloroet...	0.059	0.061	0.061	0.059	0.063	0.060	0.064	0.059	0.062	0.061	0.061	0.061	0.062	0.058	0.061	2.76
31)	TMP Benzene	1.658	1.350	1.241	1.151	1.105	1.062	1.152	1.115	1.149	1.130	1.111	1.097	1.111	1.090	1.180	13.18
32)	TMP Trichloroethene	0.485	0.385	0.349	0.323	0.305	0.293	0.317	0.307	0.317	0.312	0.308	0.304	0.309	0.305	0.330	15.27
33)	TMP 1,2-Dichloropr...				0.361	0.307	0.287	0.312	0.304	0.296	0.292	0.285	0.282	0.287	0.284	0.300	7.54
34)	TMP Bromodichlorom...				0.429	0.387	0.335	0.375	0.366	0.378	0.371	0.368	0.368	0.379	0.373	0.375	5.93
35)	S Toluene-d8	1.045	1.006	1.015	1.068	1.058	1.065	1.033	1.071	1.072	1.048	0.983	1.014	1.011	0.987	1.034	3.03
36)	TMP Dibromomethane				0.166	0.159	0.171	0.176	0.169	0.171	0.175	0.169	0.167	0.169	0.166	0.169	2.76
37)	TMP 4-Methyl-2-pen...				0.039	0.054	0.043	0.049	0.045	0.046	0.046	0.045	0.045	0.045	0.043	0.045	8.26
38)	TMP cis-1,3-Dichlo...				0.400	0.377	0.363	0.426	0.419	0.446	0.422	0.418	0.424	0.432	0.421	0.413	5.90
39)	I Chlorobenzene-d5	----------				ISTD	----------										
40)	TMP Toluene		2.849	1.709	1.196	0.926	0.840	0.882	0.831	0.840	0.835	0.810	0.805	0.840	0.843	1.093	53.48
41)	TMP trans-1,3-Dich...				0.469	0.401	0.383	0.453	0.419	0.428	0.439	0.424	0.433	0.461	0.459	0.434	6.11
42)	TMP 1,1,2-Trichlor...				0.253	0.237	0.235	0.254	0.243	0.247	0.247	0.238	0.237	0.248	0.247	0.244	2.70
43)	TMP 2-Hexanone					0.243	0.221	0.252	0.231	0.229	0.231	0.222	0.220	0.230	0.222	0.230	4.54
44)	TMP 1,3-Dichloropr...				0.485	0.460	0.441	0.460	0.439	0.446	0.443	0.425	0.425	0.446	0.444	0.447	3.79
45)	TMP Tetrachloroethene	0.913	0.612	0.443	0.399	0.344	0.333	0.358	0.335	0.339	0.339	0.330	0.324	0.336	0.337	0.410	39.92
46)	TMP Dibromochlorom...				0.328	0.283	0.318	0.361	0.340	0.357	0.347	0.352	0.349	0.369	0.373	0.343	7.55
47)	TMP 1,2-Dibromoeth...	0.489	0.383	0.334	0.319	0.291	0.292	0.316	0.301	0.305	0.306	0.297	0.293	0.309	0.308	0.325	16.27
48)	TMP Chlorobenzene				0.963	0.929	0.922	1.030	0.926	0.961	0.960	0.932	0.924	0.976	0.982	0.955	3.48
49)	TMP Ethylbenzene	3.628	2.400	1.975	1.791	1.602	1.542	1.664	1.591	1.619	1.607	1.550	1.525	1.606	1.594	1.835	30.86
50)	TMP 1,1,1,2-Tetrac...				0.430	0.302	0.305	0.359	0.331	0.356	0.354	0.349	0.351	0.370	0.375	0.353	9.87
51)	TMP m,p-Xylene	1.858	1.102	0.849	0.734	0.636	0.605	0.649	0.615	0.624	0.624	0.604	0.599	0.634	0.635	0.769	44.49
52)	TMP o-Xylene	1.386	0.917	0.757	0.687	0.614	0.587	0.641	0.607	0.619	0.616	0.600	0.601	0.633	0.638	0.707	30.23
53)	TMP Styrene				1.121	1.011	0.966	0.995	0.976	1.011	1.017	0.992	0.998	1.057	1.067	1.019	4.46
54)	TMP Isopropylbenzene				1.709	1.565	1.515	1.617	1.579	1.583	1.594	1.565	1.556	1.643	1.643	1.597	3.33
55)	TMP Bromoform				0.170	0.192	0.182	0.226	0.221	0.227	0.237	0.247	0.256	0.274	0.279	0.228	15.74
56)	I 1,4-Dichlorobenzen...	----------				ISTD	----------										
57)	S 4-Bromofluorob...	0.854	0.851	0.839	0.854	0.849	0.856	0.839	0.830	0.845	0.824	0.790	0.818	0.822	0.815	0.835	2.30
58)	TMP n-Propylbenzene				3.610	3.200	3.074	3.150	3.142	3.191	3.184	3.115	3.022	3.102	3.109	3.173	4.88
59)	TMP Bromobenzene				0.781	0.770	0.791	0.786	0.797	0.836	0.812	0.784	0.783	0.811	0.805	0.796	2.35
60)	TMP 1,3,5-Trimethy...				2.815	2.485	2.173	2.353	2.255	2.312	2.329	2.290	2.229	2.290	2.280	2.346	7.42
61)	TMP 1,1,2,2-Tetrac...				0.655	0.619	0.632	0.693	0.663	0.672	0.651	0.643	0.638	0.656	0.654	0.652	3.08
62)	TMP 1,2,3-Trichlor...				0.550	0.515	0.500	0.533	0.467	0.465	0.475	0.456	0.459	0.472	0.465	0.487#	6.67
63)	TMP 2-Chlorotoluene				2.288	2.082	1.897	1.955	1.850	1.914	1.868	1.815	1.784	1.857	1.841	1.923	7.54
64)	TMP 4-Chlorotoluene				2.243	2.140	2.259	2.290	2.183	2.200	2.193	2.150	2.104	2.166	2.162	2.190	2.53
65)	TMP tert-Butylbenzene				2.136	2.164	1.933	2.058	2.046	2.065	2.064	2.033	2.018	2.052	2.099	2.061	2.95
66)	TMP 1,2,4-Trimethy...				2.833	2.412	2.296	2.377	2.337	2.379	2.376	2.368	2.323	2.400	2.406	2.410	6.02
67)	TMP sec-Butylbenzene				3.236	2.963	2.854	3.065	3.027	3.072	3.028	3.066	2.982	3.064	3.066	3.038	3.06
68)	TMP p-Isopropyltol...				2.586	2.585	2.474	2.664	2.610	2.669	2.657	2.679	2.590	2.680	2.683	2.625	2.44
69)	TMP 1,3-Dichlorobe...				1.633	1.545	1.447	1.488	1.446	1.488	1.477	1.459	1.451	1.494	1.489	1.493	3.66
70)	TMP 1,4-Dichlorobe...				1.695	1.525	1.423	1.533	1.454	1.502	1.491	1.465	1.463	1.500	1.505	1.505	4.70
71)	TMP 1,2-Dichlorobe...				1.672	1.480	1.469	1.486	1.444	1.451	1.437	1.416	1.402	1.438	1.445	1.467	4.92
72)	TMP 1,2-Dibromo-3-...					0.131	0.098	0.115	0.114	0.116	0.120	0.118	0.118	0.124	0.125	0.118	7.38
73)	TMP 1,2,4-Trichlor...				1.170	1.072	1.060	1.073	1.052	1.060	1.080	1.096	1.084	1.126	1.159	1.094	3.70
74)	TMP Hexachlorobuta...				0.593	0.682	0.541	0.650	0.609	0.628	0.617	0.641	0.608	0.636	0.652	0.623	5.92
75)	TMP Naphthalene			2.496	2.059	1.997	1.923	2.134	1.991	2.081	2.109	2.153	2.170	2.247	2.288	2.138	7.22
76)	TMP 1,2,3-Trichlor...				1.020	0.915	0.900	1.013	0.946	0.975	0.982	1.000	0.990	1.026	1.043	0.983	4.66

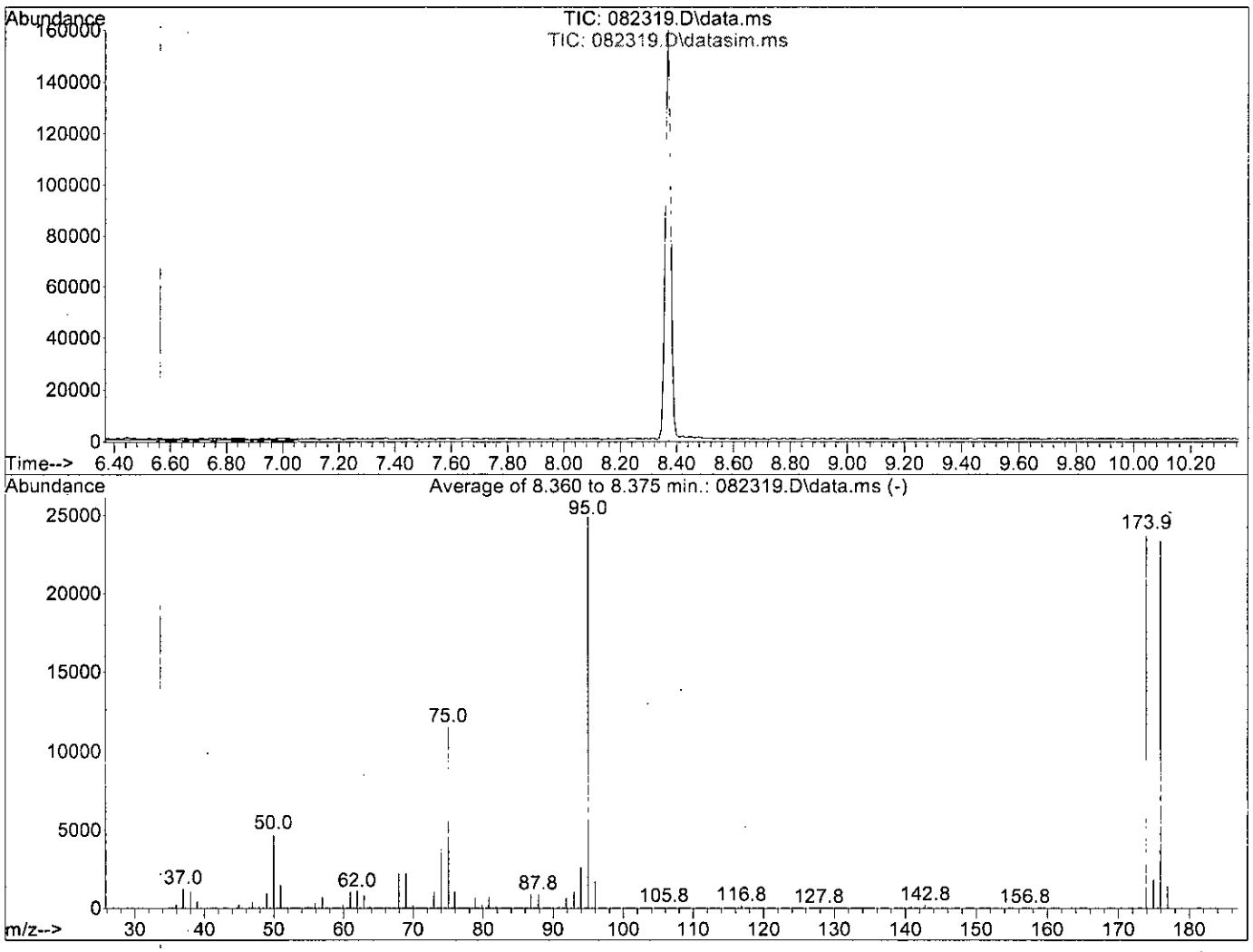
(#) = Out of Range

VB082322ms11.M Fri Aug 26 19:42:22 2022

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082319.D
Acq On : 23 Aug 2022 04:11 pm
Operator : JCM
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : D:\METHODS\Inst11\VB082322ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Aug 25 07:55:03 2022



AutoFind: Scans 884, 885, 886; Background Corrected with Scan 878

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	104.5	24928	PASS
96	95	5	9	7.1	1775	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	95.7	23861	PASS
175	174	5	9	8.0	1916	PASS
176	174	95	105	98.3	23459	PASS
177	176	5	10	6.2	1463	PASS

Compound List Report GCMS11

Method Path : D:\METHODS\Inst11\
Method File : VB082322ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Aug 25 07:55:03 2022
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.63	1.000	A	1	A	B
2	T	Ethanol	45	1.89	0.409	A	1	A	B
3	S	Dibromofluoromethane	113	4.08	0.881	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.08	0.233	A	1	A	B
5	T	Chloromethane	50	1.22	0.263	A	1	A	B
6	T	Vinyl chloride	-62	1.29	0.279	A	1	A	B
7	T	Bromomethane	94	1.53	0.331	A	1	A	B
8	T	Chloroethane	-64	1.59	0.343	A	1	A	B
9	T	Trichlorofluoromethane	101	1.79	0.387	A	1	A	B
10	T	2-Propanol	45	2.40	0.519	A	1	A	B
11	T	Acetone	58	2.26	0.489	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.19	0.474	A	2	A	B
13	T	Hexane	57	3.05	0.659	A	2	A	B
14	T	Methylene chloride	84	2.61	0.563	Q	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.73	0.591	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.84	0.613	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.83	0.612	L	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.24	0.701	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.18	0.688	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.55	0.767	A	3	A	B
21	T	2,2-Dichloropropane	77	3.67	0.792	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.67	0.793	L	2	A	B
23	T	Chloroform	83	3.94	0.851	A	1	A	B
24	T	2-Butanone (MEK)	43	3.71	0.801	L	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.50	0.972	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.42	0.955	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.08	0.882	A	2	A	B
28	T	1,1-Dichloropropene	75	4.22	0.911	A	2	A	B
29	T	Carbon tetrachloride	117	4.21	0.909	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.36	0.942	A	1	A	B
31	T	Benzene	-78	4.39	0.950	L	1	A	B
32	T	Trichloroethene	-95	4.93	1.065	L	3	A	B
33	T	1,2-Dichloropropane	63	5.13	1.109	A	1	A	B
34	T	Bromodichloromethane	83	5.37	1.161	A	2	A	B
35	S	Toluene-d8	98	5.98	1.293	A	1	A	B
36	T	Dibromomethane	93	5.23	1.131	A	2	A	B
37	T	4-Methyl-2-pentanone	85	5.91	1.276	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.75	1.243	A	2	A	B
39	I	Chlorobenzene-d5	117	7.28	1.000	A	1	A	B
40	T	Toluene	-92	6.04	0.830	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.25	0.858	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.40	0.880	A	2	A	B
43	T	2-Hexanone	43	6.64	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.57	0.902	A	1	A	B
45	T	Tetrachloroethene	-164	6.51	0.895	L	3	A	B
46	T	Dibromochloromethane	129	6.76	0.929	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.85	0.942	L	2	A	B
48	T	Chlorobenzene	112	7.30	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.41	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.38	1.014	A	2	A	B
51	T	m,p-Xylene	-106	7.52	1.033	L	1	A	B
52	T	o-Xylene	-106	7.88	1.083	L	1	A	B
53	T	Styrene	104	7.90	1.085	A	1	A	B
54	T	Isopropylbenzene	105	8.23	1.131	A	1	A	B
55	T	Bromoform	173	8.07	1.109	Q	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.883	A	2	A	B
58	T	n-Propylbenzene	91	8.63	0.910	A	1	A	B
59	T	Bromobenzene	156	8.52	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.80	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.54	0.900	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.57	0.904	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.81	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.11	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.16	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.32	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.47	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.42	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.51	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.87	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.64	1.122	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.69	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB082322ms11.M Fri Aug 26 20:02:55 2022

Calibration Status Report GCMS11

Method Path : D:\METHODS\Inst11\
Method File : VB082322ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Aug 25 07:55:03 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	Q:\Proc_GCMS11\08-23-22\082323.D
2	0.05	0	10	Q:\Proc_GCMS11\08-23-22\082324.D
3	0.1	0	10	Q:\Proc_GCMS11\08-23-22\082325.D
4	0.2	0	10	Q:\Proc_GCMS11\08-23-22\082326.D
5	0.5	1	10	Q:\Proc_GCMS11\08-23-22\082327.D
6	1	1	10	Q:\Proc_GCMS11\08-23-22\082328.D
7	2	2	10	Q:\Proc_GCMS11\08-23-22\082329.D
8	5	5	10	Q:\Proc_GCMS11\08-23-22\082330.D
9	10	10	10	Q:\Proc_GCMS11\08-23-22\082331.D
10	20	20	10	Q:\Proc_GCMS11\08-23-22\082332.D
11	50	50	10	Q:\Proc_GCMS11\08-23-22\082333.D
12	100	100	10	Q:\Proc_GCMS11\08-23-22\082334.D
13	150	150	10	Q:\Proc_GCMS11\08-23-22\082335.D
14	200	200	10	Q:\Proc_GCMS11\08-23-22\082336.D

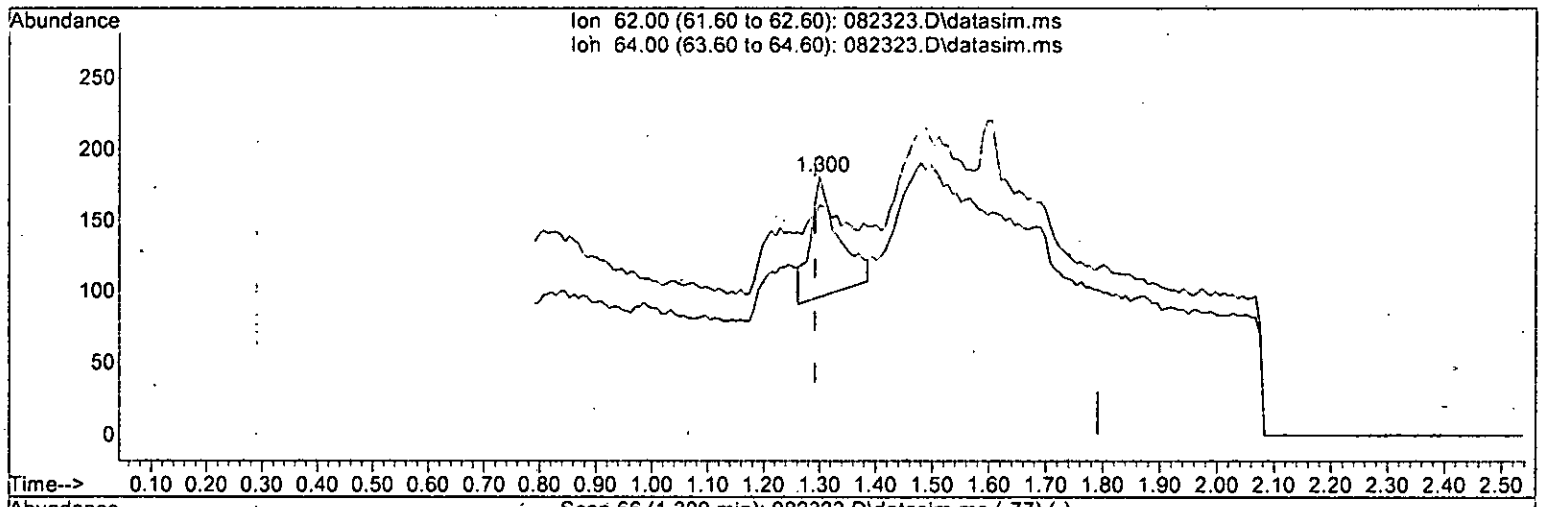
#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Aug 24 12:23 2022	Aug 24 08:02 2022	23 Aug 2022 06:36 pm
2	0.05	Aug 24 12:23 2022	Aug 24 08:03 2022	23 Aug 2022 06:59 pm
3	0.1	Aug 24 12:23 2022	Aug 24 08:05 2022	23 Aug 2022 07:21 pm
4	0.2	Aug 24 12:23 2022	Aug 24 08:06 2022	23 Aug 2022 07:44 pm
5	0.5	Aug 24 12:23 2022	Aug 24 12:23 2022	23 Aug 2022 08:06 pm
6	1	Aug 24 12:23 2022	Aug 24 12:27 2022	23 Aug 2022 08:28 pm
7	2	Aug 24 12:23 2022	Aug 24 08:10 2022	23 Aug 2022 08:51 pm
8	5	Aug 24 12:23 2022	Aug 24 08:16 2022	23 Aug 2022 09:13 pm
9	10	Aug 24 12:23 2022	Aug 24 11:42 2022	23 Aug 2022 09:36 pm
10	20	Aug 24 12:23 2022	Aug 24 08:11 2022	23 Aug 2022 09:58 pm
11	50	Aug 24 12:23 2022	Aug 24 08:11 2022	23 Aug 2022 10:20 pm
12	100	Aug 24 12:23 2022	Aug 24 08:15 2022	23 Aug 2022 10:43 pm
13	150	Aug 24 12:23 2022	Aug 24 08:12 2022	23 Aug 2022 11:05 pm
14	200	Aug 24 12:23 2022	Aug 24 07:32 2022	23 Aug 2022 11:27 pm

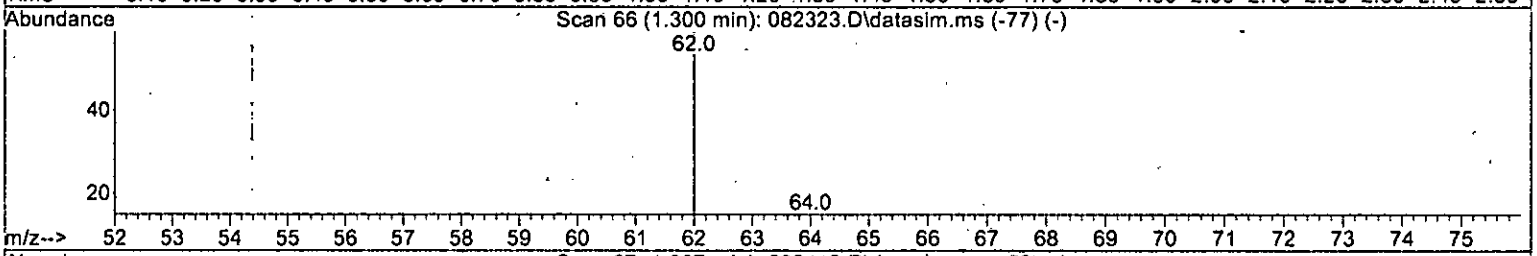
VB082322ms11.M Fri Aug 26 20:02:59 2022

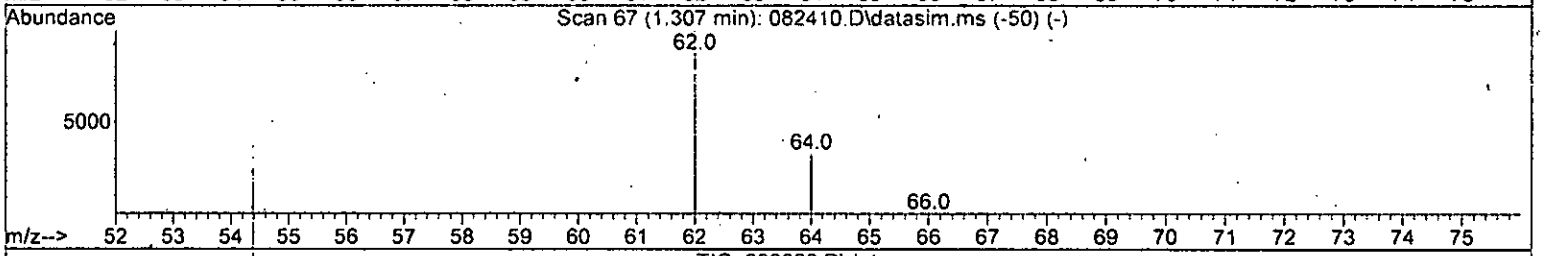
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:28 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082323.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.050 ppb

response 300

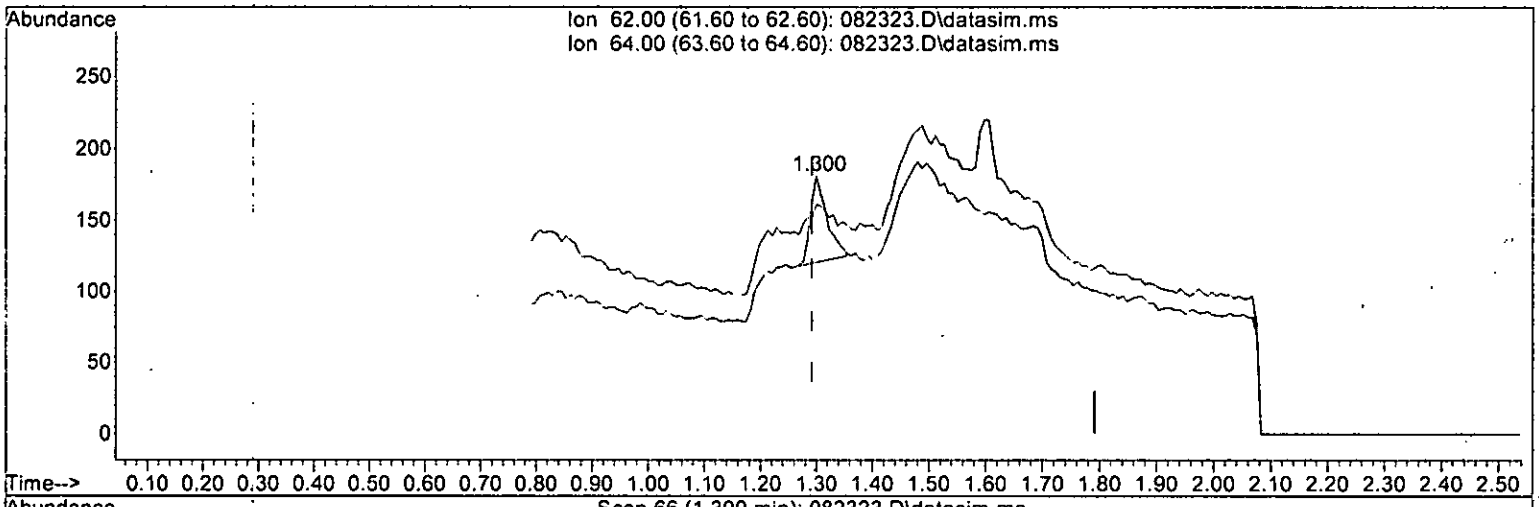
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	29.69
0.00	0.00	0.00
0.00	0.00	0.00

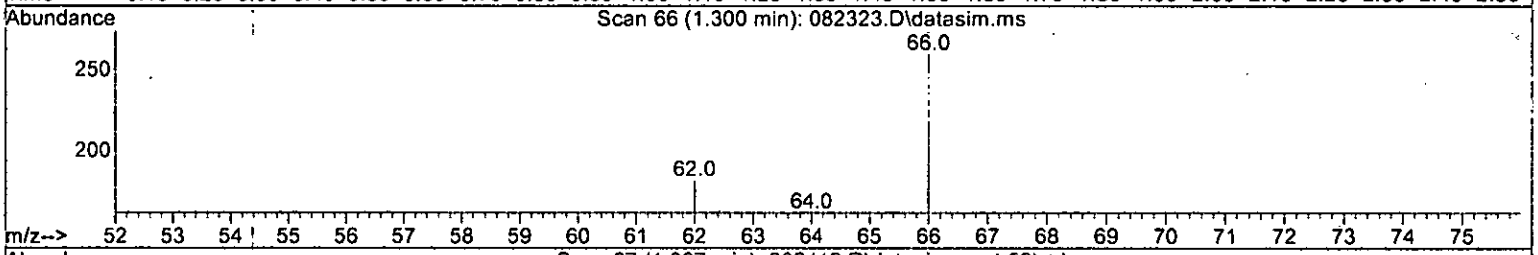
8/26 dm

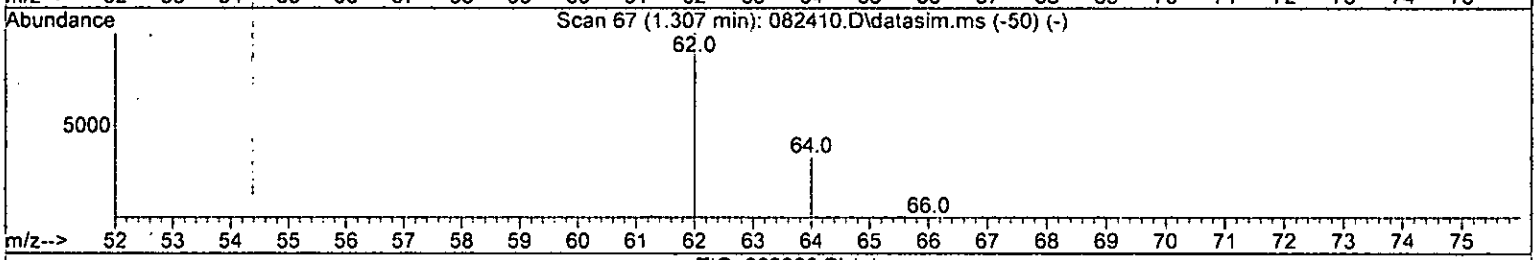
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:28 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082323.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.021 ppb m

response 127

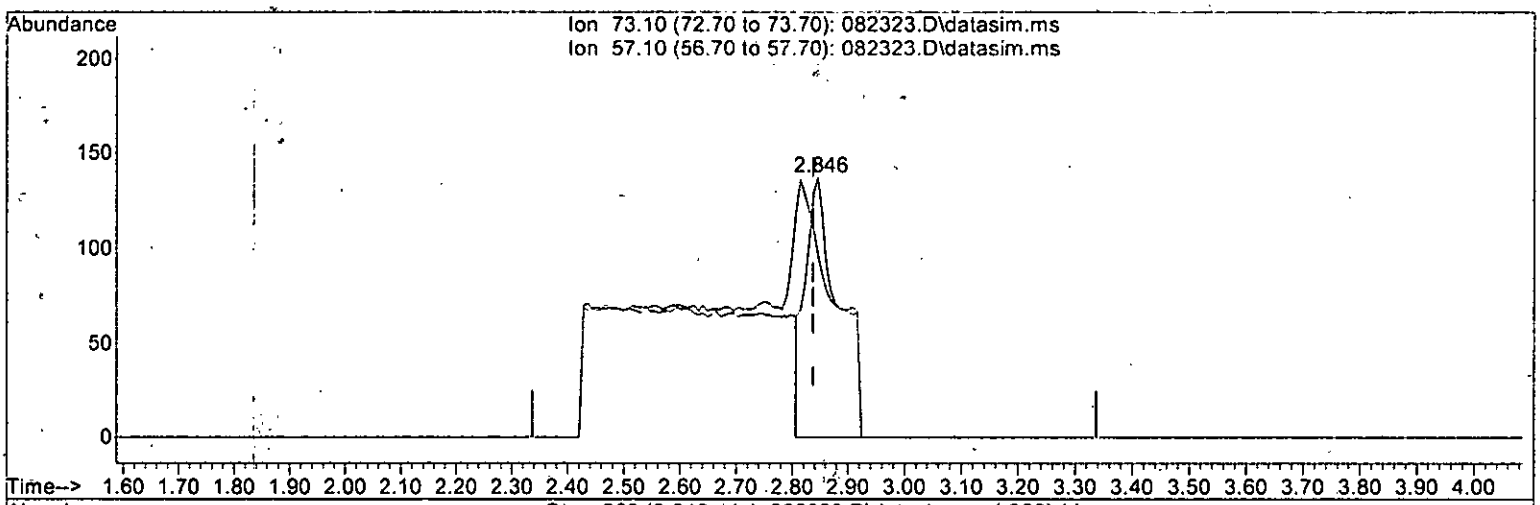
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	88.95#
0.00	0.00	0.00
0.00	0.00	0.00

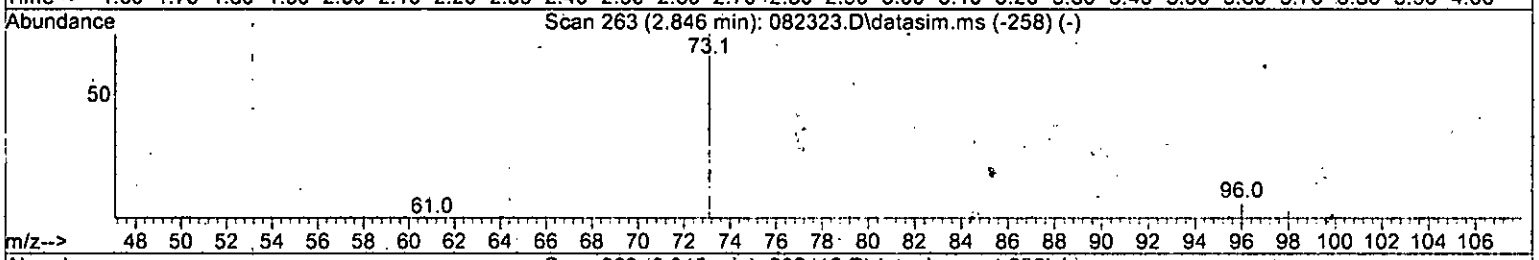
8/26 JCM

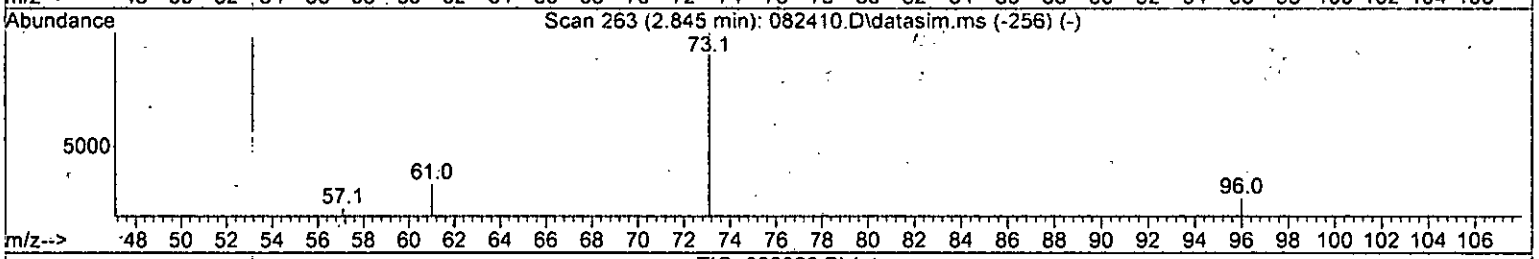
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:42:12 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.846min (+ 0.008) 0.092 ppb

response 571

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	28.80	70.80#
0.00	0.00	0.00
0.00	0.00	0.00

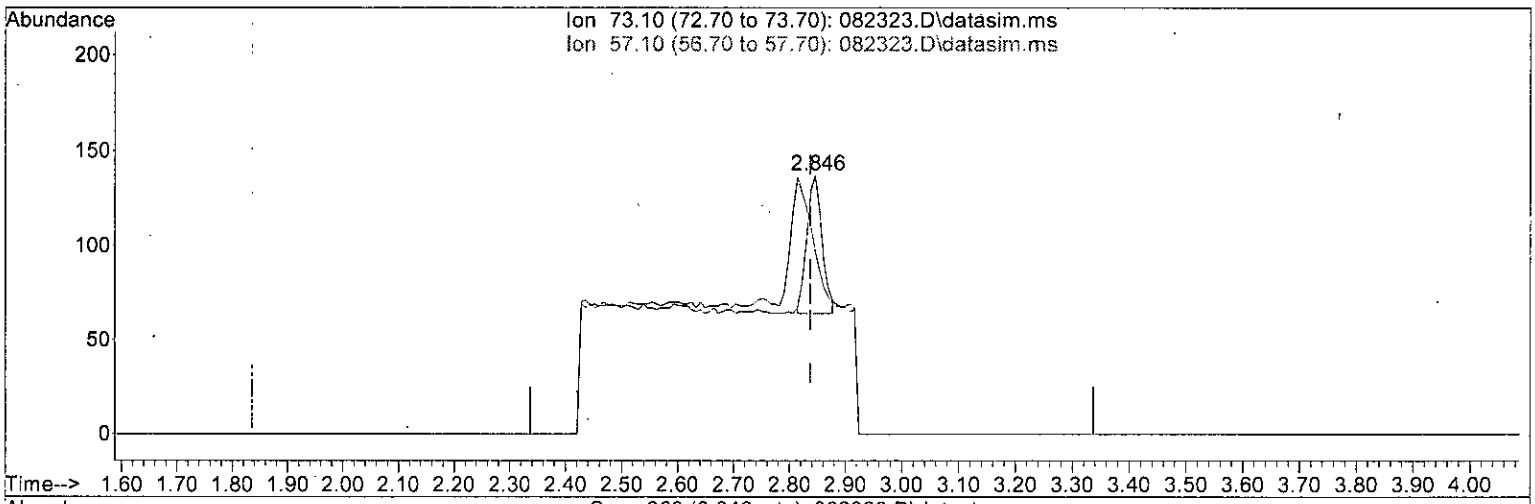
8/26 am

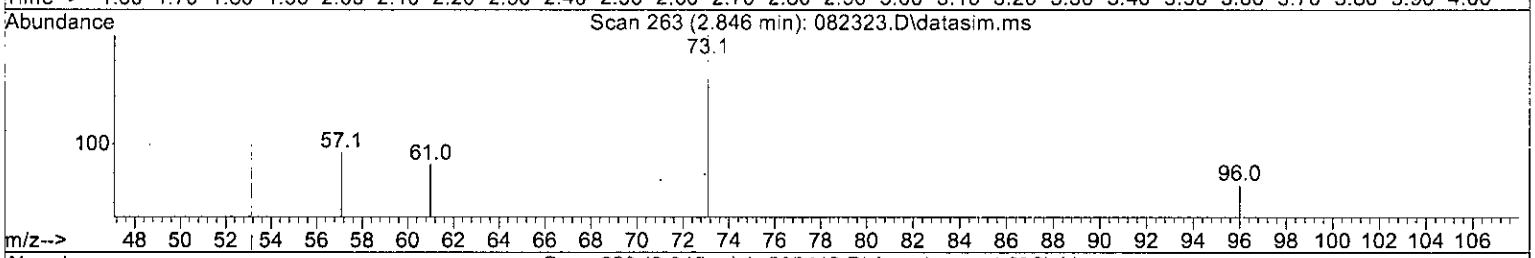
VB082322ms11.M Fri Aug 26 19:43:08 2022

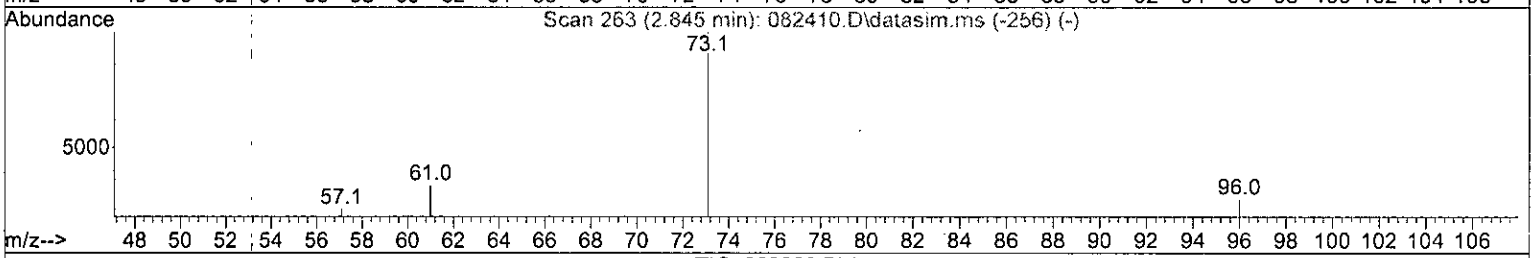
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:42:12 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.846min (+ 0.008) 0.023 ppb m

response 140

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	70.80#
0.00	0.00	0.00
0.00	0.00	0.00

8/26 AM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.		%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000		0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000		0.0	100	0.02
3	S	Dibromofluoromethane	10.000	9.830		1.7	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000		0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000		0.0	0	-1.22#
6	TMP	Vinyl chloride	0.020	0.021		-5.0	98	0.00
7	TMP	Bromomethane	-1.000	0.000		0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000		0.0	0	-1.59#
9	TMP	Trichlorofluoromethane	-1.000	0.000		0.0	0	-1.79#
10	TMP	2-Propanol	-1.000	0.000		0.0	0	-2.40#
11	TMP	Acetone	-1.000	0.006	OK	0.0	0	0.00
12	TMP	1,1-Dichloroethene	0.020	0.027	8/26	-35.0#	100	0.00
13	TMP	Hexane	-1.000	0.000	JM	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	-1.000		0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000		0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.023		-15.0	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.020	0.020		0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000		0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.020	0.023		-15.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000		0.0	0	-3.55#
21	TMP	2,2-Dichloropropane	-1.000	-0.005		0.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.020	0.019		5.0	100	0.00
23	TMP	Chloroform	-1.000	0.000		0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	-0.029		0.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000		0.0	0	-4.50#
26	TMP	1,2-Dichloroethane (EDC)	0.020	0.019		5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.020	0.024		-20.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000		0.0	0	-4.22#
29	TMP	Carbon tetrachloride	-1.000	0.000		0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	9.748		2.5	100	0.00
31	TMP	Benzene	0.020	0.020		0.0	100	0.00
32	TMP	Trichloroethene	0.020	0.020		0.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000		0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000		0.0	0	-5.37#
35	S	Toluene-d8	10.000	10.107		-1.1	100	0.00
36	TMP	Dibromomethane	-1.000	0.000		0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000		0.0	0	-5.91#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000		0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000		0.0	100	0.00
40	TMP	Toluene	-1.000	0.000		0.0	0	-6.04#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000		0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000		0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.000		0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000		0.0	0	-6.57#
45	TMP	Tetrachloroethene	0.020	0.019		5.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000		0.0	0	-6.76#
47	TMP	1,2-Dibromoethane (EDB)	0.020	0.020		0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.30#
49	TMP	Ethylbenzene	0.020	0.020	0.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.040	0.040	0.0	100	0.00
52	TMP	o-Xylene	0.020	0.020	0.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.233	-2.3	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.63#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.81#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.11#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.16#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.32#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.47#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.51#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.69#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	100	0.02
3	S	Dibromofluoromethane	0.290	0.285	1.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.900	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.816	0.856	-4.9	98	0.00
7	TMP	Bromomethane	0.519	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.410	0.000#	100.0#	0#	-1.59#
9	TMP	Trichlorofluoromethane	1.035	0.000#	100.0#	0#	-1.79#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.000#	100.0#	0#	0.00
12	TMP	1,1-Dichloroethene	0.286	0.391	-36.7#	100	0.00
13	TMP	Hexane	0.461	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.702	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.944	-13.2	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.465	-43.5#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.591	0.674	-14.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.000#	100.0#	0#	-3.55#
21	TMP	2,2-Dichloropropane	0.364	0.000#	100.0#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.465	-32.1#	100	0.00
23	TMP	Chloroform	0.551	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.130	0.000#	100.0#	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.000#	100.0#	0#	-4.50#
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.937	-95.2#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.613	-20.4#	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.000#	100.0#	0#	-4.22#
29	TMP	Carbon tetrachloride	0.414	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.061	0.059	3.3	100	0.00
31	TMP	Benzene	1.180	1.658	-40.5#	100	0.00
32	TMP	Trichloroethene	0.330	0.485	-47.0#	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.375	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	1.034	1.045	-1.1	100	0.00
36	TMP	Dibromomethane	0.169	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38	TMP	cis-1,3-Dichloropropene	0.413	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.000#	100.0#	0#	-6.04#
41	TMP	trans-1,3-Dichloropropene	0.434	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.244	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.230	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.447	0.000#	100.0#	0#	-6.57#
45	TMP	Tetrachloroethene	0.410	0.913	-122.7#	100	0.00
46	TMP	Dibromochloromethane	0.343	0.000#	100.0#	0#	-6.76#
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.489	-50.5#	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.000#	100.0#	0#	-7.30#
49	TMP	Ethylbenzene	1.835	3.628	-97.7#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.769	1.858	-141.6#	100	0.00
52	TMP	o-Xylene	0.707	1.386	-96.0#	100	0.00
53	TMP	Styrene	1.019	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.597	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.854	-2.3	100	0.00
58	TMP	n-Propylbenzene	3.173	0.000#	100.0#	0#	-8.63#
59	TMP	Bromobenzene	0.796	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.346	0.000#	100.0#	0#	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.487	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.923	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.190	0.000#	100.0#	0#	-8.81#
65	TMP	tert-Butylbenzene	2.061	0.000#	100.0#	0#	-9.11#
66	TMP	1,2,4-Trimethylbenzene	2.410	0.000#	100.0#	0#	-9.16#
67	TMP	sec-Butylbenzene	3.038	0.000#	100.0#	0#	-9.32#
68	TMP	p-Isopropyltoluene	2.625	0.000#	100.0#	0#	-9.47#
69	TMP	1,3-Dichlorobenzene	1.493	0.000#	100.0#	0#	-9.42#
70	TMP	1,4-Dichlorobenzene	1.505	0.000#	100.0#	0#	-9.51#
71	TMP	1,2-Dichlorobenzene	1.467	0.000#	100.0#	0#	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.000#	100.0#	0#	-10.64#
73	TMP	1,2,4-Trichlorobenzene	1.094	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.138	0.000#	100.0#	0#	-11.69#
76	TMP	1,2,3-Trichlorobenzene	0.983	0.000#	100.0#	0#	-11.92#

(#) = Out of Range SPCC's out = 53 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	74168	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	62425	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34753	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	21111	9.830	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.30%			
30) 1,2-Dichloroethane-d4	4.36	102	4385	9.748	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.50%			
35) Toluene-d8	5.98	98	77502	10.107	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.10%			
57) 4-Bromofluorobenzene	8.38	95	29681	10.233	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.30%			
Target Compounds						Qvalue
2) Ethanol	1.91	45	184	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.30	62	127m	0.021	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.27	58	249	N.D.		
12] 1,1-Dichloroethene	2.19	96	58	0.027	ppb	93
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	2.61	84	25450	Below Cal		89
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.85	73	140m	0.023	ppb	
17] trans-1,2-Dichloroethene	2.83	96	69	0.020	ppb	95
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	100	0.023	ppb	94
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.67	77	250	Below Cal		48
22] cis-1,2-Dichloroethene	3.67	96	69	0.019	ppb	96
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	3.71	43	240	Below Cal		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.42	62	139	0.019	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	91	0.024	ppb	97
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31] Benzene	4.39	78	246	0.020	ppb	93
32] Trichloroethene	4.93	95	72	0.020	ppb	80
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

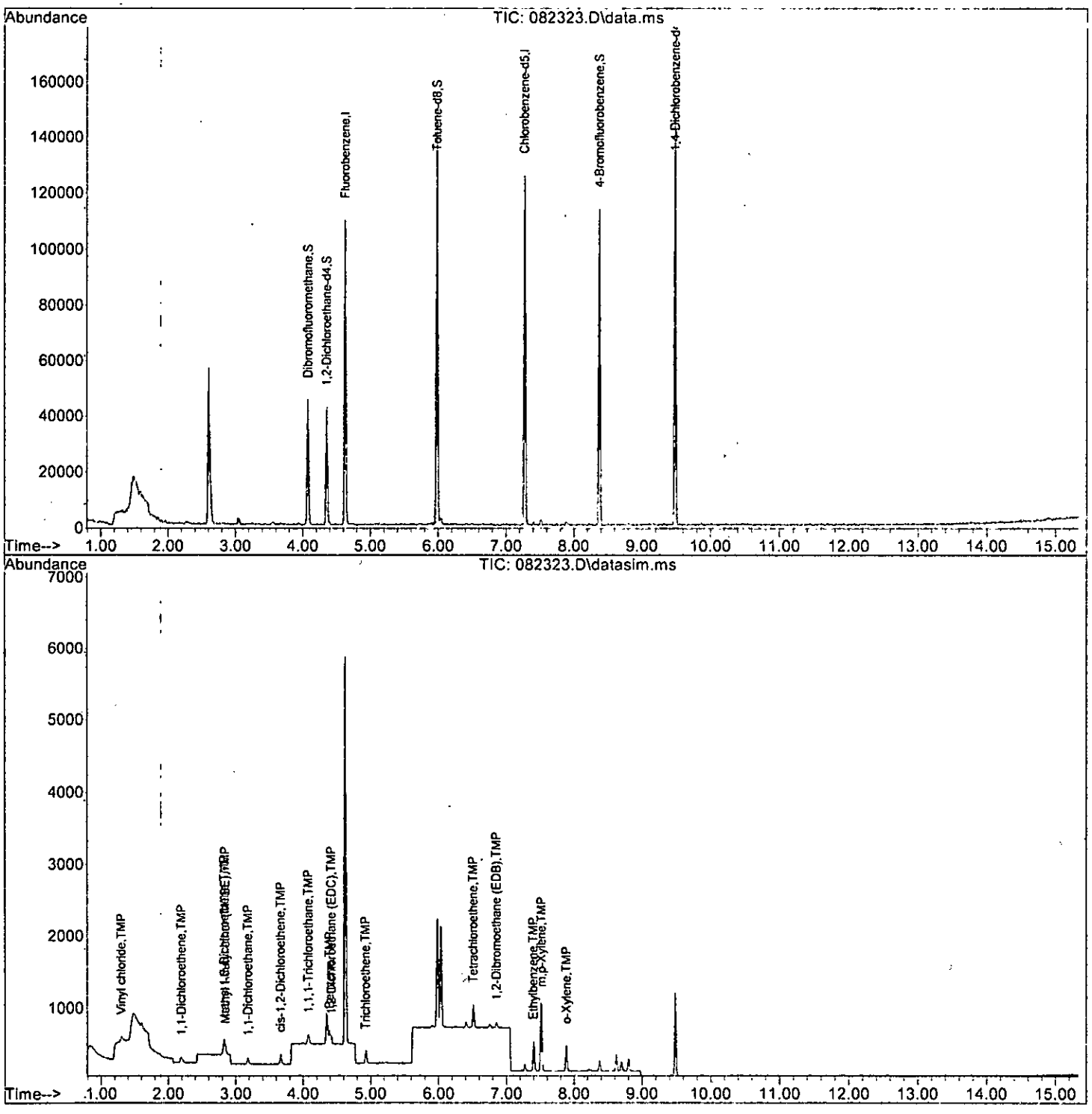
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	0.00		0	N.D.	d		
44)	1,3-Dichloropropane	0.00		0	N.D.	d		
45]	Tetrachloroethene	6.51	164	114	0.019	ppb		92
46)	Dibromochloromethane	0.00		0	N.D.			
47]	1,2-Dibromoethane (EDB)	6.85	107	61	0.020	ppb		97
48)	Chlorobenzene	0.00		0	N.D.	d		
49]	Ethylbenzene	7.40	91	453	0.020	ppb		99
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	464	0.040	ppb		97
52]	o-Xylene	7.88	106	173	0.020	ppb		96
53)	Styrene	0.00		0	N.D.	d		
54)	Isopropylbenzene	0.00		0	N.D.	d		
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	0.00		0	N.D.	d		
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	0.00		0	N.D.	d		
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	0.00		0	N.D.	d		
64)	4-Chlorotoluene	0.00		0	N.D.	d		
65)	tert-Butylbenzene	0.00		0	N.D.	d		
66)	1,2,4-Trimethylbenzene	0.00		0	N.D.	d		
67)	sec-Butylbenzene	0.00		0	N.D.	d		
68)	p-Isopropyltoluene	0.00		0	N.D.	d		
69)	1,3-Dichlorobenzene	0.00		0	N.D.	d		
70)	1,4-Dichlorobenzene	0.00		0	N.D.	d		
71)	1,2-Dichlorobenzene	0.00		0	N.D.	d		
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	0.00		0	N.D.	d		
74)	Hexachlorobutadiene	0.00		0	N.D.			
75)	Naphthalene	0.00		0	N.D.	d		
76)	1,2,3-Trichlorobenzene	0.00		0	N.D.	d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082323.D
Acq On : 23 Aug 2022 06:36 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-74F
Misc :
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

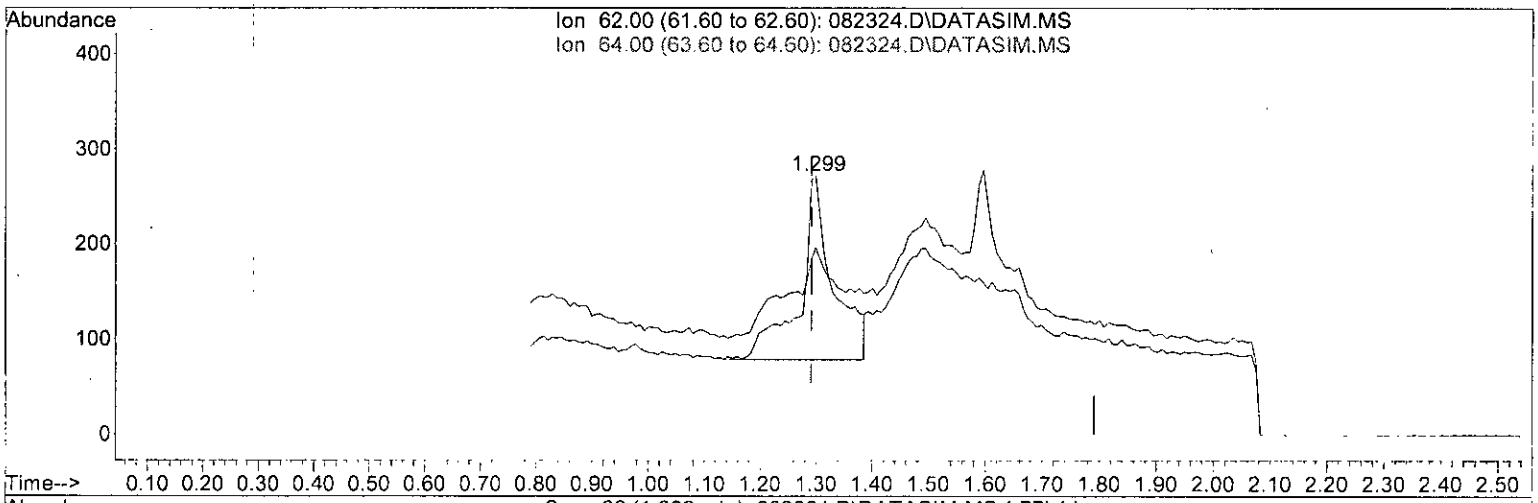
Quant Time: Aug 26 19:44:10 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

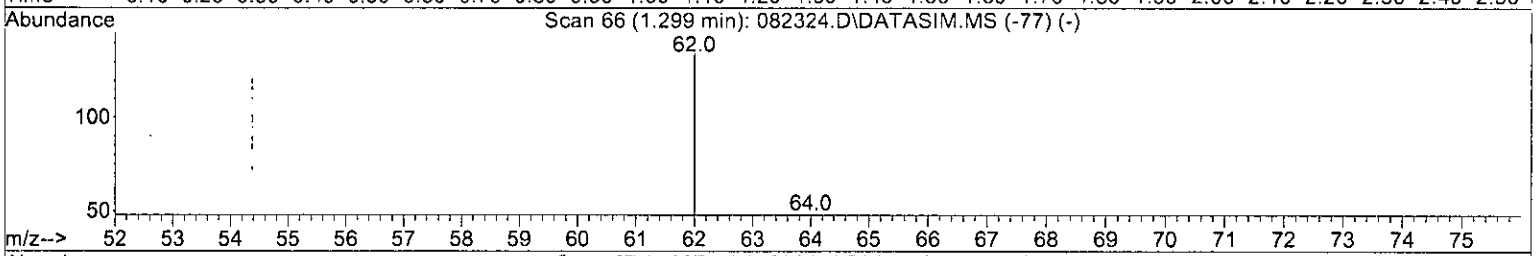


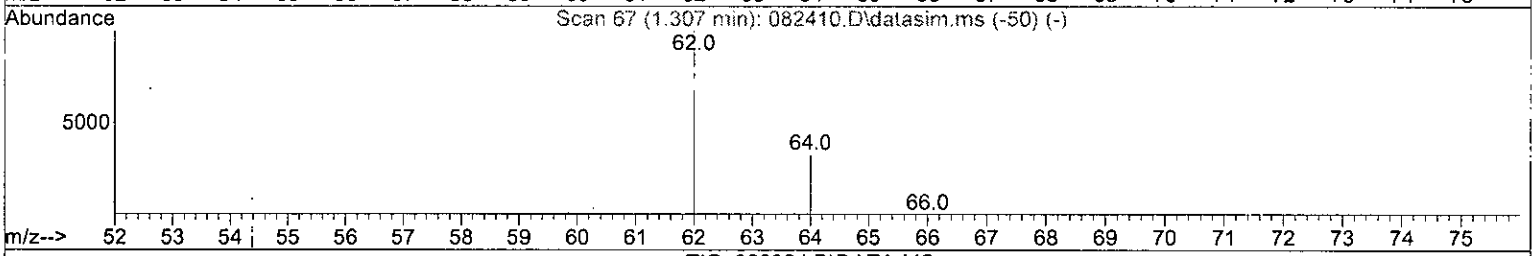
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082324.D\DATA.MS

(6) Vinyl chloride (TMP)

1.299min (+ 0.007) 0.135 ppb

response 803

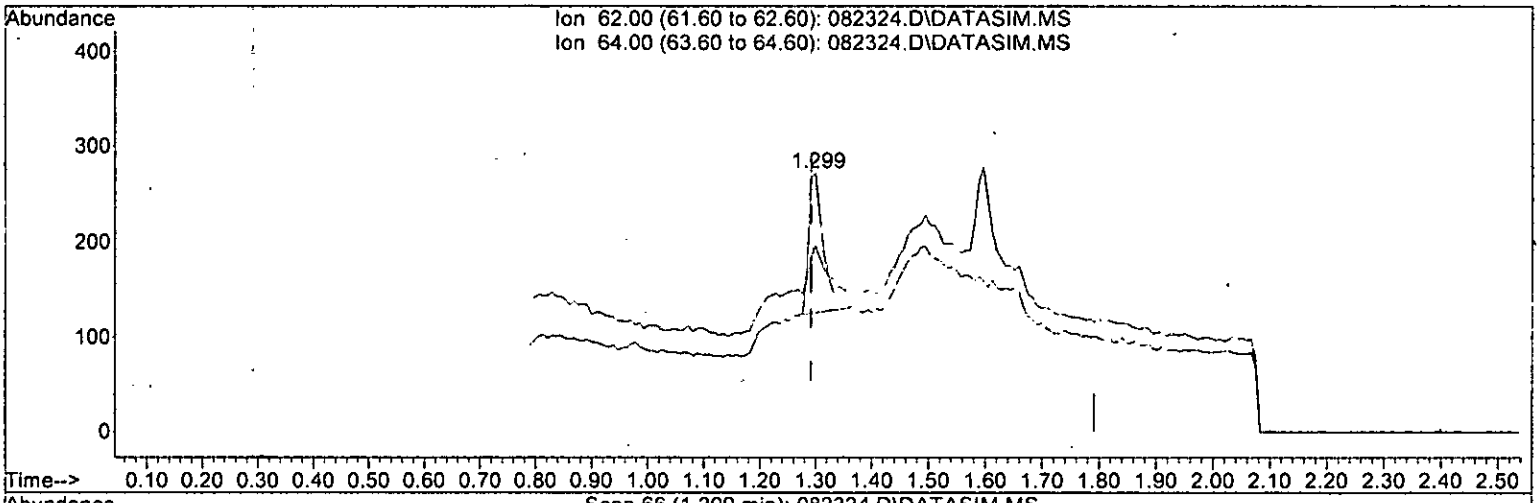
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	47.67
0.00	0.00	0.00
0.00	0.00	0.00

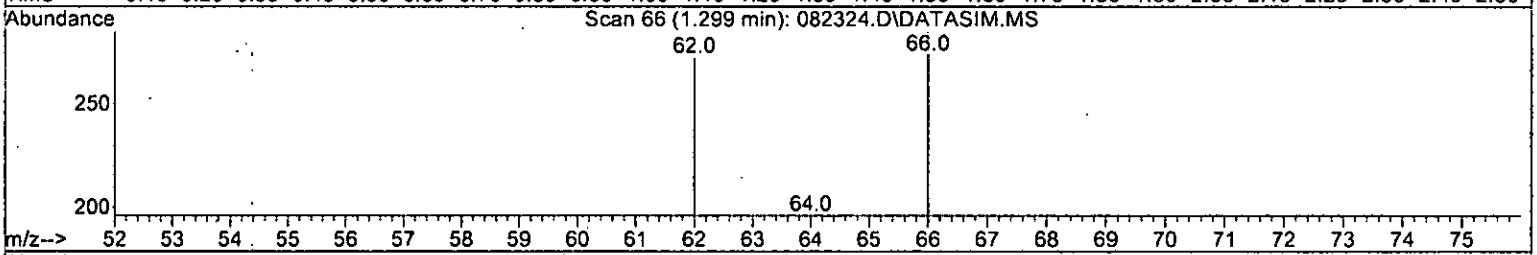
8/26 JCM

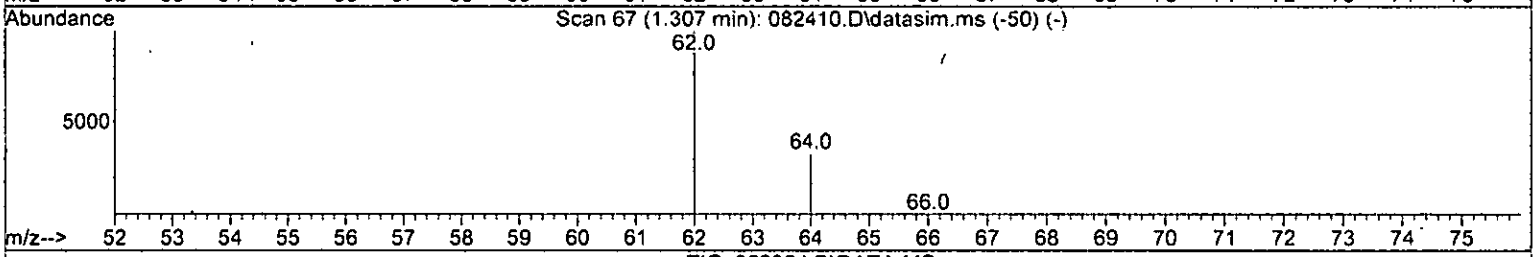
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082324.D\DATA.MS

(6) Vinyl chloride (TMP)

1.299min (+ 0.007) 0.046 ppb m

response 276

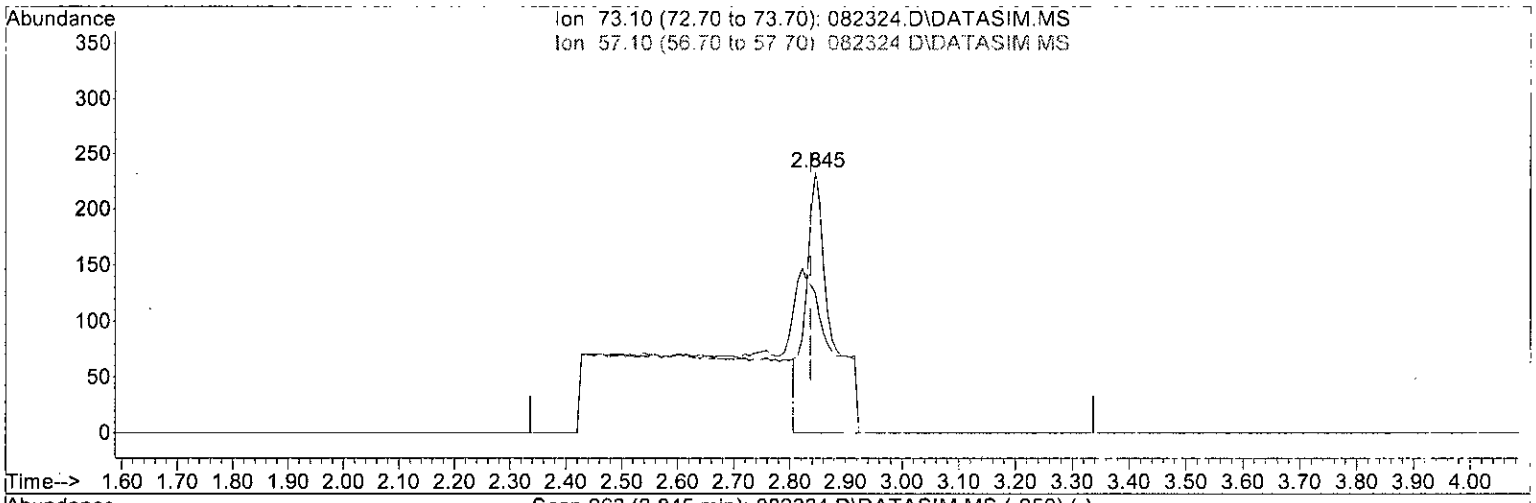
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	72.06#
0.00	0.00	0.00
0.00	0.00	0.00

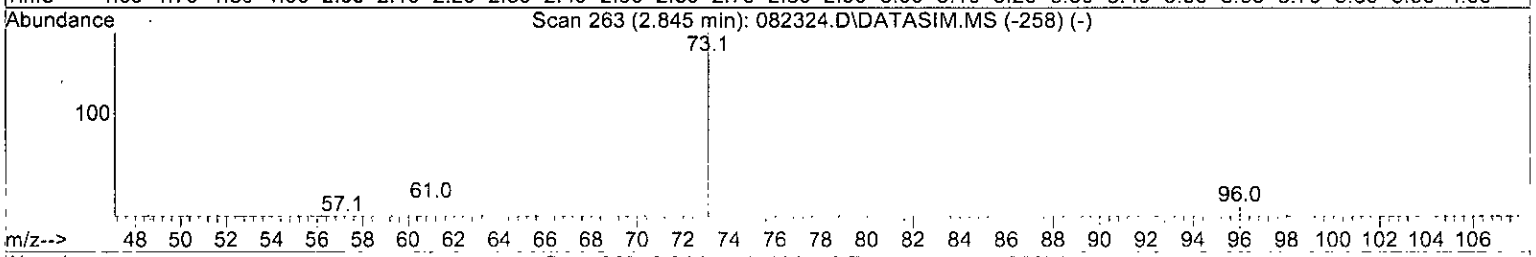
8/26 JCM

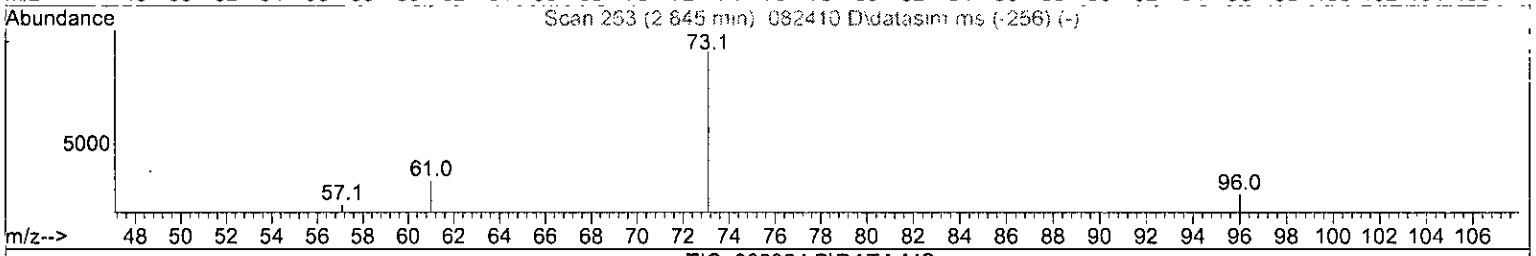
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082324.D\DATA.MS

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.124 ppb

response 754

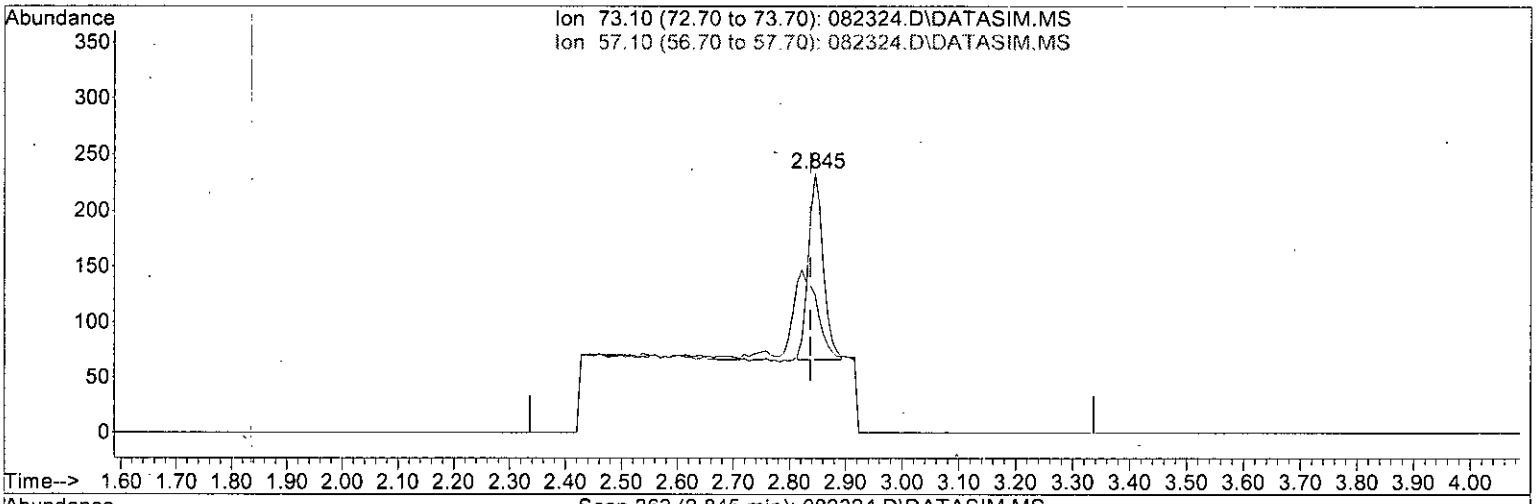
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	53.65
0.00	0.00	0.00
0.00	0.00	0.00

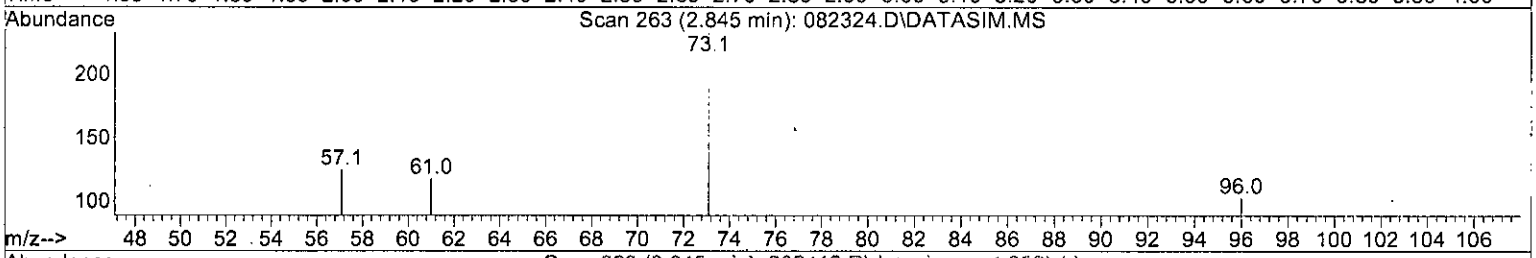
8/26 dm

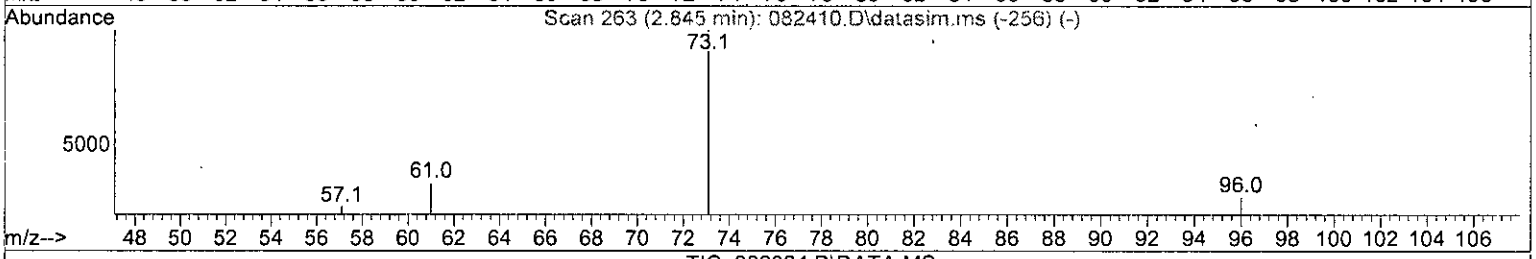
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082324.D\DATA.MS

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.052 ppb m

response 314

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	53.65
0.00	0.00	0.00
0.00	0.00	0.00

8/26 am

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.907	0.9	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.050	0.046	8.0	96	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.59#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.79#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	-1.000	-1.000	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.050	0.055	-10.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.050	0.052	-4.0	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.050	0.051	-2.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.050	0.056	-12.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.55#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.67#
22	TMP	cis-1,2-Dichloroethene	0.050	0.054	-8.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.71#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.50#
26	TMP	1,2-Dichloroethane (EDC)	0.050	0.053	-6.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.050	0.057	-14.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.22#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	9.997	0.0	100	0.00
31	TMP	Benzene	0.050	0.051	-2.0	100	0.00
32	TMP	Trichloroethene	0.050	0.051	-2.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	9.726	2.7	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.050	0.054	-8.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.57#
45	TMP	Tetrachloroethene	0.050	0.056	-12.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.76#
47	TMP	1,2-Dibromoethane (EDB)	0.050	0.051	-2.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.30#
49	TMP	Ethylbenzene	0.050	0.050	0.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.100	0.099	1.0	100	0.00
52	TMP	o-Xylene	0.050	0.050	0.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.202	-2.0	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.63#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.81#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.11#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.16#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.32#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.47#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.51#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.69#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.287	1.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.900	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.816	0.759	7.0	96	0.00
7	TMP	Bromomethane	0.519	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.410	0.000#	100.0#	0#	-1.59#
9	TMP	Trichlorofluoromethane	1.035	0.000#	100.0#	0#	-1.79#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.286	0.313	-9.4	100	0.00
13	TMP	Hexane	0.461	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.702	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.863	-3.5	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.377	-16.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.591	0.660	-11.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.000#	100.0#	0#	-3.55#
21	TMP	2,2-Dichloropropane	0.364	0.000#	100.0#	0#	-3.67#
22	TMP	cis-1,2-Dichloroethene	0.352	0.418	-18.8	100	0.00
23	TMP	Chloroform	0.551	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.130	0.000#	100.0#	0#	-3.71#
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.000#	100.0#	0#	-4.50#
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.649	-35.2#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.583	-14.5	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.000#	100.0#	0#	-4.22#
29	TMP	Carbon tetrachloride	0.414	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.061	0.061	0.0	100	0.00
31	TMP	Benzene	1.180	1.350	-14.4	100	0.00
32	TMP	Trichloroethene	0.330	0.385	-16.7	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.375	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	1.034	1.006	2.7	100	0.00
36	TMP	Dibromomethane	0.169	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38	TMP	cis-1,3-Dichloropropene	0.413	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	2.849	-160.7#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.244	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.230	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.447	0.000#	100.0#	0#	-6.57#
45	TMP	Tetrachloroethene	0.410	0.612	-49.3#	100	0.00
46	TMP	Dibromochloromethane	0.343	0.000#	100.0#	0#	-6.76#
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.383	-17.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.000#	100.0#	0#	-7.30#
49	TMP	Ethylbenzene	1.835	2.400	-30.8#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.769	1.102	-43.3#	100	0.00
52	TMP	o-Xylene	0.707	0.917	-29.7#	100	0.00
53	TMP	Styrene	1.019	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.597	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.851	-1.9	100	0.00
58	TMP	n-Propylbenzene	3.173	0.000#	100.0#	0#	-8.63#
59	TMP	Bromobenzene	0.796	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.346	0.000#	100.0#	0#	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.487	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.923	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.190	0.000#	100.0#	0#	-8.81#
65	TMP	tert-Butylbenzene	2.061	0.000#	100.0#	0#	-9.11#
66	TMP	1,2,4-Trimethylbenzene	2.410	0.000#	100.0#	0#	-9.16#
67	TMP	sec-Butylbenzene	3.038	0.000#	100.0#	0#	-9.32#
68	TMP	p-Isopropyltoluene	2.625	0.000#	100.0#	0#	-9.47#
69	TMP	1,3-Dichlorobenzene	1.493	0.000#	100.0#	0#	-9.42#
70	TMP	1,4-Dichlorobenzene	1.505	0.000#	100.0#	0#	-9.51#
71	TMP	1,2-Dichlorobenzene	1.467	0.000#	100.0#	0#	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.000#	100.0#	0#	-10.64#
73	TMP	1,2,4-Trichlorobenzene	1.094	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.138	0.000#	100.0#	0#	-11.69#
76	TMP	1,2,3-Trichlorobenzene	0.983	0.000#	100.0#	0#	-11.92#

(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	72735	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	61077	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34099	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	20867	9.907	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.10%			
30) 1,2-Dichloroethane-d4	4.36	102	4410	9.997	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.00%			
35) Toluene-d8	5.98	98	73138	9.726	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 97.30%			
57) 4-Bromofluorobenzene	8.38	95	29034	10.202	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.30	62	276m	0.046	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	2.41	45	178	No Calib		
11) Acetone	2.28	58	242	Below Cal	#	1
12] 1,1-Dichloroethene	2.20	96	114	0.055	ppb	89
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	2.61	84	24610	Below Cal		97
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.85	73	314m	0.052	ppb	
17] trans-1,2-Dichloroethene	2.83	96	137	0.051	ppb	92
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	240	0.056	ppb	95
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	152	0.054	ppb	95
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.42	62	236	0.053	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	212	0.057	ppb	98
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.39	78	491	0.051	ppb	97
32] Trichloroethene	4.93	95	140	0.051	ppb	80
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.04	92	870	0.054	ppb	92
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

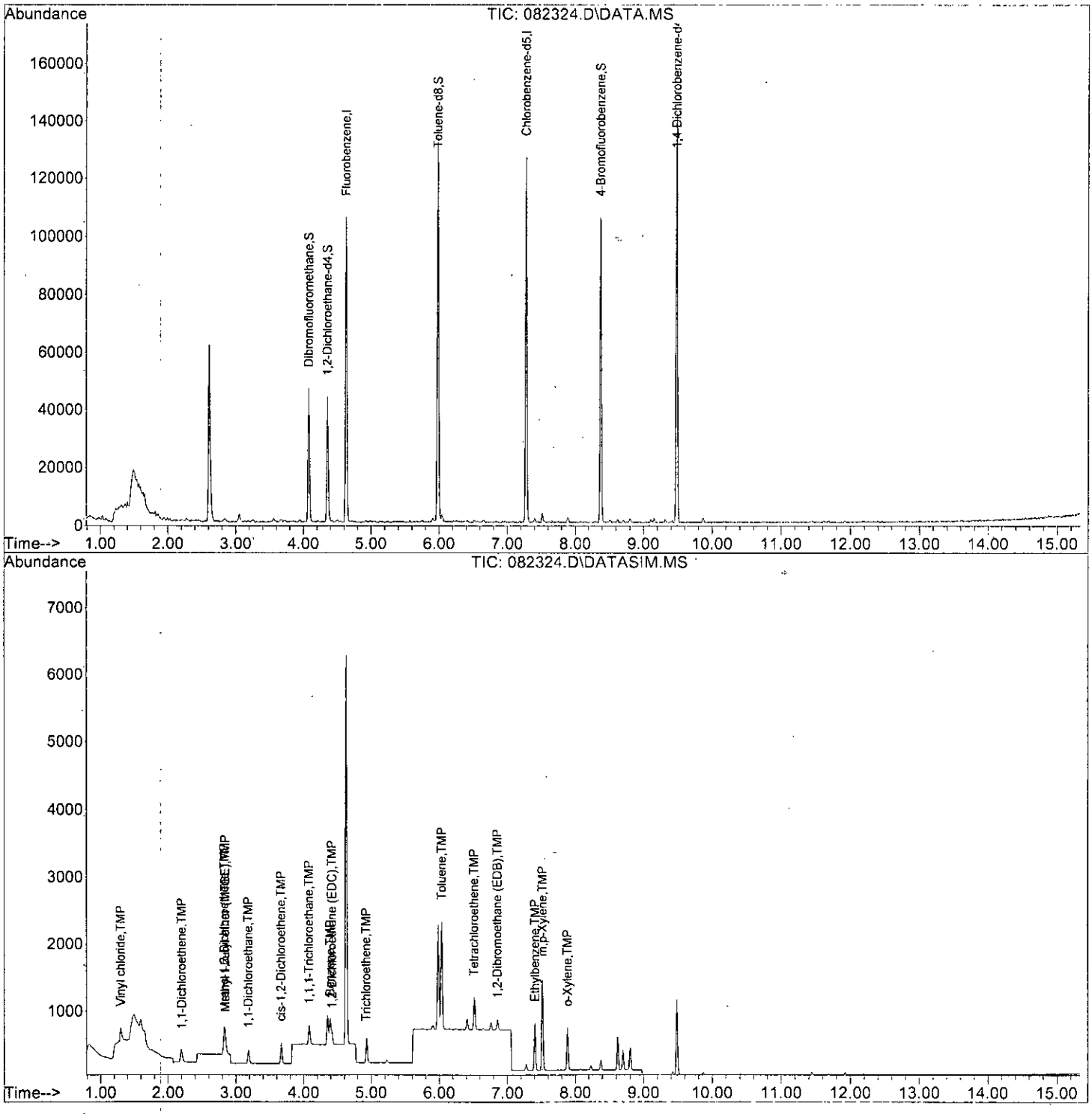
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.51	164	187	0.056	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.85	107	117	0.051	ppb	100
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.41	91	733	0.050	ppb	86
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.52	106	673	0.099	ppb	98
52] o-Xylene	7.88	106	280	0.050	ppb	94
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082324.D
Acq On : 23 Aug 2022 06:59 pm
Operator : JCM
Sample : 0.05 ppb 8260 ICAL 67-74G
Misc :
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

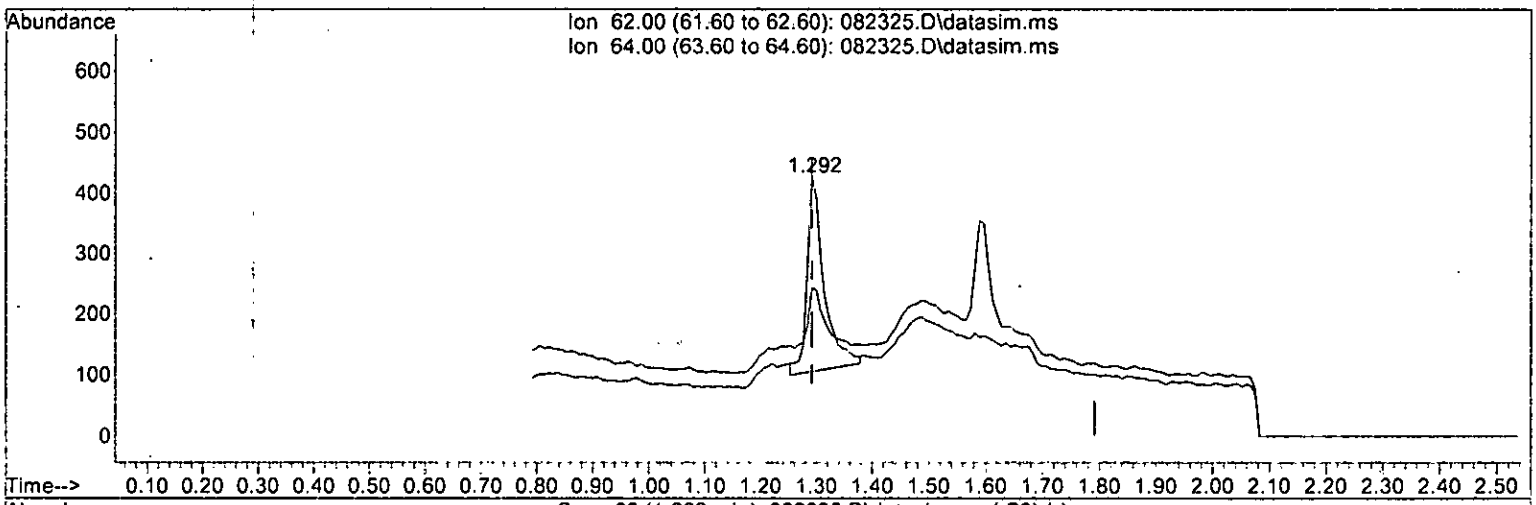
Quant Time: Aug 26 19:46:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

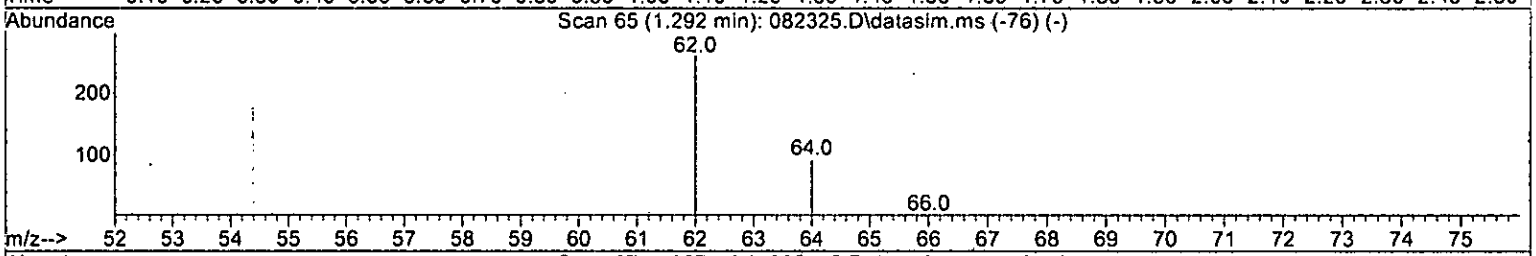


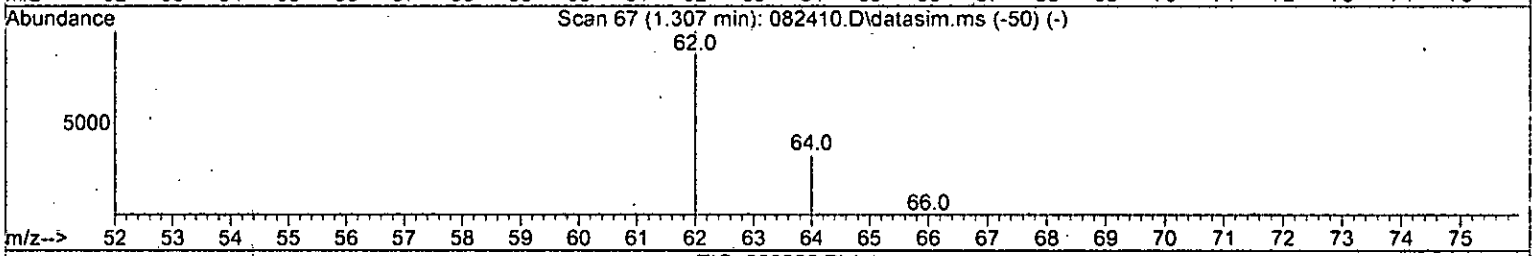
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.119 ppb

response 688

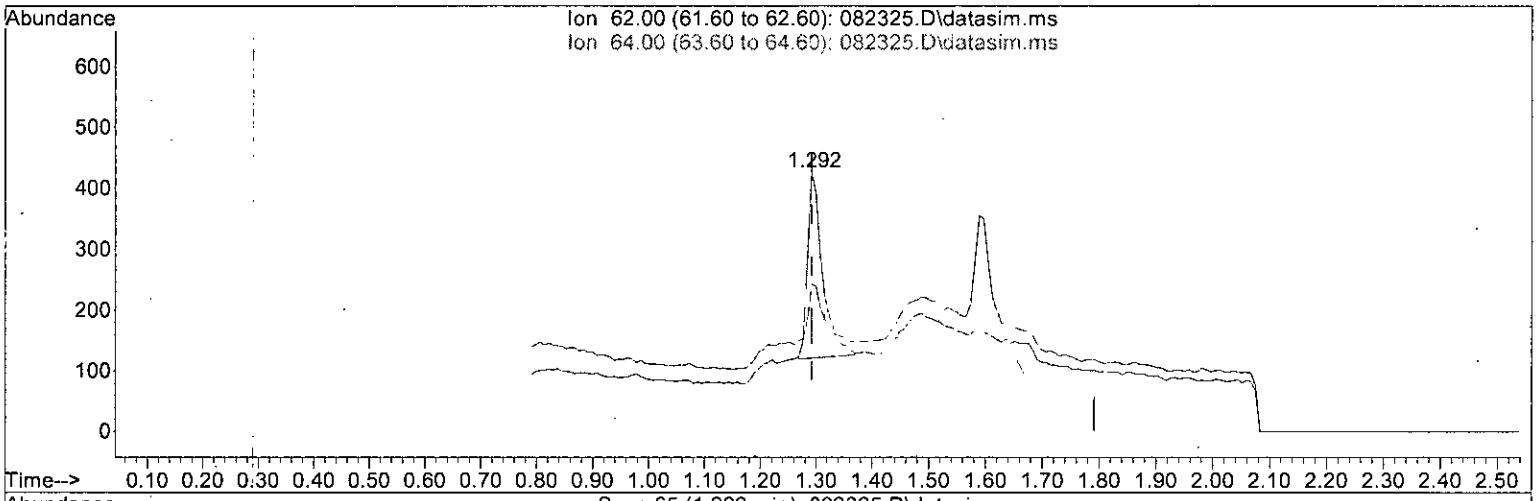
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	30.94
0.00	0.00	0.00
0.00	0.00	0.00

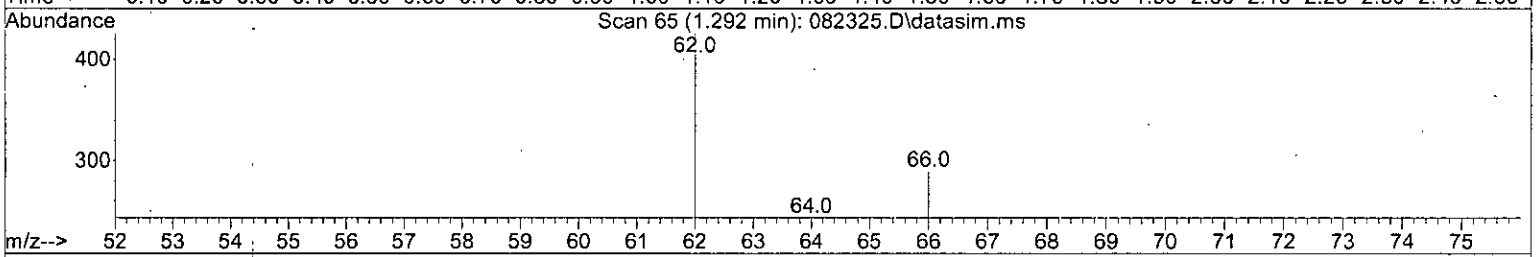
8/26 JCM

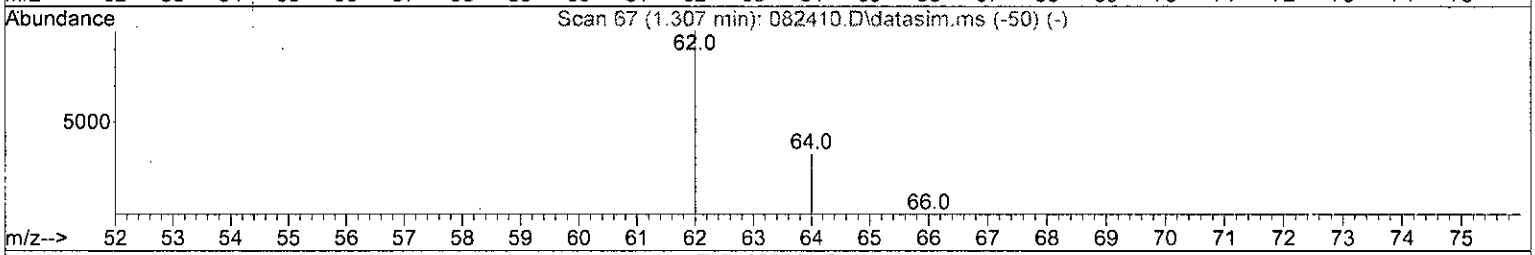
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.101 ppb m

response 582

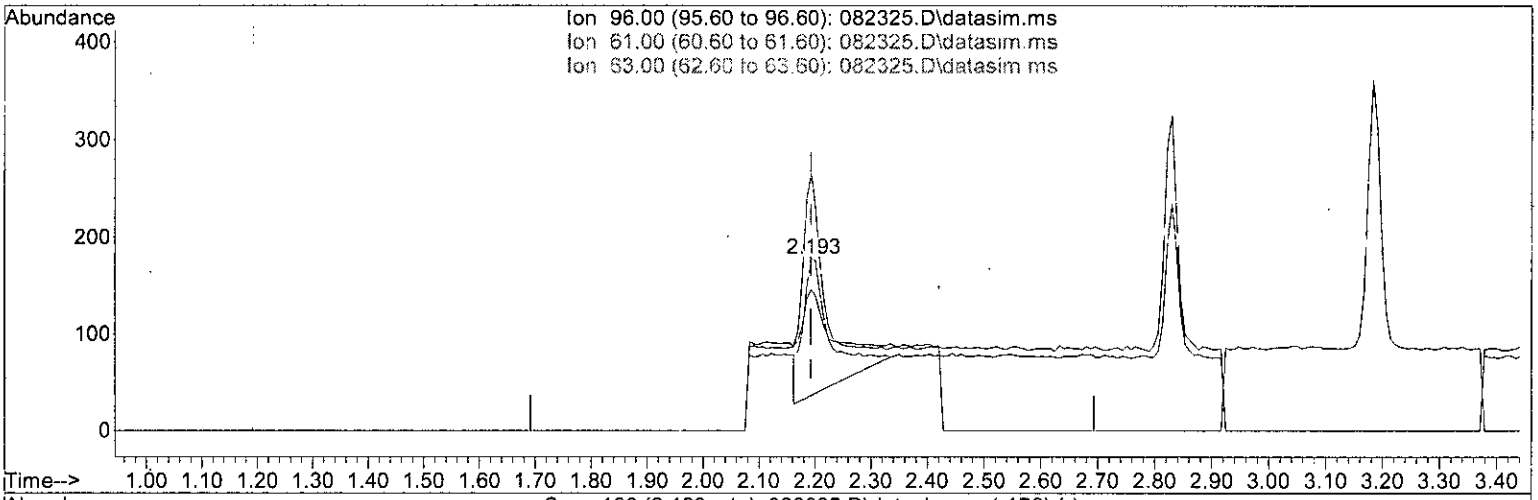
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	57.04
0.00	0.00	0.00
0.00	0.00	0.00

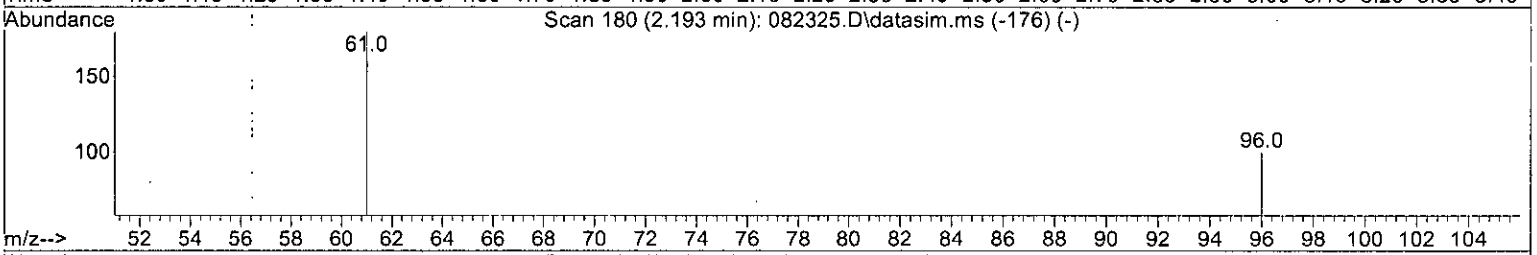
8/26 JCM

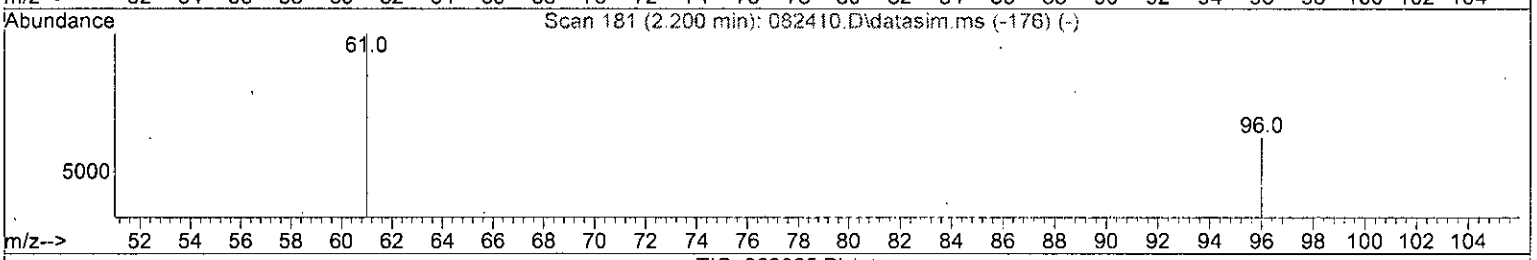
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.238 ppb

response 481

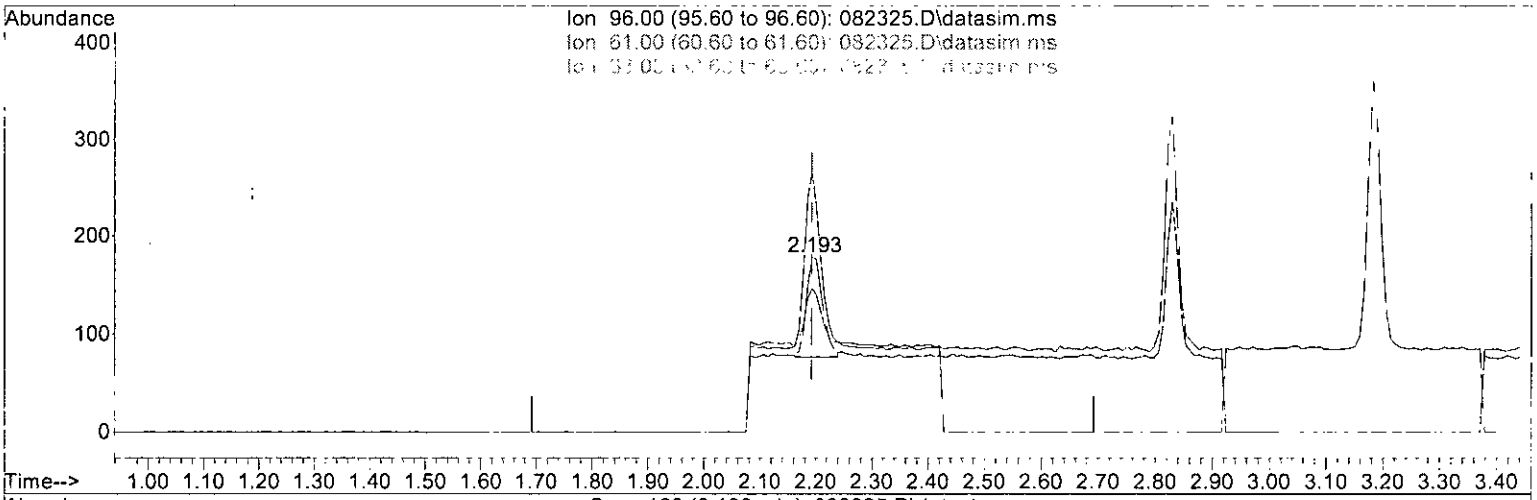
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	177.45
63.00	53.80	56.86
0.00	0.00	0.00

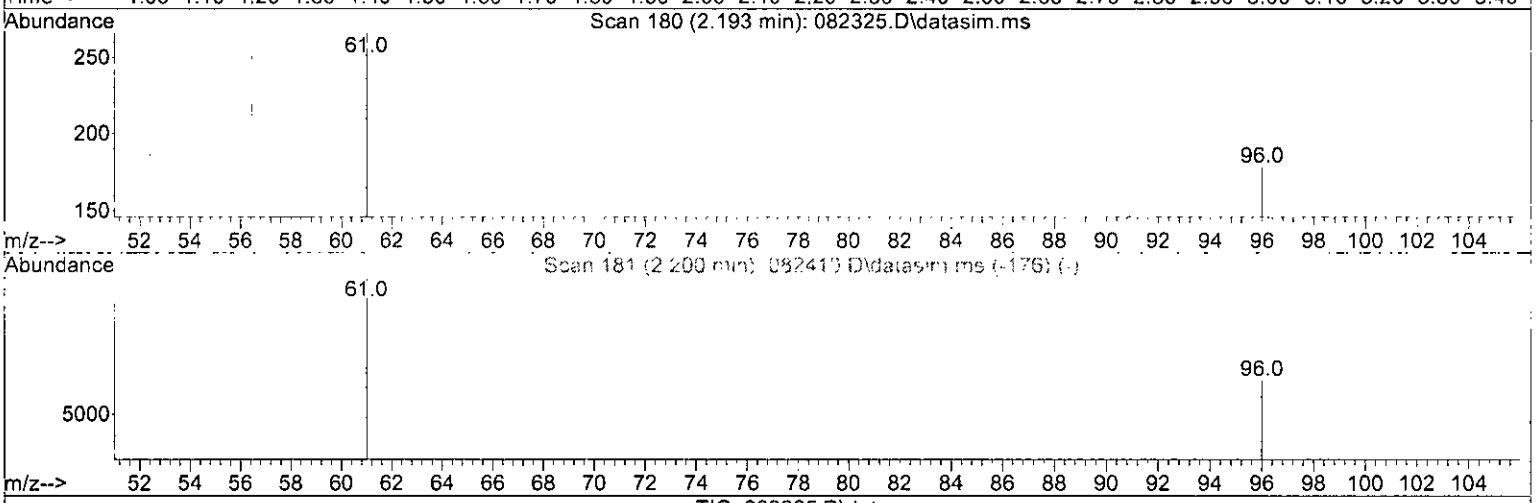
8/26 am

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.103 ppb m

response 209

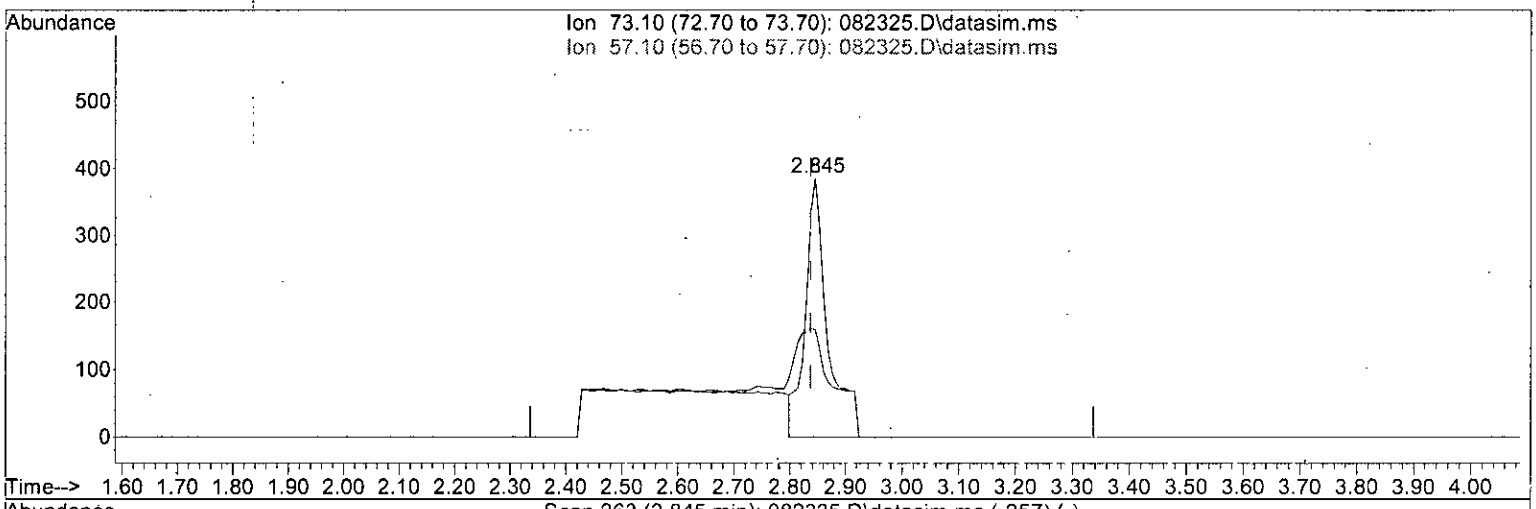
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	149.44
63.00	53.80	82.02
0.00	0.00	0.00

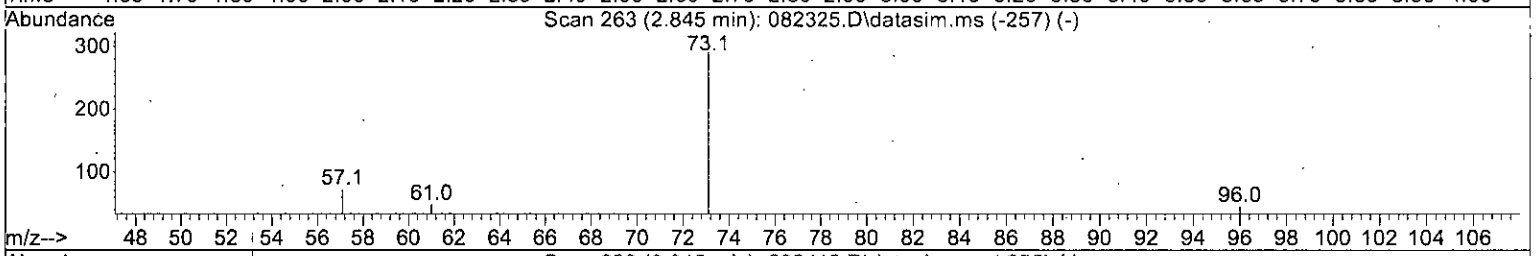
8/26 am

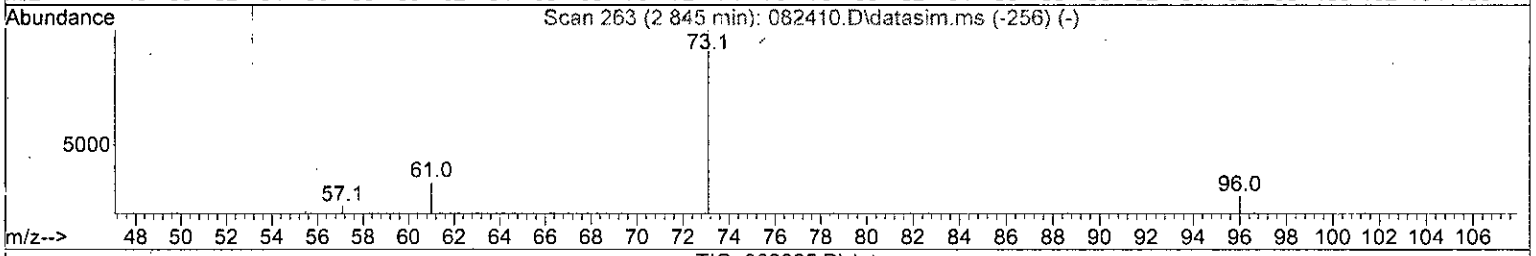
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.183 ppb

response 1079

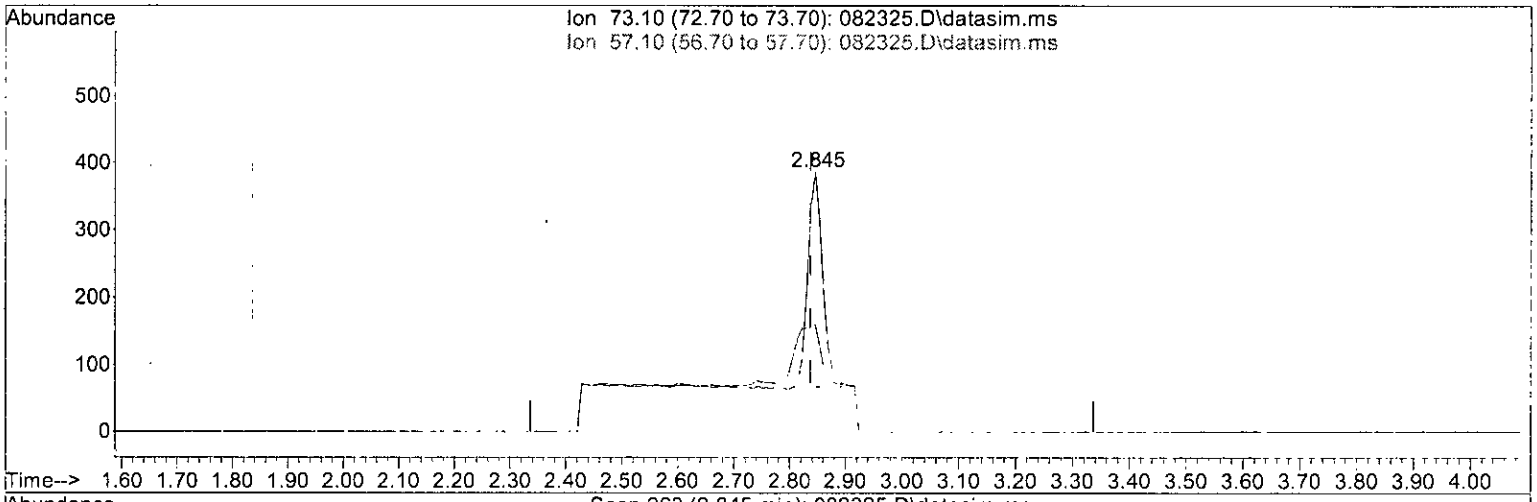
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	41.19
0.00	0.00	0.00
0.00	0.00	0.00

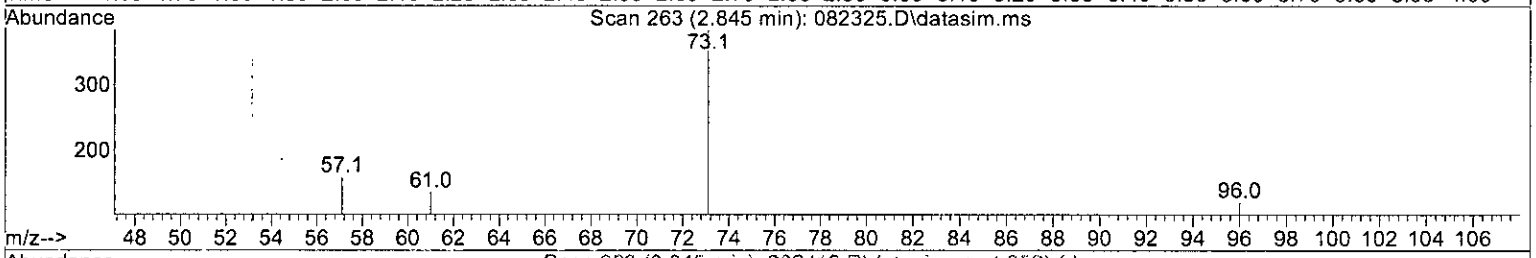
8/26 RM

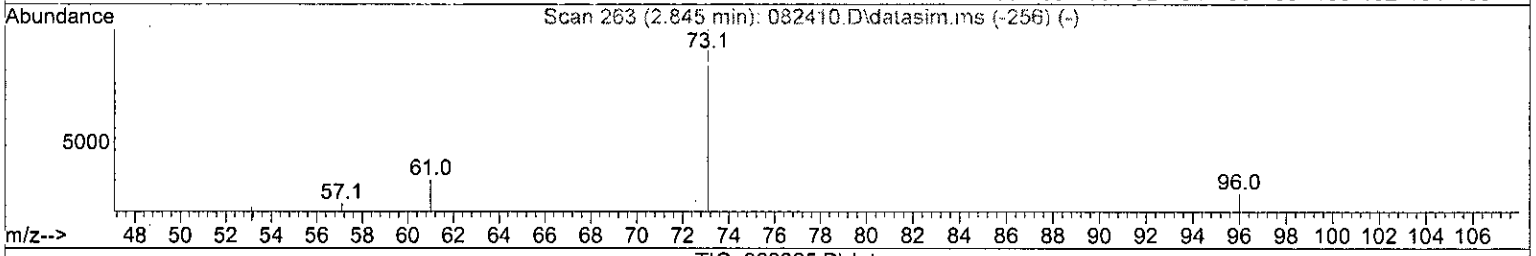
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.102 ppb m

response 601

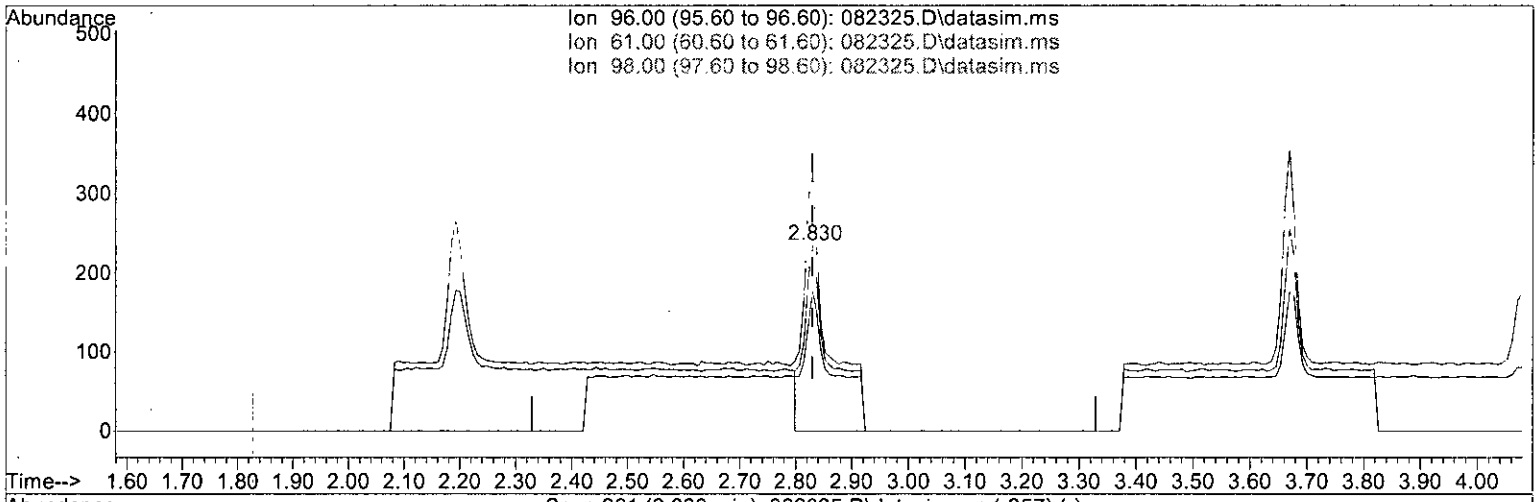
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	41.19
0.00	0.00	0.00
0.00	0.00	0.00

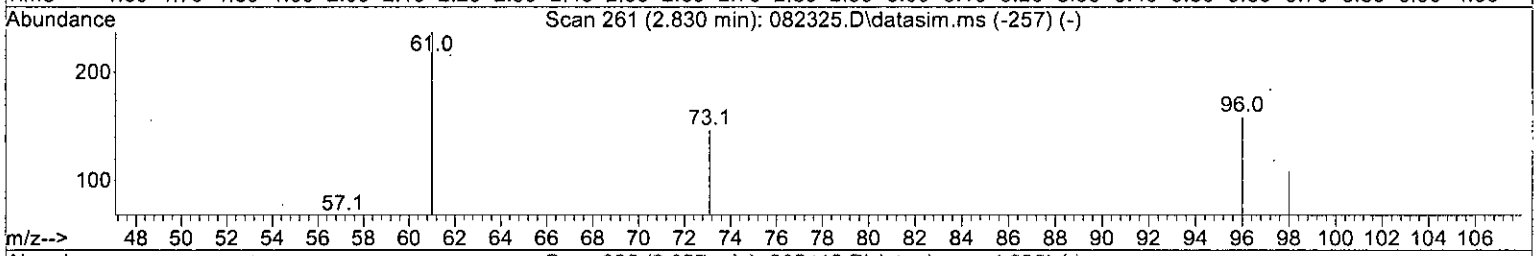
8/26 JCM

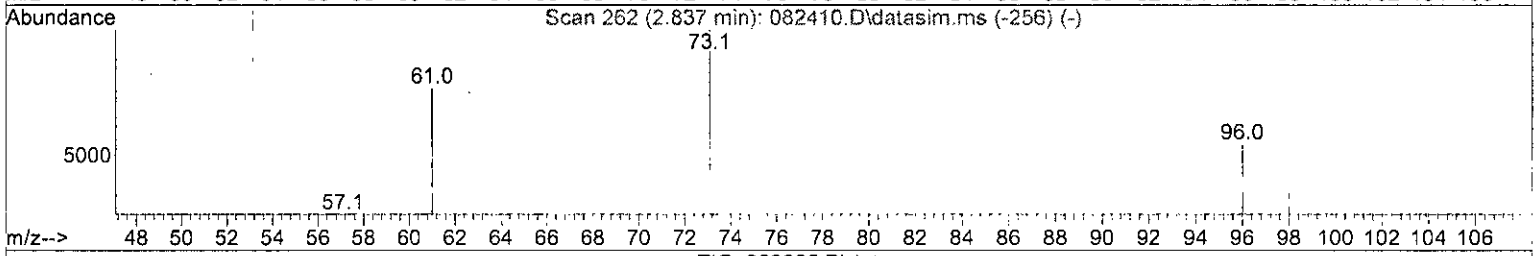
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.000) 0.350 ppb

response 773

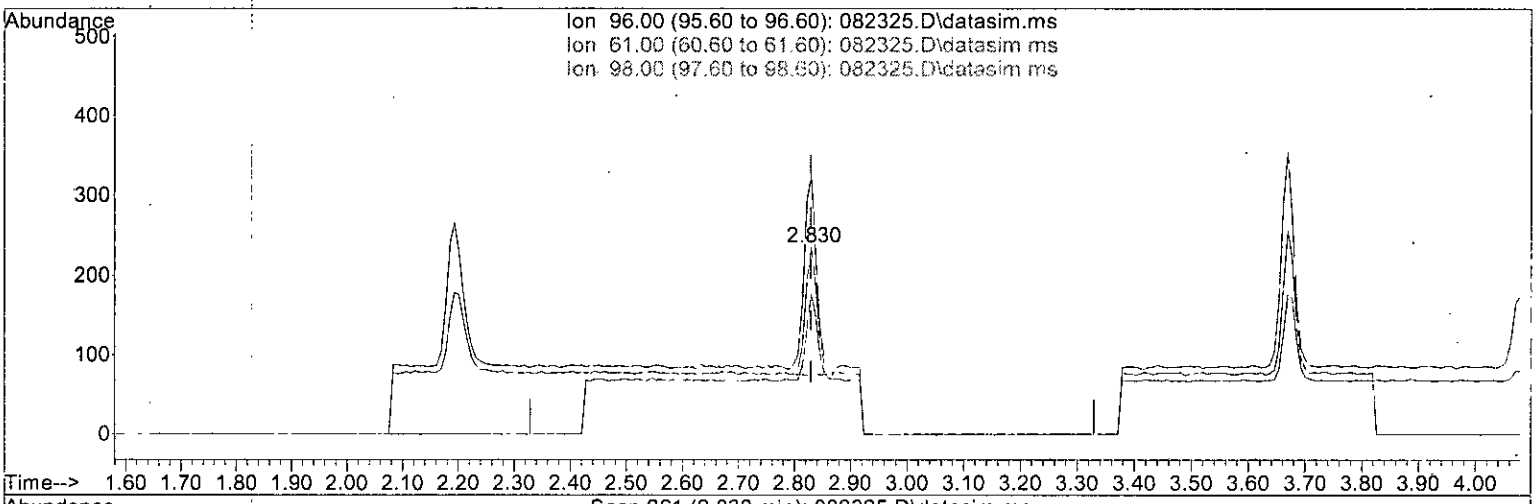
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	138.30
98.00	65.50	74.89
0.00	0.00	0.00

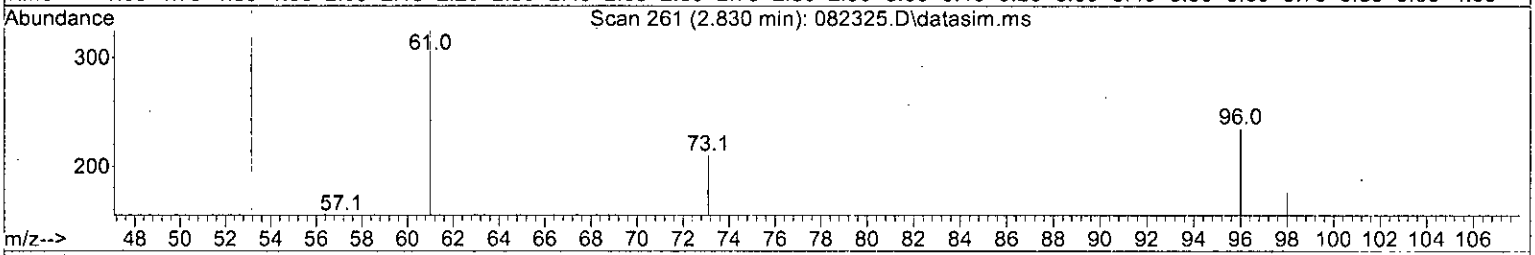
8/26 JCM

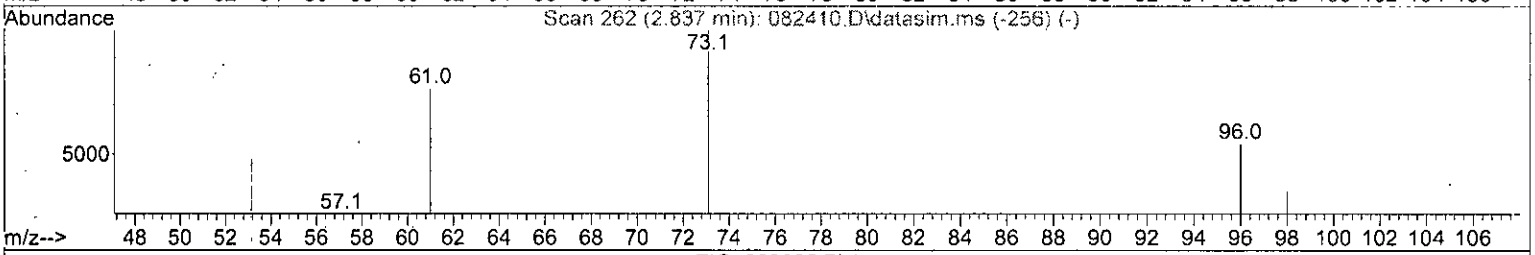
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:32 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.000) 0.101 ppb m

response 239

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	138.30
98.00	65.50	74.89
0.00	0.00	0.00

8/26 GM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	100	0.04
3	S	Dibromofluoromethane	10.000	10.387	-3.9	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.100	0.101	-1.0	109	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.59#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.79#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.40#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.100	0.103	-3.0	102	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.102	-2.0	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.101	-1.0	102	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.100	0.107	-7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.55#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.67#
22	TMP	cis-1,2-Dichloroethene	0.100	0.102	-2.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.71#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.50#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.104	-4.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.102	-2.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.22#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	10.110	-1.1	100	0.00
31	TMP	Benzene	0.100	0.102	-2.0	100	0.00
32	TMP	Trichloroethene	0.100	0.102	-2.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	9.822	1.8	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.090	10.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.57#
45	TMP	Tetrachloroethene	0.100	0.097	3.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.76#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.098	2.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.30#
49	TMP	Ethylbenzene	0.100	0.099	1.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.200	0.196	2.0	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.048	-0.5	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.63#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.81#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.11#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.16#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.32#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.47#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.51#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	0.100	0.117	-17.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	100	0.04
3	S	Dibromofluoromethane	0.290	0.301	-3.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.900	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.816	0.823	-0.9	109	0.00
7	TMP	Bromomethane	0.519	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.410	0.000#	100.0#	0#	-1.59#
9	TMP	Trichlorofluoromethane	1.035	0.000#	100.0#	0#	-1.79#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.286	0.296	-3.5	102	0.00
13	TMP	Hexane	0.461	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.702	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.850	-1.9	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.338	-4.3	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.591	0.630	-6.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.000#	100.0#	0#	-3.55#
21	TMP	2,2-Dichloropropane	0.364	0.000#	100.0#	0#	-3.67#
22	TMP	cis-1,2-Dichloroethene	0.352	0.368	-4.5	100	0.00
23	TMP	Chloroform	0.551	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.130	0.000#	100.0#	0#	-3.71#
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.000#	100.0#	0#	-4.50#
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.538	-12.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.518	-1.8	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.000#	100.0#	0#	-4.22#
29	TMP	Carbon tetrachloride	0.414	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.061	0.061	0.0	100	0.00
31	TMP	Benzene	1.180	1.241	-5.2	100	0.00
32	TMP	Trichloroethene	0.330	0.349	-5.8	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.375	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	1.034	1.015	1.8	100	0.00
36	TMP	Dibromomethane	0.169	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38	TMP	cis-1,3-Dichloropropene	0.413	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	1.709	-56.4#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.244	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.230	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.447	0.000#	100.0#	0#	-6.57#
45	TMP	Tetrachloroethene	0.410	0.443	-8.0	100	0.00
46	TMP	Dibromochloromethane	0.343	0.000#	100.0#	0#	-6.76#
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.334	-2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.000#	100.0#	0#	-7.30#
49	TMP	Ethylbenzene	1.835	1.975	-7.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.769	0.849	-10.4	100	0.00
52	TMP	o-Xylene	0.707	0.757	-7.1	100	0.00
53	TMP	Styrene	1.019	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.597	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.839	-0.5	100	0.00
58	TMP	n-Propylbenzene	3.173	0.000#	100.0#	0#	-8.63#
59	TMP	Bromobenzene	0.796	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.346	0.000#	100.0#	0#	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.487	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.923	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.190	0.000#	100.0#	0#	-8.81#
65	TMP	tert-Butylbenzene	2.061	0.000#	100.0#	0#	-9.11#
66	TMP	1,2,4-Trimethylbenzene	2.410	0.000#	100.0#	0#	-9.16#
67	TMP	sec-Butylbenzene	3.038	0.000#	100.0#	0#	-9.32#
68	TMP	p-Isopropyltoluene	2.625	0.000#	100.0#	0#	-9.47#
69	TMP	1,3-Dichlorobenzene	1.493	0.000#	100.0#	0#	-9.42#
70	TMP	1,4-Dichlorobenzene	1.505	0.000#	100.0#	0#	-9.51#
71	TMP	1,2-Dichlorobenzene	1.467	0.000#	100.0#	0#	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.000#	100.0#	0#	-10.64#
73	TMP	1,2,4-Trichlorobenzene	1.094	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.138	2.496	-16.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.000#	100.0#	0#	-11.92#

(#) = Out of Range SPCC's out = 51 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	70684	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	60216	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34372	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	21261	10.387	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.36	102	4334	10.110	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 101.10%			
35) Toluene-d8	5.98	98	71779	9.822	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 98.20%			
57) 4-Bromofluorobenzene	8.38	95	28825	10.048	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 100.50%			
Target Compounds						Qvalue
2) Ethanol	1.93	45	115	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.29	62	582m	0.101	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.19	96	209m	0.103	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	2.61	84	24129	Below Cal		95
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.85	73	601m	0.102	ppb	
17] trans-1,2-Dichloroethene	2.83	96	239m	0.101	ppb	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	445	0.107	ppb	99
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	260	0.102	ppb	98
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.42	62	380	0.104	ppb	100
27] 1,1,1-Trichloroethane	4.08	97	366	0.102	ppb	96
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.39	78	877	0.102	ppb	97
32] Trichloroethene	4.93	95	247	0.102	ppb	80
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.04	92	1029	0.090	ppb	91
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

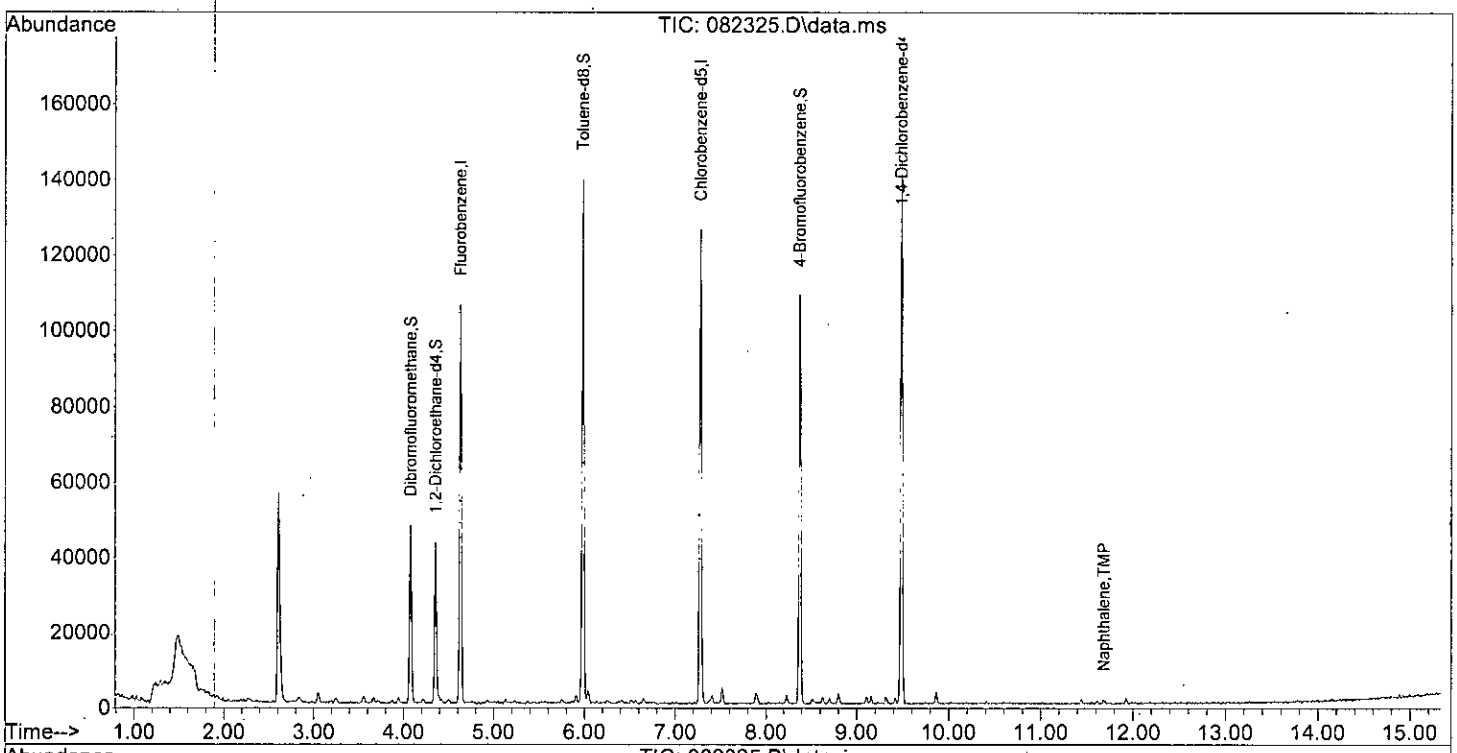
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.51	164	267	0.097	ppb	94
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.85	107	201	0.098	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.41	91	1189	0.099	ppb	88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.52	106	1022	0.196	ppb	95
52] o-Xylene	7.88	106	456	0.099	ppb	94
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	11.69	128	858	0.117	ppb	80
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

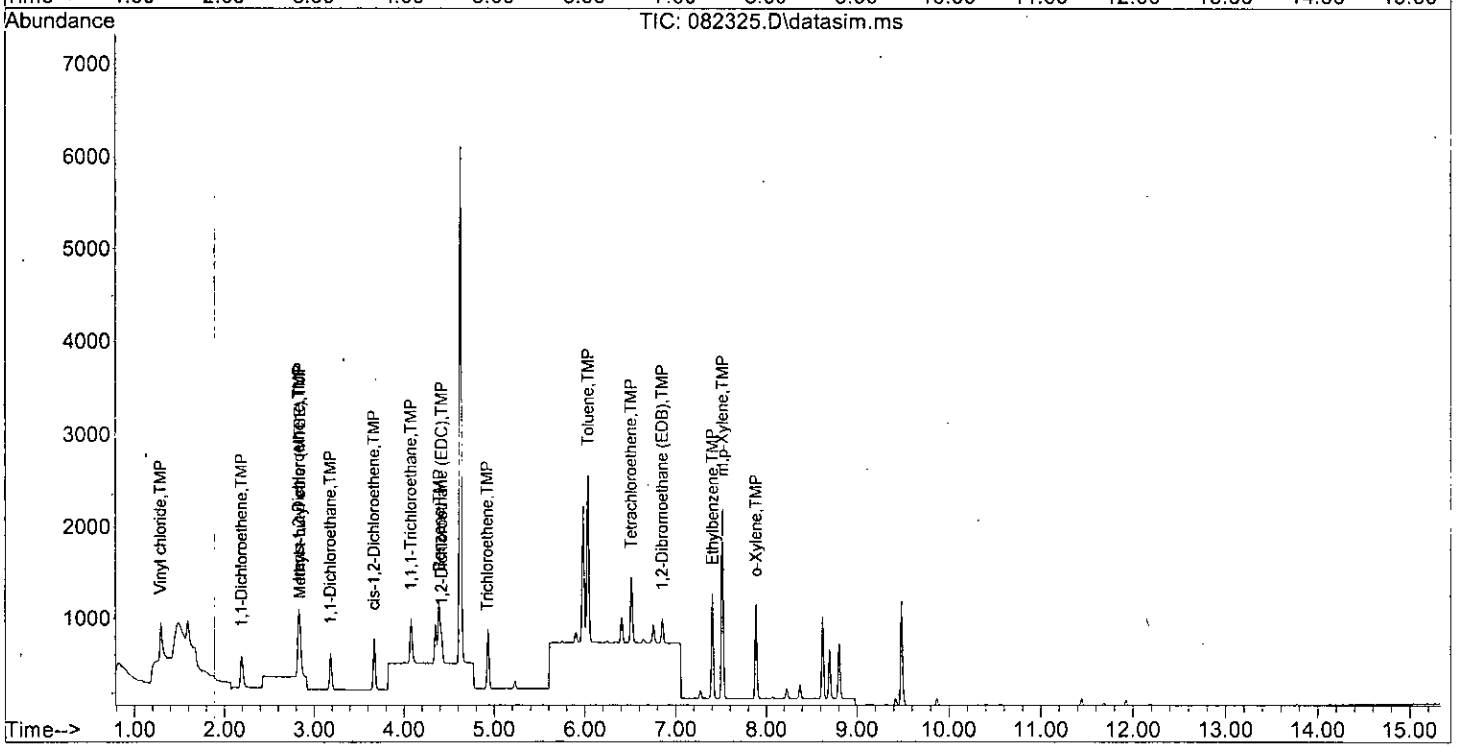
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082325.D
Acq On : 23 Aug 2022 07:21 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-74H
Misc :
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:49:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

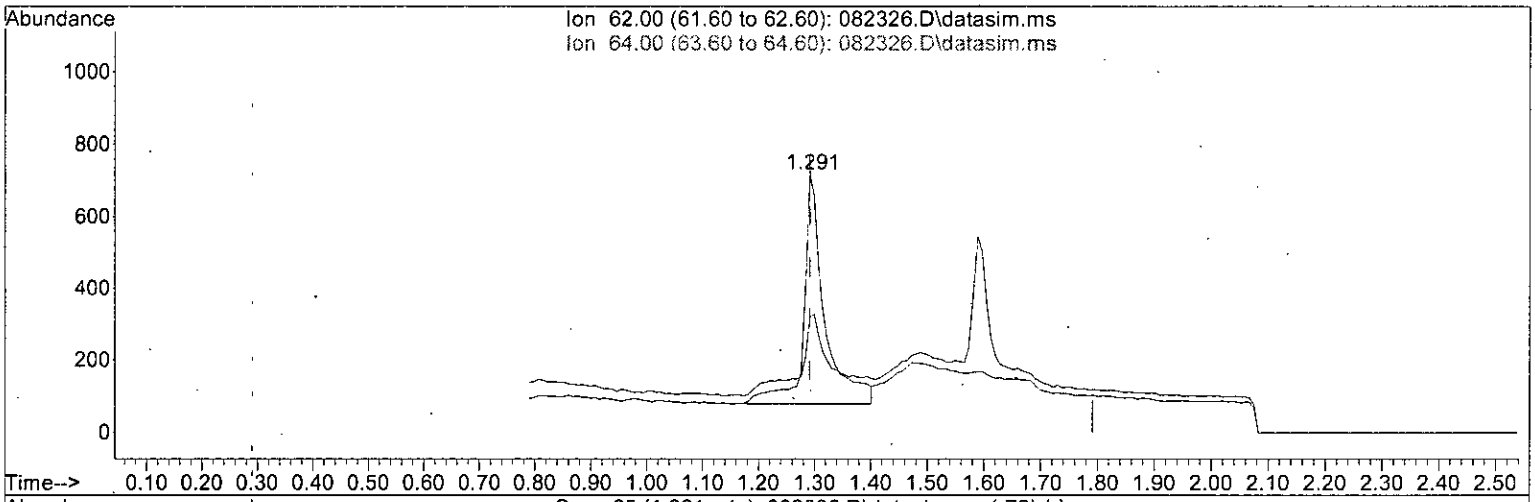


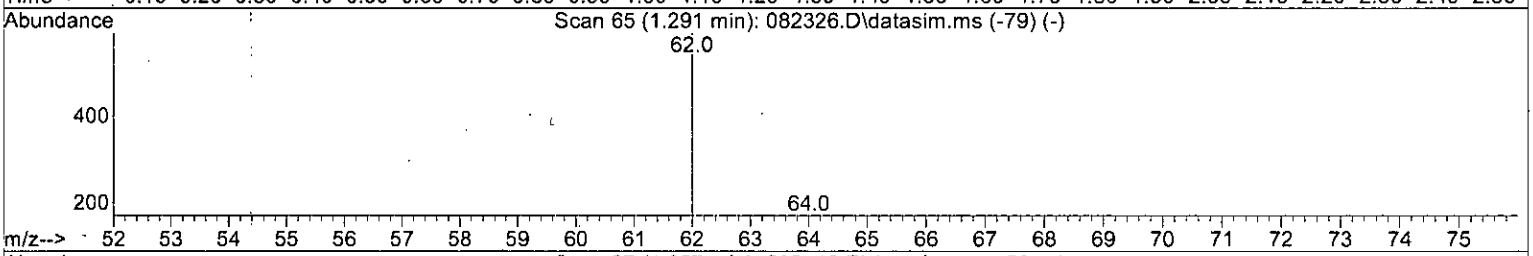


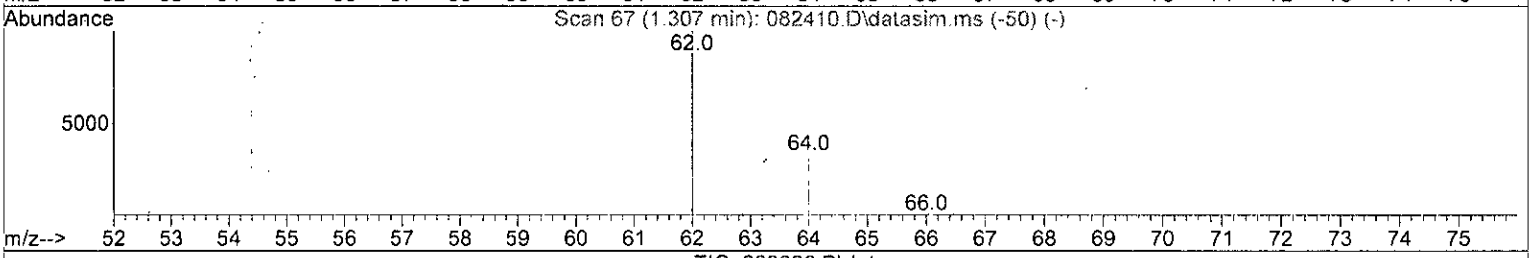
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.287 ppb

response 1690

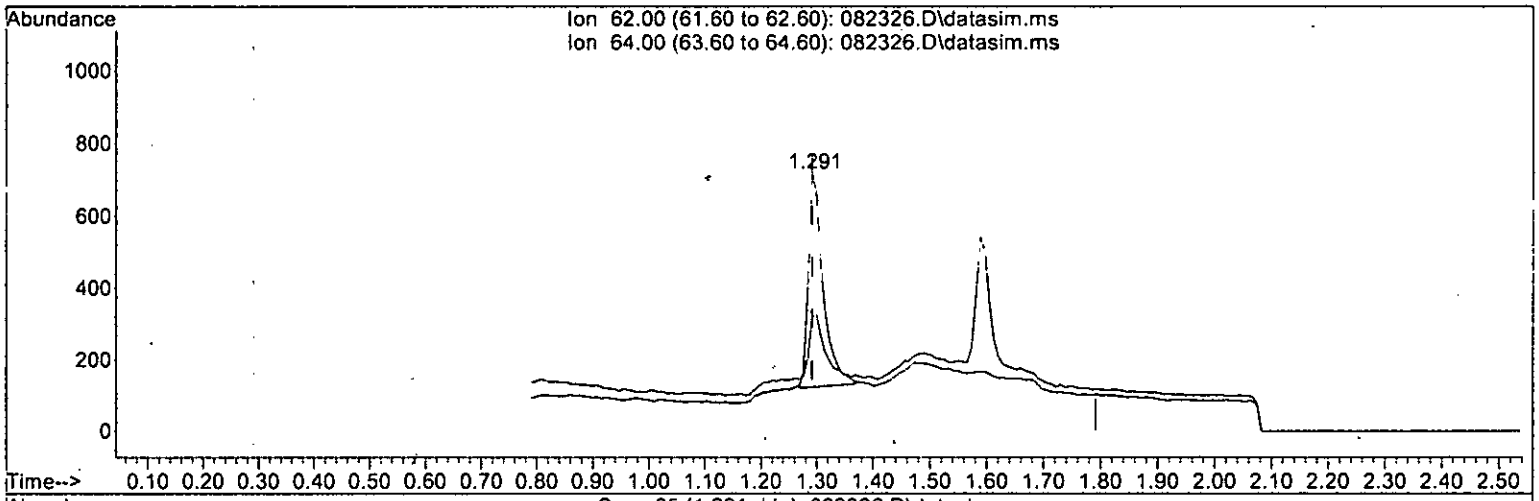
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.01
0.00	0.00	0.00
0.00	0.00	0.00

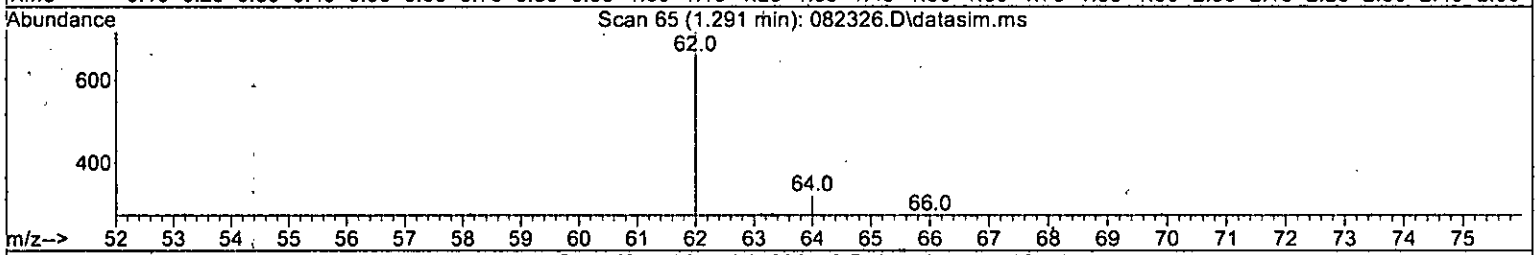
8/26 JCM

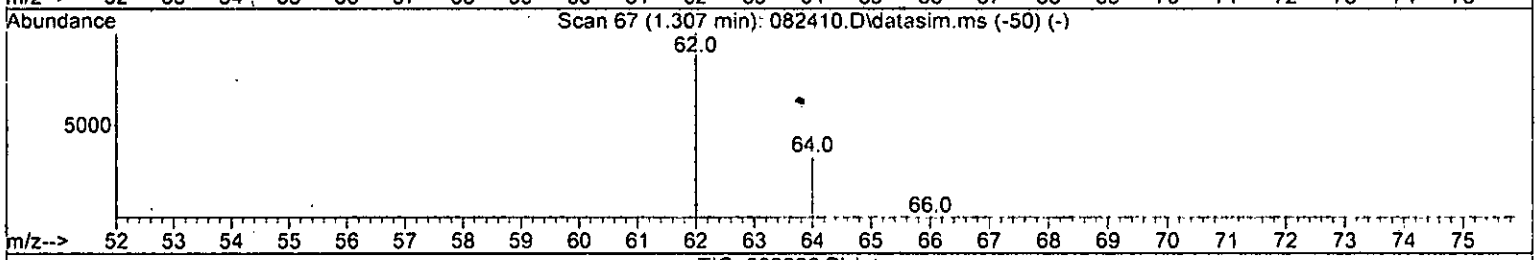
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.188 ppb m

response 1110

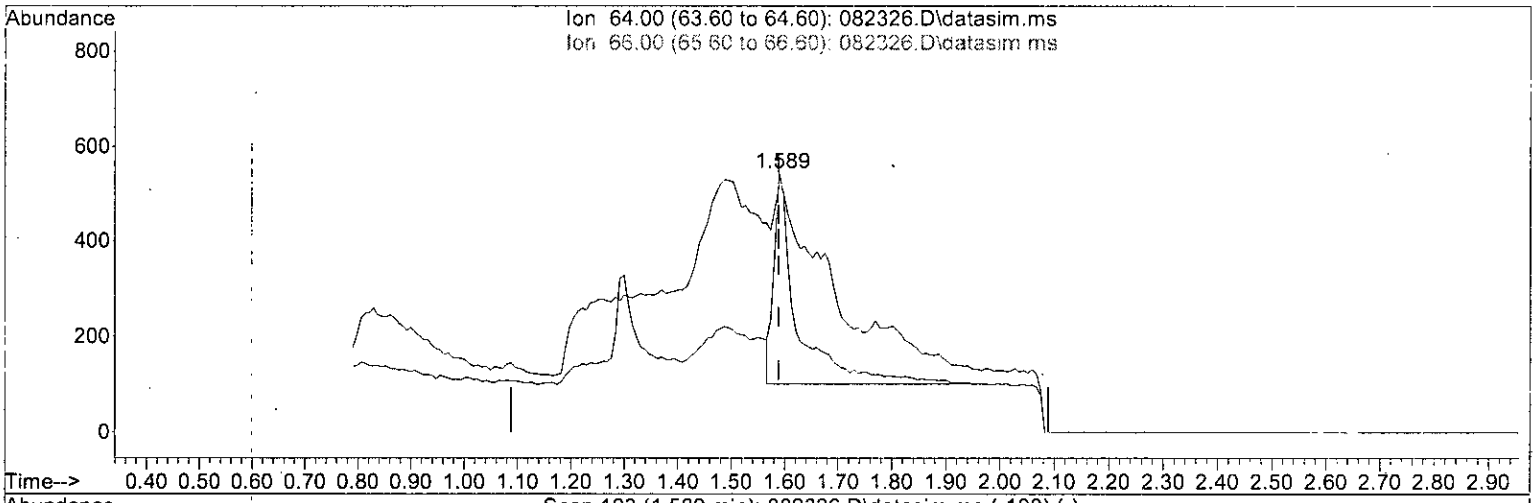
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	44.63
0.00	0.00	0.00
0.00	0.00	0.00

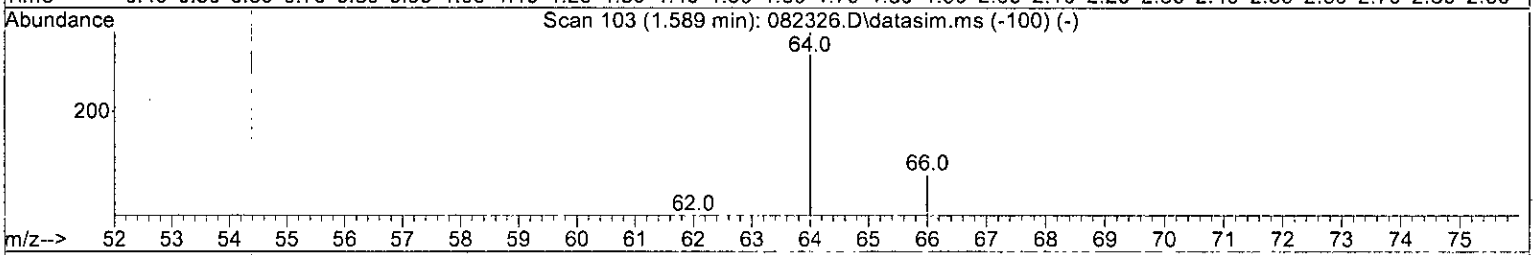
8/26 JM

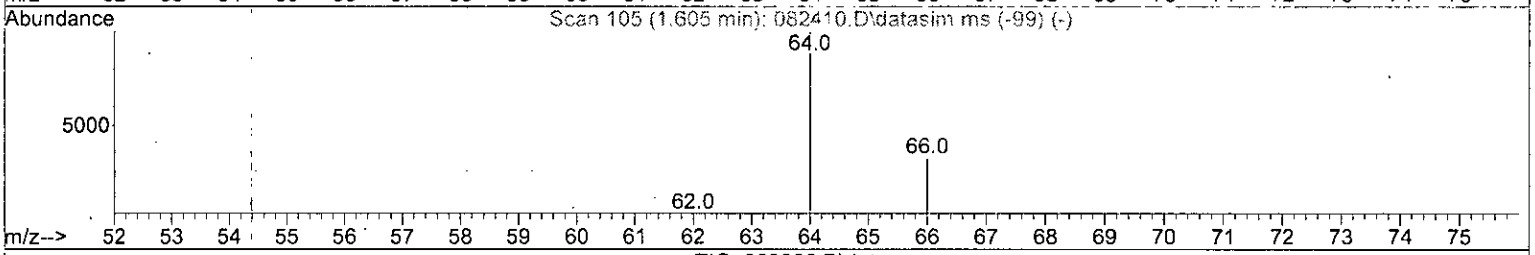
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.463 ppb

response 1370

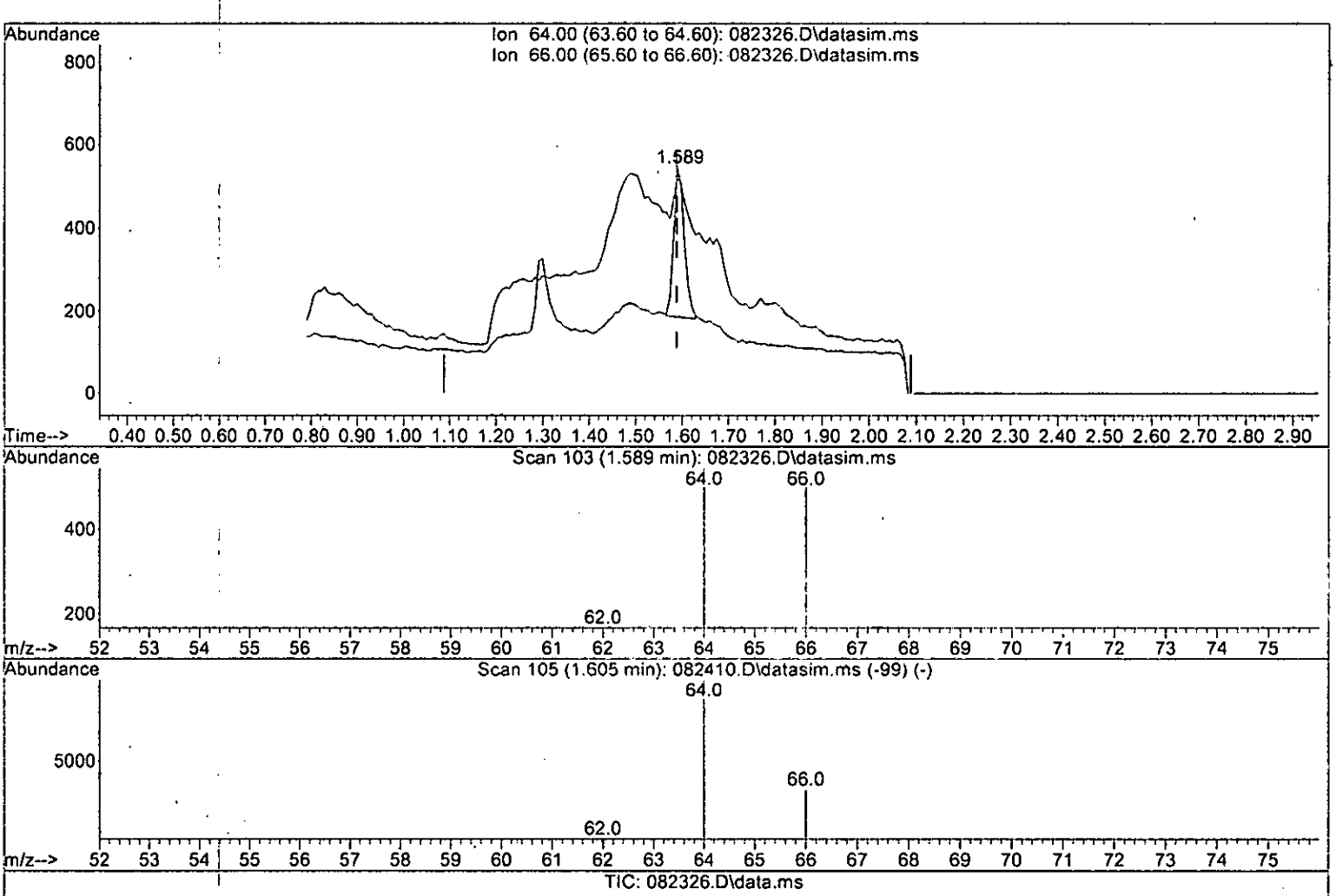
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	87.13#
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082326.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.191 ppb m

response 564

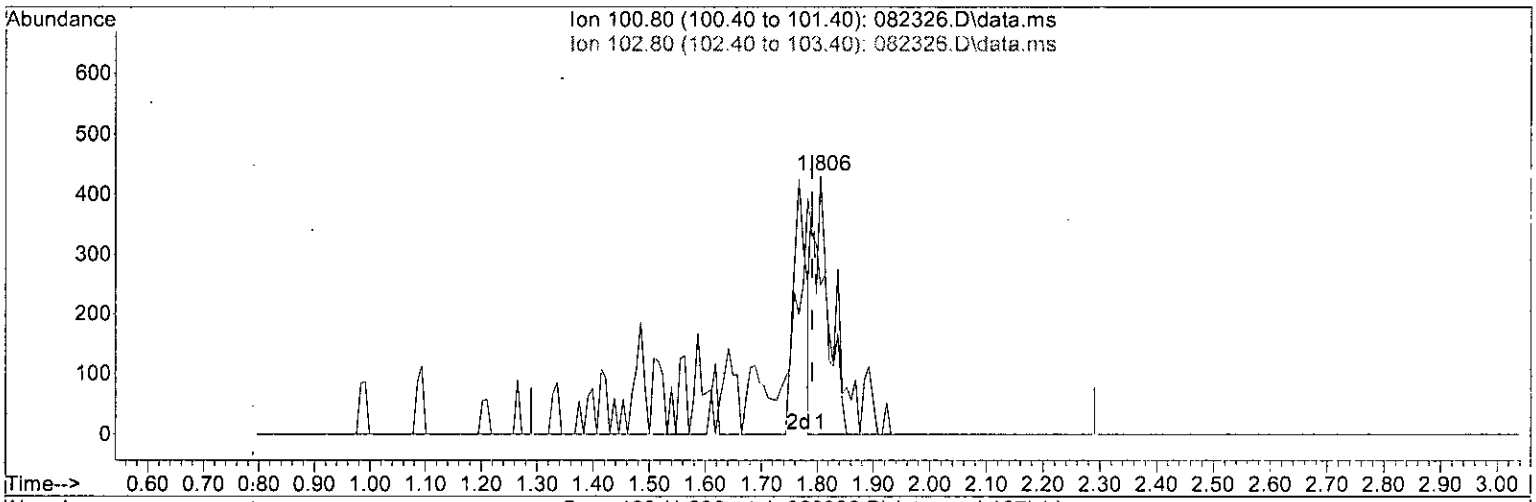
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	95.22#
0.00	0.00	0.00
0.00	0.00	0.00

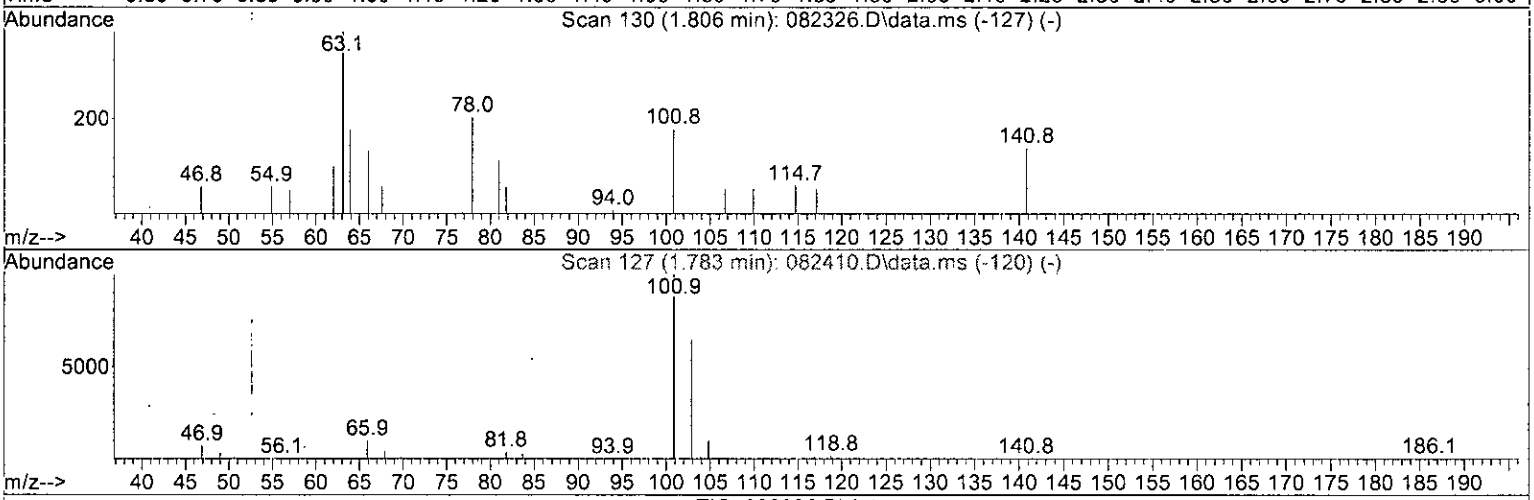
8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082326.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.806min (+ 0.015) 0.114 ppb

response 855

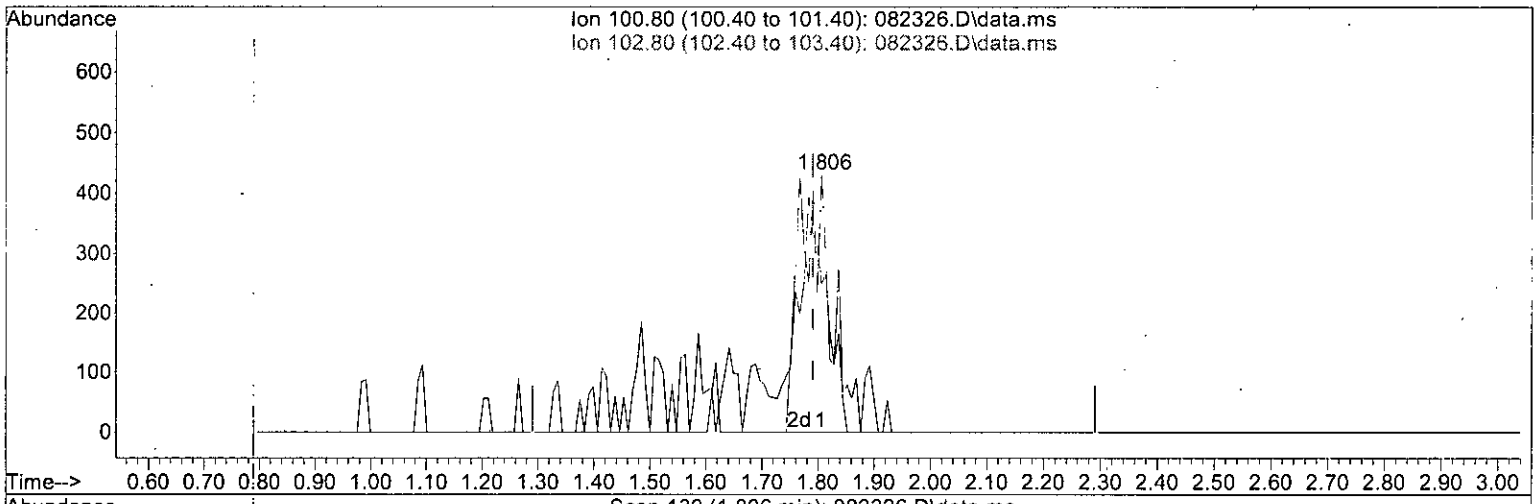
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	44.55
0.00	0.00	0.00
0.00	0.00	0.00

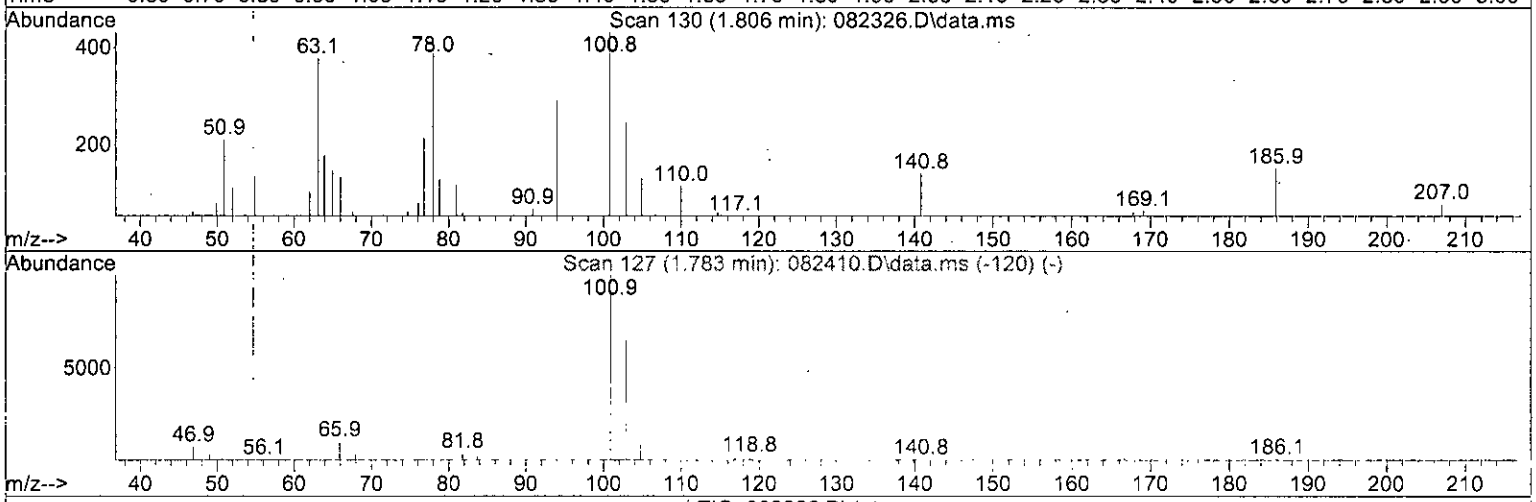
8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082326.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.806min (+ 0.015) 0.202 ppb m

response 1512

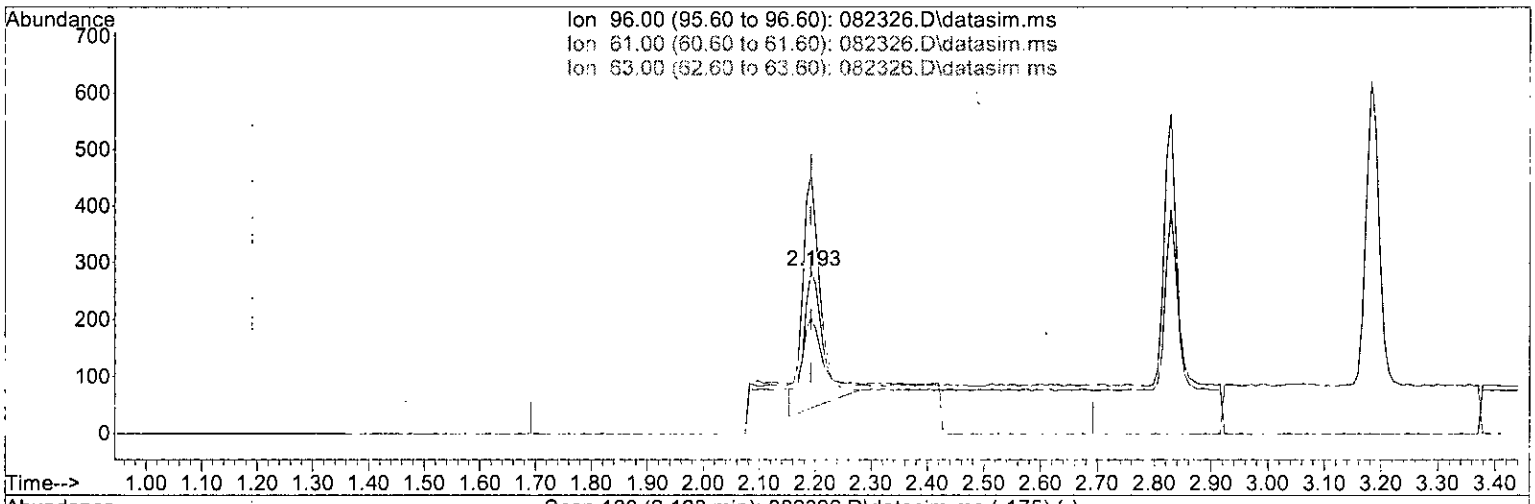
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	57.54
0.00	0.00	0.00
0.00	0.00	0.00

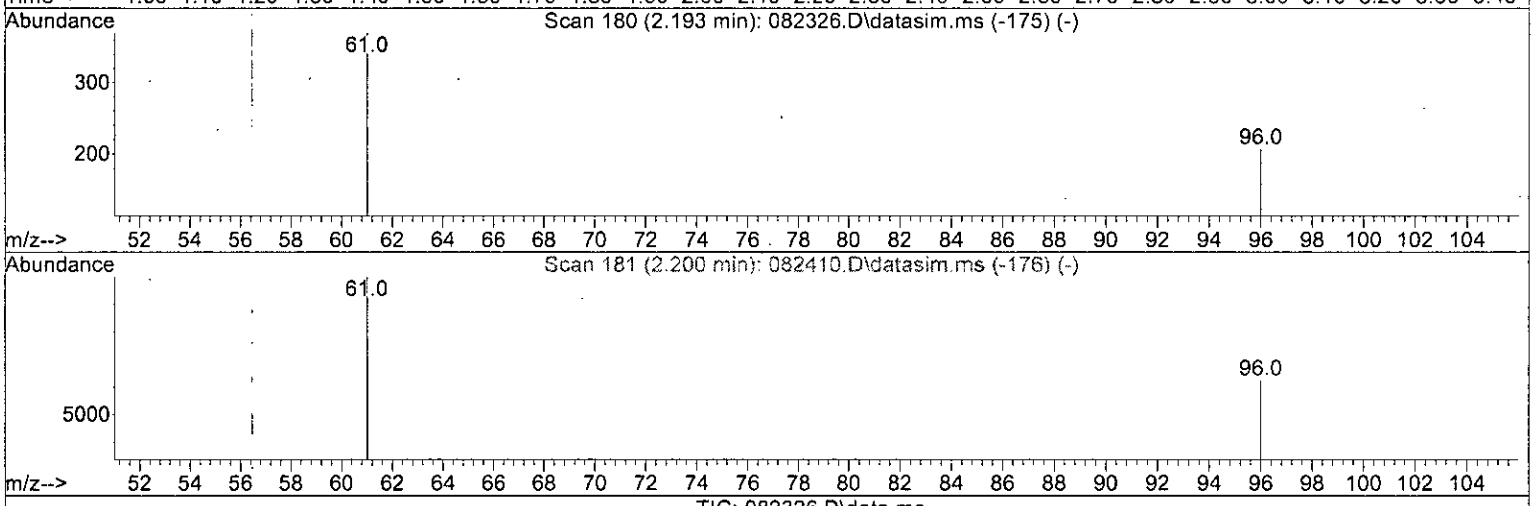
8/26 dm

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082326.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.286 ppb

response 591

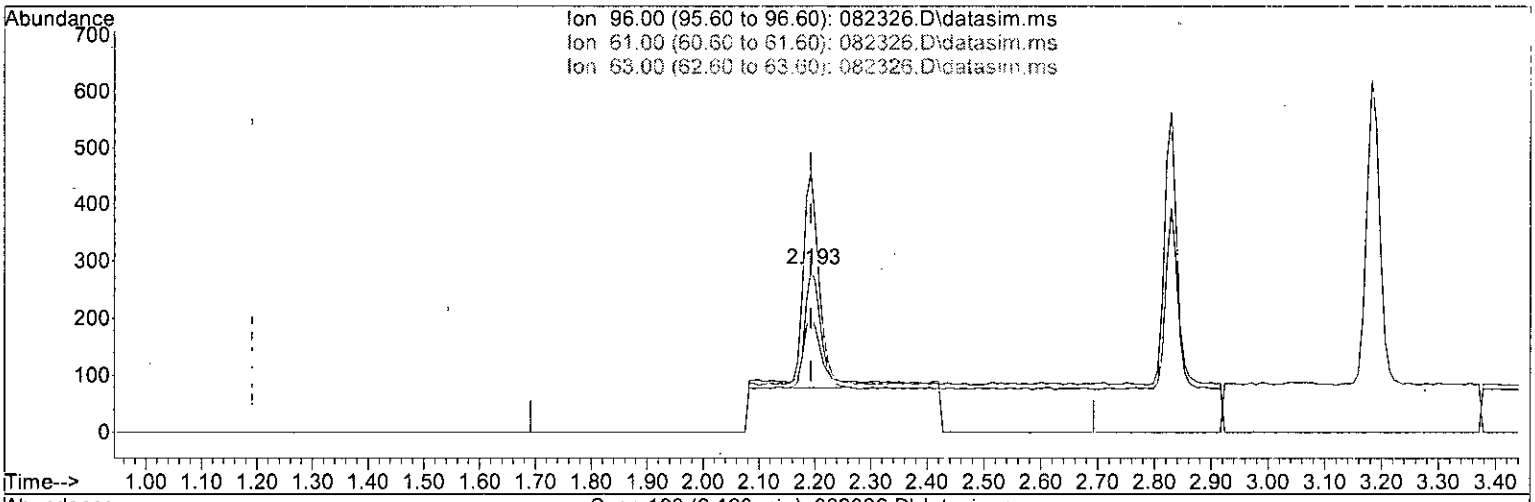
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	177.03
63.00	53.80	55.02
0.00	0.00	0.00

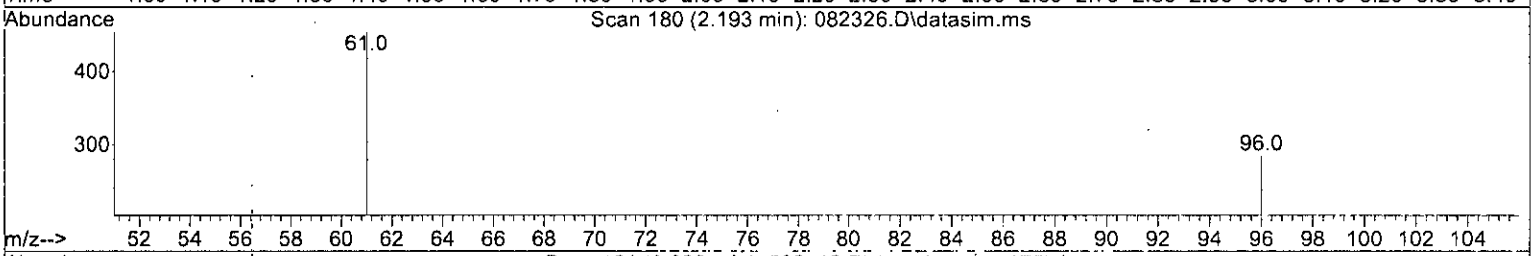
8/26 dm

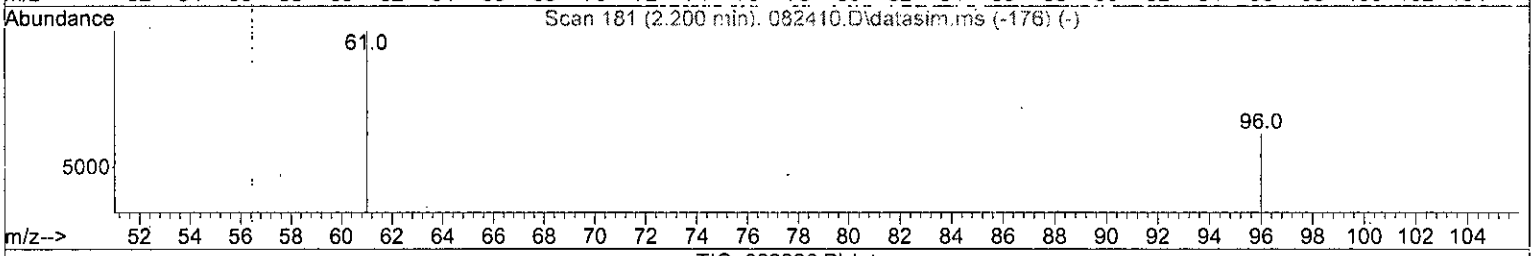
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.196 ppb m

response 405

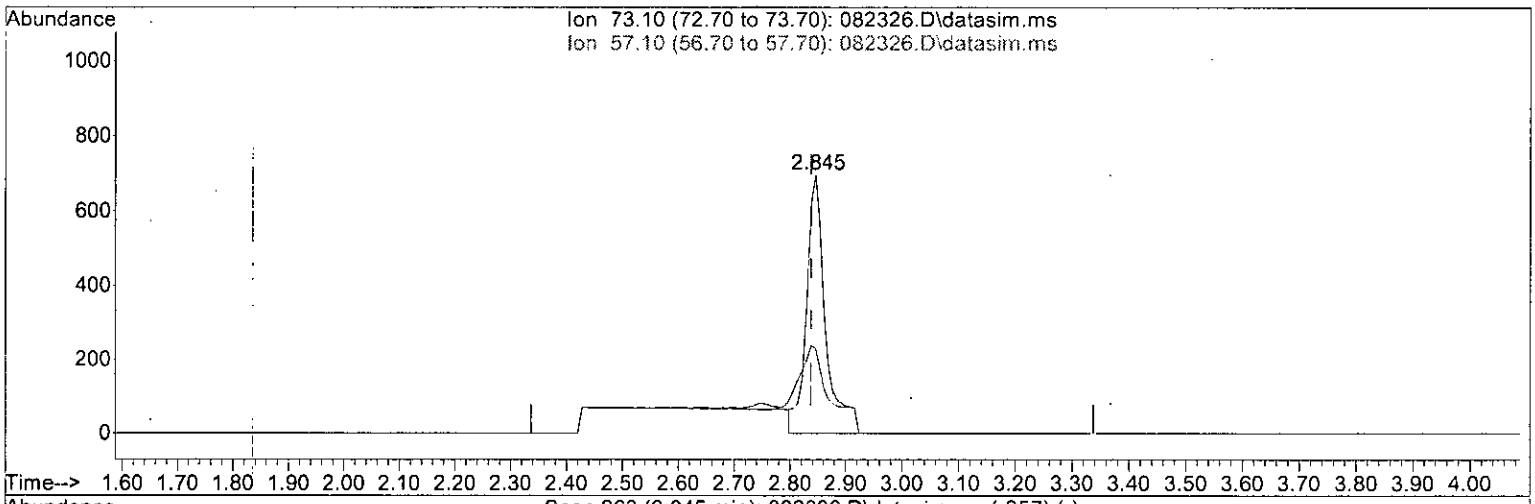
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	160.00
63.00	53.80	71.23
0.00	0.00	0.00

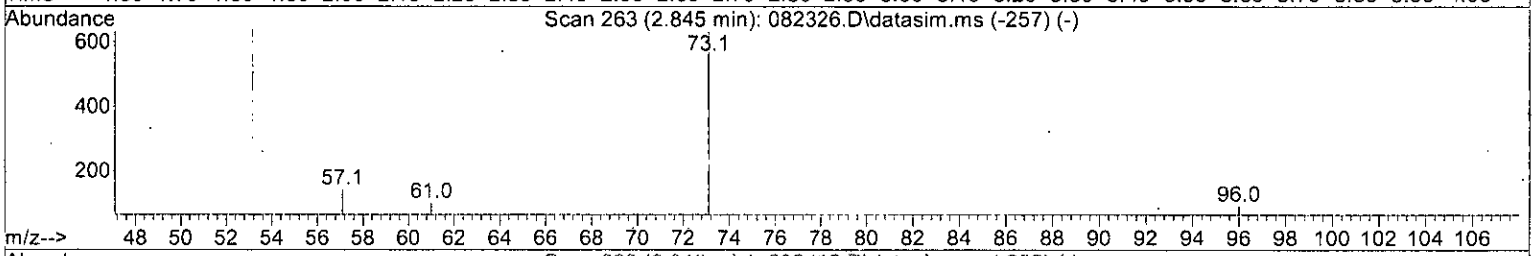
8/26 JM

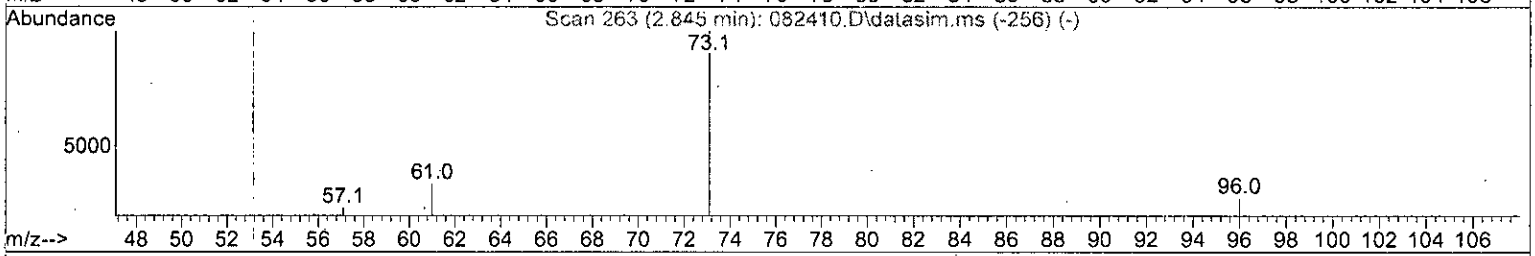
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.279 ppb

response 1683

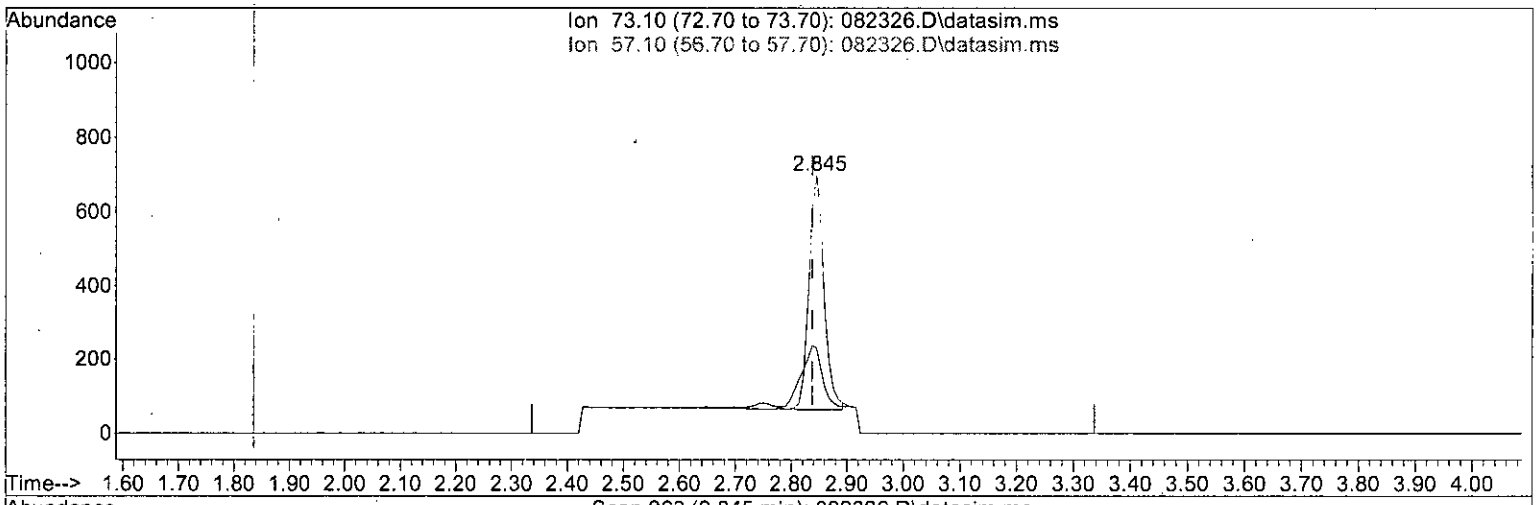
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	33.14
0.00	0.00	0.00
0.00	0.00	0.00

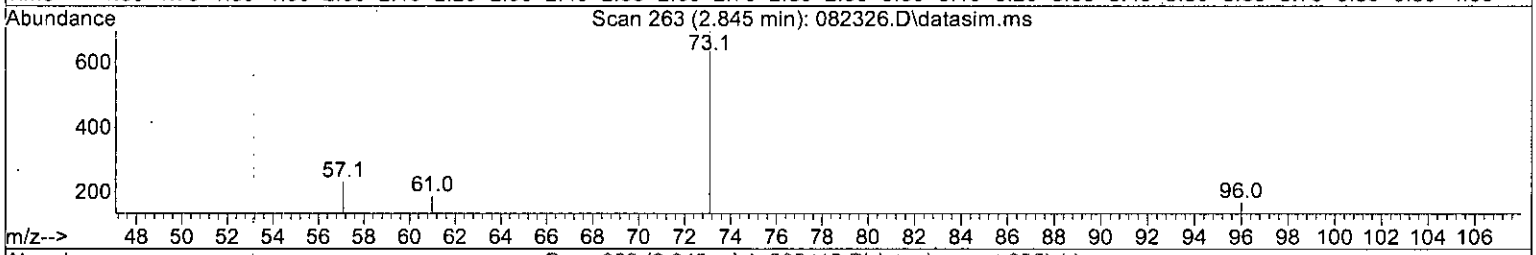
8/26 JCM

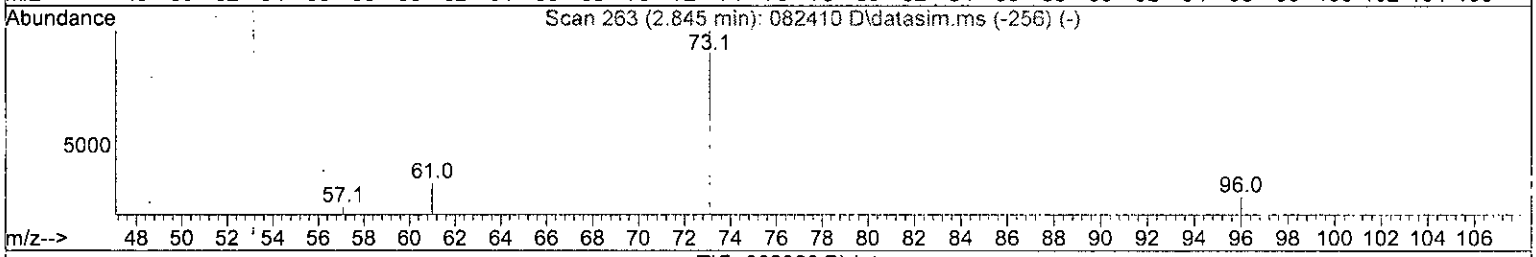
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.202 ppb m

response 1217

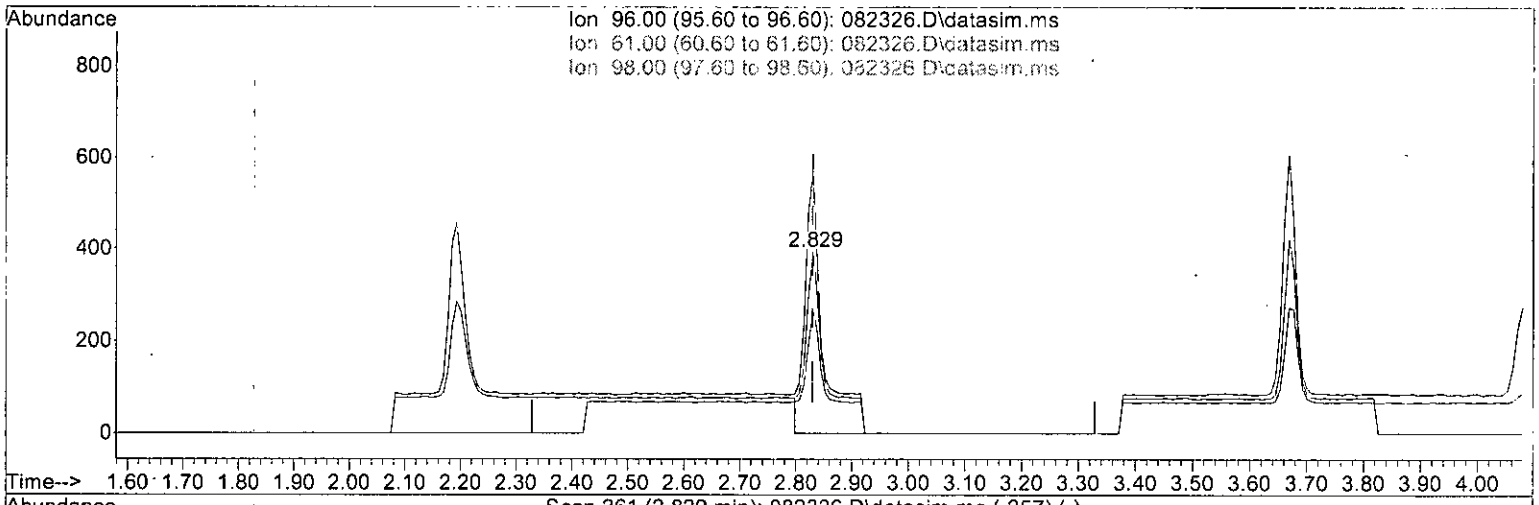
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	33.14
0.00	0.00	0.00
0.00	0.00	0.00

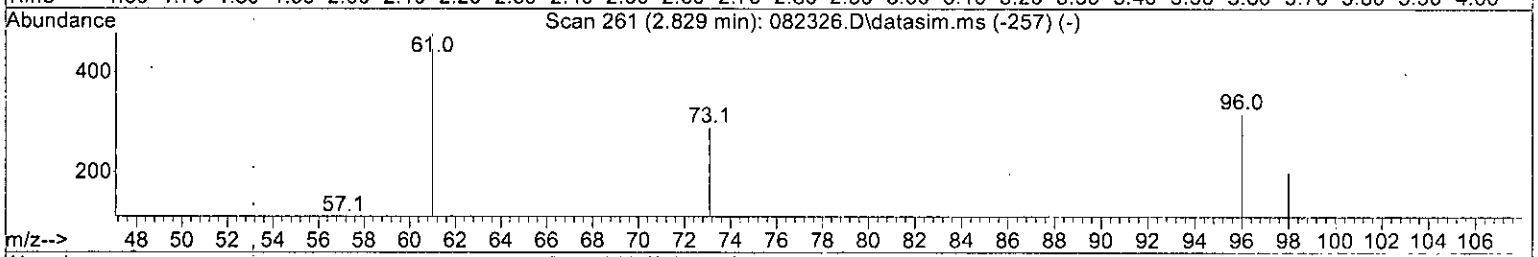
8/26 dm

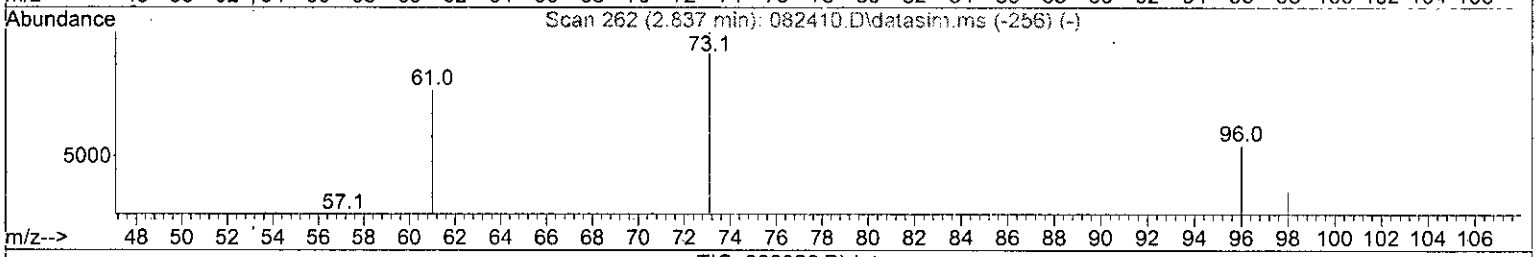
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (-0.000) 0.448 ppb

response 1004

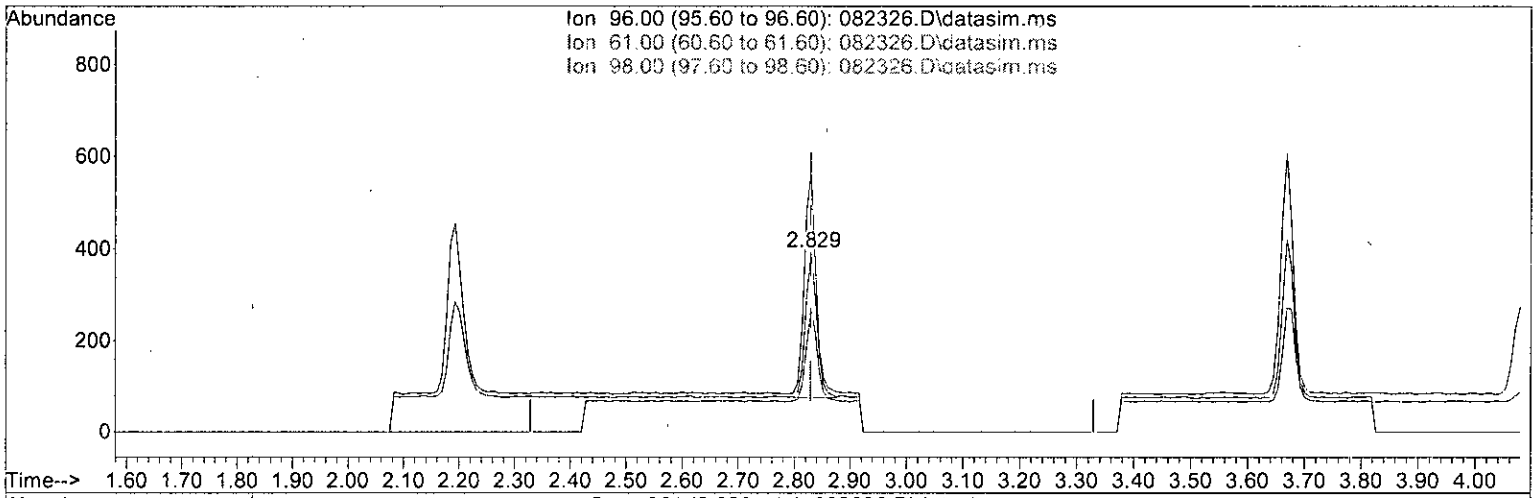
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	143.51
98.00	65.50	68.19
0.00	0.00	0.00

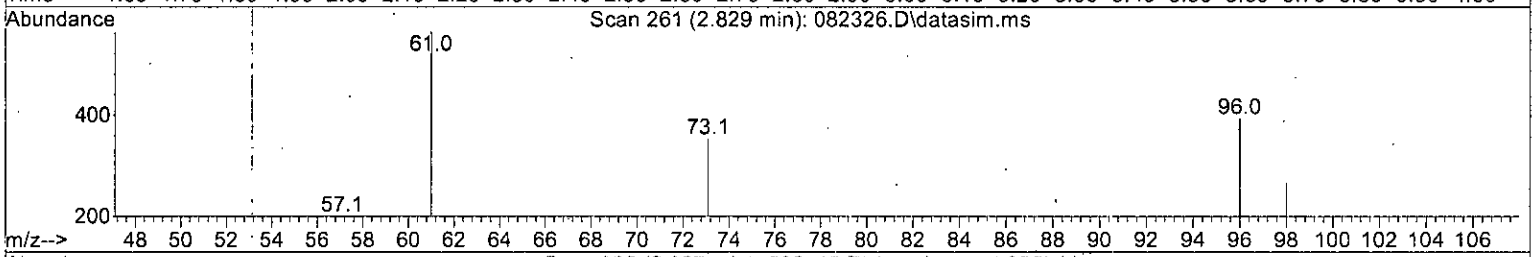
8/26 JCM

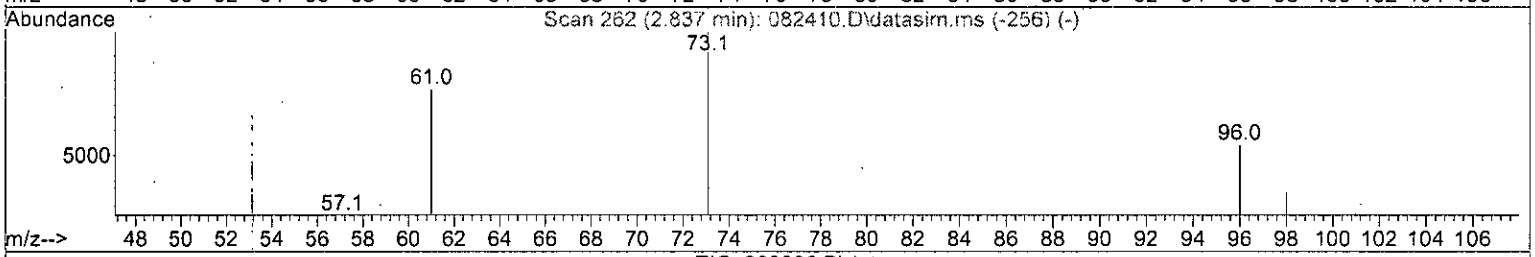
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:34 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082326.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (-0.000) 0.200 ppb m

response 461

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	143.51
98.00	65.50	68.19
0.00	0.00	0.00

8/26 dcl

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	100	0.00
3	S	Dibromofluoromethane	10.000	10.007	-0.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.200	0.188	6.0	101	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	0.200	0.191	4.5	101	0.00
9	TMP	Trichlorofluoromethane	0.200	0.202	-1.0	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.200	0.196	2.0	99	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.202	-1.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.200	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.212	-6.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.202	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.205	-2.5	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.191	4.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.202	-1.0	100	0.00
23	TMP	Chloroform	0.200	0.231	-15.5	100	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.71#
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.197	1.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.199	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.197	1.5	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.216	-8.0	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.185	7.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.677	3.2	100	0.00
31	TMP	Benzene	0.200	0.197	1.5	100	0.00
32	TMP	Trichloroethene	0.200	0.198	1.0	100	0.00
33	TMP	1,2-Dichloropropane	0.200	0.241	-20.5#	100	0.00
34	TMP	Bromodichloromethane	0.200	0.229	-14.5	100	0.00
35	S	Toluene-d8	10.000	10.331	-3.3	100	0.00
36	TMP	Dibromomethane	0.200	0.197	1.5	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	0.850	15.0	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.200	0.193	3.5	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.176	12.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.216	-8.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.207	-3.5	100	0.00
43	TMP	2-Hexanone	-1.000	1.136	0.0	100	0.01
44	TMP	1,3-Dichloropropane	0.200	0.217	-8.5	100	-0.01
45	TMP	Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.191	4.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.200	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.200	0.202	-1.0	100	0.00
49	TMP	Ethylbenzene	0.200	0.201	-0.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.244	-22.0#	100	0.00
51	TMP	m,p-Xylene	0.400	0.399	0.3	100	0.00
52	TMP	o-Xylene	0.200	0.200	0.0	100	0.00
53	TMP	Styrene	0.200	0.220	-10.0	100	0.00
54	TMP	Isopropylbenzene	0.200	0.214	-7.0	100	0.00
55	TMP	Bromoform	0.200	0.207	-3.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.233	-2.3	100	0.00
58	TMP	n-Propylbenzene	0.200	0.228	-14.0	100	0.00
59	TMP	Bromobenzene	0.200	0.196	2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.240	-20.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.201	-0.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.226	-13.0	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.238	-19.0	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.205	-2.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.207	-3.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.235	-17.5	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.213	-6.5	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.197	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.219	-9.5	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.225	-12.5	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.228	-14.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.214	-7.0	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.190	5.0	100	0.00
75	TMP	Naphthalene	0.200	0.193	3.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.208	-4.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	100	0.00
3	S	Dibromofluoromethane	0.290	0.290	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.900	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.816	0.769	5.8	101	0.00
7	TMP	Bromomethane	0.519	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.410	0.391	4.6	101	0.00
9	TMP	Trichlorofluoromethane	1.035	1.047	-1.2	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.286	0.280	2.1	99	0.00
13	TMP	Hexane	0.461	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.702	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.843	-1.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.319	1.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	1.028	-5.9	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.596	-0.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.363	-2.3	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.497	-36.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.352	0.0	100	0.00
23	TMP	Chloroform	0.551	0.635	-15.2	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.000#	100.0#	0#	-3.71#
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.768	1.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.464	3.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.501	1.6	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.416	-7.8	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.382	7.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.059	3.3	100	0.00
31	TMP	Benzene	1.180	1.151	2.5	100	0.00
32	TMP	Trichloroethene	0.330	0.323	2.1	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.361	-20.3#	100	0.00
34	TMP	Bromodichloromethane	0.375	0.429	-14.4	100	0.00
35	S	Toluene-d8	1.034	1.068	-3.3	100	0.00
36	TMP	Dibromomethane	0.169	0.166	1.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.039	13.3	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.413	0.400	3.1	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	1.196	-9.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.469	-8.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.253	-3.7	100	0.00
43	TMP	2-Hexanone	0.230	0.000#	100.0#	100	0.01
44	TMP	1,3-Dichloropropane	0.447	0.485	-8.5	100	-0.01
45	TMP	Tetrachloroethene	0.410	0.399	2.7	100	0.00
46	TMP	Dibromochloromethane	0.343	0.328	4.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.319	1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.963	-0.8	100	0.00
49	TMP	Ethylbenzene	1.835	1.791	2.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.430	-21.8#	100	0.00
51	TMP	m,p-Xylene	0.769	0.734	4.6	100	0.00
52	TMP	o-Xylene	0.707	0.687	2.8	100	0.00
53	TMP	Styrene	1.019	1.121	-10.0	100	0.00
54	TMP	Isopropylbenzene	1.597	1.709	-7.0	100	0.00
55	TMP	Bromoform	0.228	0.170	25.4#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.854	-2.3	100	0.00
58	TMP	n-Propylbenzene	3.173	3.610	-13.8	100	0.00
59	TMP	Bromobenzene	0.796	0.781	1.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.815	-20.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.655	-0.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.550	-12.9	100	0.00
63	TMP	2-Chlorotoluene	1.923	2.288	-19.0	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.243	-2.4	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.136	-3.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.833	-17.6	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.236	-6.5	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.586	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.633	-9.4	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.695	-12.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.672	-14.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.000#	100.0#	0#	-10.64#
73	TMP	1,2,4-Trichlorobenzene	1.094	1.170	-6.9	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.593	4.8	100	0.00
75	TMP	Naphthalene	2.138	2.059	3.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	1.020	-3.8	100	0.00

(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	72194	10.000 ppb		0.00
39) Chlorobenzene-d5	7.28	117	63703	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34816	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	20920	10.007 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.10%			
30) 1,2-Dichloroethane-d4	4.36	102	4237	9.677 ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 96.80%			
35) Toluene-d8	5.98	98	77116	10.331 ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.30%			
57) 4-Bromofluorobenzene	8.38	95	29736	10.233 ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.30%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	54	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D. d		
5) Chloromethane	0.00		0	N.D. d		
6] Vinyl chloride	1.29	62	1110m	0.188 ppb		
7) Bromomethane	0.00		0	N.D.		
8] Chloroethane	1.59	64	564m	0.191 ppb		
9) Trichlorofluoromethane	1.81	101	1512m	0.202 ppb		
10) 2-Propanol	2.41	45	73	No Calib		
11) Acetone	0.00		0	N.D. d		
12] 1,1-Dichloroethene	2.19	96	405m	0.196 ppb		
13) Hexane	0.00		0	N.D. d		
14) Methylene chloride	2.61	84	24855	Below Cal		91
15) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
16] Methyl t-butyl ether (...	2.85	73	1217m	0.202 ppb		
17] trans-1,2-Dichloroethene	2.83	96	461m	0.200 ppb		
18) Diisopropyl ether (DIPE)	3.25	45	1485	0.212 ppb		99
19] 1,1-Dichloroethane	3.18	63	860	0.202 ppb		98
20) Ethyl t-butyl ether (E...	3.55	87	524	0.205 ppb		91
21) 2,2-Dichloropropane	3.67	77	718	0.191 ppb		78
22] cis-1,2-Dichloroethene	3.67	96	508	0.202 ppb		98
23) Chloroform	3.94	83	917	0.231 ppb		89
24) 2-Butanone (MEK)	0.00		0	N.D. d		
25) t-Amyl methyl ether (T...	4.50	73	1109	0.197 ppb		84
26] 1,2-Dichloroethane (EDC)	4.42	62	670	0.199 ppb		100
27] 1,1,1-Trichloroethane	4.08	97	723	0.197 ppb		97
28) 1,1-Dichloropropene	4.22	75	600	0.216 ppb		83
29) Carbon tetrachloride	4.22	117	552	0.185 ppb		99
31] Benzene	4.39	78	1662	0.197 ppb		98
32] Trichloroethene	4.94	95	466	0.198 ppb		94
33) 1,2-Dichloropropane	5.14	63	521	0.241 ppb	#	87
34) Bromodichloromethane	5.37	83	620	0.229 ppb		85
36) Dibromomethane	5.24	93	240	0.197 ppb	#	63
37) 4-Methyl-2-pentanone	5.92	85	278	0.850 ppb		92
38) cis-1,3-Dichloropropene	5.76	75	577	0.193 ppb		88
40] Toluene	6.04	92	1524	0.176 ppb		93
41) trans-1,3-Dichloropropene	6.25	75	597	0.216 ppb		76

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

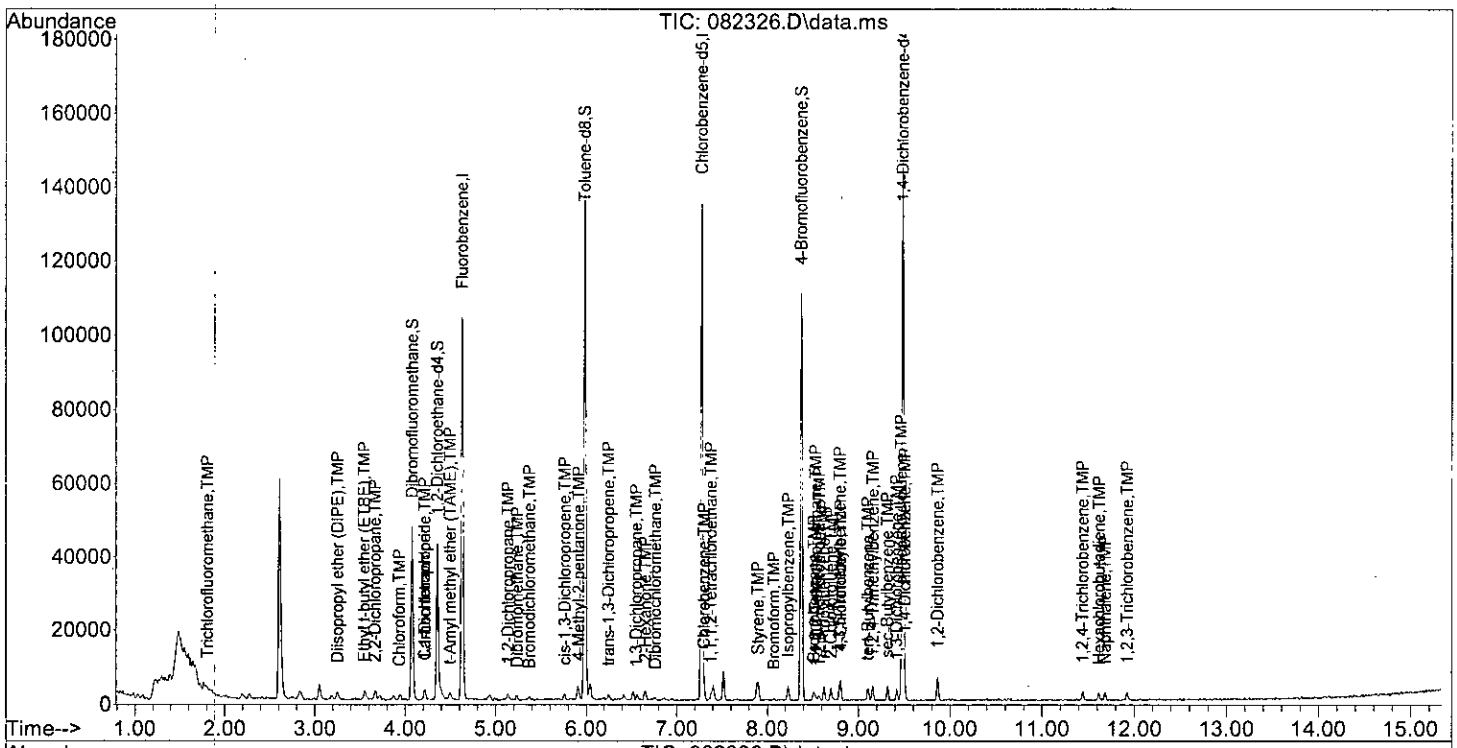
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	322	0.207 ppb	95
43) 2-Hexanone	6.65	43	1665	1.136 ppb	84
44) 1,3-Dichloropropane	6.55	76	618	0.217 ppb	76
45] Tetrachloroethene	6.51	164	508	0.203 ppb	96
46) Dibromochloromethane	6.76	129	418	0.191 ppb	83
47] 1,2-Dibromoethane (EDB)	6.85	107	406	0.200 ppb	96
48) Chlorobenzene	7.30	112	1227	0.202 ppb	90
49] Ethylbenzene	7.41	91	2282	0.201 ppb	87
50) 1,1,1,2-Tetrachloroethane	7.38	131	548	0.244 ppb	80
51] m,p-Xylene	7.52	106	1870	0.399 ppb	96
52] o-Xylene	7.88	106	875	0.200 ppb	96
53) Styrene	7.90	104	1428	0.220 ppb	92
54) Isopropylbenzene	8.23	105	2178	0.214 ppb	99
55) Bromoform	8.07	173	216	0.207 ppb	84
58) n-Propylbenzene	8.63	91	2514	0.228 ppb	93
59) Bromobenzene	8.52	156	544	0.196 ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	1960	0.240 ppb	86
61) 1,1,2,2-Tetrachloroethane	8.53	83	456	0.201 ppb	71
62) 1,2,3-Trichloropropane	8.57	75	383	0.226 ppb	79
63) 2-Chlorotoluene	8.70	91	1593	0.238 ppb	91
64) 4-Chlorotoluene	8.81	91	1562	0.205 ppb	85
65) tert-Butylbenzene	9.10	119	1487	0.207 ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	1973	0.235 ppb	80
67) sec-Butylbenzene	9.31	105	2253	0.213 ppb	94
68) p-Isopropyltoluene	9.47	119	1801	0.197 ppb	91
69) 1,3-Dichlorobenzene	9.42	146	1137	0.219 ppb	90
70) 1,4-Dichlorobenzene	9.51	146	1180	0.225 ppb	96
71) 1,2-Dichlorobenzene	9.86	146	1164	0.228 ppb	76
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D. d	
73) 1,2,4-Trichlorobenzene	11.44	180	815	0.214 ppb	95
74) Hexachlorobutadiene	11.62	225	413	0.190 ppb	94
75) Naphthalene	11.69	128	1434	0.193 ppb	89
76) 1,2,3-Trichlorobenzene	11.92	180	710	0.208 ppb	81

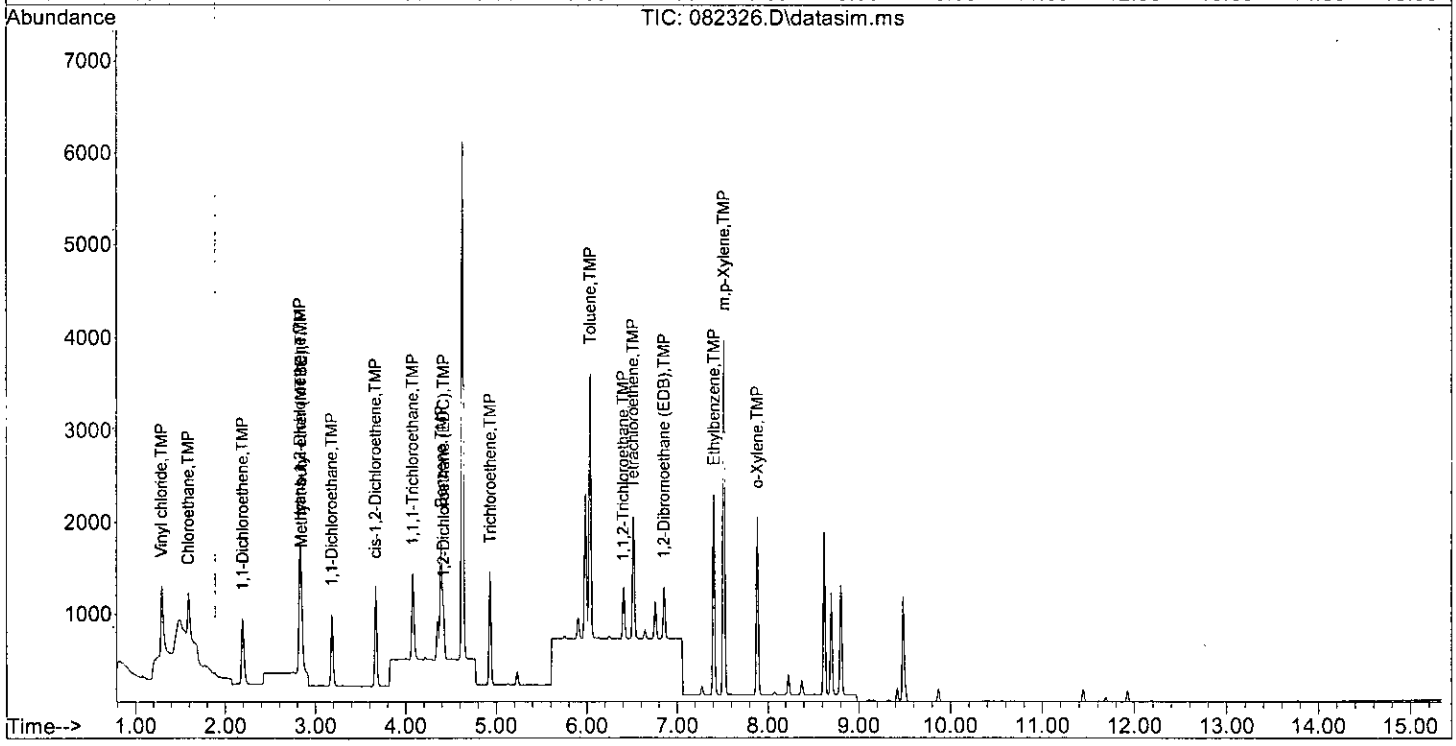
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082326.D
Acq On : 23 Aug 2022 07:44 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-74I
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:52:37 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

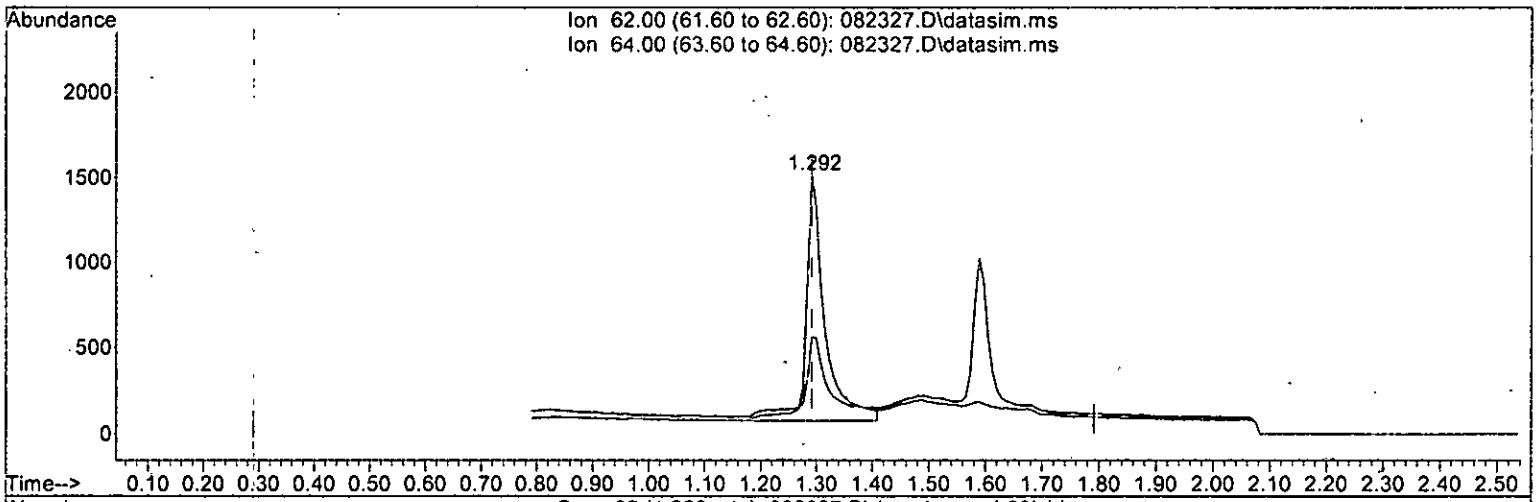


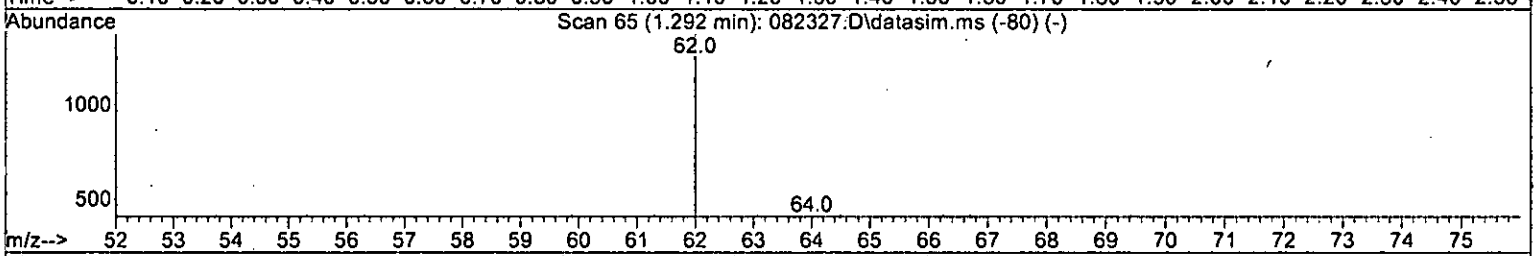


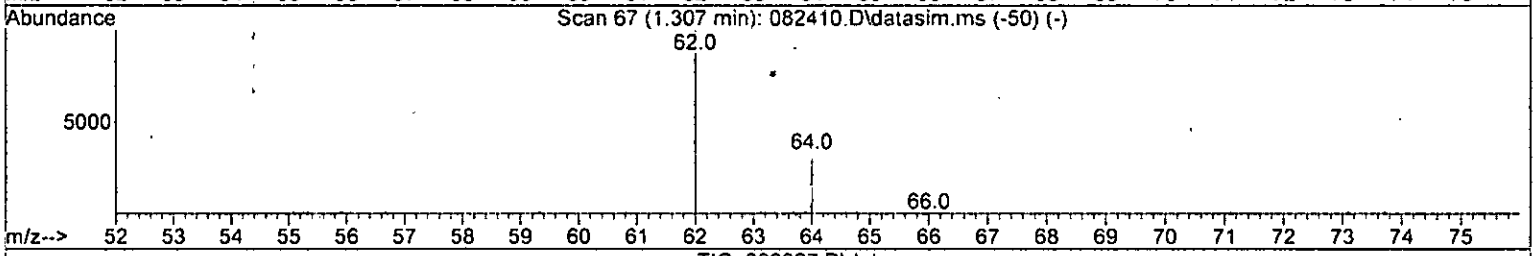
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.570 ppb

response : 3349

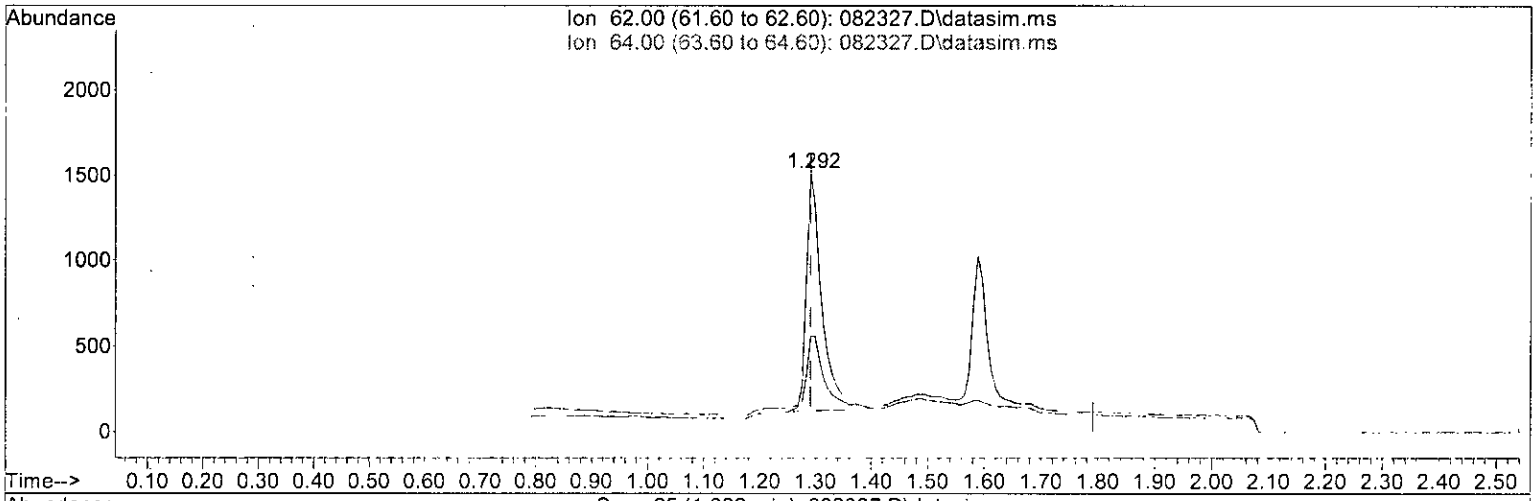
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	32.01
0.00	0.00	0.00
0.00	0.00	0.00

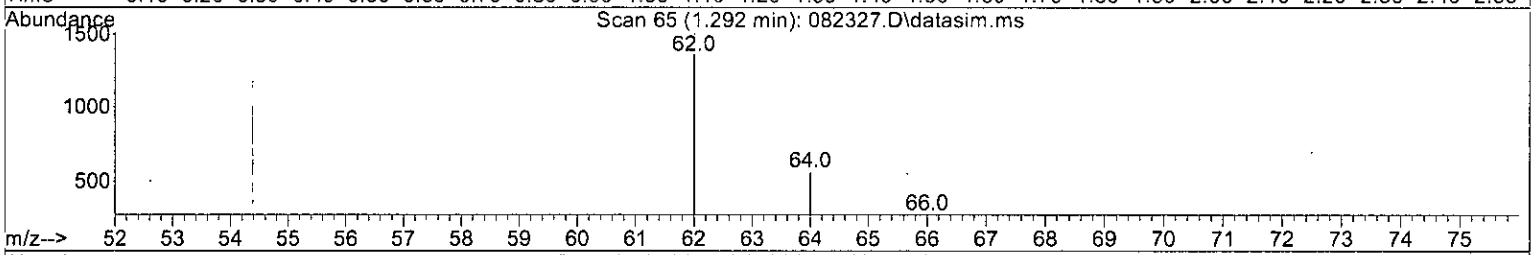
8/26 JCM

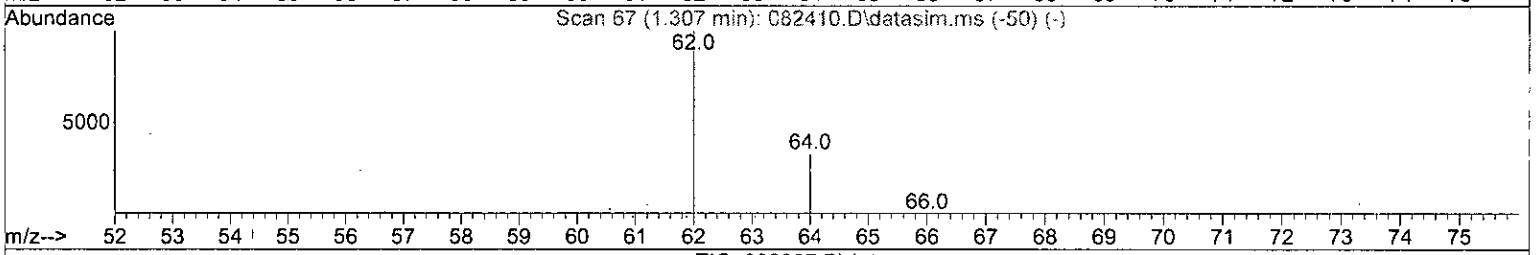
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.462 ppb m

response 2712

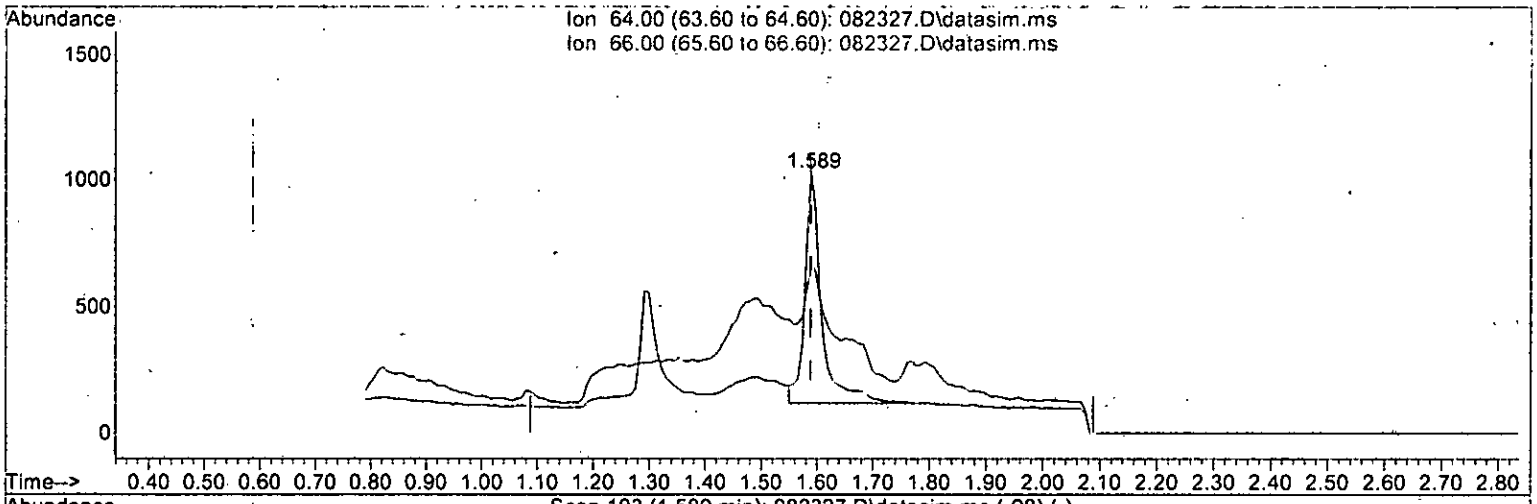
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	37.03
0.00	0.00	0.00
0.00	0.00	0.00

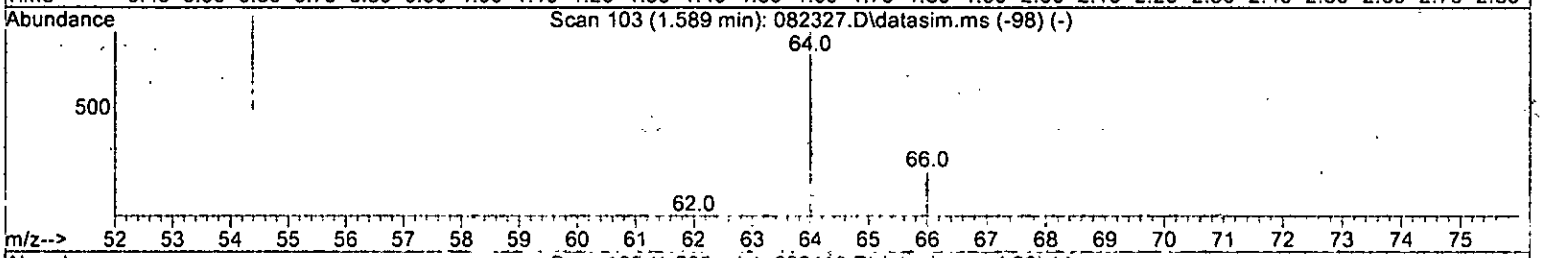
8/26 JCM

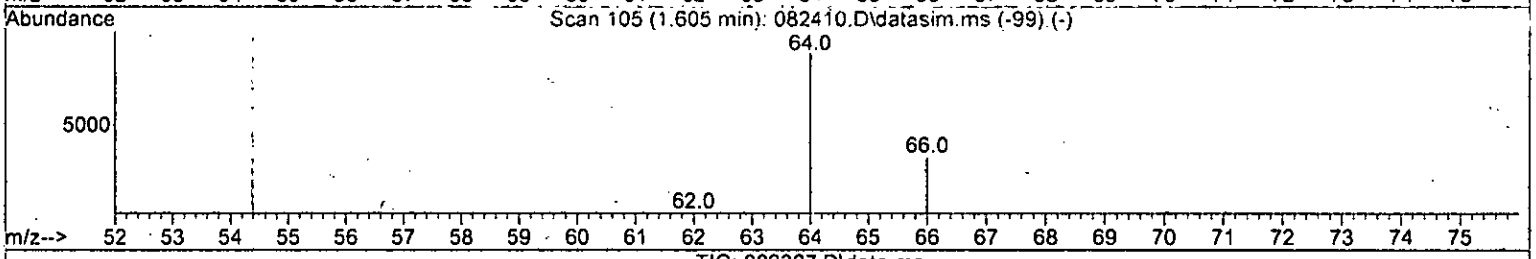
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.654 ppb

response 1930

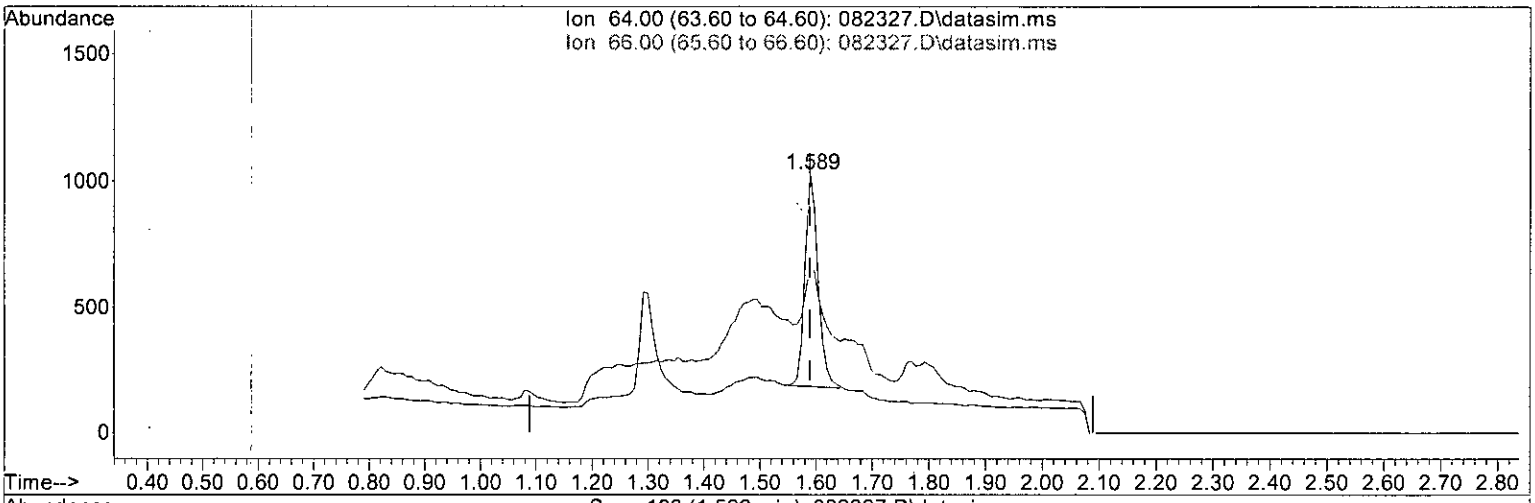
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	44.11
0.00	0.00	0.00
0.00	0.00	0.00

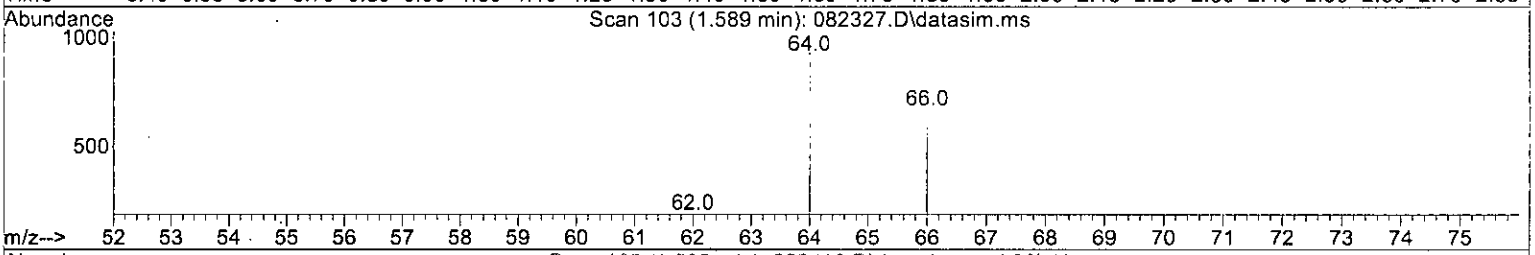
8/26 JM

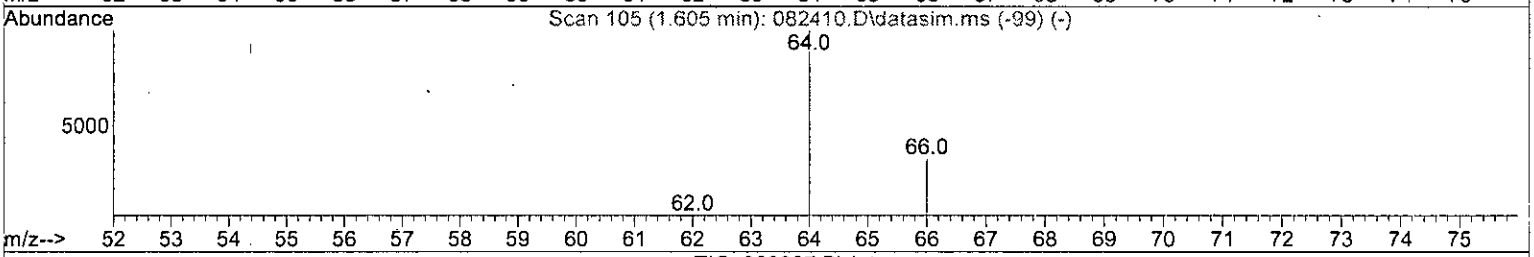
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(8) Chloroethane (TMP)

1.589min (+0.000) 0.475 ppb m

response 1403

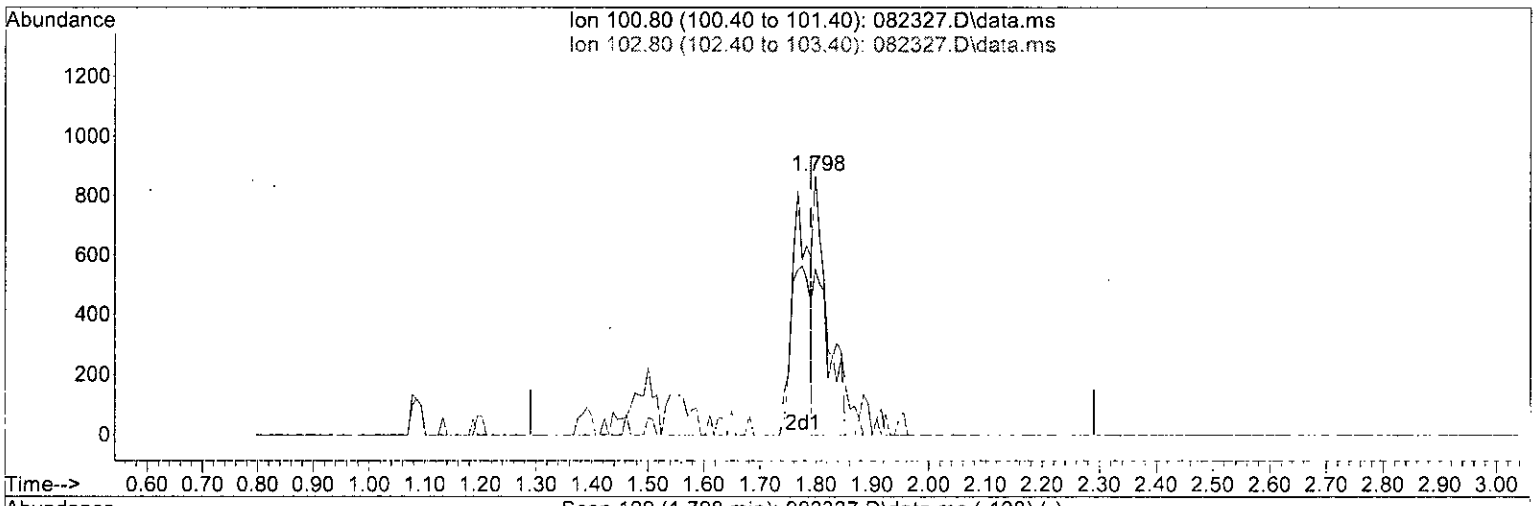
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	64.88#
0.00	0.00	0.00
0.00	0.00	0.00

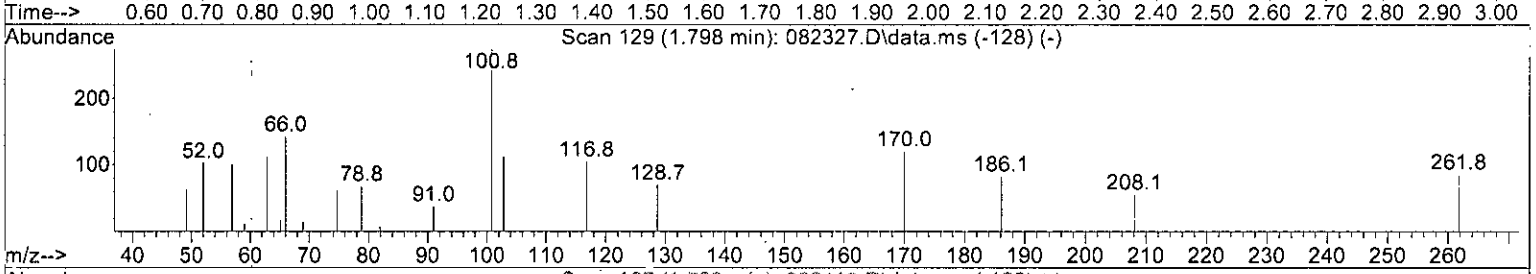
8/26 dm

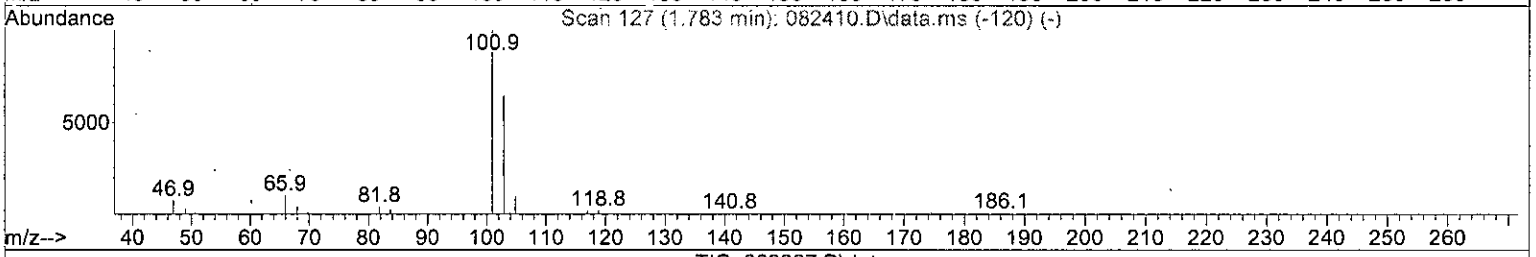
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.798min (+ 0.007) 0.226 ppb

response 1681

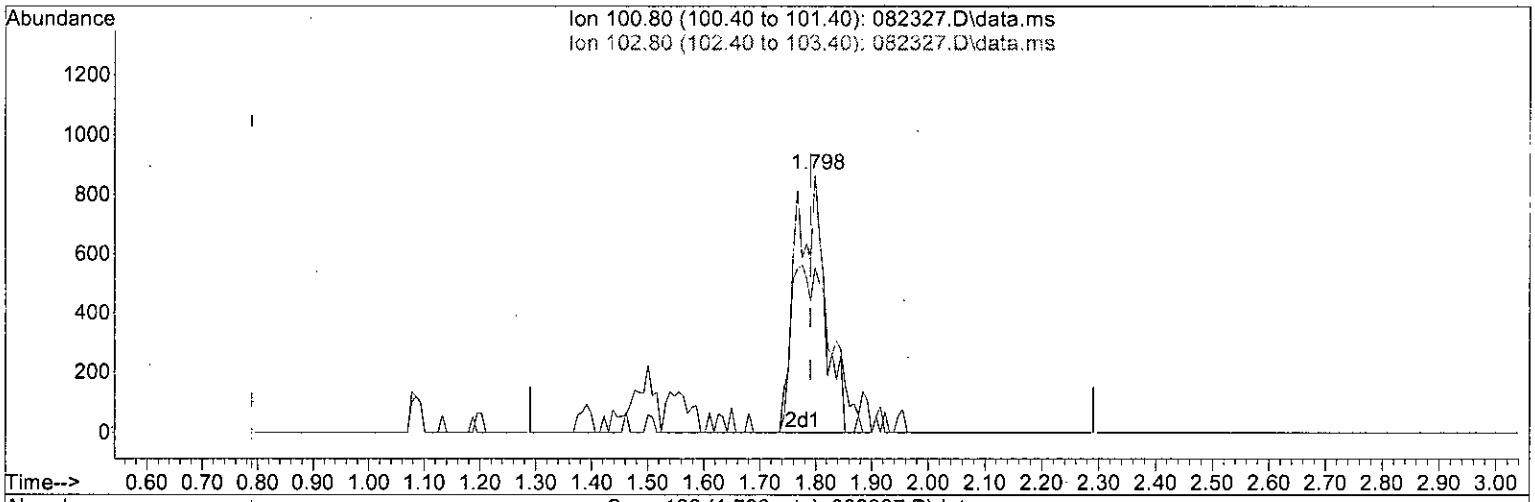
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	51.38
0.00	0.00	0.00
0.00	0.00	0.00

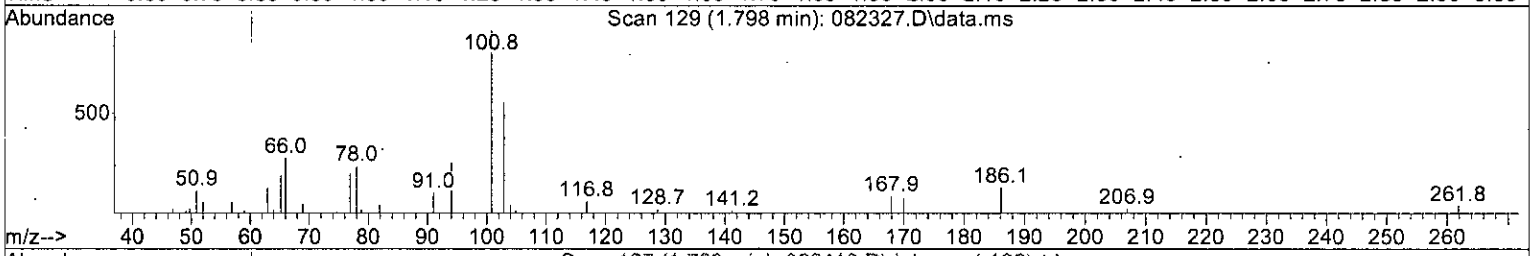
8/26 am

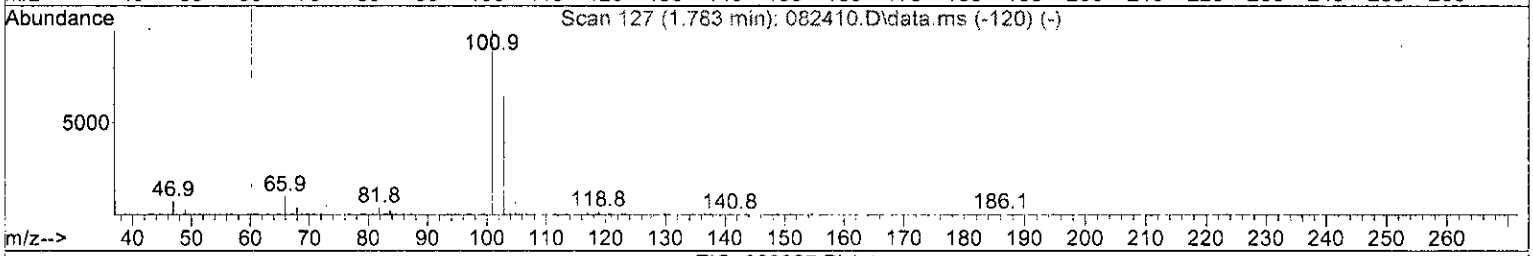
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.798min (+ 0.007) 0.446 ppb m

response 3325

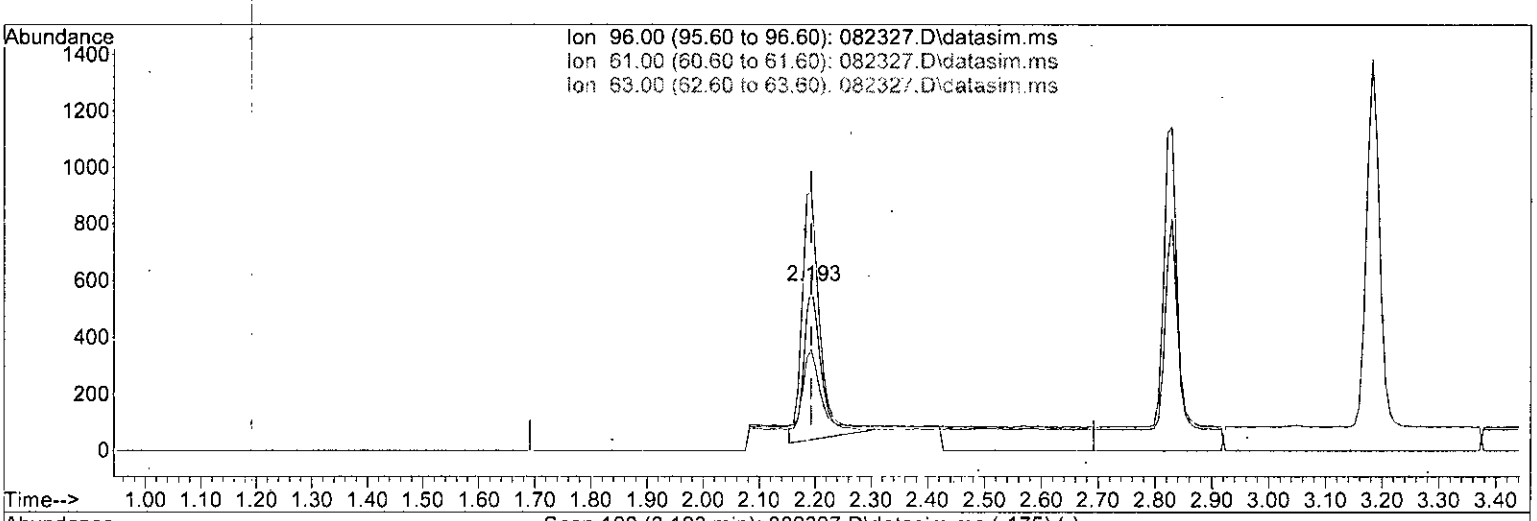
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.71
0.00	0.00	0.00
0.00	0.00	0.00

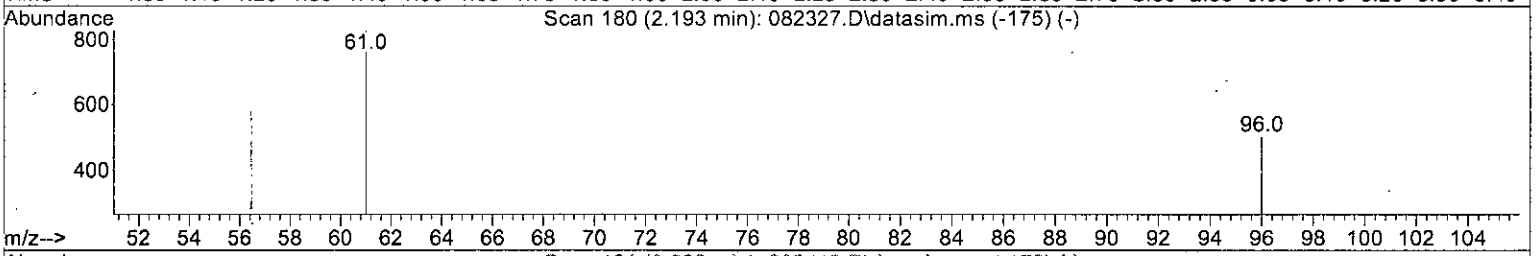
8/26 dm

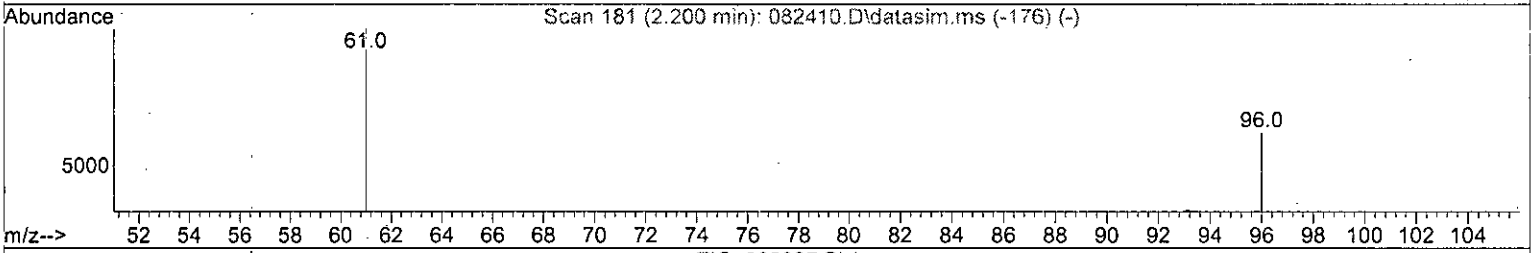
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.586 ppb

response 1208

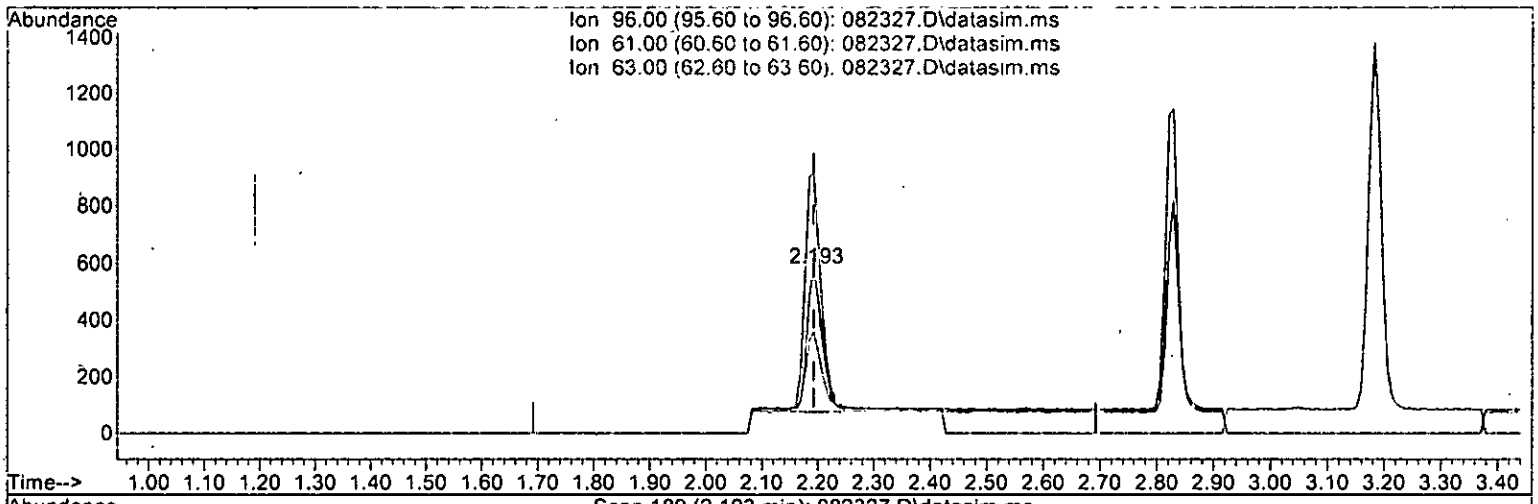
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	164.16
63.00	53.80	53.07
0.00	0.00	0.00

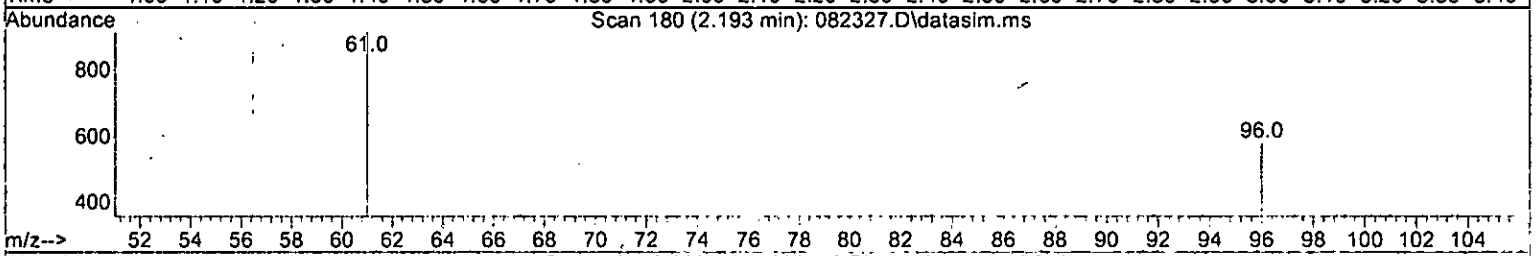
8/26 JCM

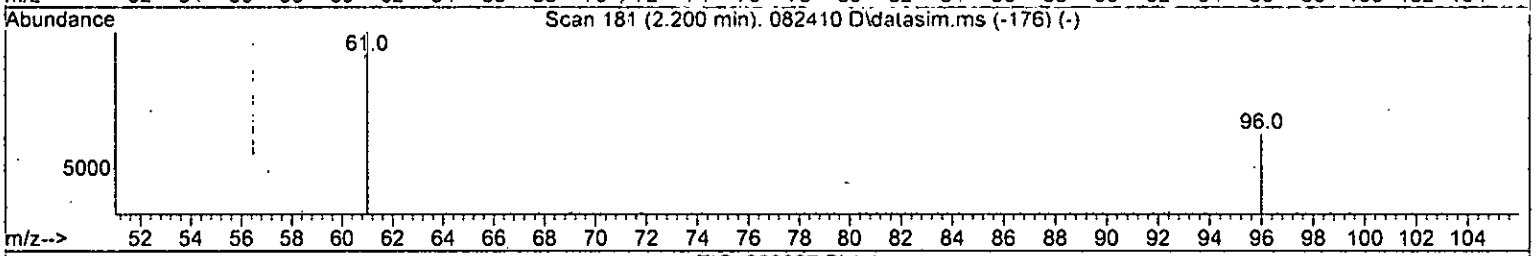
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.470 ppb m

response 969

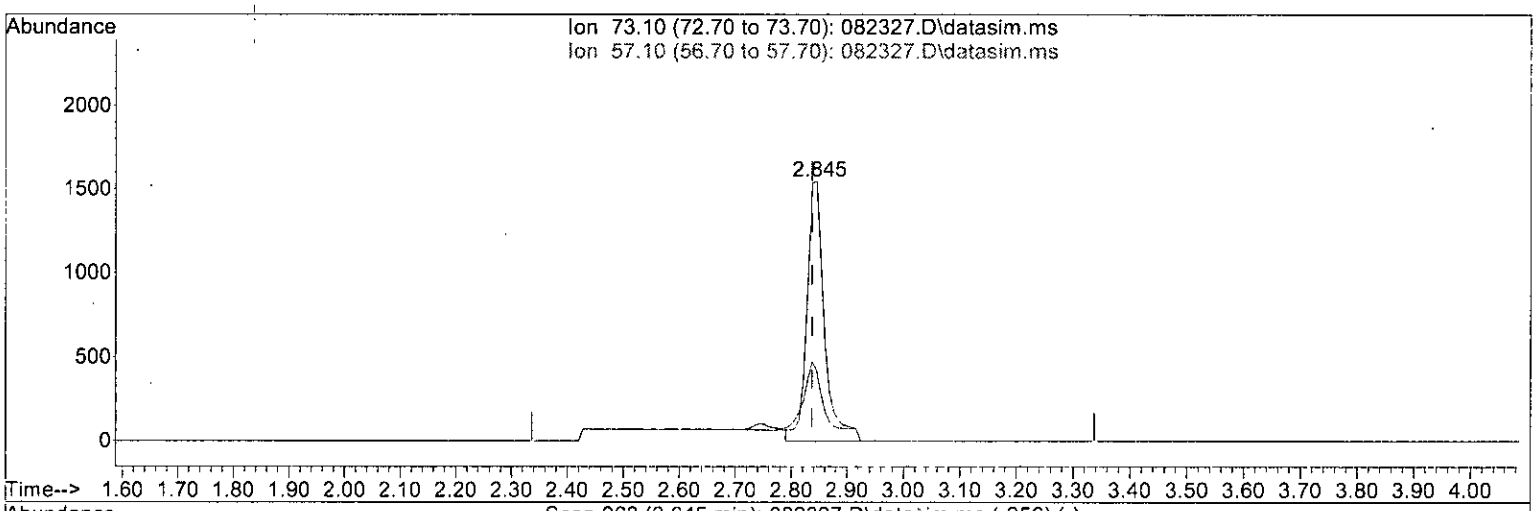
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	157.49
63.00	53.80	61.45
0.00	0.00	0.00

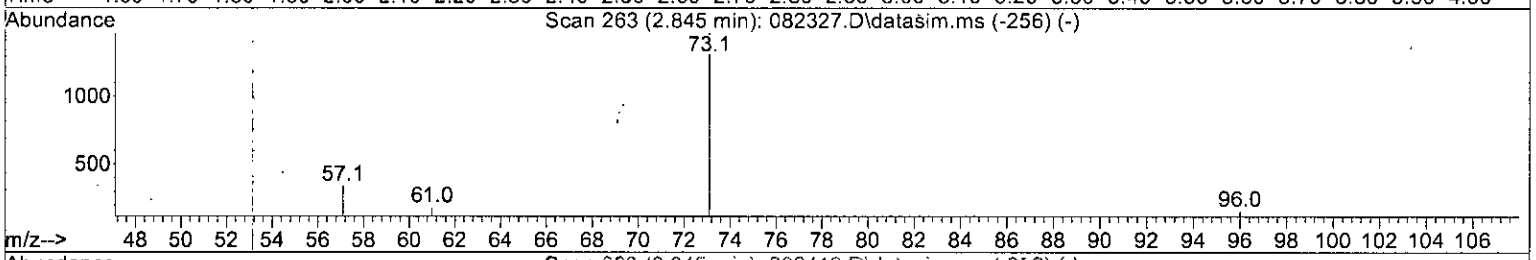
8/26 JCM

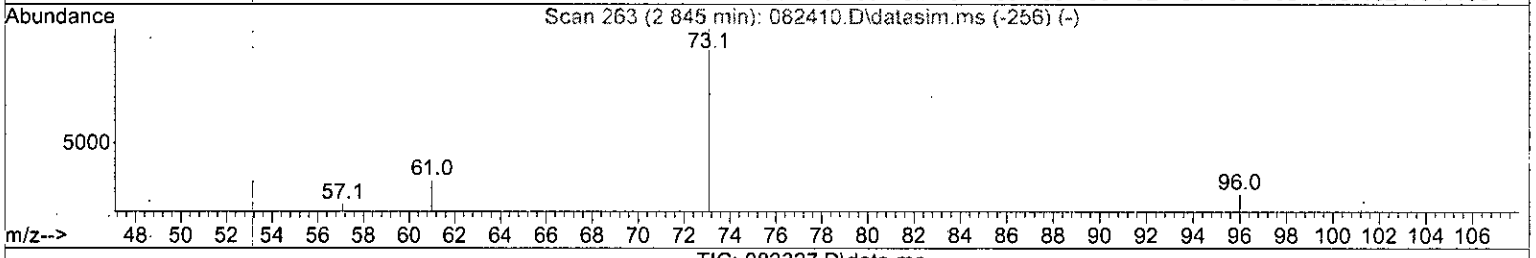
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.569 ppb

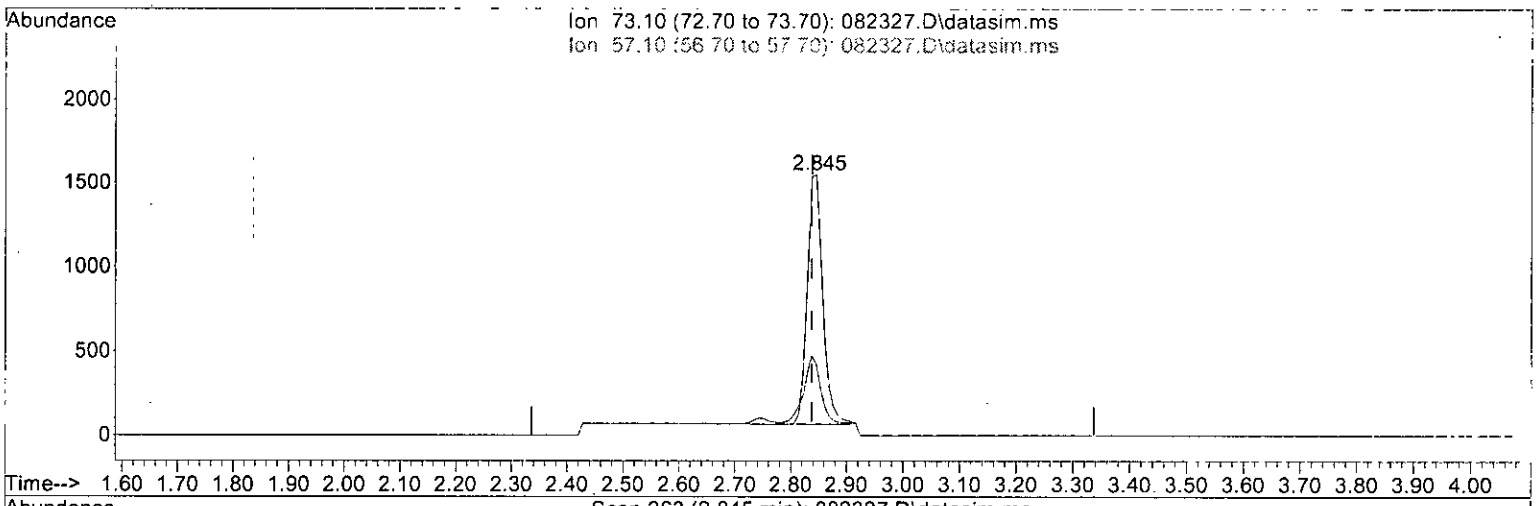
response 3415

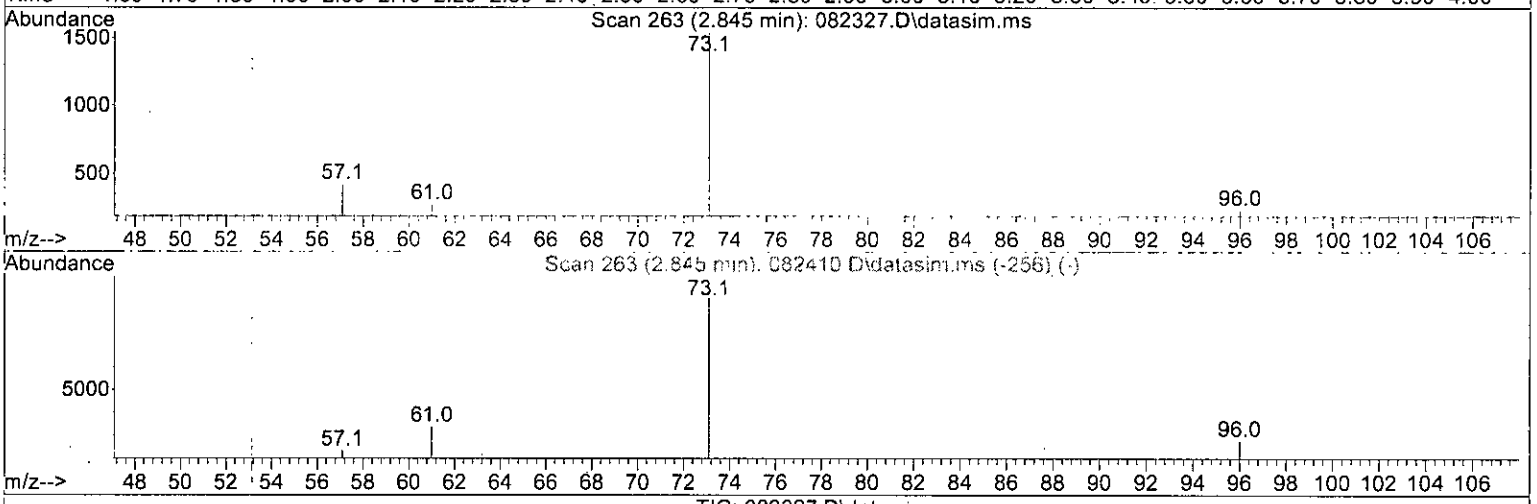
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	27.17
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JCM

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082327.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.008) 0.485 ppb m

response 2913

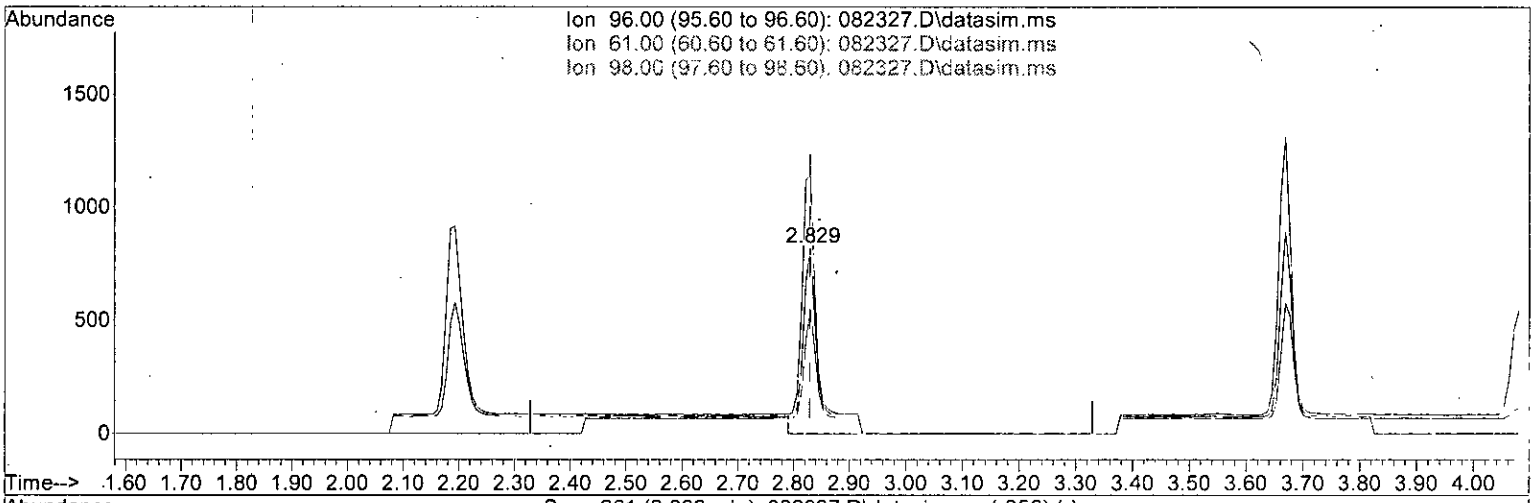
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	27.17
0.00	0.00	0.00
0.00	0.00	0.00

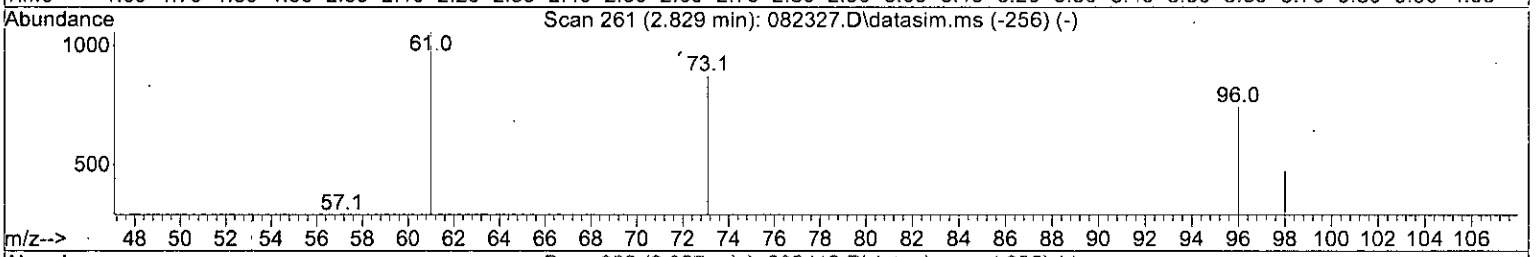
8/26 SM

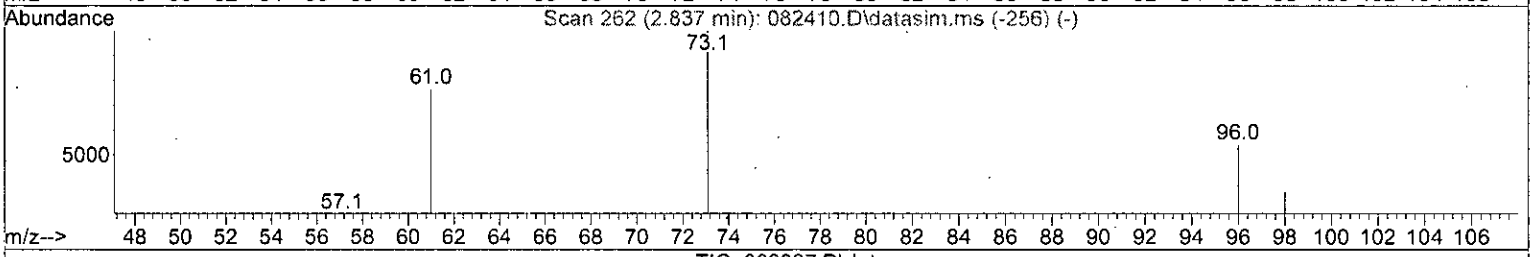
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (-0.000) 0.748 ppb

response 1655

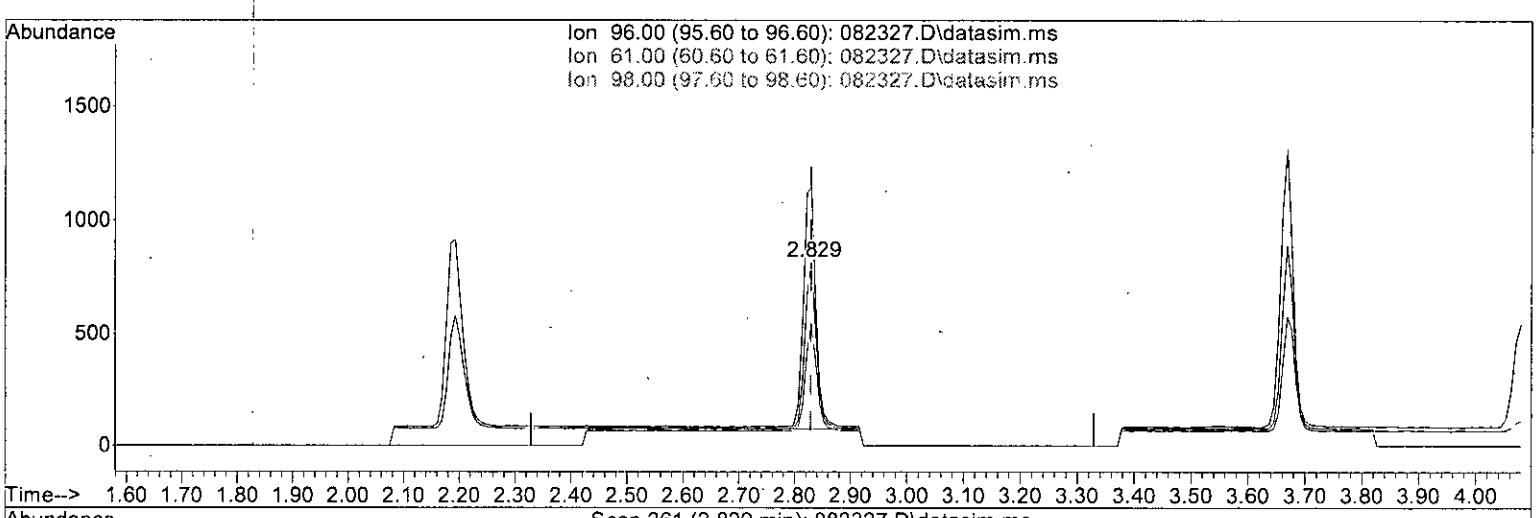
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	139.98
98.00	65.50	66.63
0.00	0.00	0.00

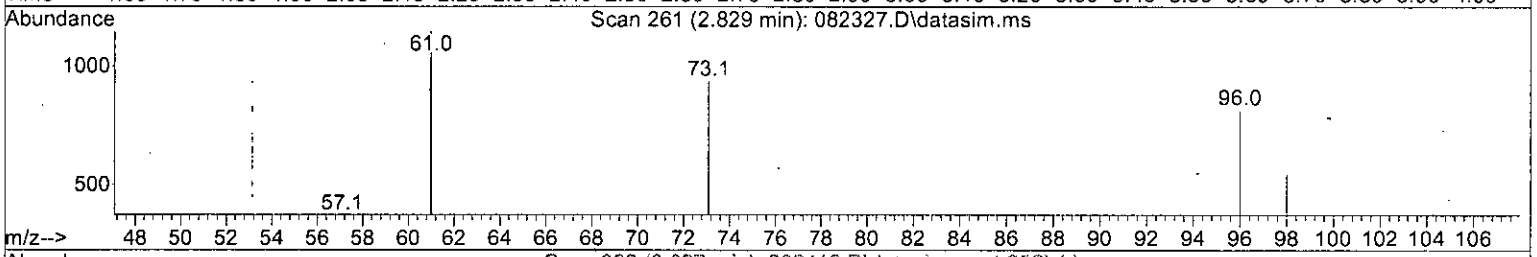
8/26 am

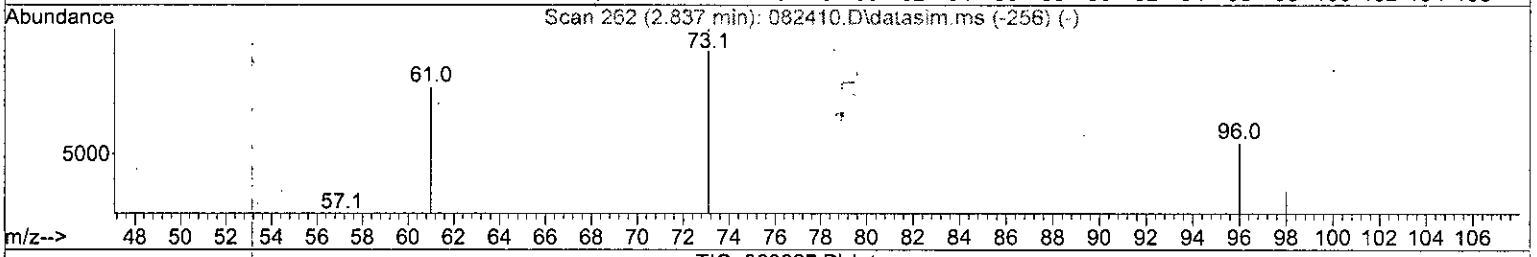
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:36 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082327.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (-0.000) 0.485 ppb m

response 1081

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	139.98
98.00	65.50	66.63
0.00	0.00	0.00

8/26 JCM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.108	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.500	0.462	7.6	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	0.500	0.475	5.0	102	0.00
9	TMP	Trichlorofluoromethane	0.500	0.446	10.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.40#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.500	0.470	6.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.61#
15	TMP	t-Butyl alcohol (TBA)	2.500	2.248	10.1	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.485	3.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.485	3.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.488	2.4	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.482	3.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.492	1.6	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.537	-7.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.490	2.0	100	0.00
23	TMP	Chloroform	0.500	0.533	-6.6	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.552	-2.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.481	3.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.490	2.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.478	4.4	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.482	3.6	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.468	6.4	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.319	-3.2	100	0.00
31	TMP	Benzene	0.500	0.488	2.4	100	0.00
32	TMP	Trichloroethene	0.500	0.485	3.0	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.513	-2.6	100	0.00
34	TMP	Bromodichloromethane	0.500	0.515	-3.0	100	0.00
35	S	Toluene-d8	10.000	10.234	-2.3	100	0.00
36	TMP	Dibromomethane	0.500	0.471	5.8	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.965	-18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.500	0.456	8.8	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.457	8.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.462	7.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.485	3.0	100	0.00
43	TMP	2-Hexanone	2.500	2.643	-5.7	100	0.01
44	TMP	1,3-Dichloropropane	0.500	0.515	-3.0	100	0.00
45	TMP	Tetrachloroethene	0.500	0.479	4.2	100	0.00
46	TMP	Dibromochloromethane	0.500	0.412	17.6	100	-0.01
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.472	5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.500	0.486	2.8	100	0.00
49	TMP	Ethylbenzene	0.500	0.483	3.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.428	14.4	100	0.00
51	TMP	m,p-Xylene	1.000	0.958	4.2	100	0.00
52	TMP	o-Xylene	0.500	0.478	4.4	100	0.00
53	TMP	Styrene	0.500	0.496	0.8	100	0.00
54	TMP	Isopropylbenzene	0.500	0.490	2.0	100	0.00
55	TMP	Bromoform	0.500	0.485	3.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.169	-1.7	100	0.00
58	TMP	n-Propylbenzene	0.500	0.504	-0.8	100	0.00
59	TMP	Bromobenzene	0.500	0.484	3.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.529	-5.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.475	5.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.528	-5.6	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.541	-8.2	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.489	2.2	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.525	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.500	0.0	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.488	2.4	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.492	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.518	-3.6	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.507	-1.4	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.504	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.500	0.556	-11.2	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.500	0.490	2.0	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.547	-9.4	100	0.00
75	TMP	Naphthalene	0.500	0.467	6.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.466	6.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.293	-1.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.900	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.816	0.753	7.7	100	0.00
7	TMP	Bromomethane	0.519	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.410	0.390	4.9	102	0.00
9	TMP	Trichlorofluoromethane	1.035	0.924	10.7	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.286	0.269	5.9	100	0.00
13	TMP	Hexane	0.461	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.702	0.000#	100.0#	0#	-2.61#
15	TMP	t-Butyl alcohol (TBA)	0.034	0.030	11.8	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.809	3.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.300	7.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.947	2.5	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.570	3.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.349	1.7	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.431	-18.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.333	5.4	100	0.00
23	TMP	Chloroform	0.551	0.588	-6.7	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.144	-10.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.750	3.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.425	11.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.487	4.3	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.372	3.6	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.387	6.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.063	-3.3	100	0.00
31	TMP	Benzene	1.180	1.105	6.4	100	0.00
32	TMP	Trichloroethene	0.330	0.305	7.6	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.307	-2.3	100	0.00
34	TMP	Bromodichloromethane	0.375	0.387	-3.2	100	0.00
35	S	Toluene-d8	1.034	1.058	-2.3	100	0.00
36	TMP	Dibromomethane	0.169	0.159	5.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.054	-20.0#	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.377	8.7	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.926	15.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.401	7.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.237	2.9	100	0.00
43	TMP	2-Hexanone	0.230	0.243	-5.7	100	0.01
44	TMP	1,3-Dichloropropane	0.447	0.460	-2.9	100	0.00
45	TMP	Tetrachloroethene	0.410	0.344	16.1	100	0.00
46	TMP	Dibromochloromethane	0.343	0.283	17.5	100	-0.01
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.291	10.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.929	2.7	100	0.00
49	TMP	Ethylbenzene	1.835	1.602	12.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.302	14.4	100	0.00
51	TMP	m,p-Xylene	0.769	0.636	17.3	100	0.00
52	TMP	o-Xylene	0.707	0.614	13.2	100	0.00
53	TMP	Styrene	1.019	1.011	0.8	100	0.00
54	TMP	Isopropylbenzene	1.597	1.565	2.0	100	0.00
55	TMP	Bromoform	0.228	0.192	15.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.849	-1.7	100	0.00
58	TMP	n-Propylbenzene	3.173	3.200	-0.9	100	0.00
59	TMP	Bromobenzene	0.796	0.770	3.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.485	-5.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.619	5.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.515	-5.7	100	0.00
63	TMP	2-Chlorotoluene	1.923	2.082	-8.3	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.140	2.3	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.164	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.412	-0.1	100	0.00
67	TMP	sec-Butylbenzene	3.038	2.963	2.5	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.585	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.545	-3.5	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.525	-1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.480	-0.9	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.131	-11.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.072	2.0	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.682	-9.5	100	0.00
75	TMP	Naphthalene	2.138	1.997	6.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.915	6.9	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	71985	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	64937	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	35085	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	21070	10.108	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%				
30) 1,2-Dichloroethane-d4	4.36	102	4505	10.319	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 103.20%				
35) Toluene-d8	5.98	98	76171	10.234	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.30%				
57) 4-Bromofluorobenzene	8.38	95	29777	10.169	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.70%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	2712m	0.462	ppb		
7) Bromomethane	0.00		0	N.D.			
8] Chloroethane	1.59	64	1403m	0.475	ppb		
9) Trichlorofluoromethane	1.80	101	3325m	0.446	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	969m	0.470	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.75	59	548	2.248	ppb		38
16] Methyl t-butyl ether (...	2.85	73	2913m	0.485	ppb		
17] trans-1,2-Dichloroethene	2.83	96	1081m	0.485	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	3408	0.488	ppb		94
19] 1,1-Dichloroethane	3.18	63	2052	0.482	ppb		100
20) Ethyl t-butyl ether (E...	3.55	87	1256	0.492	ppb		94
21) 2,2-Dichloropropane	3.67	77	1551	0.537	ppb		78
22] cis-1,2-Dichloroethene	3.67	96	1200	0.490	ppb		99
23) Chloroform	3.95	83	2115	0.533	ppb		85
24) 2-Butanone (MEK)	3.71	43	2587	2.552	ppb		91
25) t-Amyl methyl ether (T...	4.50	73	2699	0.481	ppb		93
26] 1,2-Dichloroethane (EDC)	4.42	62	1529	0.490	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	1752	0.478	ppb		98
28) 1,1-Dichloropropene	4.22	75	1339	0.482	ppb		98
29) Carbon tetrachloride	4.21	117	1394	0.468	ppb		82
31] Benzene	4.39	78	3978	0.488	ppb		97
32] Trichloroethene	4.93	95	1097	0.485	ppb		85
33) 1,2-Dichloropropane	5.14	63	1106	0.513	ppb	#	87
34) Bromodichloromethane	5.37	83	1392	0.515	ppb		71
36) Dibromomethane	5.23	93	573	0.471	ppb		81
37) 4-Methyl-2-pentanone	5.91	85	967	2.965	ppb	#	77
38) cis-1,3-Dichloropropene	5.76	75	1356	0.456	ppb		97
40] Toluene	6.04	92	3008	0.457	ppb		93
41) trans-1,3-Dichloropropene	6.25	75	1301	0.462	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

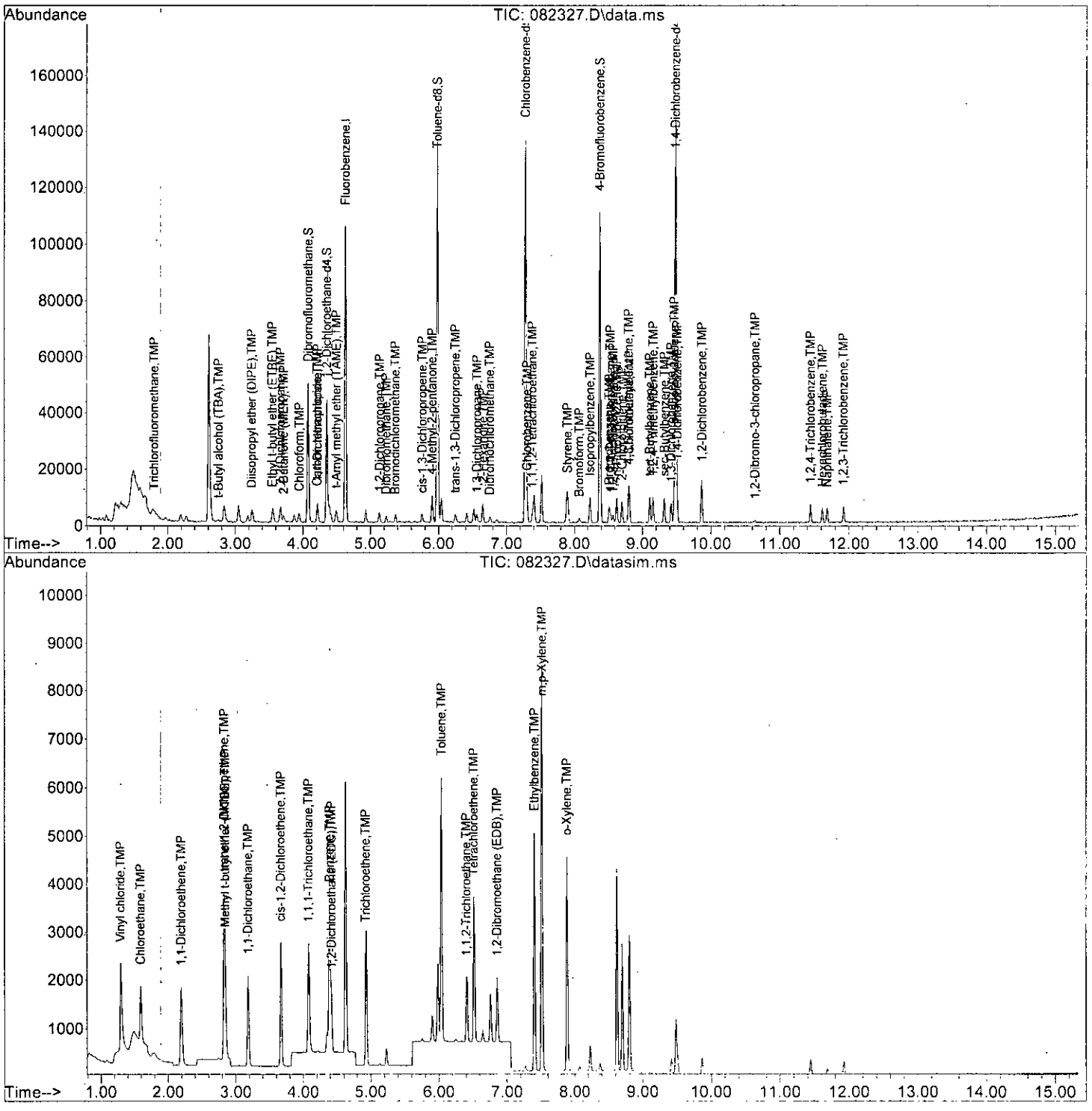
Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	768	0.485	ppb		94
43) 2-Hexanone	6.65	43	3949	2.643	ppb		88
44) 1,3-Dichloropropane	6.57	76	1493	0.515	ppb		94
45] Tetrachloroethene	6.51	164	1118	0.479	ppb		96
46) Dibromochloromethane	6.75	129	919	0.412	ppb		86
47] 1,2-Dibromoethane (EDB)	6.85	107	945	0.472	ppb		98
48) Chlorobenzene	7.30	112	3015	0.486	ppb		96
49] Ethylbenzene	7.41	91	5203	0.483	ppb		87
50) 1,1,1,2-Tetrachloroethane	7.38	131	981	0.428	ppb		83
51] m,p-Xylene	7.52	106	4127	0.958	ppb		95
52] o-Xylene	7.88	106	1992	0.478	ppb		95
53) Styrene	7.90	104	3284	0.496	ppb		99
54) Isopropylbenzene	8.23	105	5080	0.490	ppb		96
55) Bromoform	8.07	173	623	0.485	ppb		94
58) n-Propylbenzene	8.63	91	5613	0.504	ppb		99
59) Bromobenzene	8.52	156	1351	0.484	ppb		93
60) 1,3,5-Trimethylbenzene	8.80	105	4359	0.529	ppb		95
61) 1,1,2,2-Tetrachloroethane	8.53	83	1086	0.475	ppb		92
62) 1,2,3-Trichloropropane	8.57	75	903	0.528	ppb		83
63) 2-Chlorotoluene	8.70	91	3652	0.541	ppb		92
64) 4-Chlorotoluene	8.81	91	3754	0.489	ppb		90
65) tert-Butylbenzene	9.11	119	3797	0.525	ppb		91
66) 1,2,4-Trimethylbenzene	9.16	105	4231	0.500	ppb		90
67) sec-Butylbenzene	9.32	105	5197	0.488	ppb		98
68) p-Isopropyltoluene	9.47	119	4535	0.492	ppb		96
69) 1,3-Dichlorobenzene	9.42	146	2711	0.518	ppb		78
70) 1,4-Dichlorobenzene	9.51	146	2675	0.507	ppb		95
71) 1,2-Dichlorobenzene	9.87	146	2596	0.504	ppb		93
72) 1,2-Dibromo-3-chloropr...	10.64	75	230	0.556	ppb	#	63
73) 1,2,4-Trichlorobenzene	11.44	180	1881	0.490	ppb		97
74) Hexachlorobutadiene	11.61	225	1196	0.547	ppb		92
75) Naphthalene	11.69	128	3503	0.467	ppb		93
76) 1,2,3-Trichlorobenzene	11.92	180	1606	0.466	ppb		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082327.D
Acq On : 23 Aug 2022 08:06 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-74J
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

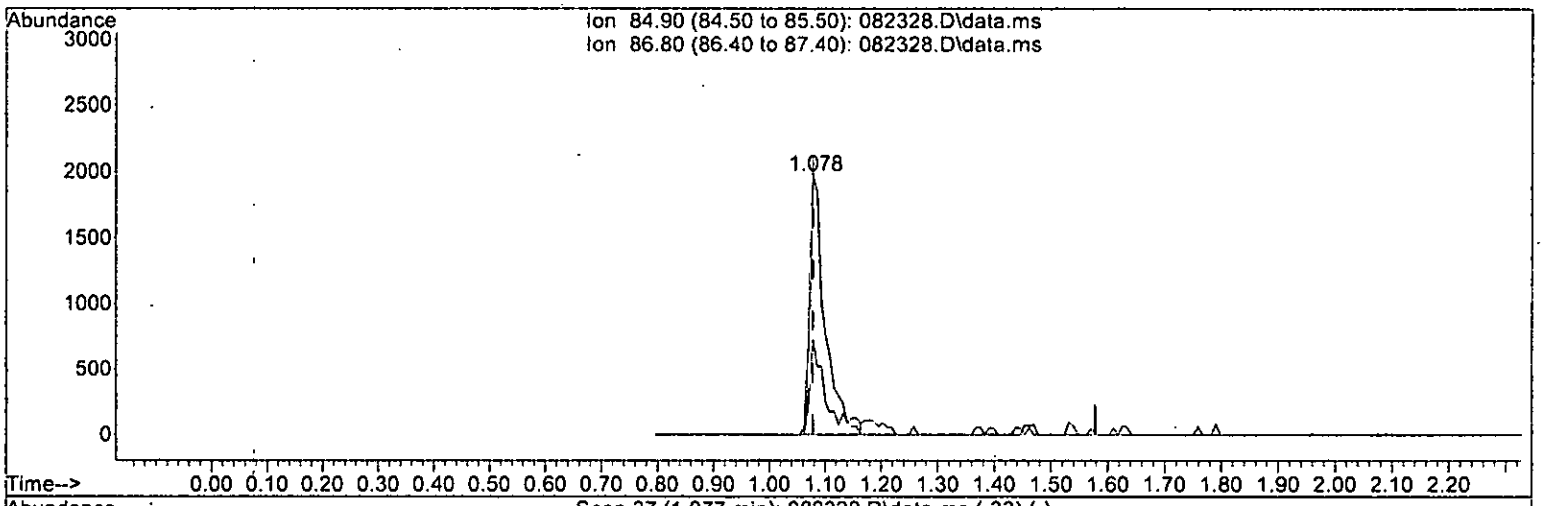
Quant Time: Aug 26 19:54:19 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

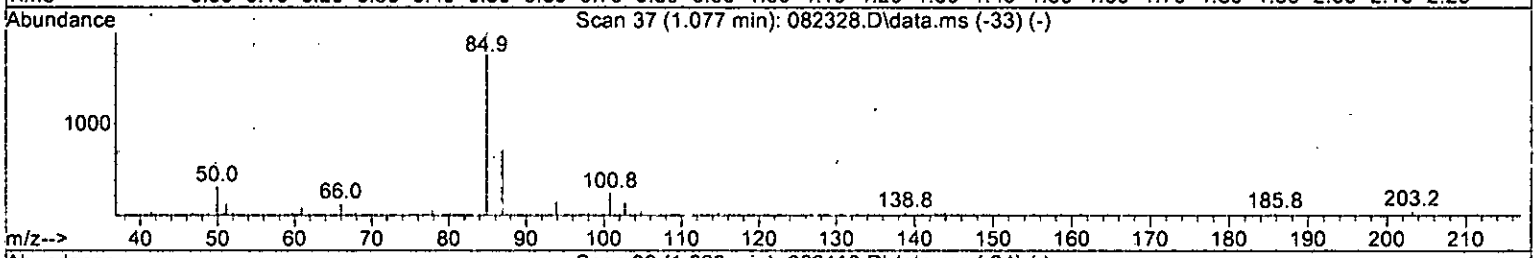


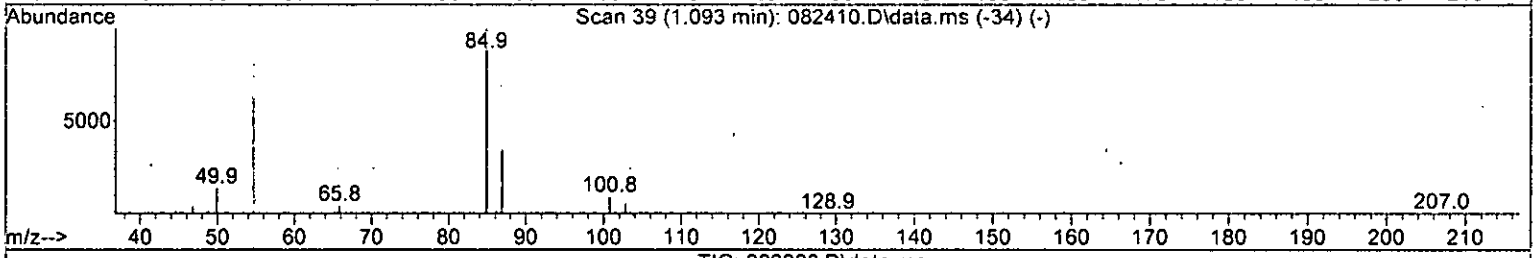
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.077min (-0.001) 0.720 ppb

response 3869

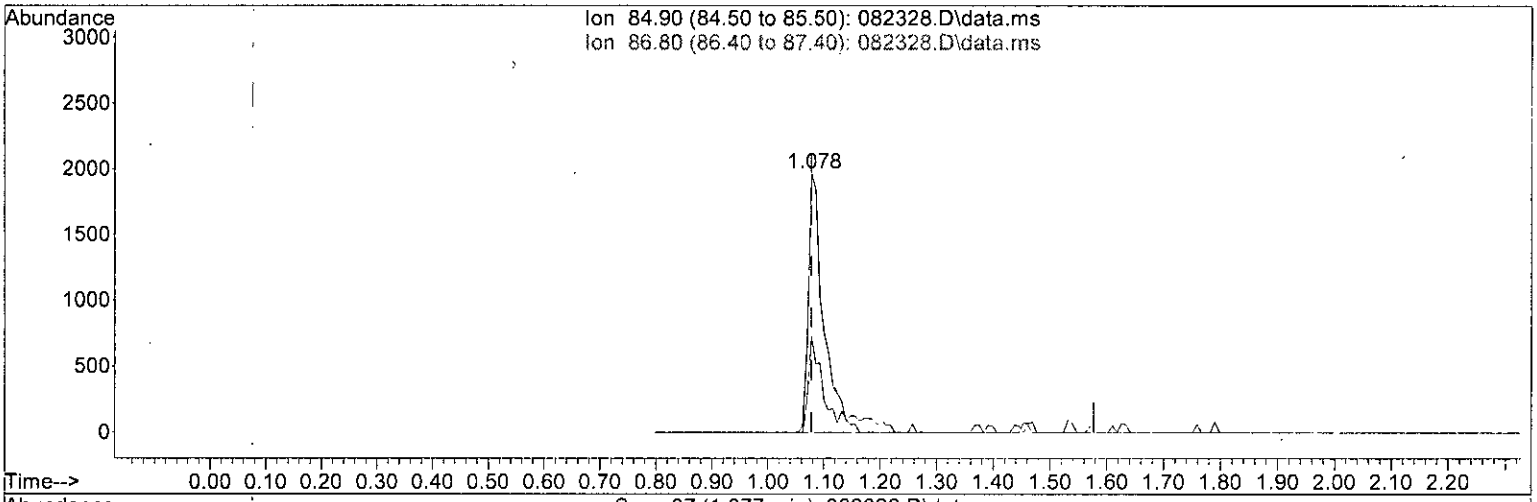
Ion	Exp%	Act%
84.90	100.00	100.00
86.80	33.50	37.14
0.00	0.00	0.00
0.00	0.00	0.00

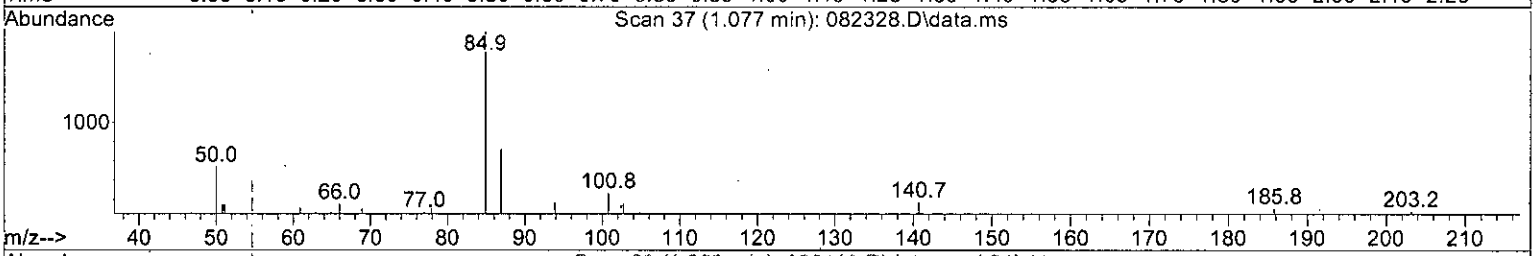
8/26 JM

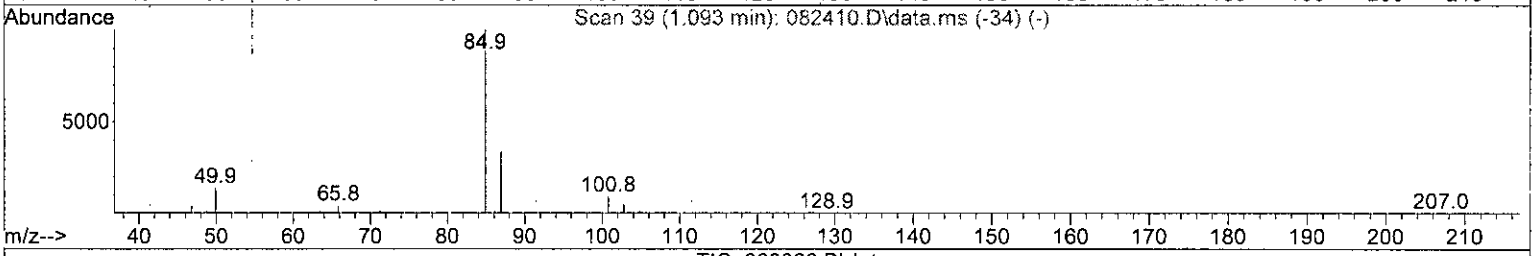
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.077min (-0.001) 0.771 ppb m

response 4142

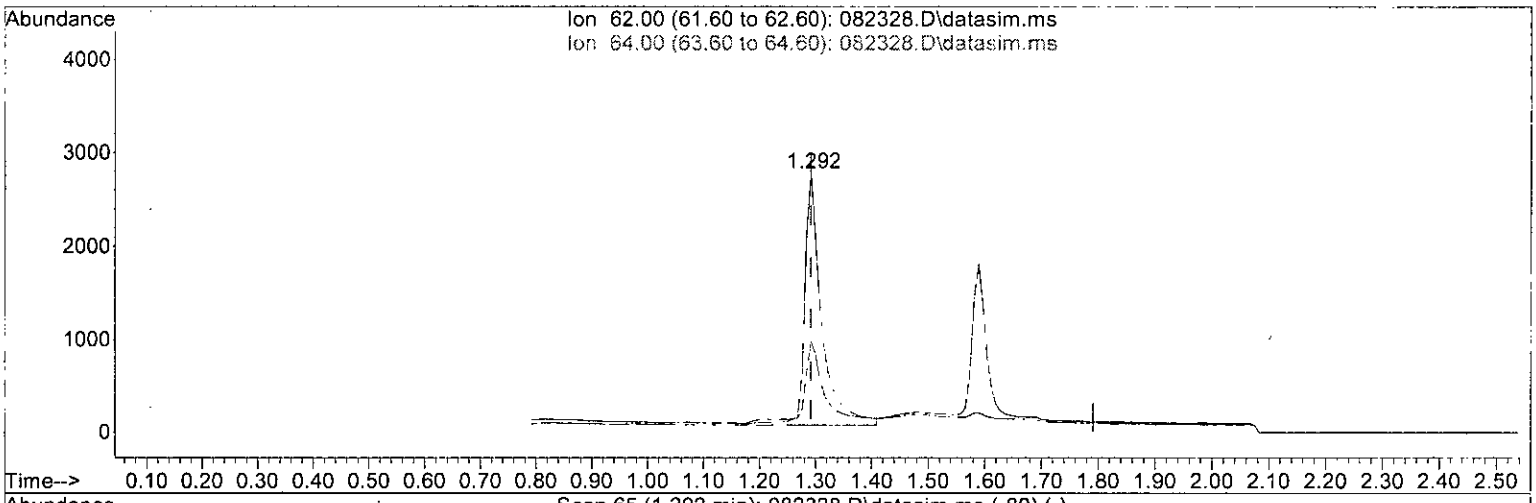
Ion	Exp%	Act%
84.90	100.00	100.00
86.80	33.50	37.14
0.00	0.00	0.00
0.00	0.00	0.00

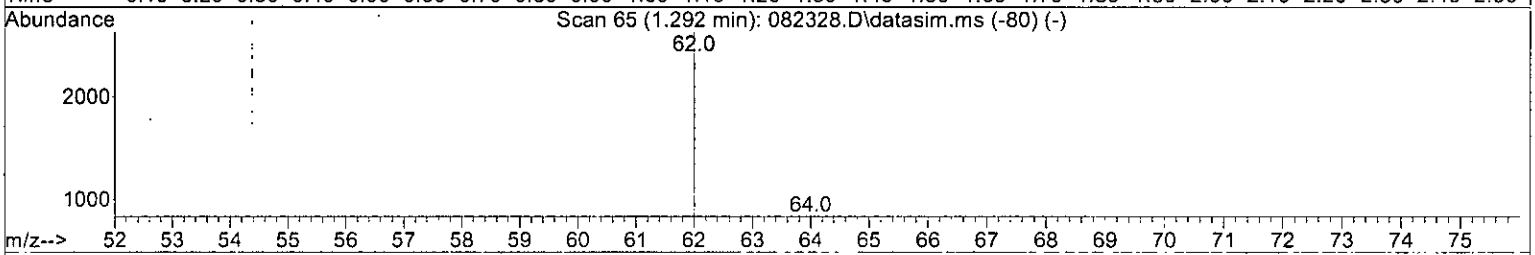
8/26 JCM

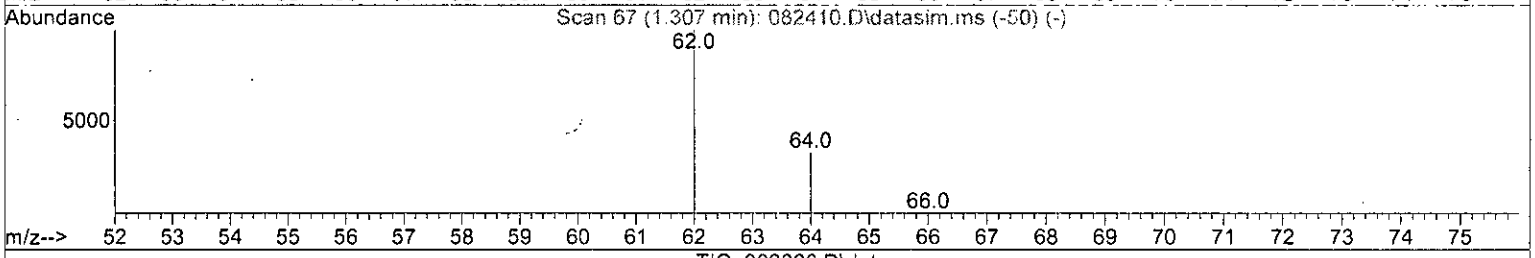
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 1.011 ppb

response 5828

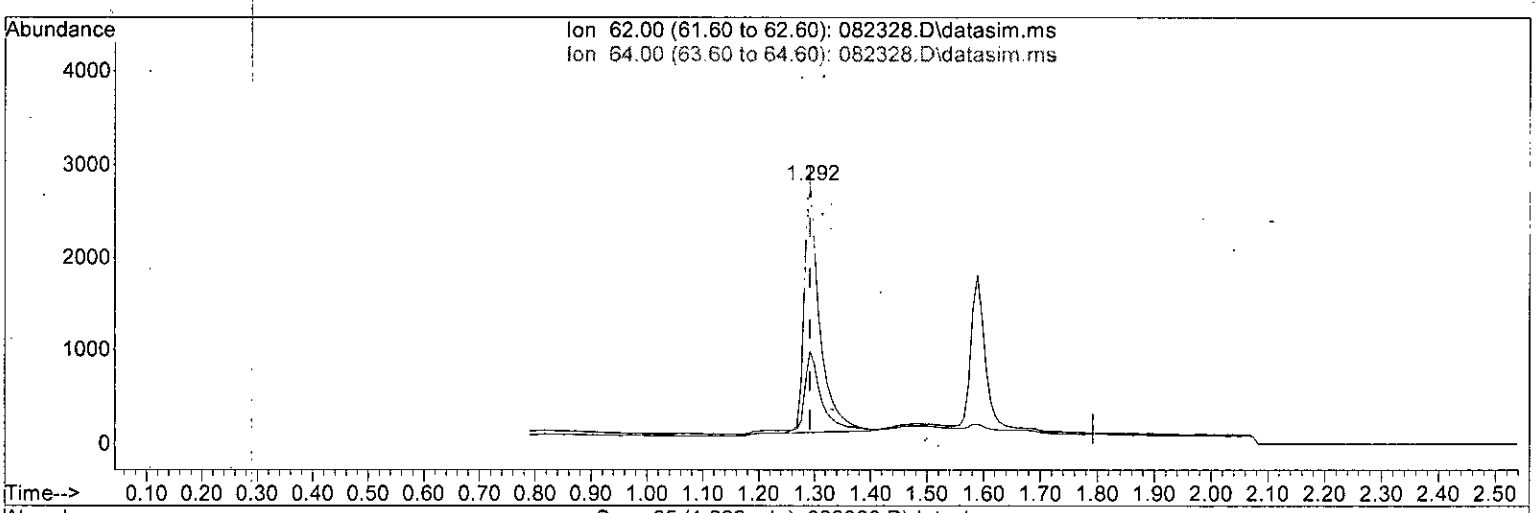
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	32.93
0.00	0.00	0.00
0.00	0.00	0.00

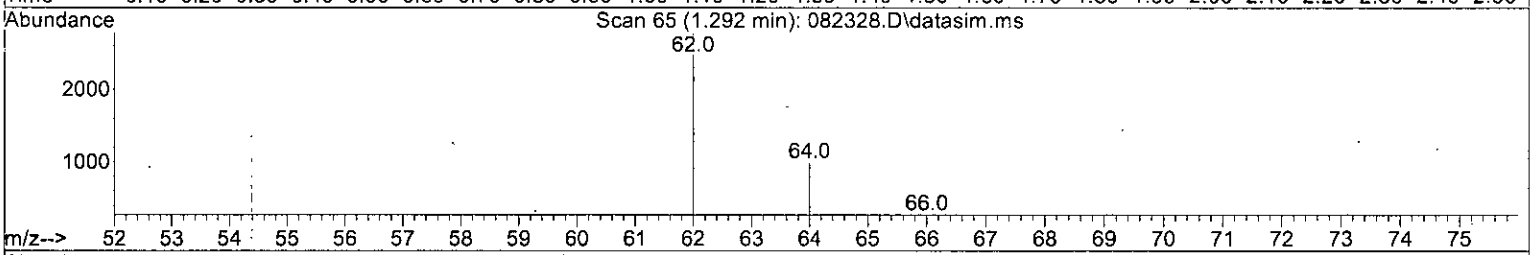
8/26 JCM

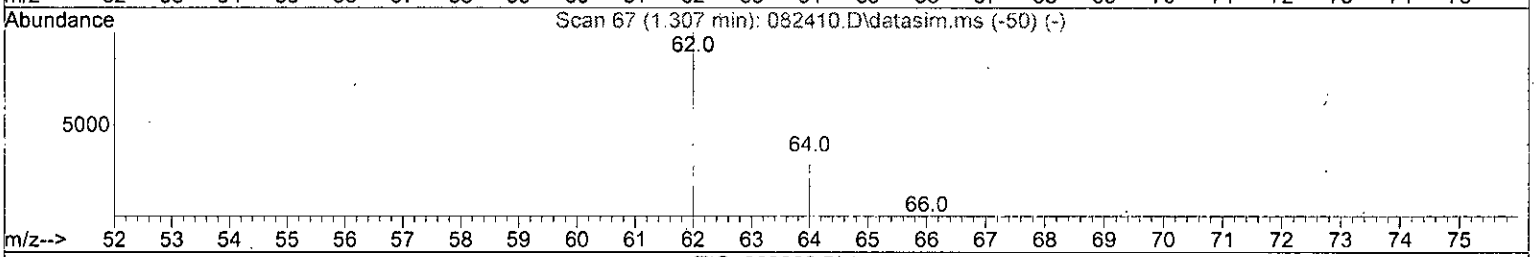
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.909 ppb m

response 5237

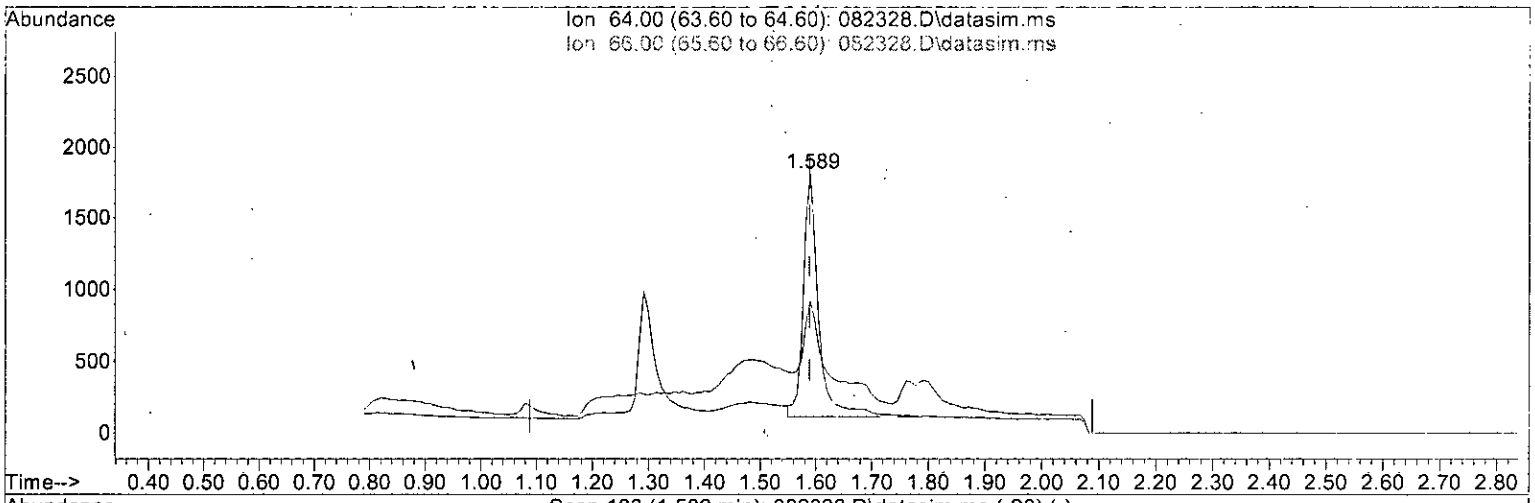
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	35.60
0.00	0.00	0.00
0.00	0.00	0.00

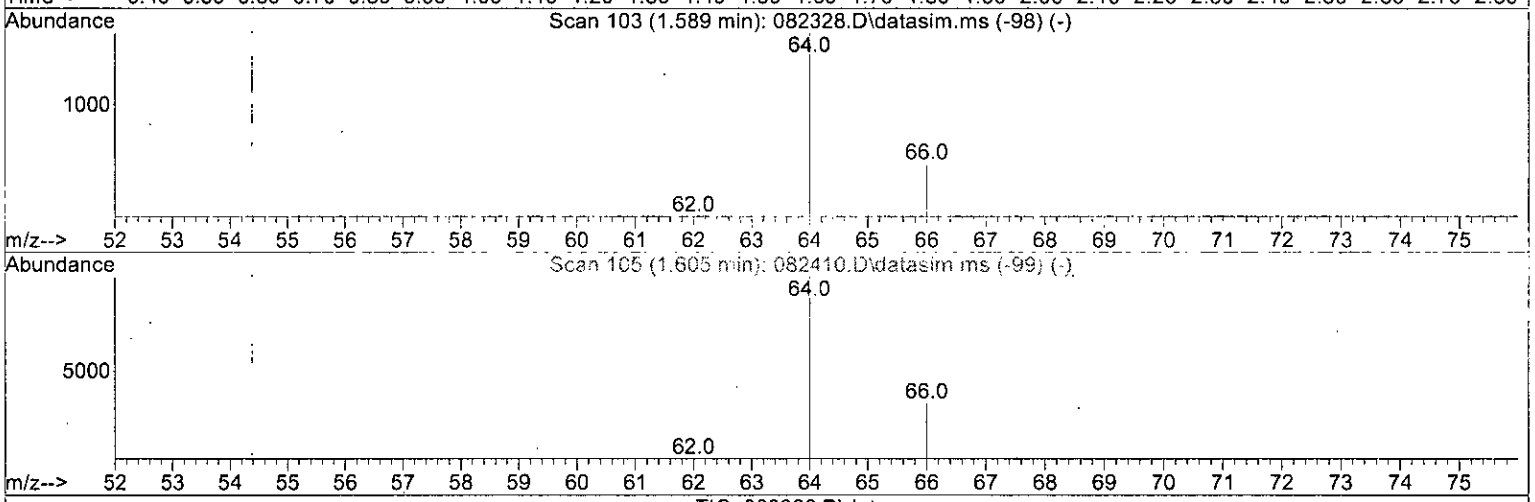
8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082328.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 1.139 ppb

response 3298

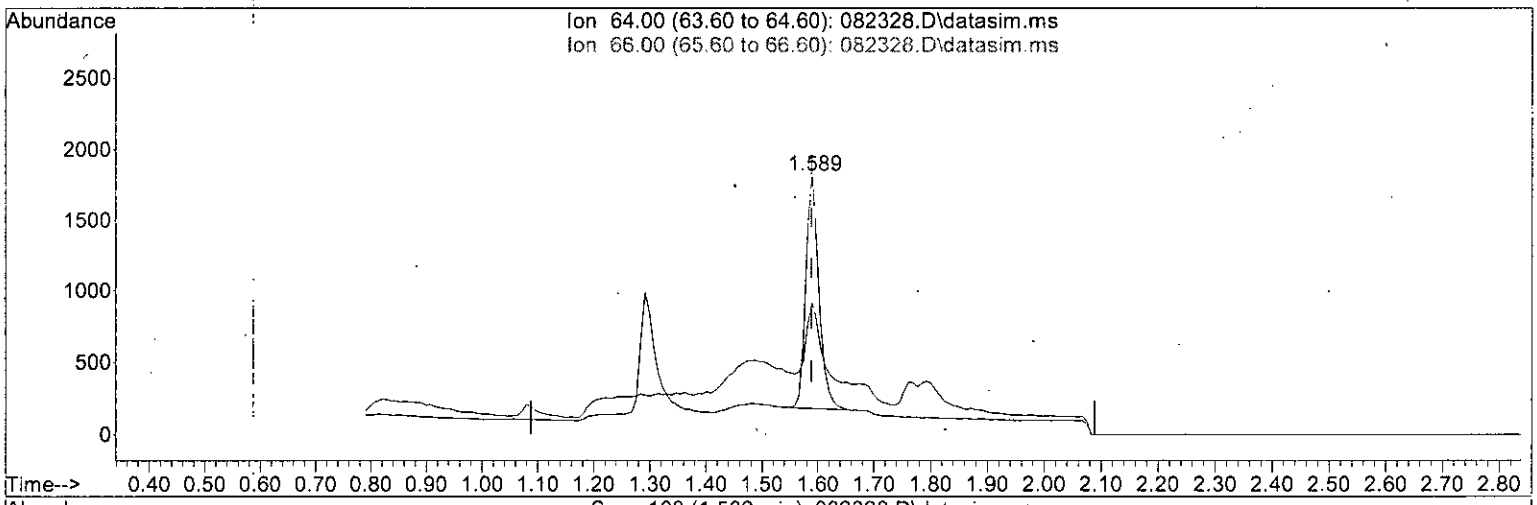
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	32.86
0.00	0.00	0.00
0.00	0.00	0.00

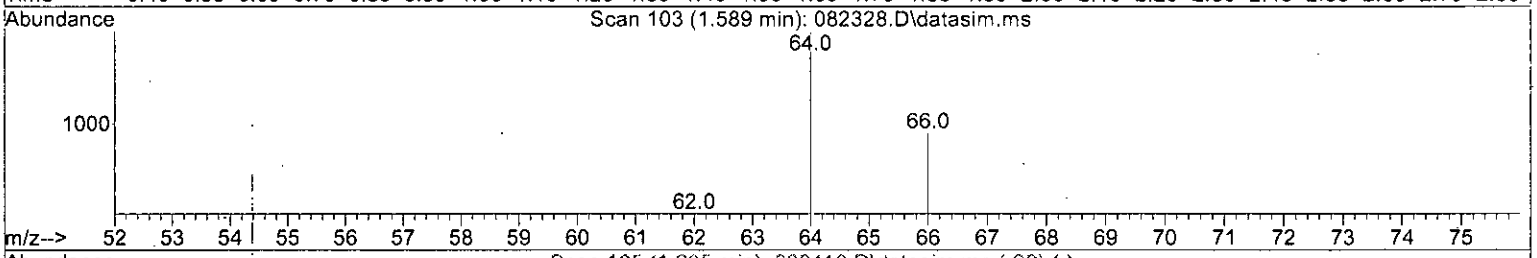
8/26 JCM

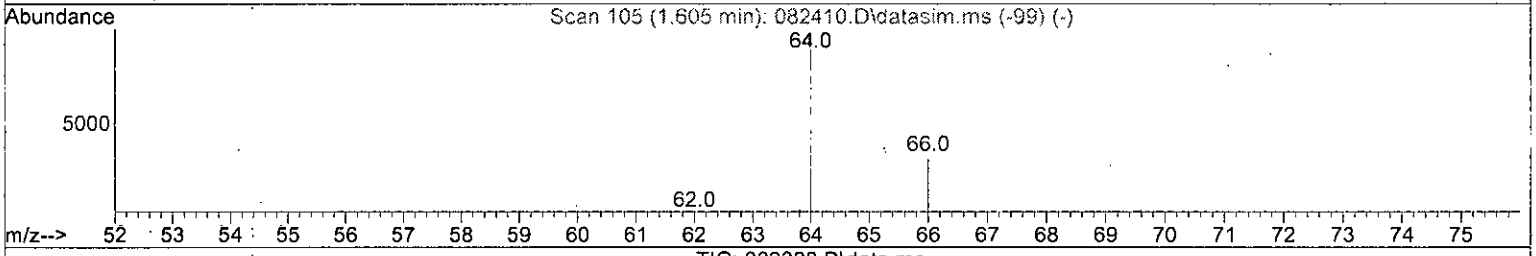
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.930 ppb m

response 2692

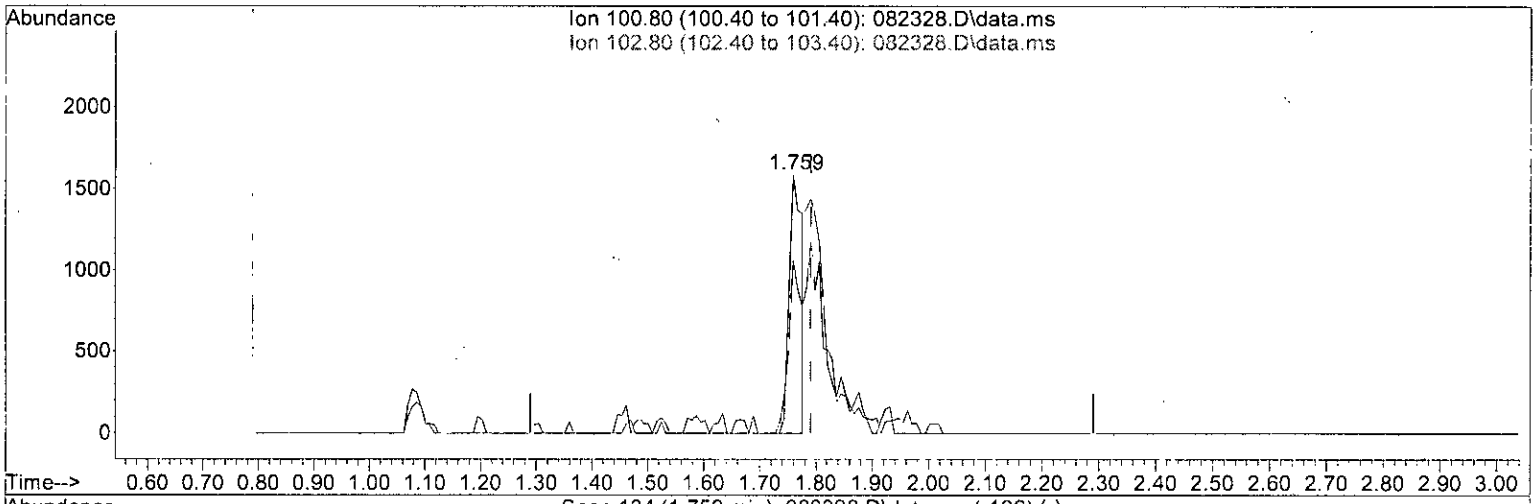
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	50.50
0.00	0.00	0.00
0.00	0.00	0.00

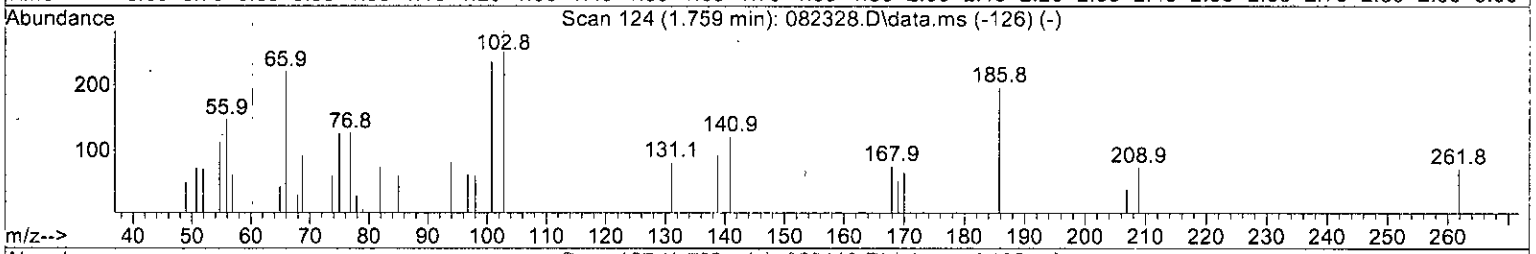
8/26 JCM

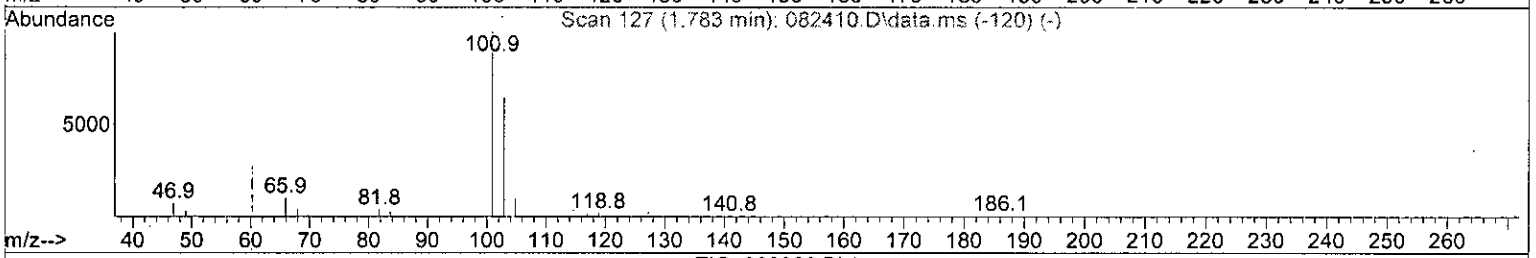
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.759min (-0.032) 0.334 ppb

response 2439

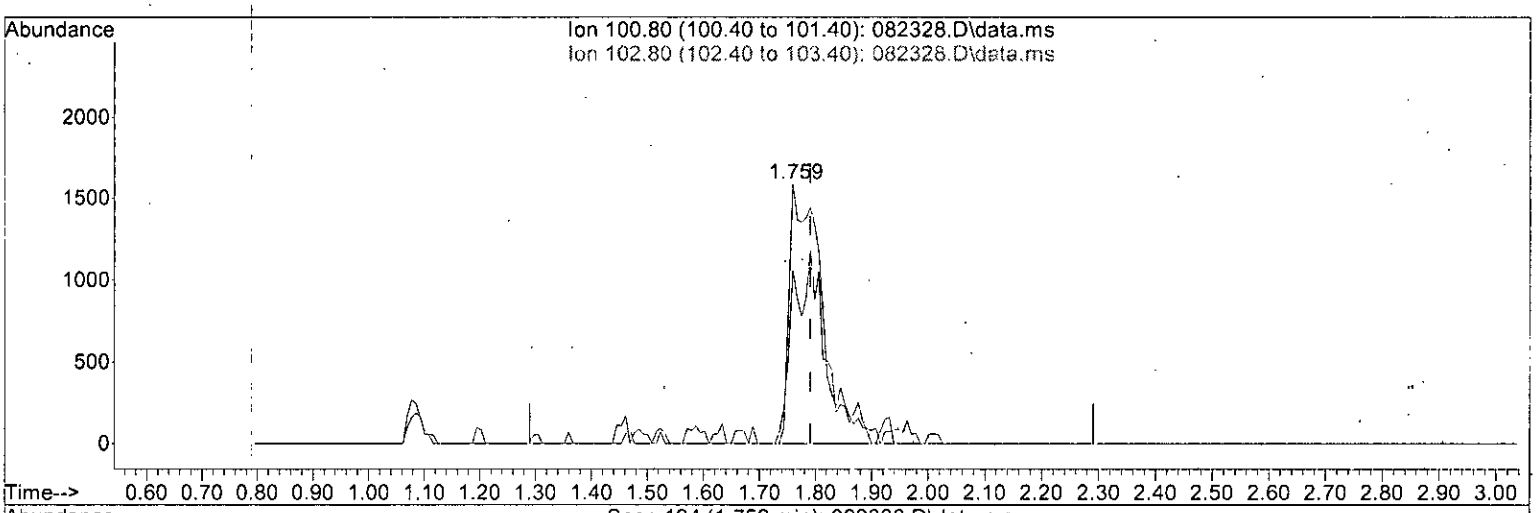
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	66.81
0.00	0.00	0.00
0.00	0.00	0.00

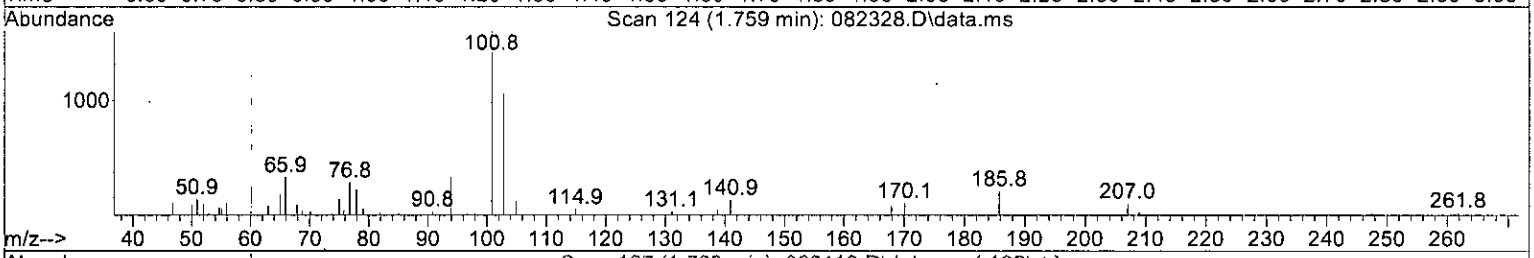
8/26 AM

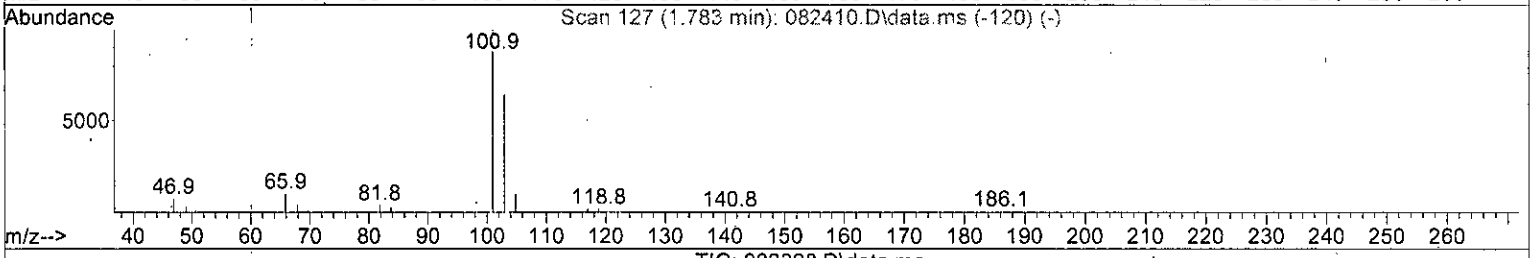
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.759min (-0.032) 0.919 ppb m

response 6713

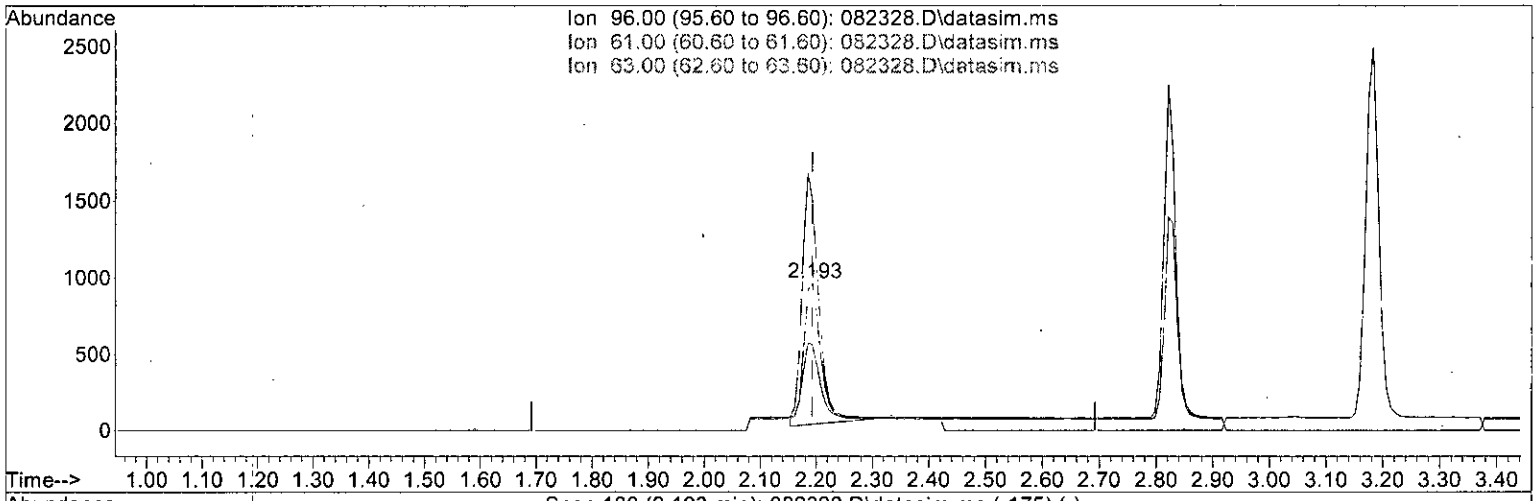
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	66.81
0.00	0.00	0.00
0.00	0.00	0.00

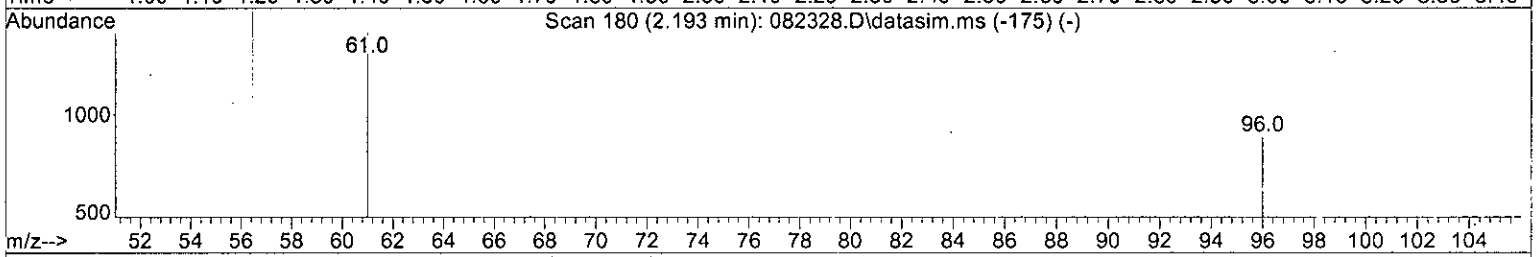
8/26 JM

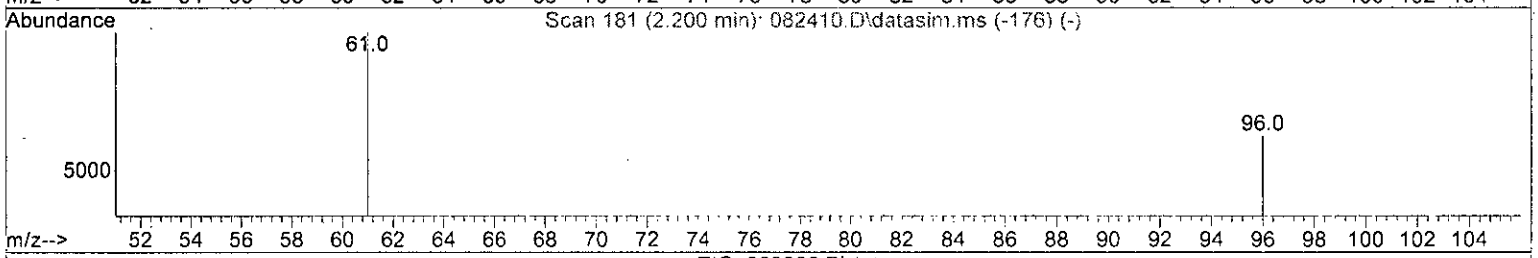
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 1.008 ppb

response 2036

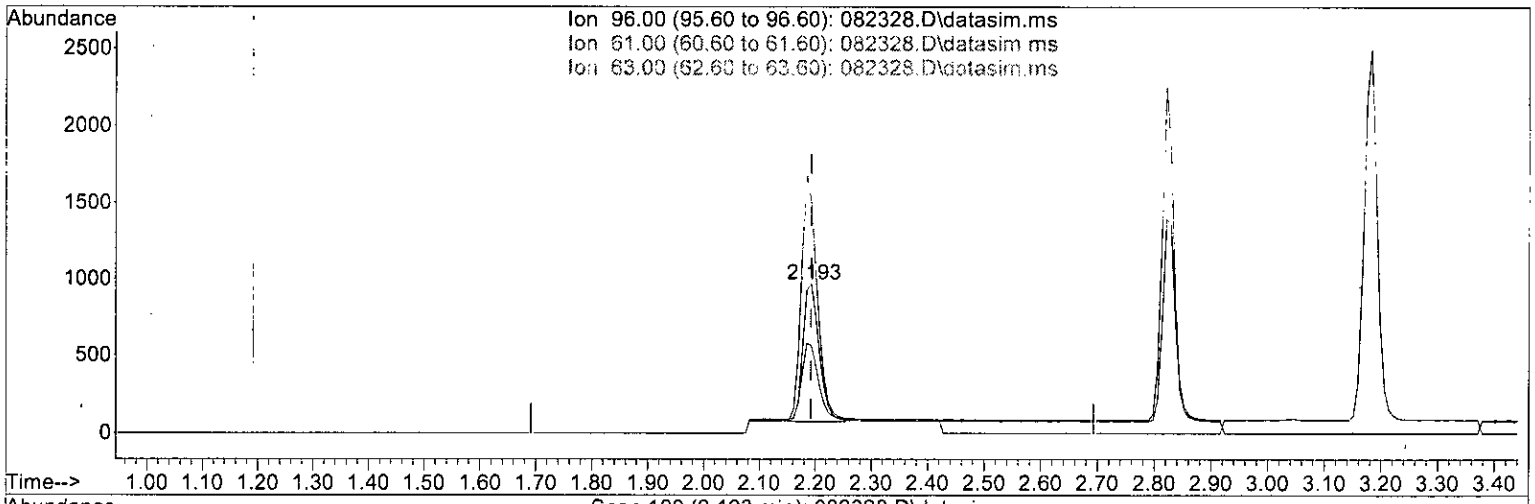
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	159.06
63.00	53.80	53.54
0.00	0.00	0.00

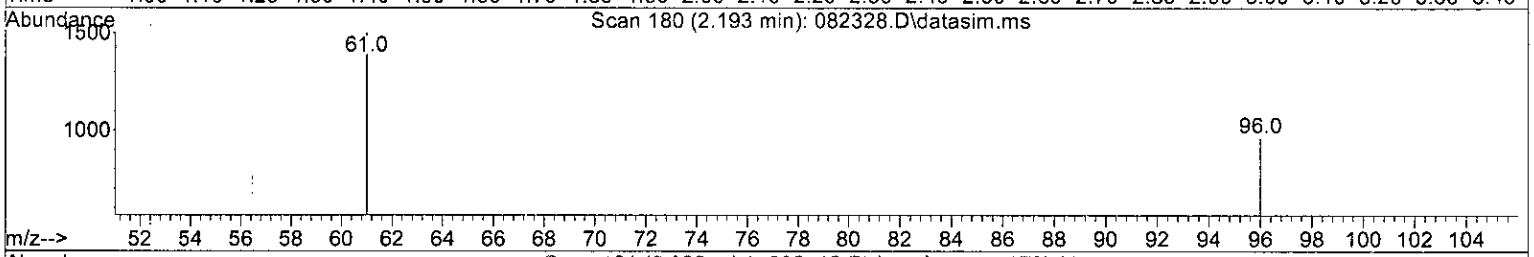
8/26 JM

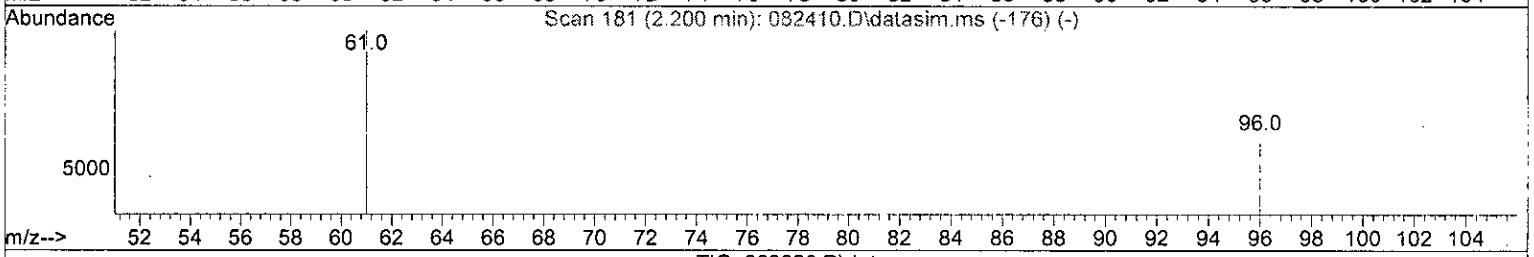
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (-0.000) 0.904 ppb m

response 1827

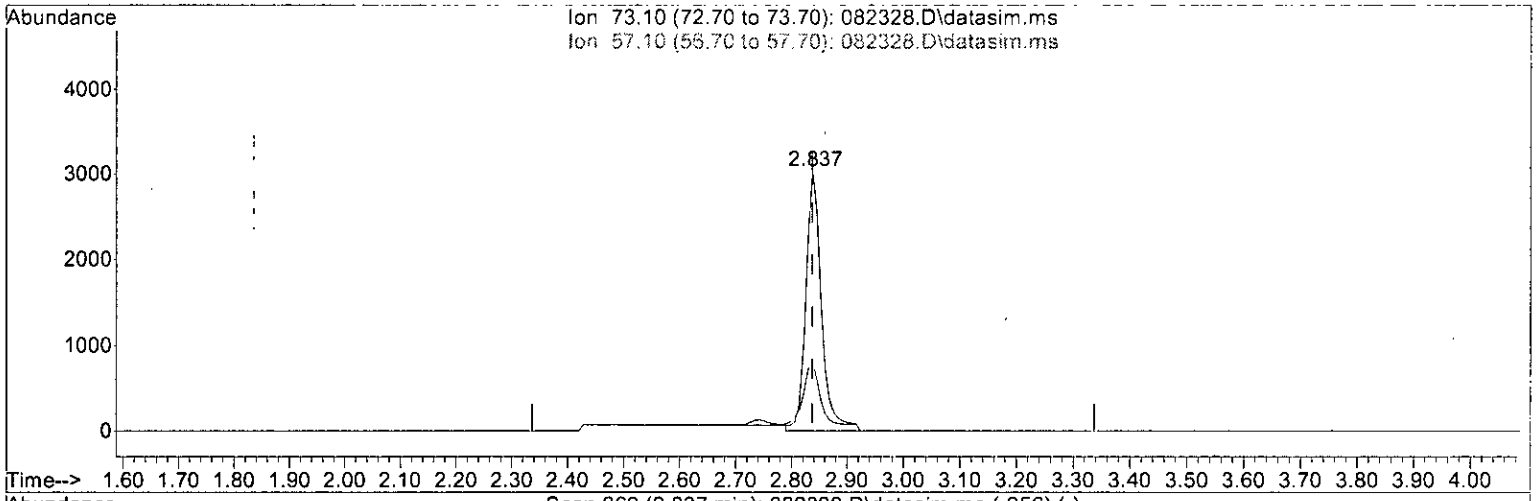
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	155.49
63.00	53.80	58.49
0.00	0.00	0.00

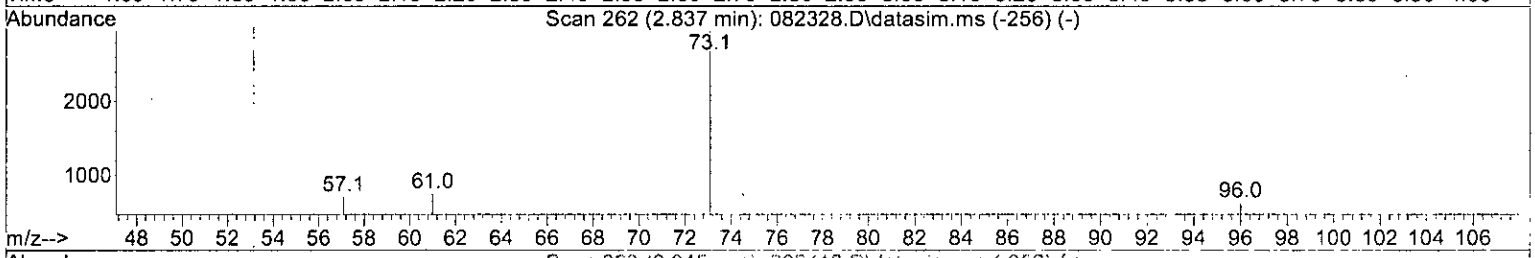
8/26 AM

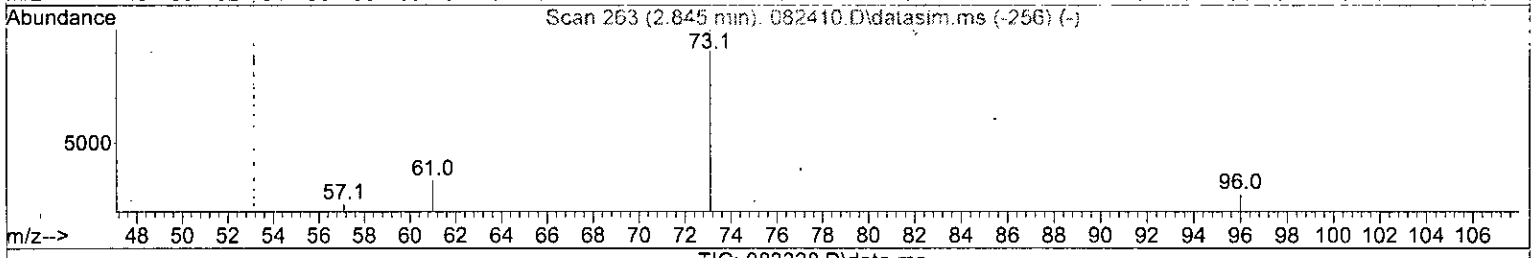
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (-0.000) 1.020 ppb

response 6008

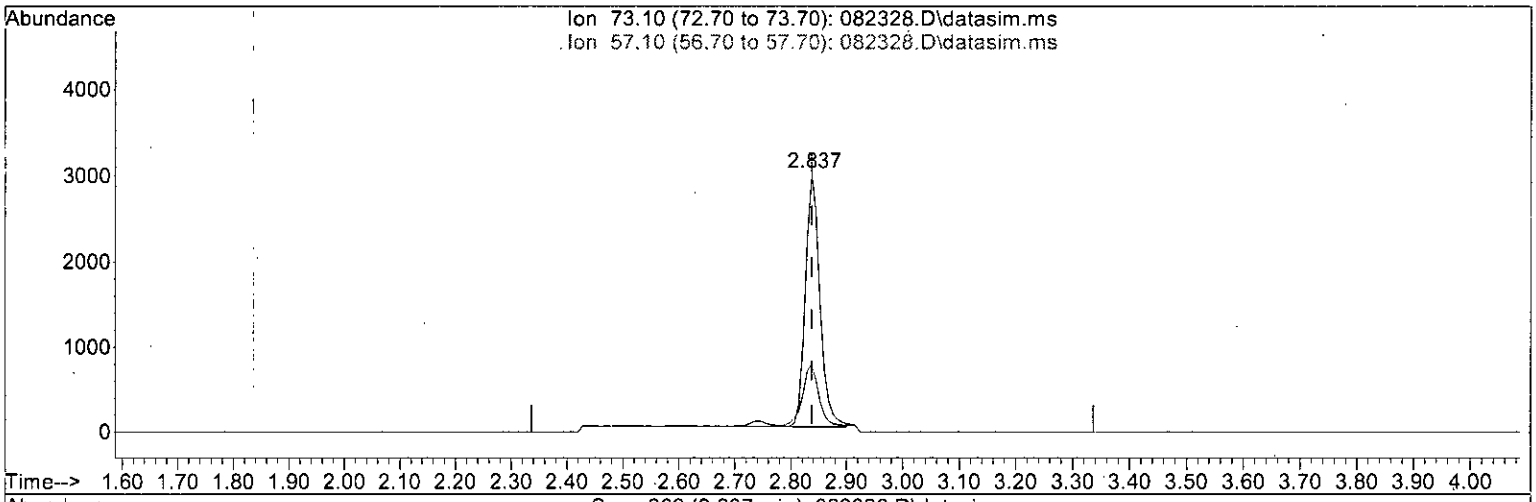
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	26.26
0.00	0.00	0.00
0.00	0.00	0.00

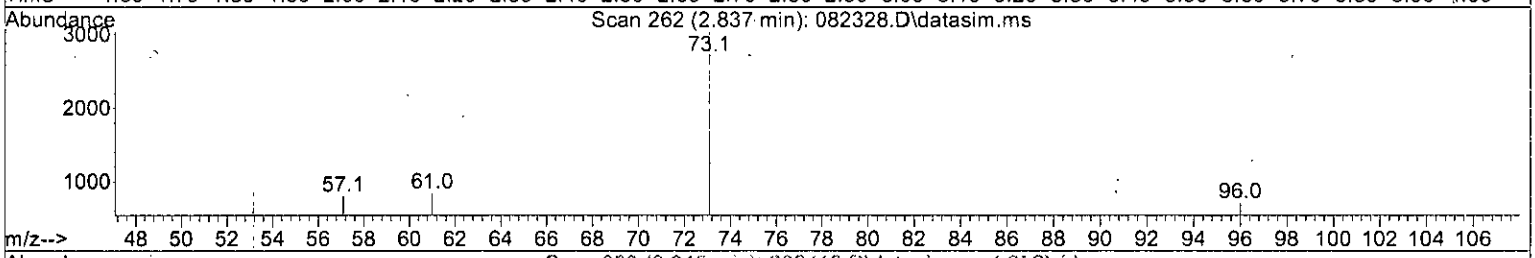
8/26 JCM

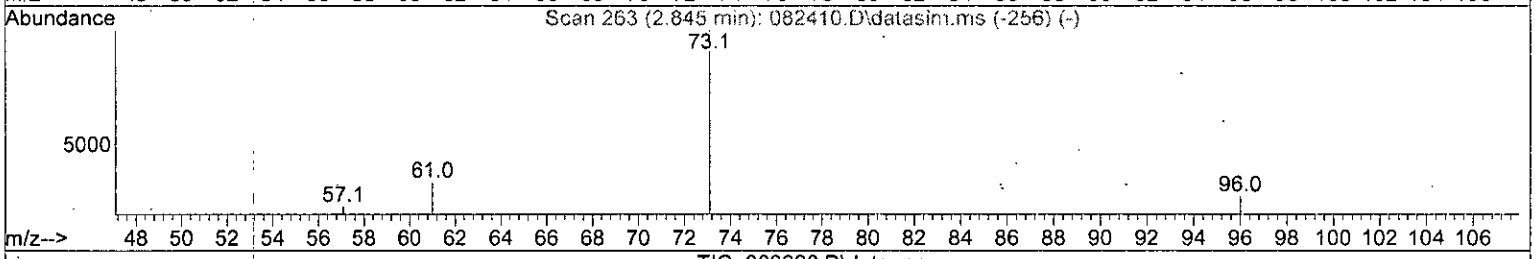
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (-0.000) 0.939 ppb m

response 5532

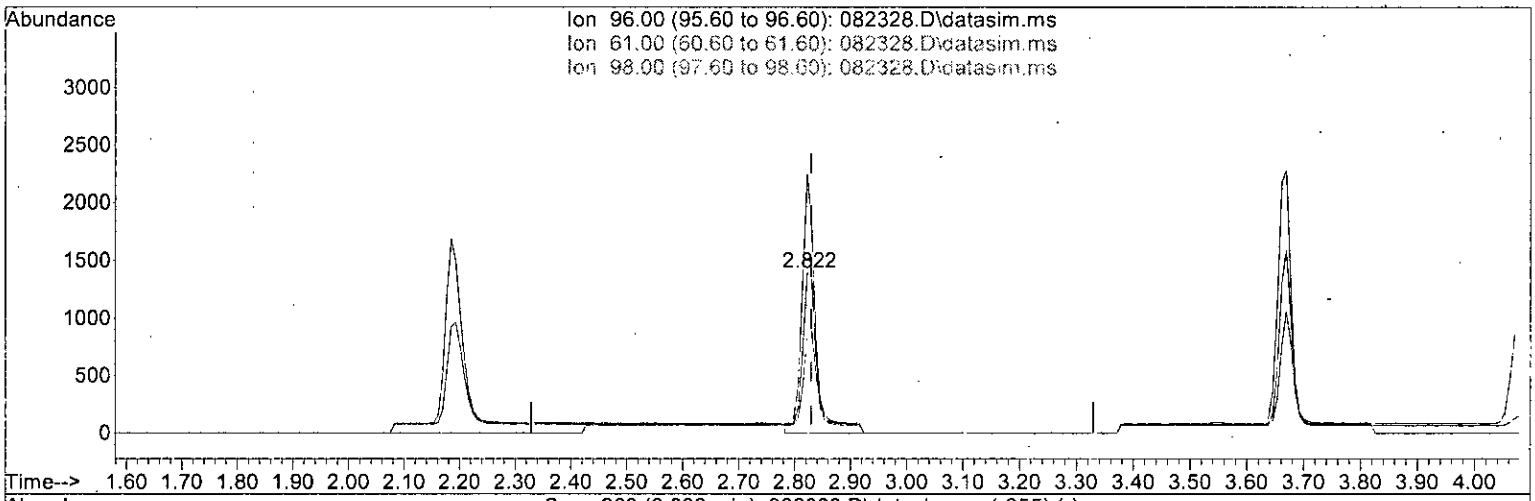
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	26.26
0.00	0.00	0.00
0.00	0.00	0.00

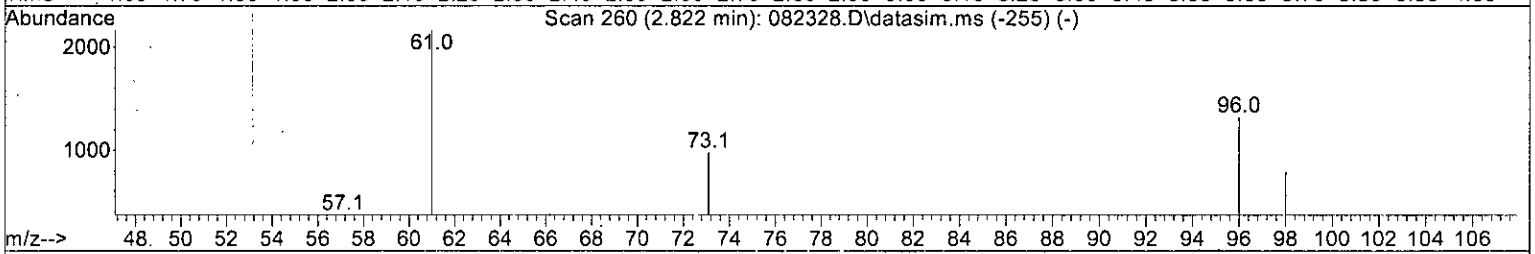
8/26 JCM

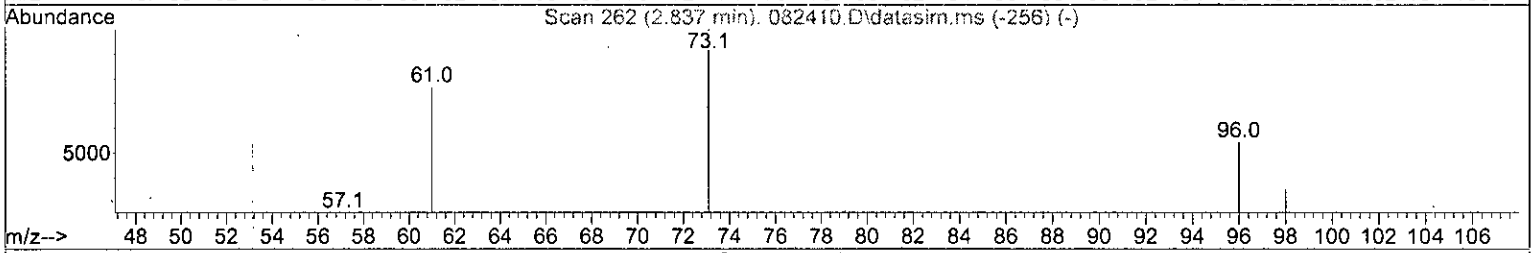
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082328.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.008) 1234 ppb

response 2664

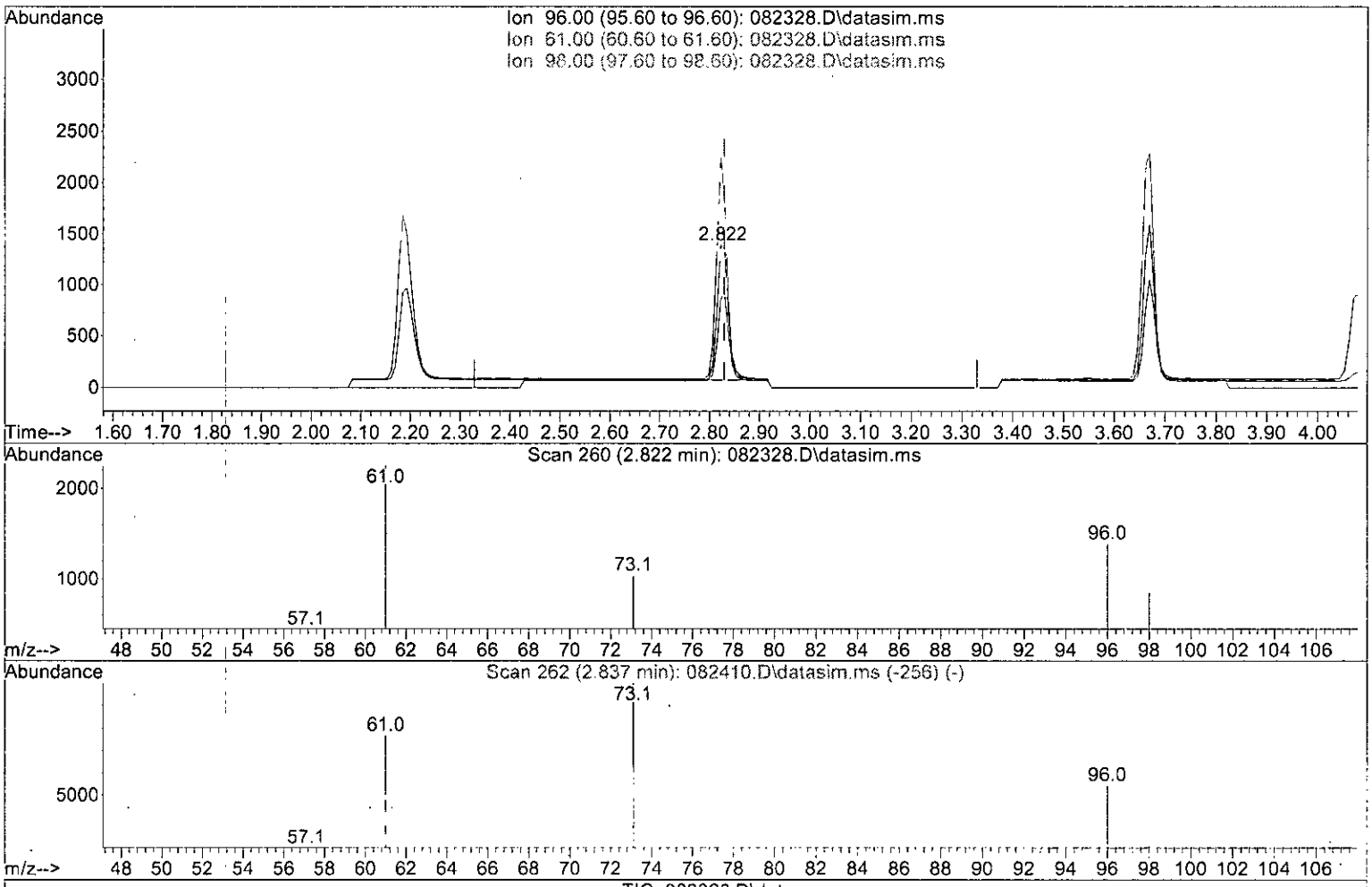
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	161.29
98.00	65.50	61.51
0.00	0.00	0.00

8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:38 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082328.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.008) 0.955 ppb m

response 2067

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	161.29
98.00	65.50	61.51
0.00	0.00	0.00

8/26 dm

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.017	-0.2	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.771	22.9#	107	0.00
5	TMP	Chloromethane	1.000	1.069	-6.9	100	0.00
6	TMP	Vinyl chloride	1.000	0.909	9.1	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	1.000	0.930	7.0	99	0.00
9	TMP	Trichlorofluoromethane	1.000	0.919	8.1	100	-0.03
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.40#
11	TMP	Acetone	5.000	4.110	17.8	100	0.00
12	TMP	1,1-Dichloroethene	1.000	0.904	9.6	100	0.00
13	TMP	Hexane	1.000	1.168	-16.8	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.61#
15	TMP	t-Butyl alcohol (TBA)	5.000	4.392	12.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	0.939	6.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	0.955	4.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	0.953	4.7	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.932	6.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.955	4.5	100	0.00
21	TMP	2,2-Dichloropropane	1.000	1.037	-3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	0.946	5.4	100	0.00
23	TMP	Chloroform	1.000	1.008	-0.8	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.548	9.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	0.944	5.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.959	4.1	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.920	8.0	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.970	3.0	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.983	1.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.821	1.8	100	0.00
31	TMP	Benzene	1.000	0.948	5.2	100	0.00
32	TMP	Trichloroethene	1.000	0.942	5.8	100	0.00
33	TMP	1,2-Dichloropropane	1.000	0.958	4.2	100	0.00
34	TMP	Bromodichloromethane	1.000	0.892	10.8	100	0.00
35	S	Toluene-d8	10.000	10.301	-3.0	100	0.00
36	TMP	Dibromomethane	1.000	1.014	-1.4	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	4.723	5.5	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.878	12.2	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	0.930	7.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	0.883	11.7	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	0.963	3.7	100	0.00
43	TMP	2-Hexanone	5.000	4.800	4.0	100	0.01
44	TMP	1,3-Dichloropropane	1.000	0.988	1.2	100	0.00
45	TMP	Tetrachloroethene	1.000	0.958	4.2	100	0.00
46	TMP	Dibromochloromethane	1.000	0.925	7.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.958	4.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	1.000	0.965	3.5	100	0.00
49	TMP	Ethylbenzene	1.000	0.953	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.864	13.6	100	0.00
51	TMP	m,p-Xylene	2.000	1.899	5.0	100	0.00
52	TMP	o-Xylene	1.000	0.938	6.2	100	0.00
53	TMP	Styrene	1.000	0.947	5.3	100	0.00
54	TMP	Isopropylbenzene	1.000	0.948	5.2	100	0.00
55	TMP	Bromoform	1.000	0.872	12.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.250	-2.5	100	0.00
58	TMP	n-Propylbenzene	1.000	0.969	3.1	100	0.00
59	TMP	Bromobenzene	1.000	0.993	0.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	0.926	7.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.968	3.2	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.026	-2.6	100	0.00
63	TMP	2-Chlorotoluene	1.000	0.987	1.3	100	0.00
64	TMP	4-Chlorotoluene	1.000	1.031	-3.1	100	0.00
65	TMP	tert-Butylbenzene	1.000	0.938	6.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.953	4.7	100	0.00
67	TMP	sec-Butylbenzene	1.000	0.939	6.1	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.942	5.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	0.970	3.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	0.945	5.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.001	-0.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	0.833	16.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.000	0.969	3.1	100	0.00
74	TMP	Hexachlorobutadiene	1.000	0.868	13.2	100	0.00
75	TMP	Naphthalene	1.000	0.900	10.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.916	8.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.290	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.587	22.9#	107	0.00
5	TMP	Chloromethane	0.900	0.962	-6.9	100	0.00
6	TMP	Vinyl chloride	0.816	0.742	9.1	100	0.00
7	TMP	Bromomethane	0.519	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.410	0.381	7.1	99	0.00
9	TMP	Trichlorofluoromethane	1.035	0.951	8.1	100	-0.03
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.025	-4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.259	9.4	100	0.00
13	TMP	Hexane	0.461	0.538	-16.7	100	0.00
14	TMP	Methylene chloride	0.702	0.000#	100.0#	0#	-2.61#
15	TMP	t-Butyl alcohol (TBA)	0.034	0.030#	11.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.783	6.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.293	9.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.925	4.7	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.551	6.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.339	4.5	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.383	-5.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.319	9.4	100	0.00
23	TMP	Chloroform	0.551	0.555	-0.7	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.122	6.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.735	5.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.406	15.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.468	8.1	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.374	3.1	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.407	1.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.060	1.6	100	0.00
31	TMP	Benzene	1.180	1.062	10.0	100	0.00
32	TMP	Trichloroethene	0.330	0.293	11.2	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.287	4.3	100	0.00
34	TMP	Bromodichloromethane	0.375	0.335	10.7	100	0.00
35	S	Toluene-d8	1.034	1.065	-3.0	100	0.00
36	TMP	Dibromomethane	0.169	0.171	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.043	4.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.363	12.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.840	23.1#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.383	11.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.235	3.7	100	0.00
43	TMP	2-Hexanone	0.230	0.221	3.9	100	0.01
44	TMP	1,3-Dichloropropane	0.447	0.441	1.3	100	0.00
45	TMP	Tetrachloroethene	0.410	0.333	18.8	100	0.00
46	TMP	Dibromochloromethane	0.343	0.318	7.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.292	10.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.922	3.5	100	0.00
49	TMP	Ethylbenzene	1.835	1.542	16.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.305	13.6	100	0.00
51	TMP	m,p-Xylene	0.769	0.605	21.3#	100	0.00
52	TMP	o-Xylene	0.707	0.587	17.0	100	0.00
53	TMP	Styrene	1.019	0.966	5.2	100	0.00
54	TMP	Isopropylbenzene	1.597	1.515	5.1	100	0.00
55	TMP	Bromoform	0.228	0.182	20.2#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.856	-2.5	100	0.00
58	TMP	n-Propylbenzene	3.173	3.074	3.1	100	0.00
59	TMP	Bromobenzene	0.796	0.791	0.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.173	7.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.632	3.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.500#	-2.7	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.897	1.4	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.259	-3.2	100	0.00
65	TMP	tert-Butylbenzene	2.061	1.933	6.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.296	4.7	100	0.00
67	TMP	sec-Butylbenzene	3.038	2.854	6.1	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.474	5.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.447	3.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.423	5.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.469	-0.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.098	16.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.060	3.1	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.541	13.2	100	0.00
75	TMP	Naphthalene	2.138	1.923	10.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.900	8.4	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	70615	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	63060	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34833	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	20482	10.017	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.20%				
30) 1,2-Dichloroethane-d4	4.36	102	4206	9.821	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 98.20%				
35) Toluene-d8	5.98	98	75207	10.301	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.00%				
57) 4-Bromofluorobenzene	8.38	95	29800	10.250	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.50%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	4142m	0.771	ppb		
5) Chloromethane	1.22	50	6792	1.069	ppb		80
6] Vinyl chloride	1.29	62	5237m	0.909	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.59	64	2692m	0.930	ppb		
9) Trichlorofluoromethane	1.76	101	6713m	0.919	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.27	58	880	4.110	ppb	#	45
12] 1,1-Dichloroethene	2.19	96	1827m	0.904	ppb		
13) Hexane	3.05	57	3798	1.168	ppb		93
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.74	59	1050	4.392	ppb		99
16] Methyl t-butyl ether (...	2.84	73	5532m	0.939	ppb		
17] trans-1,2-Dichloroethene	2.82	96	2067m	0.955	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	6533	0.953	ppb		91
19] 1,1-Dichloroethane	3.18	63	3891	0.932	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	2392	0.955	ppb		92
21) 2,2-Dichloropropane	3.67	77	2708	1.037	ppb		84
22] cis-1,2-Dichloroethene	3.67	96	2253	0.946	ppb		97
23) Chloroform	3.94	83	3922	1.008	ppb		90
24) 2-Butanone (MEK)	3.71	43	4324	4.548	ppb		97
25) t-Amyl methyl ether (T...	4.50	73	5191	0.944	ppb		98
26] 1,2-Dichloroethane (EDC)	4.41	62	2866	0.959	ppb		97
27] 1,1,1-Trichloroethane	4.08	97	3307	0.920	ppb		95
28) 1,1-Dichloropropene	4.22	75	2642	0.970	ppb		95
29) Carbon tetrachloride	4.21	117	2874	0.983	ppb		77
31] Benzene	4.38	78	7502	0.948	ppb		95
32] Trichloroethene	4.93	95	2067	0.942	ppb		88
33) 1,2-Dichloropropane	5.14	63	2028	0.958	ppb	#	87
34) Bromodichloromethane	5.37	83	2364	0.892	ppb		88
36) Dibromomethane	5.23	93	1209	1.014	ppb		91
37) 4-Methyl-2-pentanone	5.91	85	1511	4.723	ppb		93
38) cis-1,3-Dichloropropene	5.75	75	2564	0.878	ppb		87
40] Toluene	6.04	92	5294	0.930	ppb		92
41) trans-1,3-Dichloropropene	6.25	75	2415	0.883	ppb		88

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

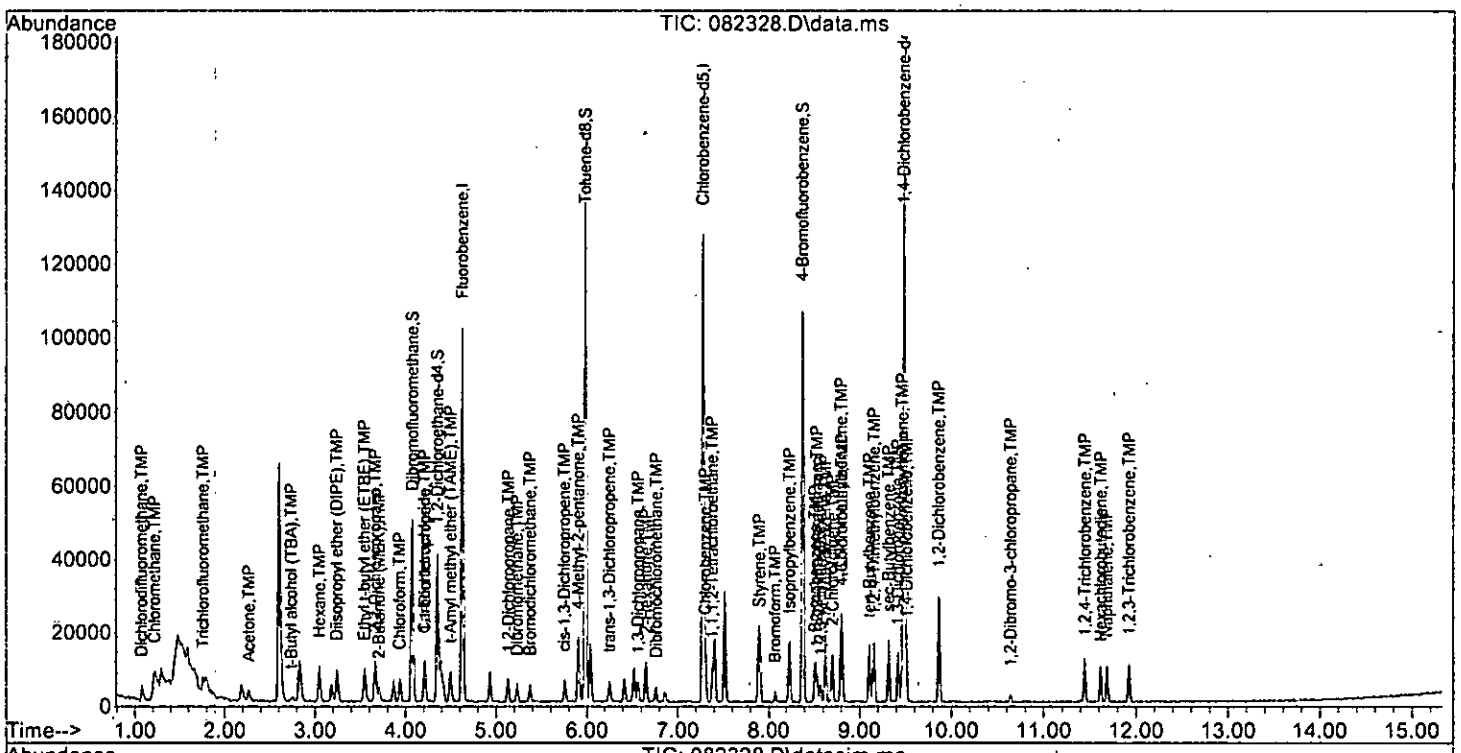
Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

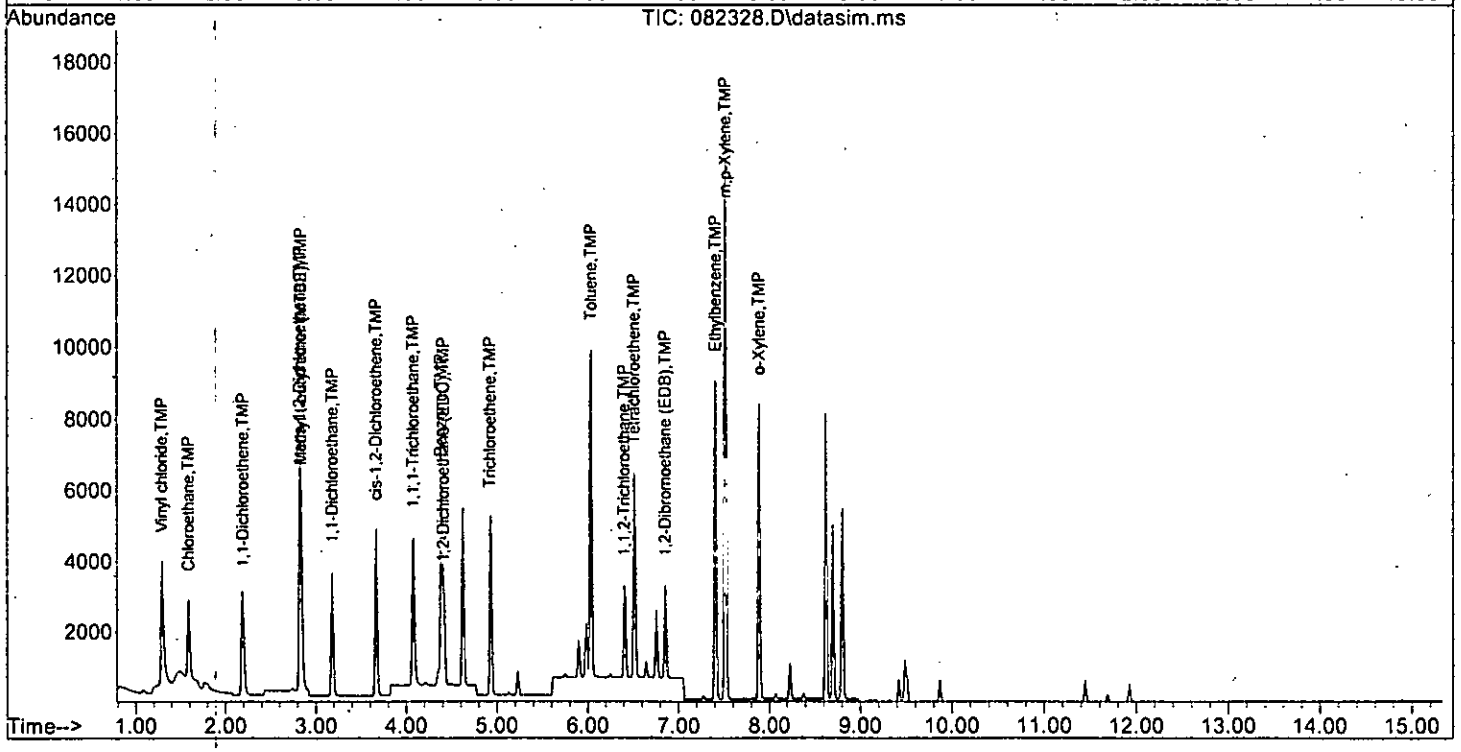
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	1482	0.963	ppb	93
43) 2-Hexanone	6.65	43	6965	4.800	ppb	94
44) 1,3-Dichloropropane	6.57	76	2783	0.988	ppb	93
45] Tetrachloroethene	6.51	164	2098	0.958	ppb	98
46) Dibromochloromethane	6.76	129	2003	0.925	ppb	92
47] 1,2-Dibromoethane (EDB)	6.85	107	1840	0.958	ppb	98
48) Chlorobenzene	7.30	112	5812	0.965	ppb	97
49] Ethylbenzene	7.41	91	9726	0.953	ppb	86
50) 1,1,1,2-Tetrachloroethane	7.38	131	1924	0.864	ppb	89
51] m,p-Xylene	7.52	106	7635	1.899	ppb	96
52] o-Xylene	7.88	106	3700	0.938	ppb	96
53) Styrene	7.90	104	6089	0.947	ppb	96
54) Isopropylbenzene	8.23	105	9552	0.948	ppb	97
55) Bromoform	8.07	173	1148	0.872	ppb	79
58) n-Propylbenzene	8.63	91	10708	0.969	ppb	91
59) Bromobenzene	8.52	156	2754	0.993	ppb	93
60) 1,3,5-Trimethylbenzene	8.80	105	7569	0.926	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.53	83	2200	0.968	ppb	89
62) 1,2,3-Trichloropropane	8.57	75	1741	1.026	ppb	93
63) 2-Chlorotoluene	8.70	91	6609	0.987	ppb	97
64) 4-Chlorotoluene	8.81	91	7868	1.031	ppb	92
65) tert-Butylbenzene	9.11	119	6733	0.938	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	7999	0.953	ppb	100
67) sec-Butylbenzene	9.32	105	9941	0.939	ppb	96
68) p-Isopropyltoluene	9.47	119	8618	0.942	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	5041	0.970	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	4955	0.945	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	5117	1.001	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.64	75	342	0.833	ppb	89
73) 1,2,4-Trichlorobenzene	11.45	180	3694	0.969	ppb	87
74) Hexachlorobutadiene	11.62	225	1884	0.868	ppb	93
75) Naphthalene	11.69	128	6700	0.900	ppb	96
76) 1,2,3-Trichlorobenzene	11.92	180	3134	0.916	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082328.D
Acq On : 23 Aug 2022 08:28 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-74K
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:56:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

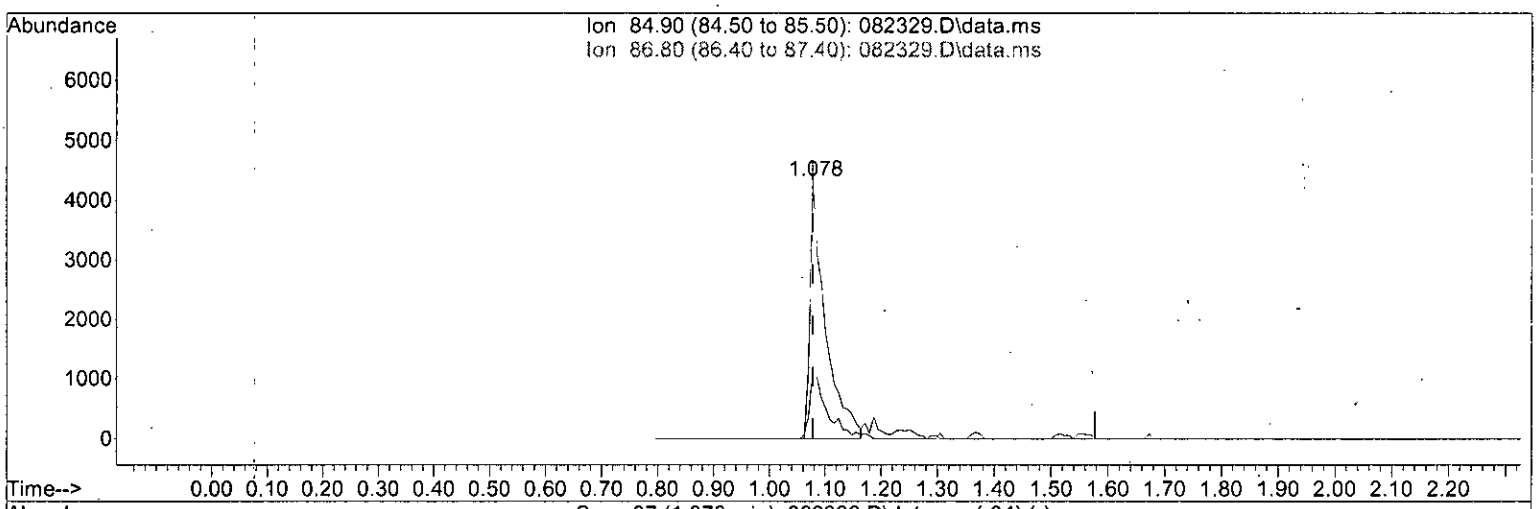


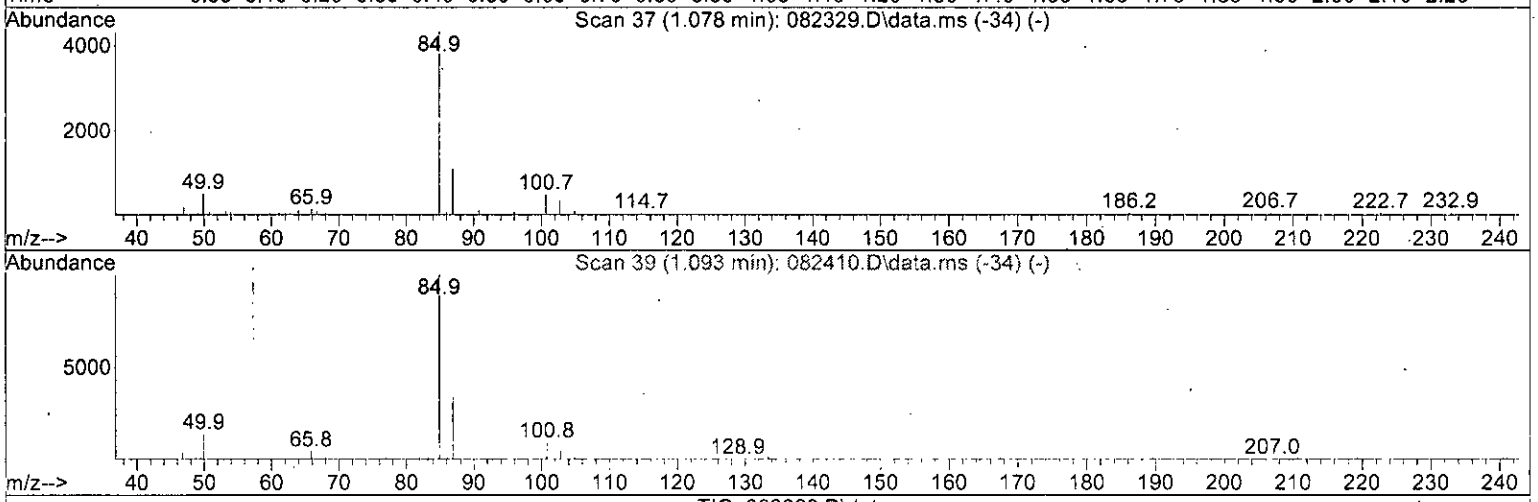


Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082329.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.078min (-0.000) 1.598 ppb

response 8409

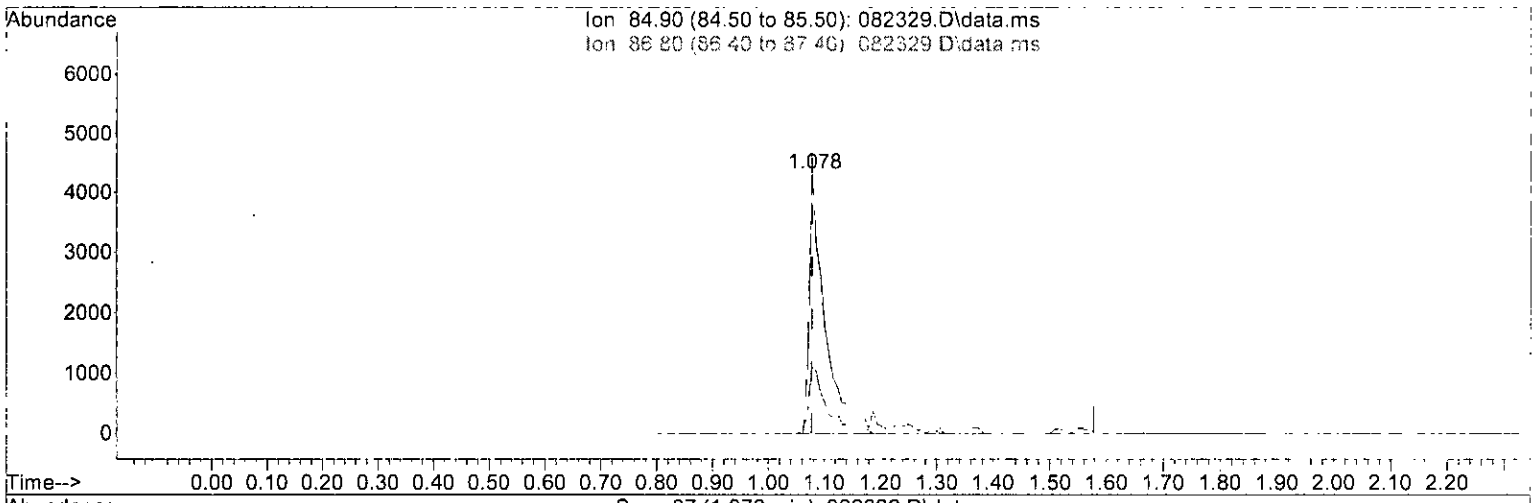
Ion	Exp%	Act%
84.90	100.00	100.00
86.80	33.50	25.54
0.00	0.00	0.00
0.00	0.00	0.00

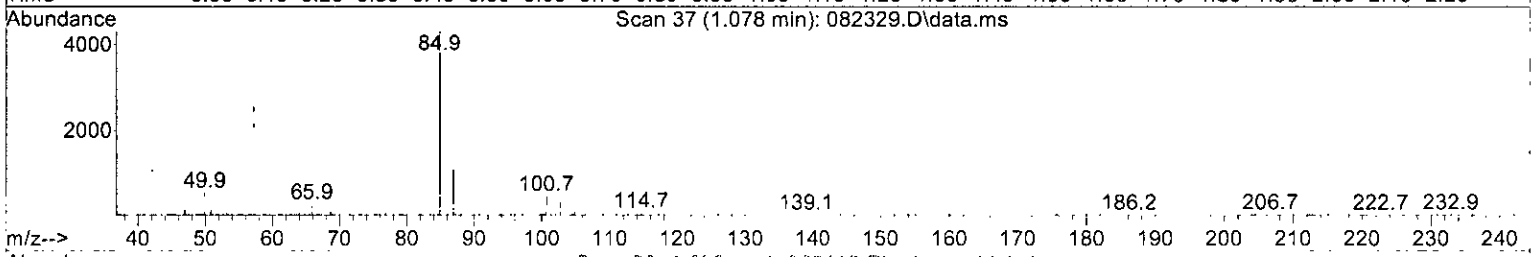
8/26 JCM

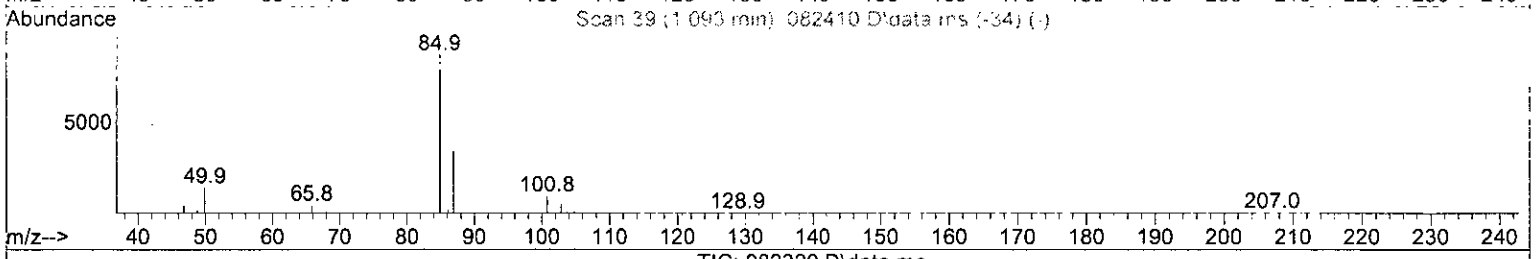
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082329.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.078min (-0.000) 1.769 ppb m

response 9309

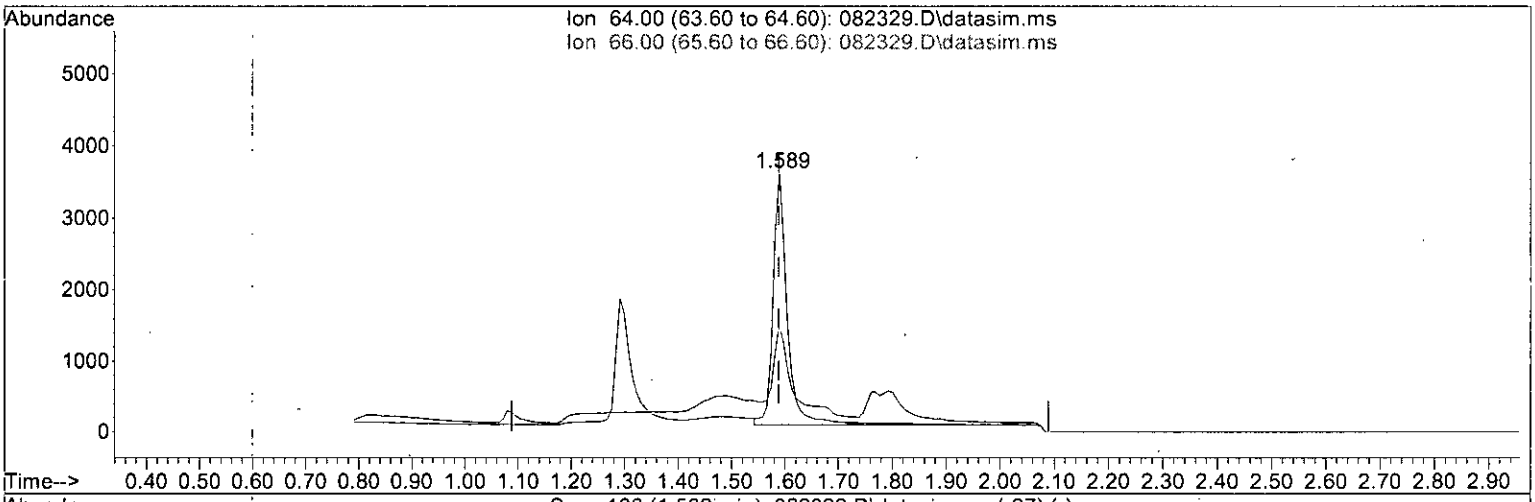
Ion	Exp%	Act%
84.90	100.00	100.00
86.80	33.50	25.54
0.00	0.00	0.00
0.00	0.00	0.00

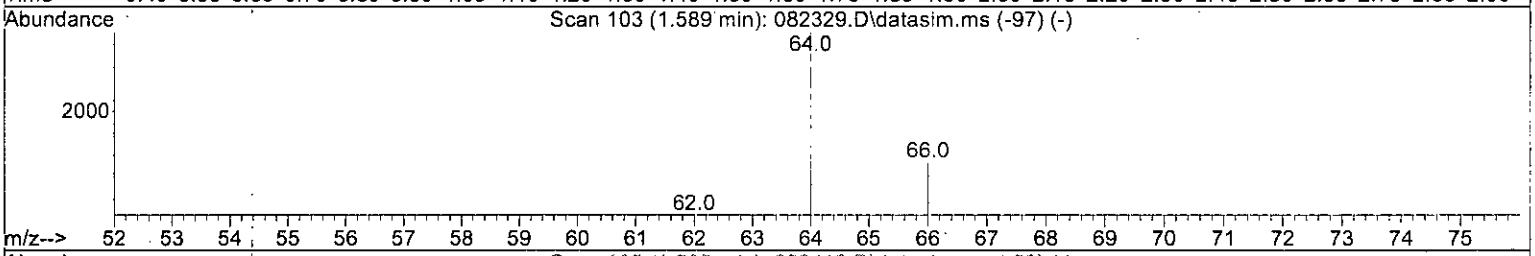
8/26 JCM

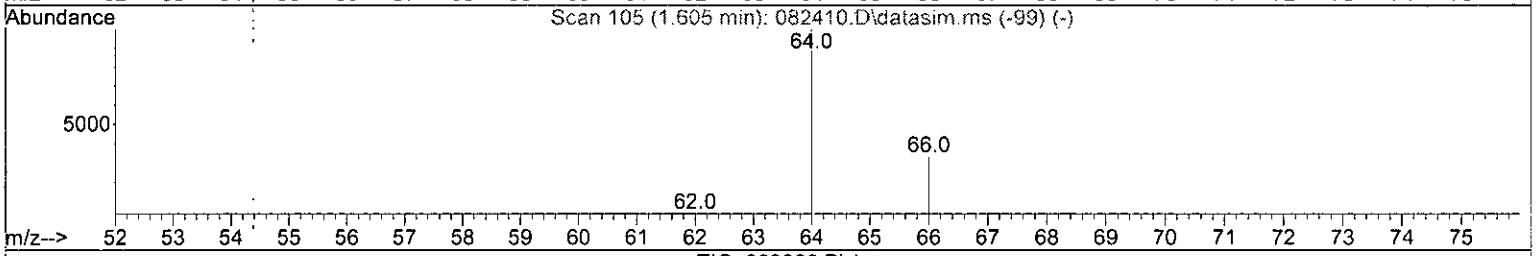
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082329.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 2.349 ppb

response 6657

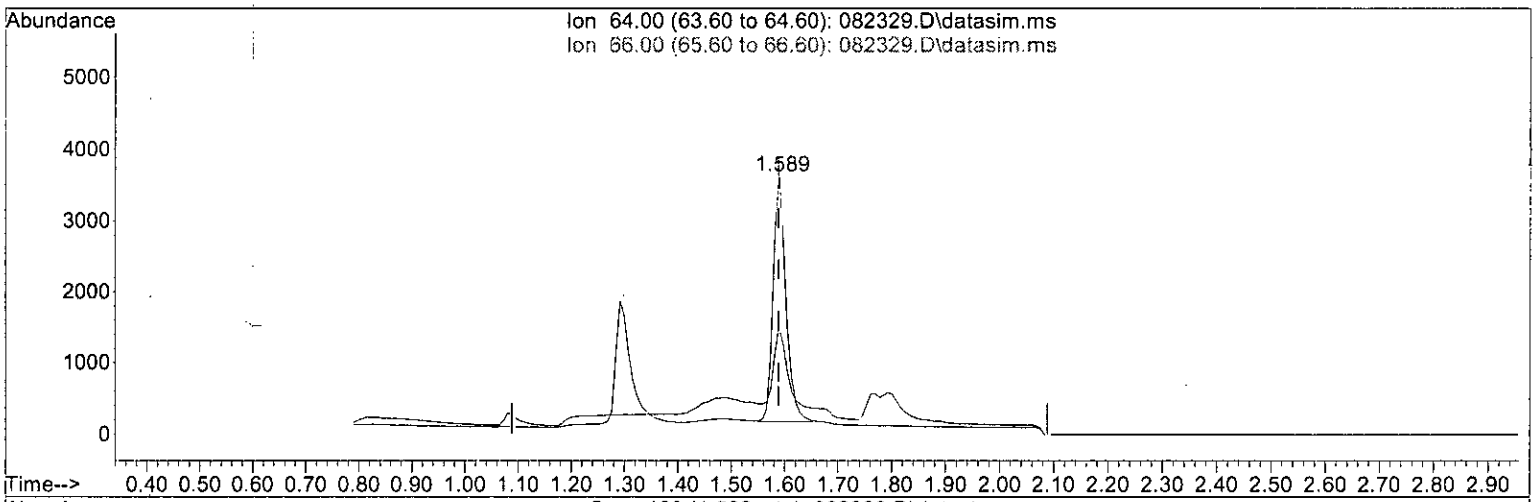
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	38.68
0.00	0.00	0.00
0.00	0.00	0.00

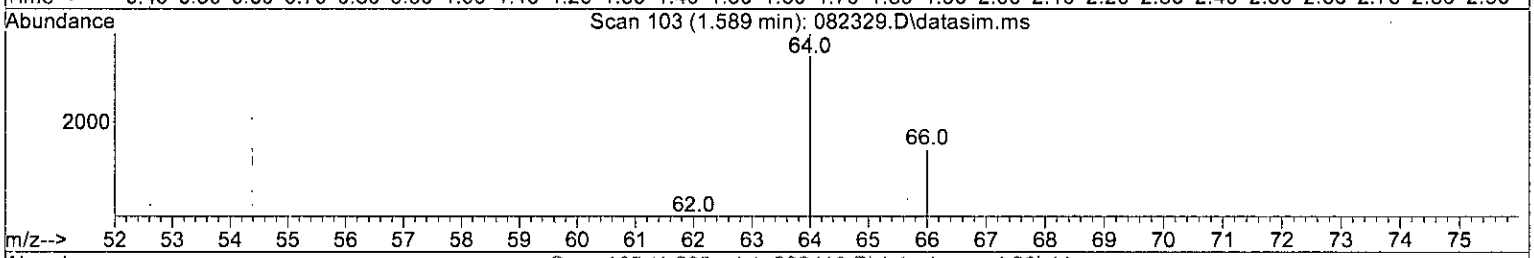
8/26 JCM

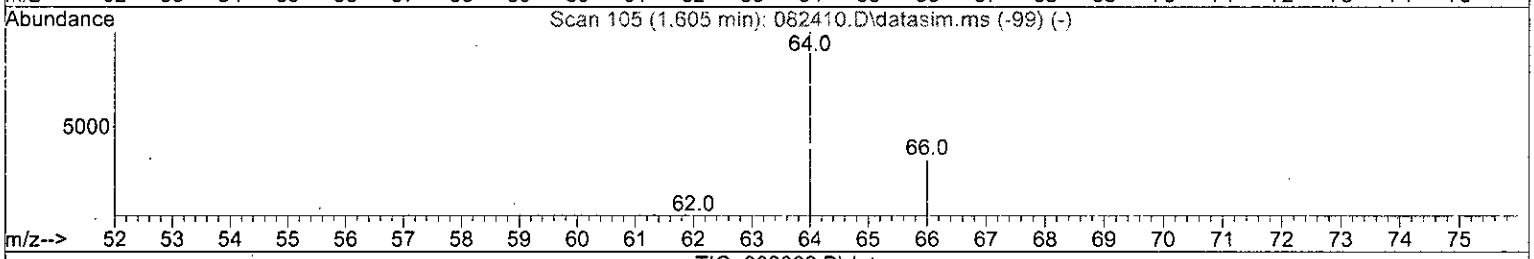
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082329.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 2.012 ppb m

response 5700

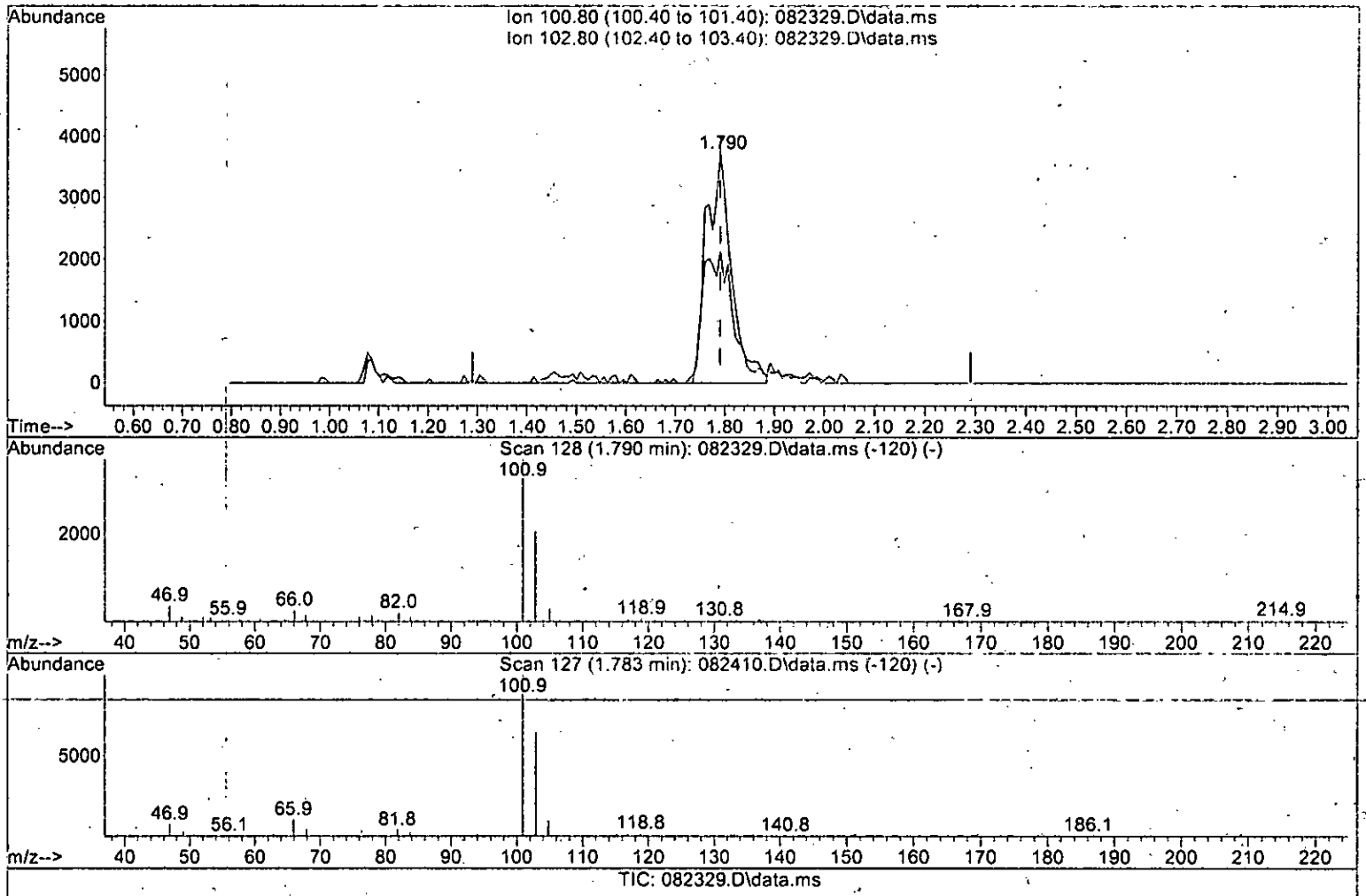
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	41.51
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082329.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.790min (-0.001) 1.836 ppb

response 13128

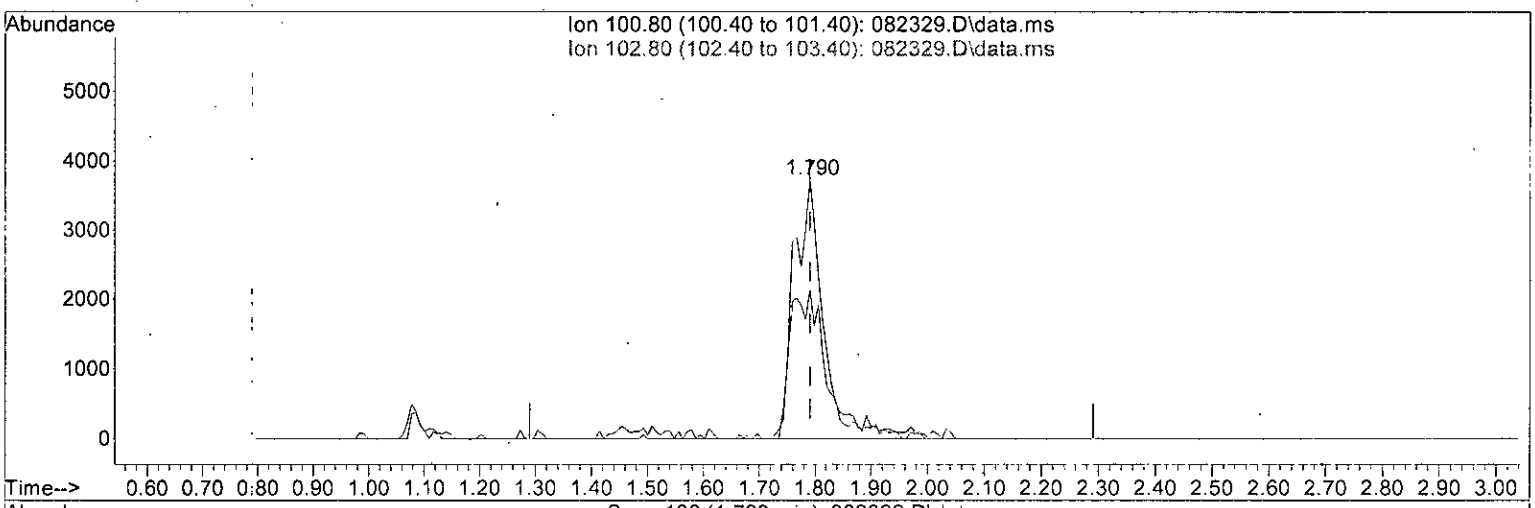
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	55.64
0.00	0.00	0.00
0.00	0.00	0.00

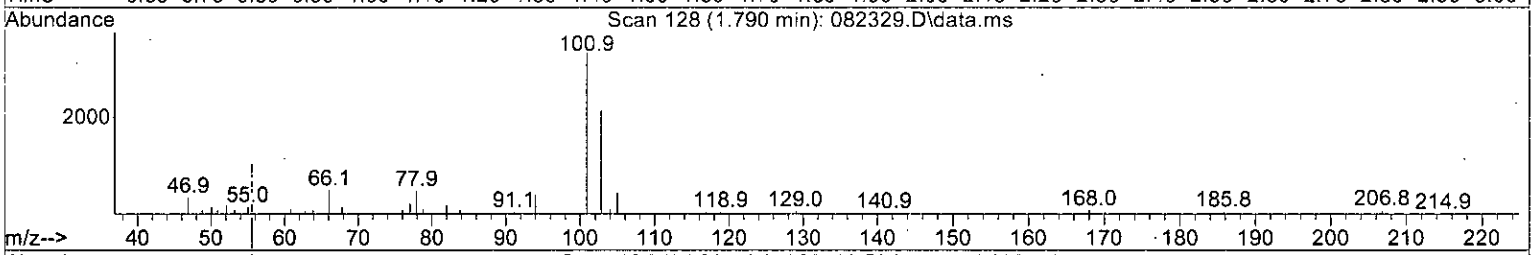
8/26 JM

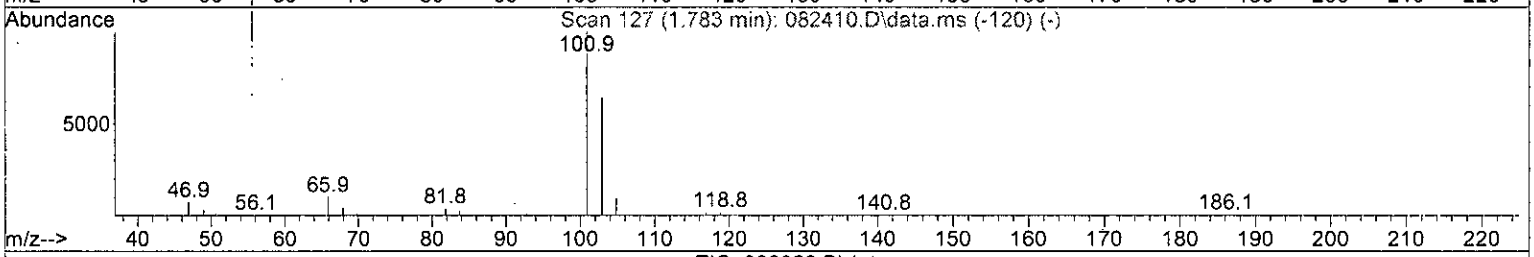
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082329.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.790min (-0.001) 1.952 ppb m

response 13959

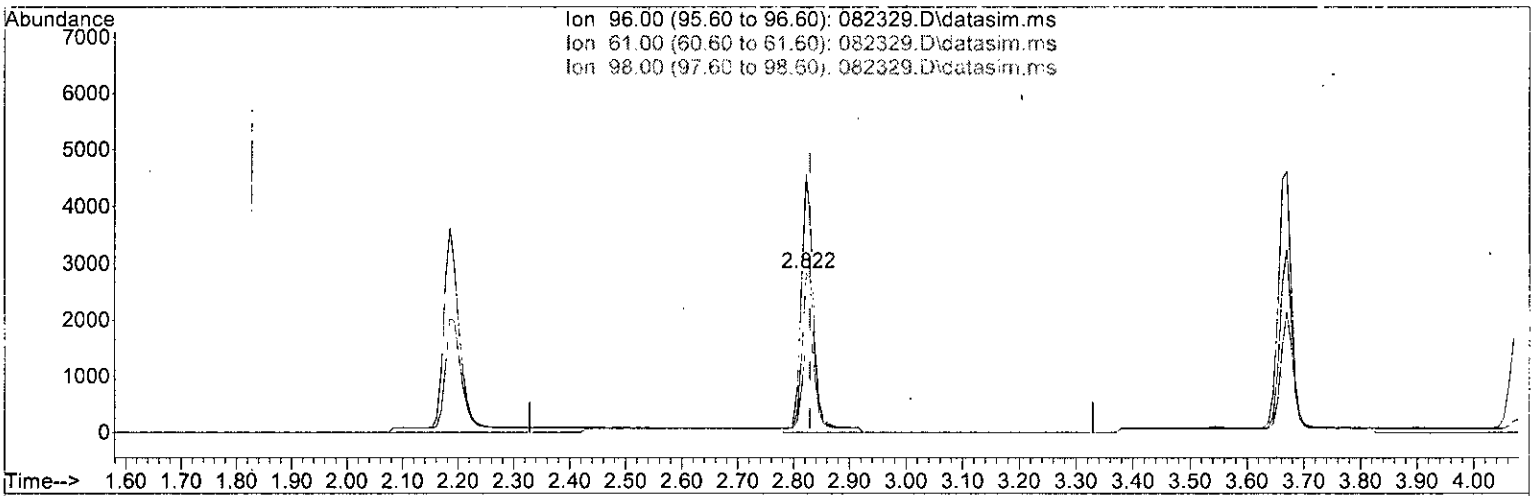
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	57.19
0.00	0.00	0.00
0.00	0.00	0.00

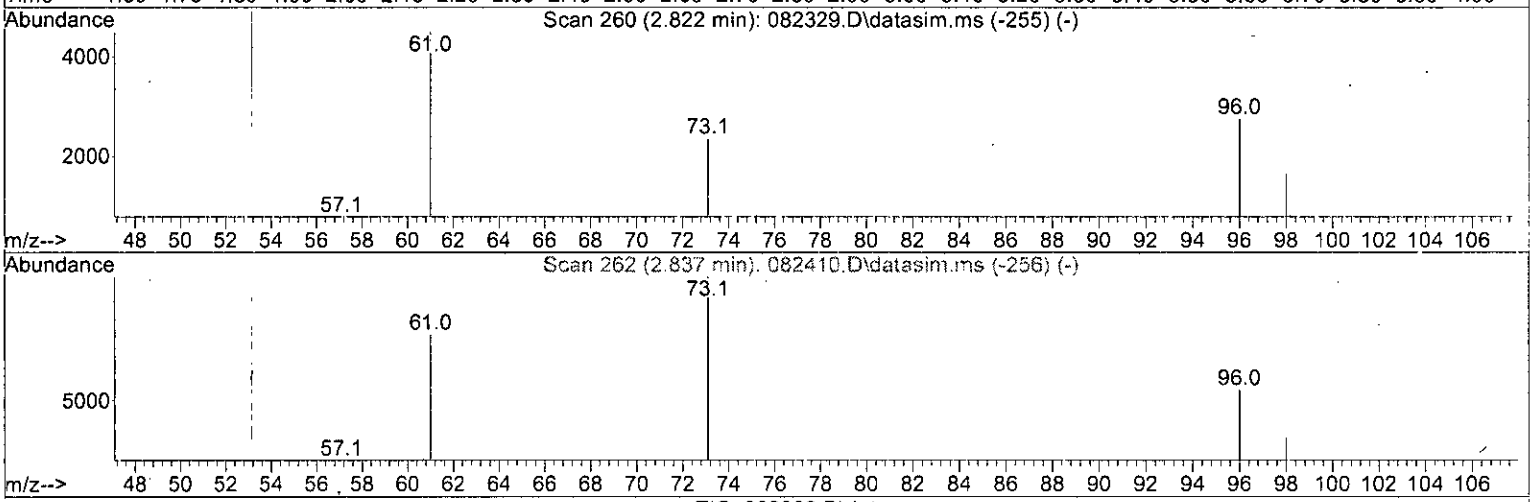
8/26 AM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082329.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.008) 2.317 ppb

response 4875

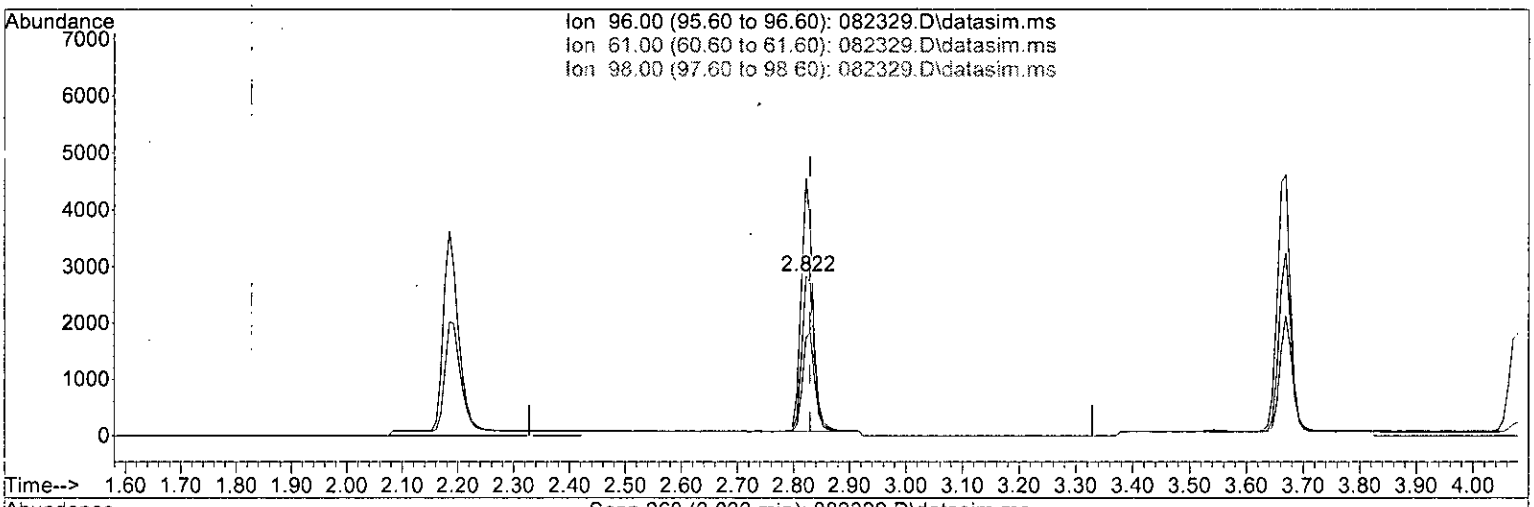
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	161.63
98.00	65.50	61.28
0.00	0.00	0.00

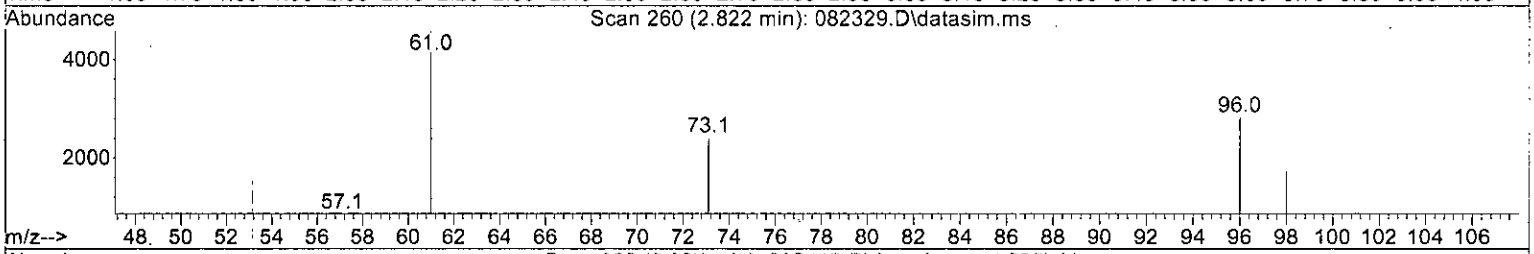
8/26 am

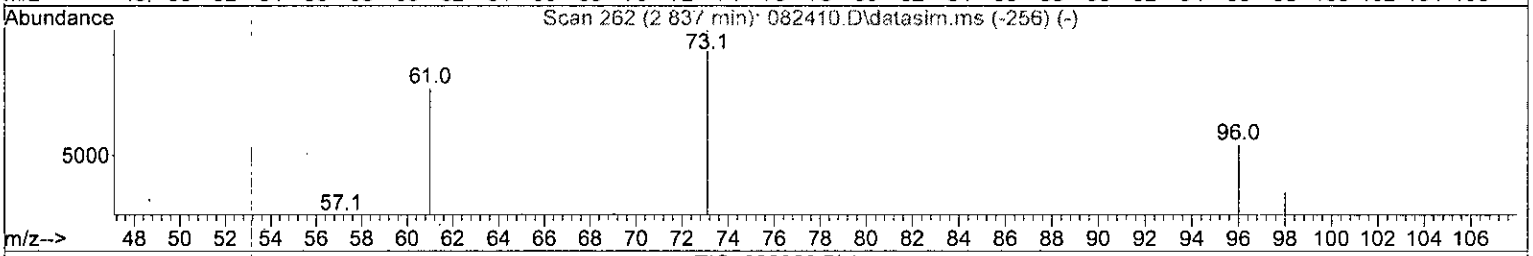
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:40 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082329.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.008) 2.017 ppb m

response 4246

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	161.63
98.00	65.50	61.28
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.110	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.769	11.6	100	0.00
5	TMP	Chloromethane	2.000	2.021	-1.0	100	0.00
6	TMP	Vinyl chloride	2.000	2.075	-3.8	107	0.00
7	TMP	Bromomethane	2.000	1.754	12.3	100	0.00
8	TMP	Chloroethane	2.000	2.012	-0.6	101	0.00
9	TMP	Trichlorofluoromethane	2.000	1.952	2.4	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	10.000	12.221	-22.2#	100	0.00
12	TMP	1,1-Dichloroethene	2.000	2.054	-2.7	107	0.00
13	TMP	Hexane	2.000	2.184	-9.2	100	0.00
14	TMP	Methylene chloride	2.000	2.061	-3.0	100	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	10.721	-7.2	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	2.000	2.099	-5.0	104	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.017	-0.8	100	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	2.046	-2.3	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.990	0.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	2.045	-2.2	100	0.00
21	TMP	2,2-Dichloropropane	2.000	2.137	-6.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	2.041	-2.0	100	0.00
23	TMP	Chloroform	2.000	2.030	-1.5	100	0.00
24	TMP	2-Butanone (MEK)	10.000	11.212	-12.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	2.049	-2.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	2.067	-3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.980	1.0	100	0.00
28	TMP	1,1-Dichloropropene	2.000	2.140	-7.0	100	0.00
29	TMP	Carbon tetrachloride	2.000	2.051	-2.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.606	-6.1	100	0.00
31	TMP	Benzene	2.000	2.067	-3.4	100	0.00
32	TMP	Trichloroethene	2.000	2.055	-2.8	100	0.00
33	TMP	1,2-Dichloropropane	2.000	2.079	-4.0	100	0.00
34	TMP	Bromodichloromethane	2.000	2.000	0.0	100	0.00
35	S	Toluene-d8	10.000	9.992	0.1	100	0.00
36	TMP	Dibromomethane	2.000	2.089	-4.4	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	10.710	-7.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	2.000	2.063	-3.2	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	2.091	-4.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	2.091	-4.6	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	2.078	-3.9	100	0.00
43	TMP	2-Hexanone	10.000	10.949	-9.5	100	0.00
44	TMP	1,3-Dichloropropane	2.000	2.057	-2.8	100	0.00
45	TMP	Tetrachloroethene	2.000	2.103	-5.2	100	0.00
46	TMP	Dibromochloromethane	2.000	2.105	-5.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	2.092	-4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	2.000	2.157	-7.9	100	0.00
49	TMP	Ethylbenzene	2.000	2.088	-4.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	2.034	-1.7	100	0.00
51	TMP	m,p-Xylene	4.000	4.167	-4.2	100	0.00
52	TMP	o-Xylene	2.000	2.079	-4.0	100	0.00
53	TMP	Styrene	2.000	1.952	2.4	100	0.00
54	TMP	Isopropylbenzene	2.000	2.025	-1.2	100	0.00
55	TMP	Bromoform	2.000	2.078	-3.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.051	-0.5	100	0.00
58	TMP	n-Propylbenzene	2.000	1.986	0.7	100	0.00
59	TMP	Bromobenzene	2.000	1.976	1.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	2.006	-0.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	2.126	-6.3	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.190	-9.5	100	0.00
63	TMP	2-Chlorotoluene	2.000	2.034	-1.7	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.091	-4.6	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.998	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.973	1.3	100	0.00
67	TMP	sec-Butylbenzene	2.000	2.017	-0.8	100	0.00
68	TMP	p-Isopropyltoluene	2.000	2.030	-1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.994	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.037	-1.8	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	2.025	-1.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	1.954	2.3	100	0.00
73	TMP	1,2,4-Trichlorobenzene	2.000	1.962	1.9	100	0.00
74	TMP	Hexachlorobutadiene	2.000	2.084	-4.2	100	0.00
75	TMP	Naphthalene	2.000	1.997	0.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	2.062	-3.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.293	-1.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.673	11.6	100	0.00
5	TMP	Chloromethane	0.900	0.909	-1.0	100	0.00
6	TMP	Vinyl chloride	0.816	0.847	-3.8	107	0.00
7	TMP	Bromomethane	0.519	0.455	12.3	100	0.00
8	TMP	Chloroethane	0.410	0.412	-0.5	101	0.00
9	TMP	Trichlorofluoromethane	1.035	1.010	2.4	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.030	-25.0#	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.294	-2.8	107	0.00
13	TMP	Hexane	0.461	0.503	-9.1	100	0.00
14	TMP	Methylene chloride	0.702	2.129	-203.3#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.876	-5.0	104	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.307	5.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.993	-2.3	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.588	0.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.362	-2.0	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.376	-3.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.342	2.8	100	0.00
23	TMP	Chloroform	0.551	0.559	-1.5	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.146	-12.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.798	-2.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.431	10.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.504	1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.413	-7.0	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.425	-2.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.064	-4.9	100	0.00
31	TMP	Benzene	1.180	1.152	2.4	100	0.00
32	TMP	Trichloroethene	0.330	0.317	3.9	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.312	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.375	0.375	0.0	100	0.00
35	S	Toluene-d8	1.034	1.033	0.1	100	0.00
36	TMP	Dibromomethane	0.169	0.176	-4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.049	-8.9	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.426	-3.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.882	19.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.453	-4.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.254	-4.1	100	0.00
43	TMP	2-Hexanone	0.230	0.252	-9.6	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.460	-2.9	100	0.00
45	TMP	Tetrachloroethene	0.410	0.358	12.7	100	0.00
46	TMP	Dibromochloromethane	0.343	0.361	-5.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.316	2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	1.030	-7.9	100	0.00
49	TMP	Ethylbenzene	1.835	1.664	9.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.359	-1.7	100	0.00
51	TMP	m,p-Xylene	0.769	0.649	15.6	100	0.00
52	TMP	o-Xylene	0.707	0.641	9.3	100	0.00
53	TMP	Styrene	1.019	0.995	2.4	100	0.00
54	TMP	Isopropylbenzene	1.597	1.617	-1.3	100	0.00
55	TMP	Bromoform	0.228	0.226	0.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.839	-0.5	100	0.00
58	TMP	n-Propylbenzene	3.173	3.150	0.7	100	0.00
59	TMP	Bromobenzene	0.796	0.786	1.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.353	-0.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.693	-6.3	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.533	-9.4	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.955	-1.7	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.290	-4.6	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.058	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.377	1.4	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.065	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.664	-1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.488	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.533	-1.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.486	-1.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.115	2.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.073	1.9	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.650	-4.3	100	0.00
75	TMP	Naphthalene	2.138	2.134	0.2	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	1.013	-3.1	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	69119	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	58593	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	33534	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	20234	10.110	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%				
30) 1,2-Dichloroethane-d4	4.36	102	4446	10.606	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 106.10%				
35) Toluene-d8	5.98	98	71402	9.992	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 99.90%				
57) 4-Bromofluorobenzene	8.38	95	28132	10.051	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 100.50%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	9309m	1.769	ppb		
5) Chloromethane	1.22	50	12570	2.021	ppb		93
6] Vinyl chloride	1.29	62	11705	2.075	ppb		100
7) Bromomethane	1.53	94	6289	1.754	ppb		85
8] Chloroethane	1.59	64	5700m	2.012	ppb		
9) Trichlorofluoromethane	1.79	101	13959m	1.952	ppb		
10) 2-Propanol	2.40	45	104	No Calib			
11) Acetone	2.26	58	2106	12.221	ppb	#	82
12] 1,1-Dichloroethene	2.18	96	4063	2.054	ppb		87
13) Hexane	3.05	57	6953	2.184	ppb		97
14) Methylene chloride	2.60	84	29433	2.061	ppb		94
15) t-Butyl alcohol (TBA)	2.75	59	2509	10.721	ppb		100
16] Methyl t-butyl ether (...	2.84	73	12104	2.099	ppb		98
17] trans-1,2-Dichloroethene	2.82	96	4246m	2.017	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	13731	2.046	ppb		98
19] 1,1-Dichloroethane	3.18	63	8131	1.990	ppb		98
20) Ethyl t-butyl ether (E...	3.55	87	5011	2.045	ppb		91
21) 2,2-Dichloropropane	3.66	77	5201	2.137	ppb		94
22] cis-1,2-Dichloroethene	3.67	96	4734	2.041	ppb		95
23) Chloroform	3.94	83	7732	2.030	ppb		92
24) 2-Butanone (MEK)	3.71	43	10070	11.212	ppb		96
25) t-Amyl methyl ether (T...	4.50	73	11029	2.049	ppb		94
26] 1,2-Dichloroethane (EDC)	4.42	62	5958	2.067	ppb		97
27] 1,1,1-Trichloroethane	4.08	97	6967	1.980	ppb		96
28) 1,1-Dichloropropene	4.22	75	5703	2.140	ppb		94
29) Carbon tetrachloride	4.21	117	5872	2.051	ppb		99
31] Benzene	4.39	78	15924	2.067	ppb		95
32] Trichloroethene	4.93	95	4386	2.055	ppb		88
33) 1,2-Dichloropropane	5.13	63	4307	2.079	ppb		97
34) Bromodichloromethane	5.37	83	5188	2.000	ppb		96
36) Dibromomethane	5.23	93	2439	2.089	ppb		96
37) 4-Methyl-2-pentanone	5.91	85	3354	10.710	ppb		98
38) cis-1,3-Dichloropropene	5.75	75	5895	2.063	ppb		93
40] Toluene	6.04	92	10336	2.091	ppb		91
41) trans-1,3-Dichloropropene	6.25	75	5312	2.091	ppb		95

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

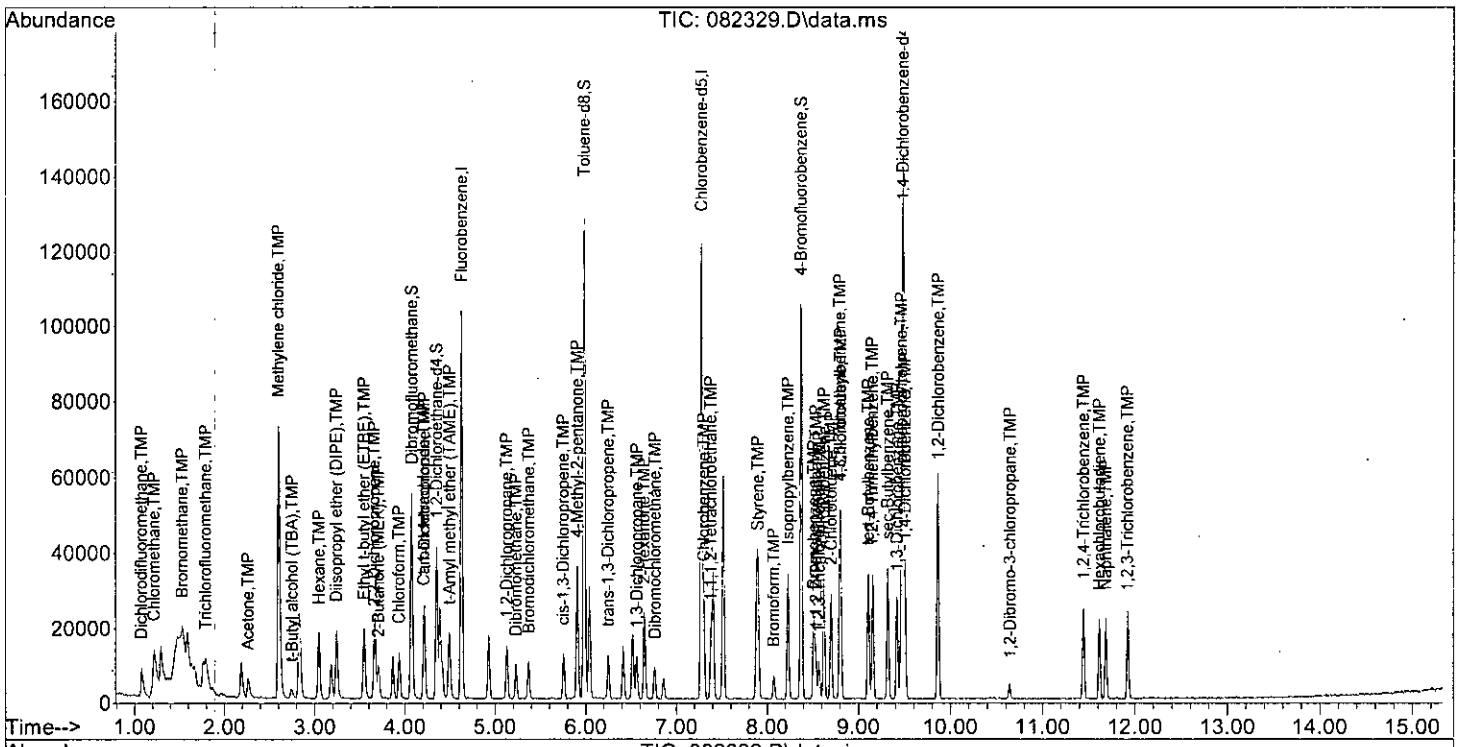
Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

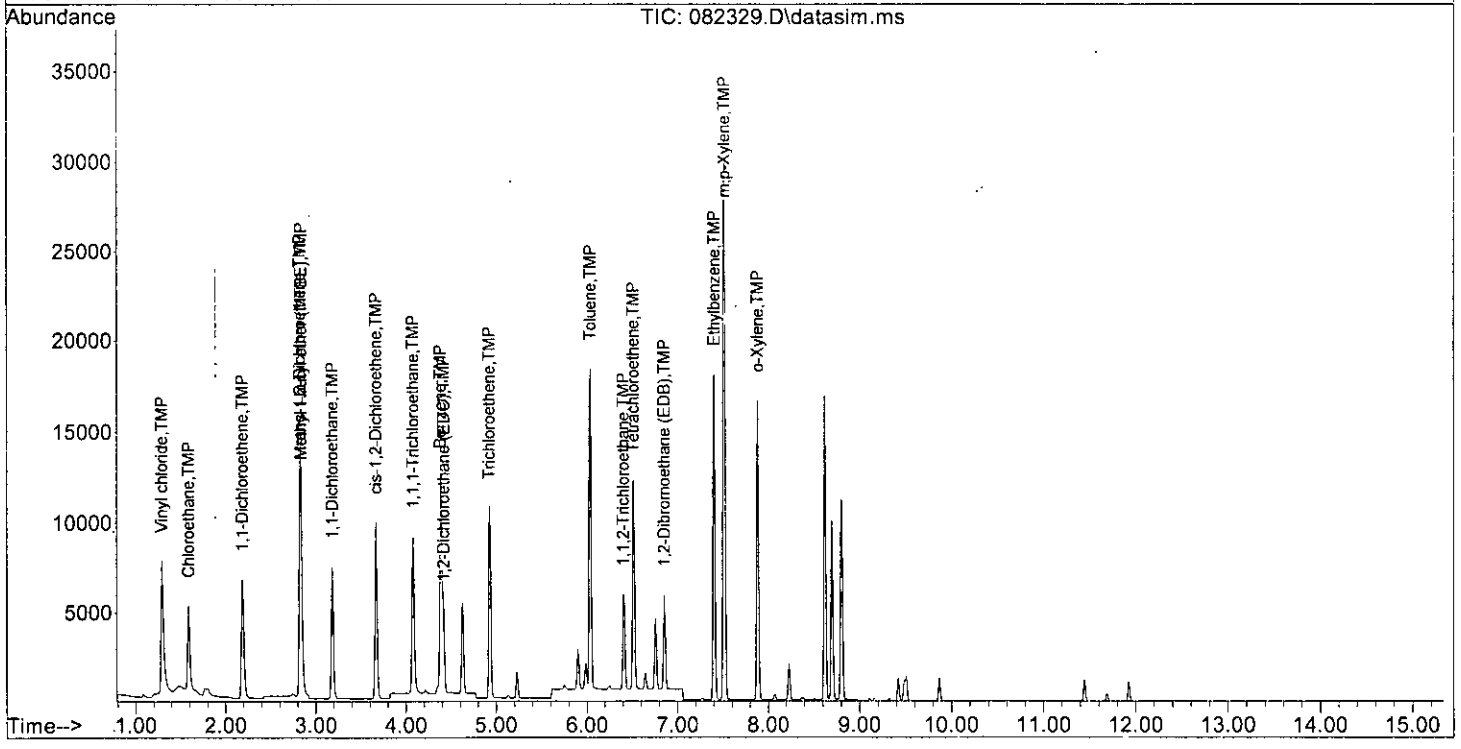
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	2971	2.078	ppb	94
43) 2-Hexanone	6.64	43	14763	10.949	ppb	98
44) 1,3-Dichloropropane	6.57	76	5385	2.057	ppb	85
45] Tetrachloroethene	6.51	164	4198	2.103	ppb	98
46) Dibromochloromethane	6.76	129	4235	2.105	ppb	92
47] 1,2-Dibromoethane (EDB)	6.85	107	3705	2.092	ppb	99
48) Chlorobenzene	7.30	112	12069	2.157	ppb	97
49] Ethylbenzene	7.41	91	19505	2.088	ppb	86
50) 1,1,1,2-Tetrachloroethane	7.38	131	4207	2.034	ppb	89
51] m,p-Xylene	7.52	106	15222	4.167	ppb	96
52] o-Xylene	7.88	106	7509	2.079	ppb	100
53) Styrene	7.90	104	11660	1.952	ppb	99
54) Isopropylbenzene	8.23	105	18953	2.025	ppb	92
55) Bromoform	8.07	173	2645	2.078	ppb	99
58) n-Propylbenzene	8.63	91	21124	1.986	ppb	95
59) Bromobenzene	8.52	156	5274	1.976	ppb	83
60) 1,3,5-Trimethylbenzene	8.80	105	15782	2.006	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	4651	2.126	ppb	89
62) 1,2,3-Trichloropropane	8.57	75	3577	2.190	ppb	96
63) 2-Chlorotoluene	8.70	91	13115	2.034	ppb	100
64) 4-Chlorotoluene	8.81	91	15359	2.091	ppb	96
65) tert-Butylbenzene	9.11	119	13805	1.998	ppb	93
66) 1,2,4-Trimethylbenzene	9.15	105	15942	1.973	ppb	93
67) sec-Butylbenzene	9.32	105	20556	2.017	ppb	99
68) p-Isopropyltoluene	9.47	119	17868	2.030	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	9980	1.994	ppb	93
70) 1,4-Dichlorobenzene	9.51	146	10279	2.037	ppb	99
71) 1,2-Dichlorobenzene	9.87	146	9964	2.025	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.65	75	772	1.954	ppb	84
73) 1,2,4-Trichlorobenzene	11.44	180	7198	1.962	ppb	99
74) Hexachlorobutadiene	11.61	225	4357	2.084	ppb	98
75) Naphthalene	11.69	128	14313	1.997	ppb	95
76) 1,2,3-Trichlorobenzene	11.92	180	6797	2.062	ppb	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082329.D
Acq On : 23 Aug 2022 08:51 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-74L
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:57:29 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

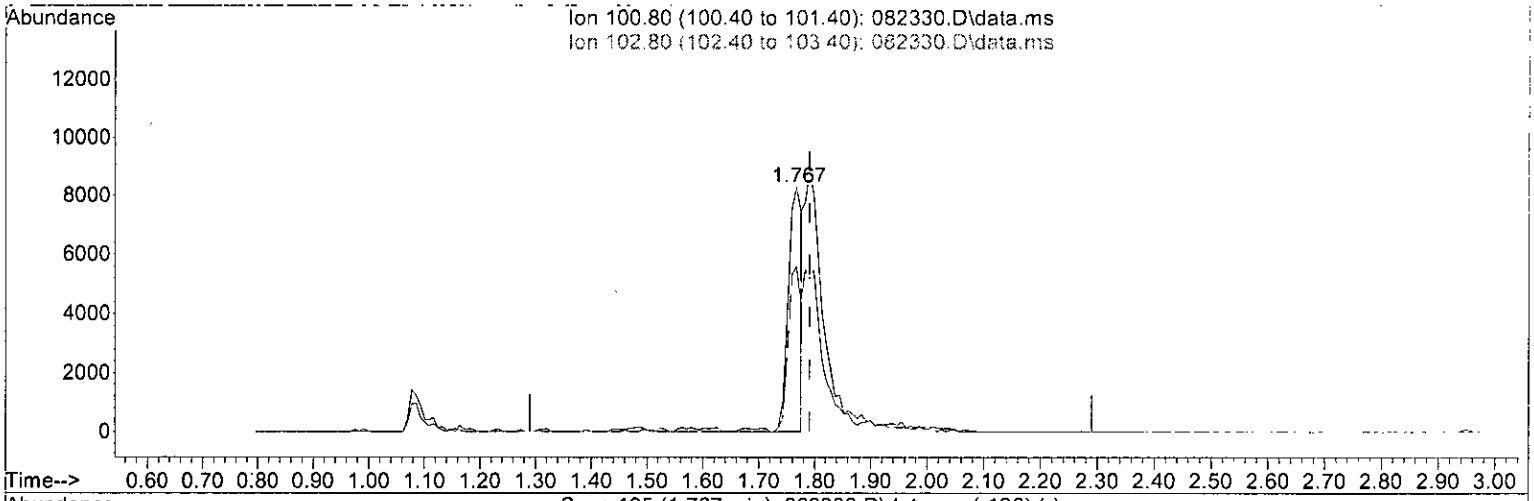


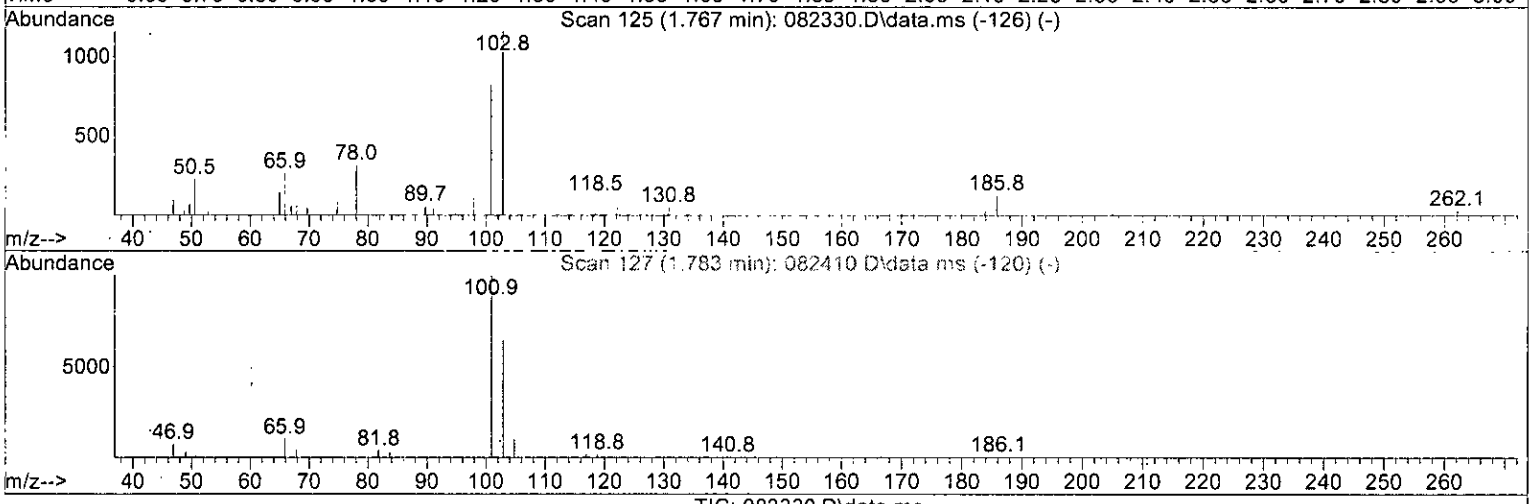


Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:42 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082330.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.024) 1.837 ppb

response 133777

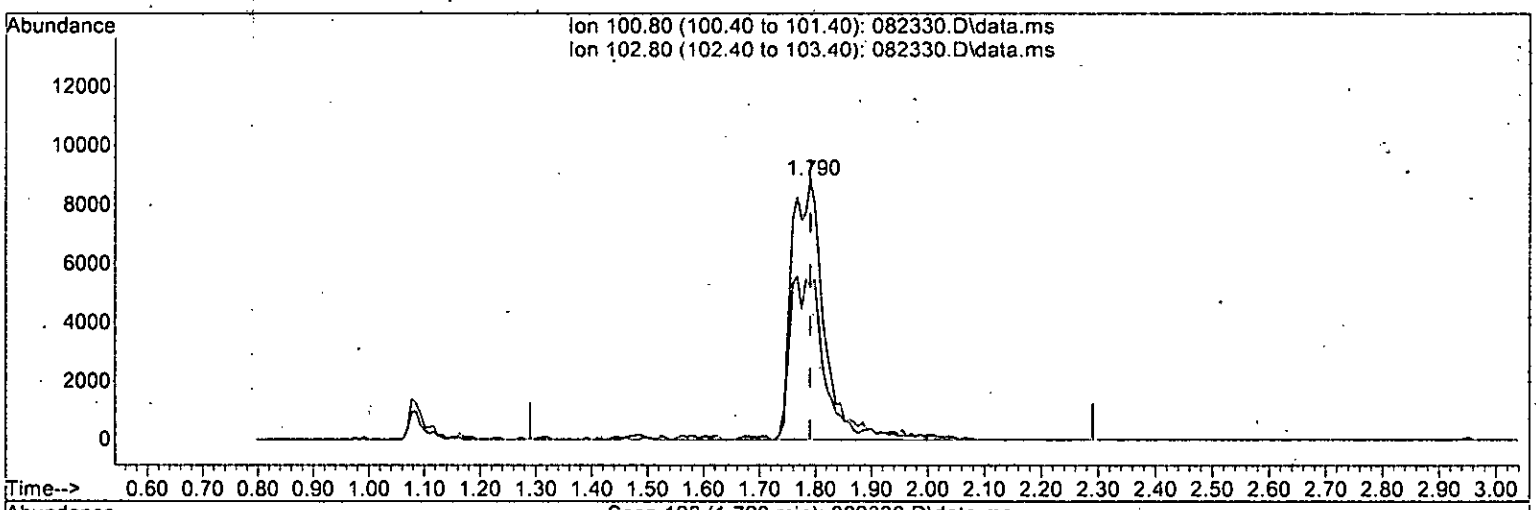
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	67.49
0.00	0.00	0.00
0.00	0.00	0.00

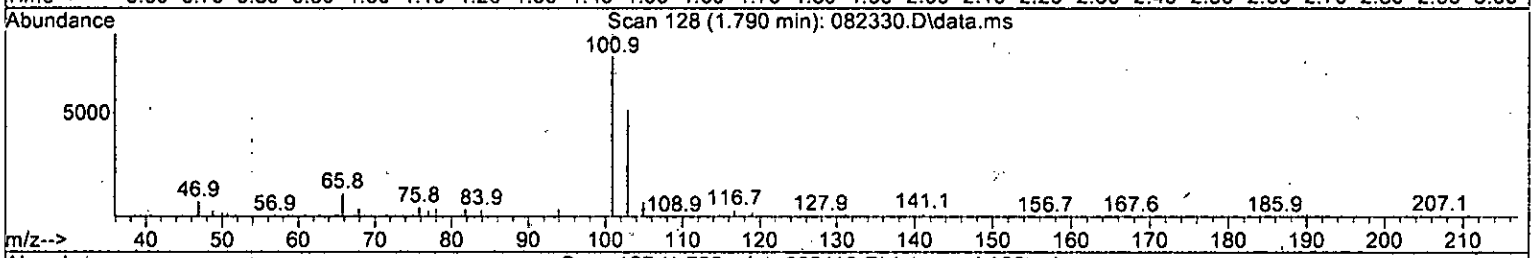
8/26 JCM

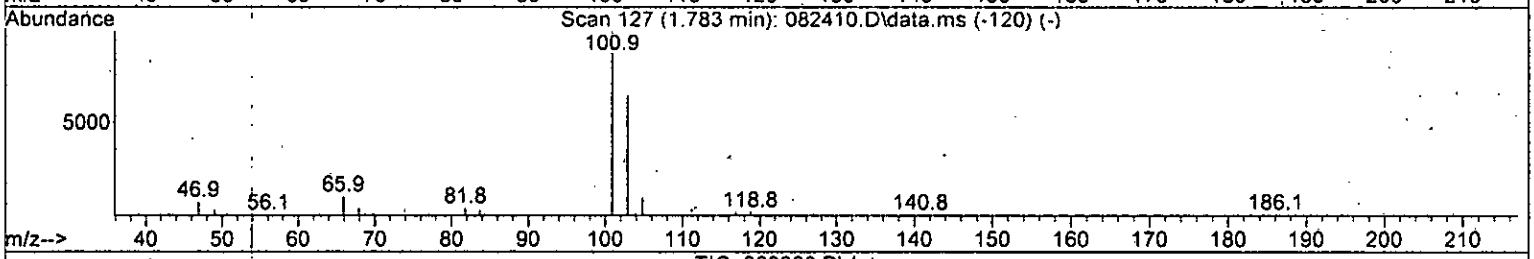
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:42 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082330.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.790min (-0.001) 5.004 ppb m

response 36434

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	58.84
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.267	-2.7	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.113	-2.3	95	0.00
5	TMP	Chloromethane	5.000	5.334	-6.7	100	0.00
6	TMP	Vinyl chloride	5.000	5.406	-8.1	100	0.00
7	TMP	Bromomethane	5.000	5.738	-14.8	121	0.00
8	TMP	Chloroethane	5.000	5.364	-7.3	100	0.00
9	TMP	Trichlorofluoromethane	5.000	5.004	-0.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.40#
11	TMP	Acetone	25.000	25.440	-1.8	100	0.00
12	TMP	1,1-Dichloroethene	5.000	4.977	0.5	100	0.00
13	TMP	Hexane	5.000	4.800	4.0	100	0.00
14	TMP	Methylene chloride	5.000	4.174	16.5	100	0.00
15	TMP	t-Butyl alcohol (TBA)	25.000	26.079	-4.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.051	-1.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	5.000	5.317	-6.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	5.000	5.014	-0.3	100	0.00
19	TMP	1,1-Dichloroethane	5.000	5.202	-4.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	4.807	3.9	100	0.00
21	TMP	2,2-Dichloropropane	5.000	4.945	1.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.003	-0.1	100	0.00
23	TMP	Chloroform	5.000	4.847	3.1	100	0.00
24	TMP	2-Butanone (MEK)	25.000	23.136	7.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.945	1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	4.990	0.2	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	4.866	2.7	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.819	3.6	100	0.00
29	TMP	Carbon tetrachloride	5.000	5.035	-0.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.680	3.2	100	0.00
31	TMP	Benzene	5.000	5.014	-0.3	100	0.00
32	TMP	Trichloroethene	5.000	4.995	0.1	100	0.00
33	TMP	1,2-Dichloropropane	5.000	5.070	-1.4	100	0.00
34	TMP	Bromodichloromethane	5.000	4.874	2.5	100	0.00
35	S	Toluene-d8	10.000	10.356	-3.6	100	0.00
36	TMP	Dibromomethane	5.000	5.001	-0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	24.956	0.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	5.068	-1.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.096	-1.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.837	3.3	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	4.973	0.5	100	0.00
43	TMP	2-Hexanone	25.000	25.125	-0.5	100	0.00
44	TMP	1,3-Dichloropropane	5.000	4.916	1.7	100	0.00
45	TMP	Tetrachloroethene	5.000	4.960	0.8	100	0.00
46	TMP	Dibromochloromethane	5.000	4.952	1.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	5.002	-0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	5.000	4.849	3.0	100	0.00
49	TMP	Ethylbenzene	5.000	5.026	-0.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.694	6.1	100	0.00
51	TMP	m,p-Xylene	10.000	9.980	0.2	100	0.00
52	TMP	o-Xylene	5.000	4.957	0.9	100	0.00
53	TMP	Styrene	5.000	4.790	4.2	100	0.00
54	TMP	Isopropylbenzene	5.000	4.943	1.1	100	0.00
55	TMP	Bromoform	5.000	4.995	0.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.940	0.6	100	0.00
58	TMP	n-Propylbenzene	5.000	4.951	1.0	100	0.00
59	TMP	Bromobenzene	5.000	5.004	-0.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	4.805	3.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	5.084	-1.7	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	4.799	4.0	100	0.00
63	TMP	2-Chlorotoluene	5.000	4.811	3.8	100	0.00
64	TMP	4-Chlorotoluene	5.000	4.984	0.3	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.964	0.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.848	3.0	100	0.00
67	TMP	sec-Butylbenzene	5.000	4.980	0.4	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.970	0.6	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.844	3.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.830	3.4	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.921	1.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.845	3.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	5.000	4.807	3.9	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.882	2.4	100	0.00
75	TMP	Naphthalene	5.000	4.658	6.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.810	3.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.297	-2.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.778	-2.2	95	0.00
5	TMP	Chloromethane	0.900	0.960	-6.7	100	0.00
6	TMP	Vinyl chloride	0.816	0.883	-8.2	100	0.00
7	TMP	Bromomethane	0.519	0.595	-14.6	121	0.00
8	TMP	Chloroethane	0.410	0.440	-7.3	100	0.00
9	TMP	Trichlorofluoromethane	1.035	1.035	0.0	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.024	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.285	0.3	100	0.00
13	TMP	Hexane	0.461	0.442	4.1	100	0.00
14	TMP	Methylene chloride	0.702	0.977	-39.2#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.035	-2.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.843	-1.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.323	0.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.974	-0.3	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.615	-4.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.341	3.9	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.339	6.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.335	4.8	100	0.00
23	TMP	Chloroform	0.551	0.534	3.1	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.119	8.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.770	1.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.413	14.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.495	2.8	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.372	3.6	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.417	-0.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.059	3.3	100	0.00
31	TMP	Benzene	1.180	1.115	5.5	100	0.00
32	TMP	Trichloroethene	0.330	0.307	7.0	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.304	-1.3	100	0.00
34	TMP	Bromodichloromethane	0.375	0.366	2.4	100	0.00
35	S	Toluene-d8	1.034	1.071	-3.6	100	0.00
36	TMP	Dibromomethane	0.169	0.169	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.419	-1.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.831	24.0#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.419	3.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.243	0.4	100	0.00
43	TMP	2-Hexanone	0.230	0.231	-0.4	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.439	1.8	100	0.00
45	TMP	Tetrachloroethene	0.410	0.335	18.3	100	0.00
46	TMP	Dibromochloromethane	0.343	0.340	0.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.301	7.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.926	3.0	100	0.00
49	TMP	Ethylbenzene	1.835	1.591	13.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.331	6.2	100	0.00
51	TMP	m,p-Xylene	0.769	0.615	20.0#	100	0.00
52	TMP	o-Xylene	0.707	0.607	14.1	100	0.00
53	TMP	Styrene	1.019	0.976	4.2	100	0.00
54	TMP	Isopropylbenzene	1.597	1.579	1.1	100	0.00
55	TMP	Bromoform	0.228	0.221	3.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.830	0.6	100	0.00
58	TMP	n-Propylbenzene	3.173	3.142	1.0	100	0.00
59	TMP	Bromobenzene	0.796	0.797	-0.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.255	3.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.663	-1.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.467#	4.1	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.850	3.8	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.183	0.3	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.046	0.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.337	3.0	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.027	0.4	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.610	0.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.446	3.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.454	3.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.444	1.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.114	3.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.052	3.8	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.609	2.2	100	0.00
75	TMP	Naphthalene	2.138	1.991	6.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.946	3.8	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	70384	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	62465	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	35158	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	20925	10.267	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.70%				
30) 1,2-Dichloroethane-d4	4.36	102	4132	9.680	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 96.80%				
35) Toluene-d8	5.98	98	75363	10.356	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.60%				
57) 4-Bromofluorobenzene	8.38	95	29168	9.940	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.40%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	27391	5.113	ppb		97
5) Chloromethane	1.22	50	33775	5.334	ppb		97
6] Vinyl chloride	1.29	62	31062	5.406	ppb		99
7) Bromomethane	1.53	94	20950	5.738	ppb		99
8] Chloroethane	1.59	64	15477	5.364	ppb		93
9) Trichlorofluoromethane	1.79	101	36434m	5.004	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.26	58	4212	25.440	ppb		97
12] 1,1-Dichloroethene	2.19	96	10024	4.977	ppb		97
13) Hexane	3.05	57	15563	4.800	ppb		95
14) Methylene chloride	2.61	84	34398	4.174	ppb		95
15) t-Butyl alcohol (TBA)	2.74	59	6215	26.079	ppb		100
16] Methyl t-butyl ether (...	2.84	73	29655	5.051	ppb		99
17] trans-1,2-Dichloroethene	2.83	96	11362	5.317	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	34261	5.014	ppb		97
19] 1,1-Dichloroethane	3.18	63	21639	5.202	ppb		98
20) Ethyl t-butyl ether (E...	3.55	87	11997	4.807	ppb	#	85
21) 2,2-Dichloropropane	3.67	77	11931	4.945	ppb		99
22] cis-1,2-Dichloroethene	3.67	96	11789	5.003	ppb		98
23) Chloroform	3.95	83	18798	4.847	ppb		93
24) 2-Butanone (MEK)	3.71	43	20891	23.136	ppb		98
25) t-Amyl methyl ether (T...	4.50	73	27105	4.945	ppb		97
26] 1,2-Dichloroethane (EDC)	4.42	62	14541	4.990	ppb		98
27] 1,1,1-Trichloroethane	4.08	97	17435	4.866	ppb		97
28) 1,1-Dichloropropene	4.22	75	13077	4.819	ppb		96
29) Carbon tetrachloride	4.21	117	14677	5.035	ppb		88
31] Benzene	4.39	78	39231	5.014	ppb		97
32] Trichloroethene	4.93	95	10818	4.995	ppb		86
33) 1,2-Dichloropropane	5.13	63	10697	5.070	ppb		95
34) Bromodichloromethane	5.37	83	12875	4.874	ppb		95
36) Dibromomethane	5.23	93	5944	5.001	ppb		97
37) 4-Methyl-2-pentanone	5.91	85	7958	24.956	ppb		99
38) cis-1,3-Dichloropropene	5.75	75	14746	5.068	ppb		99
40] Toluene	6.04	92	25969	5.096	ppb		93
41) trans-1,3-Dichloropropene	6.25	75	13102	4.837	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

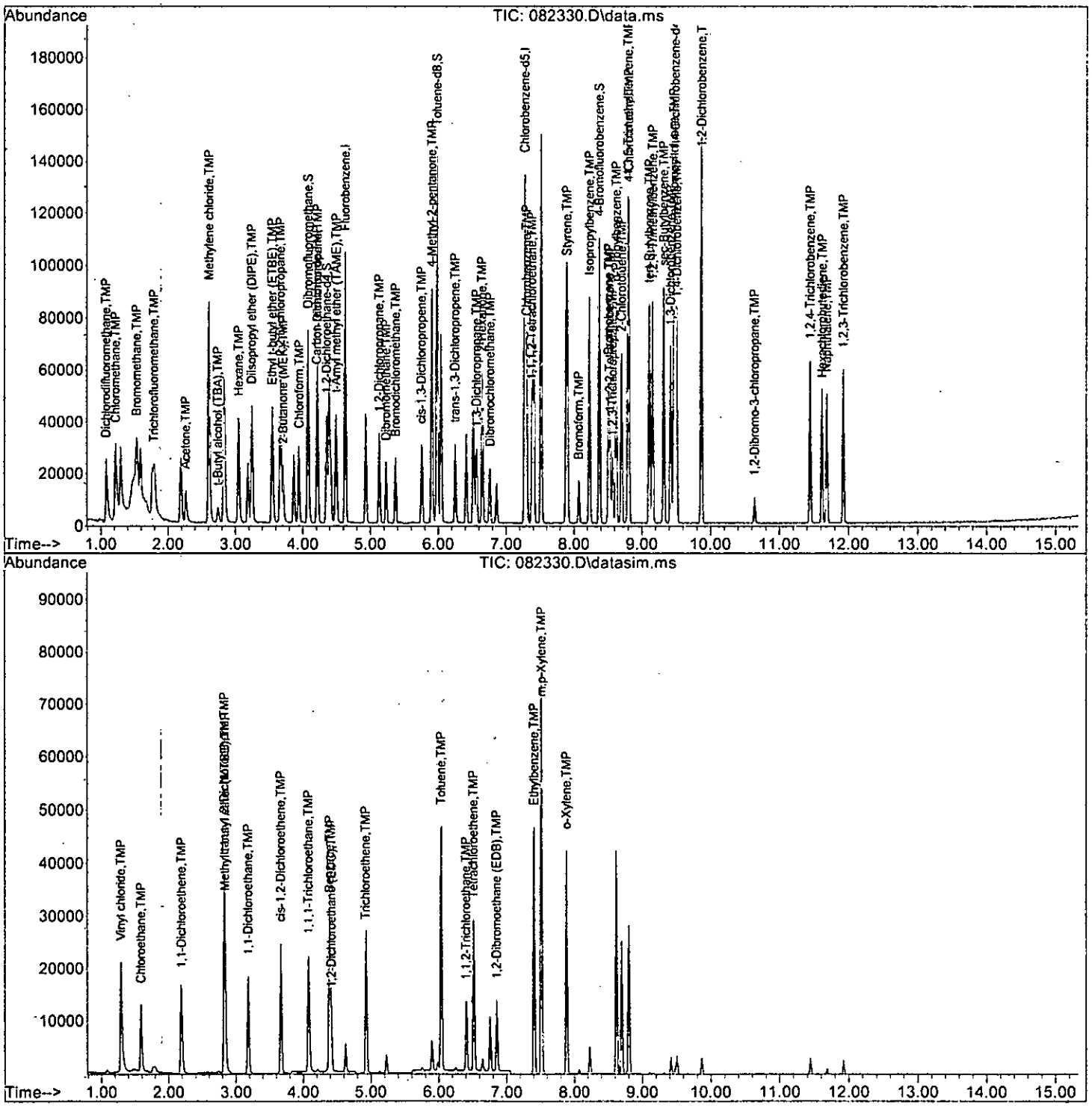
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	7582	4.973	ppb	94
43) 2-Hexanone	6.64	43	36117	25.125	ppb	99
44) 1,3-Dichloropropane	6.57	76	13717	4.916	ppb	99
45] Tetrachloroethene	6.51	164	10454	4.960	ppb	98
46) Dibromochloromethane	6.76	129	10624	4.952	ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	9413	5.002	ppb	98
48) Chlorobenzene	7.30	112	28920	4.849	ppb	98
49] Ethylbenzene	7.41	91	49697	5.026	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.38	131	10352	4.694	ppb	96
51] m,p-Xylene	7.52	106	38434	9.980	ppb	95
52] o-Xylene	7.88	106	18956	4.957	ppb	96
53) Styrene	7.90	104	30493	4.790	ppb	96
54) Isopropylbenzene	8.23	105	49316	4.943	ppb	99
55) Bromoform	8.07	173	6914	4.995	ppb	98
58) n-Propylbenzene	8.63	91	55225	4.951	ppb	97
59) Bromobenzene	8.52	156	14002	5.004	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	39639	4.805	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	11659	5.084	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	8217	4.799	ppb	92
63) 2-Chlorotoluene	8.70	91	32524	4.811	ppb	97
64) 4-Chlorotoluene	8.81	91	38375	4.984	ppb	98
65) tert-Butylbenzene	9.11	119	35967	4.964	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	41077	4.848	ppb	97
67) sec-Butylbenzene	9.32	105	53204	4.980	ppb	98
68) p-Isopropyltoluene	9.47	119	45873	4.970	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	25420	4.844	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	25557	4.830	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	25384	4.921	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.64	75	2007	4.845	ppb	99
73) 1,2,4-Trichlorobenzene	11.44	180	18489	4.807	ppb	94
74) Hexachlorobutadiene	11.62	225	10700	4.882	ppb	95
75) Naphthalene	11.69	128	35005	4.658	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	16621	4.810	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082330.D
Acq On : 23 Aug 2022 09:13 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-74M
Misc :
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

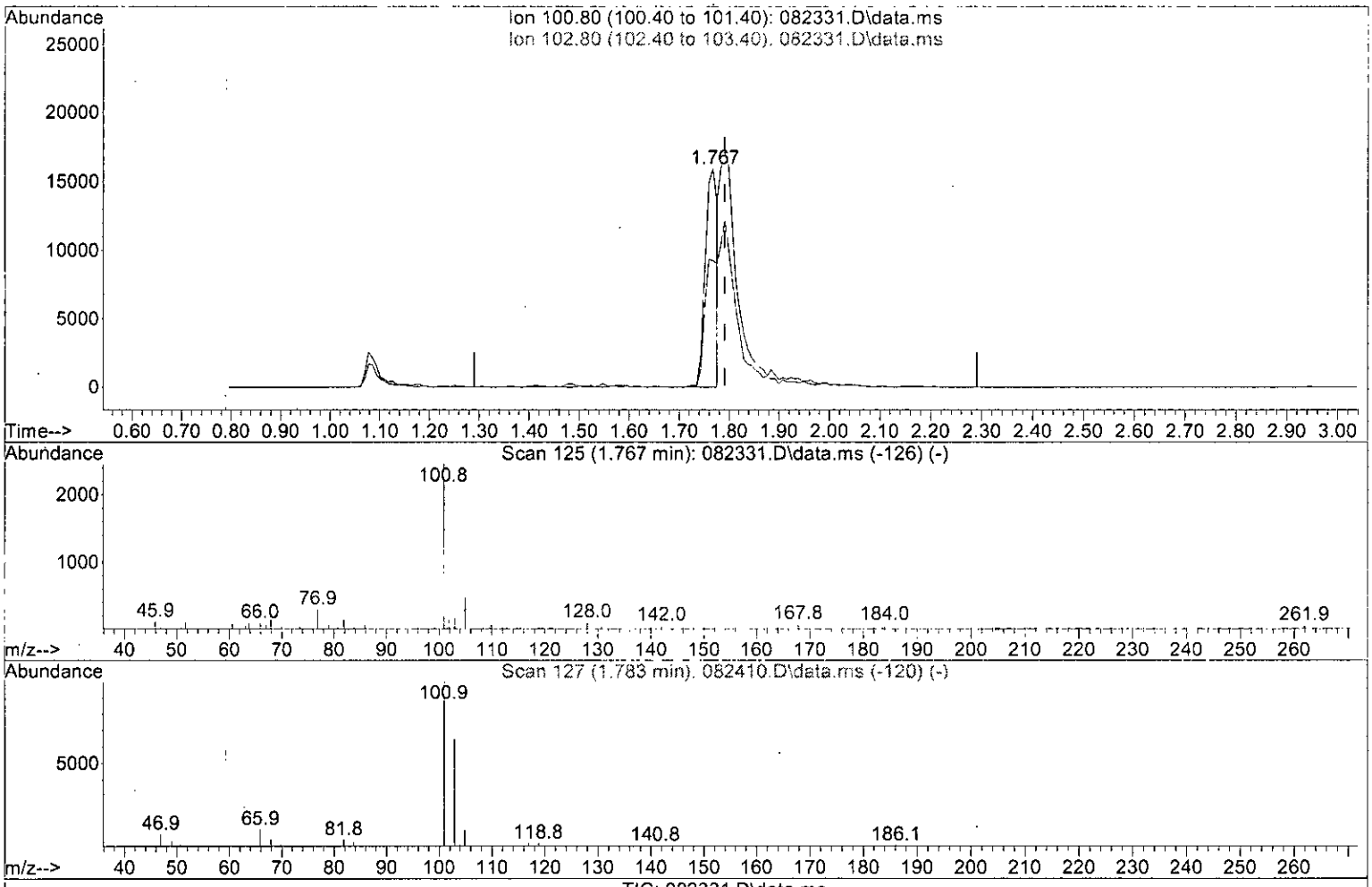
Quant Time: Aug 26 19:58:24 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:44 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082331.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.024) 3.699 ppb

response 26117

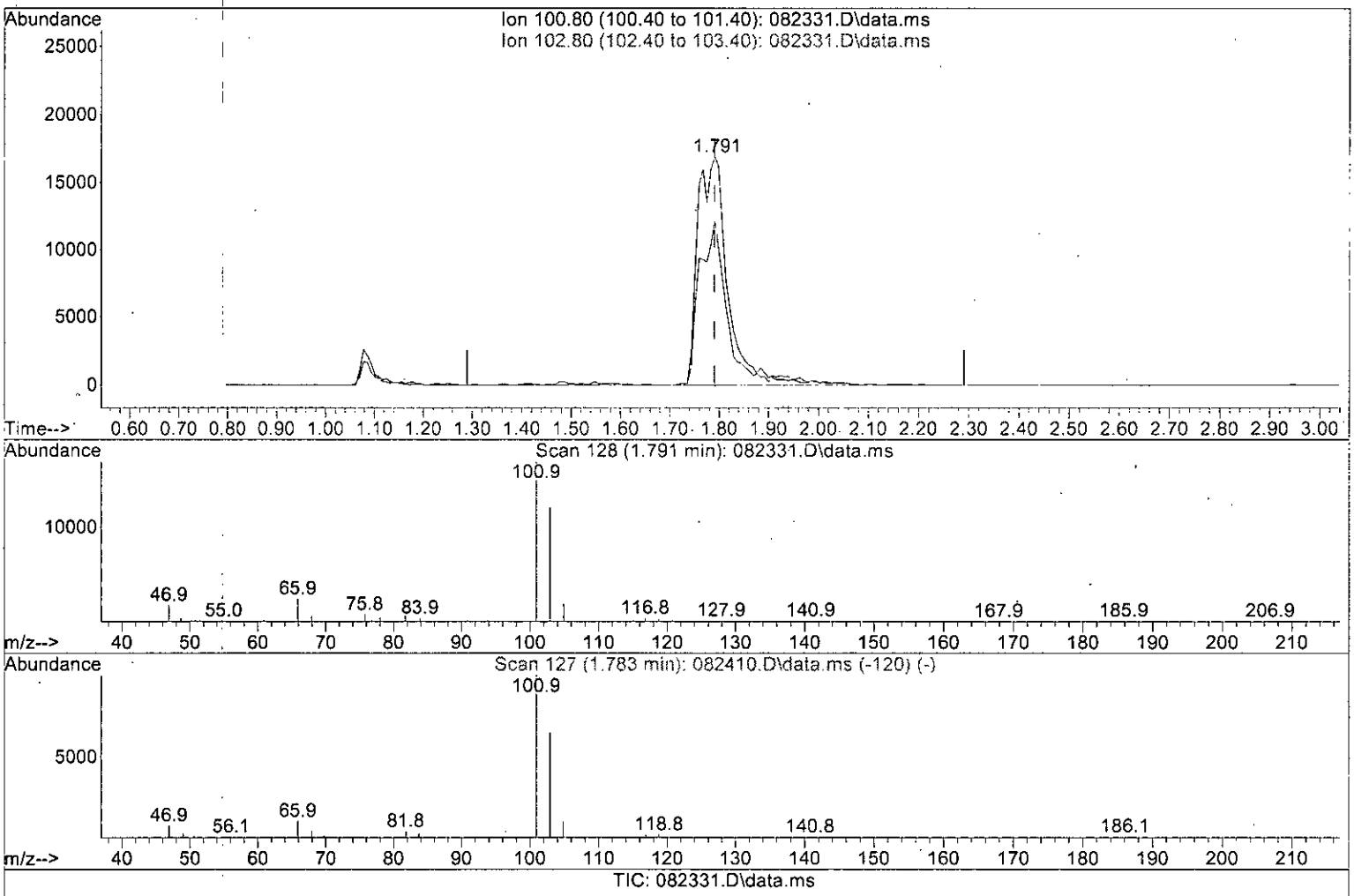
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	57.42
0.00	0.00	0.00
0.00	0.00	0.00

8/26 am

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:44 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082331.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.791min (-0.000) 10.697 ppb m

response 75530

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	71.98
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.291	-2.9	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.815	-8.1	100	0.00
5	TMP	Chloromethane	10.000	10.092	-0.9	100	0.00
6	TMP	Vinyl chloride	10.000	11.020	-10.2	100	0.00
7	TMP	Bromomethane	10.000	11.543	-15.4	100	0.00
8	TMP	Chloroethane	10.000	10.816	-8.2	100	0.00
9	TMP	Trichlorofluoromethane	10.000	10.697	-7.0	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	47.974	4.1	100	0.00
12	TMP	1,1-Dichloroethene	10.000	10.024	-0.2	100	0.00
13	TMP	Hexane	10.000	9.764	2.4	100	0.00
14	TMP	Methylene chloride	10.000	11.473	-14.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	50.816	-1.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.246	-2.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.612	-6.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.179	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.029	-0.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.365	-3.7	100	0.00
21	TMP	2,2-Dichloropropane	10.000	10.624	-6.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.728	-7.3	100	0.00
23	TMP	Chloroform	10.000	9.997	0.0	100	0.00
24	TMP	2-Butanone (MEK)	50.000	50.932	-1.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.416	-4.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.332	-3.3	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.043	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	10.000	9.816	1.8	100	0.00
29	TMP	Carbon tetrachloride	10.000	10.282	-2.8	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.142	-1.4	100	0.00
31	TMP	Benzene	10.000	10.344	-3.4	100	0.00
32	TMP	Trichloroethene	10.000	10.309	-3.1	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.884	1.2	100	0.00
34	TMP	Bromodichloromethane	10.000	10.075	-0.7	100	0.00
35	S	Toluene-d8	10.000	10.368	-3.7	100	0.00
36	TMP	Dibromomethane	10.000	10.116	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	50.886	-1.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.791	-7.9	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	10.423	-4.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.869	1.3	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.108	-1.1	100	0.00
43	TMP	2-Hexanone	50.000	49.732	0.5	100	0.00
44	TMP	1,3-Dichloropropane	10.000	9.976	0.2	100	0.00
45	TMP	Tetrachloroethene	10.000	10.085	-0.9	100	0.00
46	TMP	Dibromochloromethane	10.000	10.388	-3.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.151	-1.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	10.060	-0.6	100	0.00
49	TMP	Ethylbenzene	10.000	10.256	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.082	-0.8	100	0.00
51	TMP	m,p-Xylene	20.000	20.329	-1.6	100	0.00
52	TMP	o-Xylene	10.000	10.135	-1.3	100	0.00
53	TMP	Styrene	10.000	9.922	0.8	100	0.00
54	TMP	Isopropylbenzene	10.000	9.910	0.9	100	0.00
55	TMP	Bromoform	10.000	10.109	-1.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.128	-1.3	100	0.00
58	TMP	n-Propylbenzene	10.000	10.059	-0.6	100	0.00
59	TMP	Bromobenzene	10.000	10.509	-5.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.854	1.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.295	-2.9	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.550	4.5	100	0.00
63	TMP	2-Chlorotoluene	10.000	9.953	0.5	100	0.00
64	TMP	4-Chlorotoluene	10.000	10.046	-0.5	100	0.00
65	TMP	tert-Butylbenzene	10.000	10.022	-0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.871	1.3	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.112	-1.1	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.168	-1.7	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.971	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.983	0.2	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.891	1.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.802	2.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.686	3.1	100	0.00
74	TMP	Hexachlorobutadiene	10.000	10.071	-0.7	100	0.00
75	TMP	Naphthalene	10.000	9.735	2.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.918	0.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.298	-2.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.823	-8.1	100	0.00
5	TMP	Chloromethane	0.900	0.908	-0.9	100	0.00
6	TMP	Vinyl chloride	0.816	0.900	-10.3	100	0.00
7	TMP	Bromomethane	0.519	0.599	-15.4	100	0.00
8	TMP	Chloroethane	0.410	0.443	-8.0	100	0.00
9	TMP	Trichlorofluoromethane	1.035	1.107	-7.0	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.022	8.3	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.287	-0.3	100	0.00
13	TMP	Hexane	0.461	0.450	2.4	100	0.00
14	TMP	Methylene chloride	0.702	0.706	-0.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.855	-2.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.322	0.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.988	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.593	-0.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.368	-3.7	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.360	1.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.359	-2.0	100	0.00
23	TMP	Chloroform	0.551	0.551	0.0	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.130	0.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.811	-4.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.427	11.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.511	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.378	2.1	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.426	-2.9	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.062	-1.6	100	0.00
31	TMP	Benzene	1.180	1.149	2.6	100	0.00
32	TMP	Trichloroethene	0.330	0.317	3.9	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.296	1.3	100	0.00
34	TMP	Bromodichloromethane	0.375	0.378	-0.8	100	0.00
35	S	Toluene-d8	1.034	1.072	-3.7	100	0.00
36	TMP	Dibromomethane	0.169	0.171	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.046	-2.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.446	-8.0	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.840	23.1#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.428	1.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.247	-1.2	100	0.00
43	TMP	2-Hexanone	0.230	0.229	0.4	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.446	0.2	100	0.00
45	TMP	Tetrachloroethene	0.410	0.339	17.3	100	0.00
46	TMP	Dibromochloromethane	0.343	0.357	-4.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.305	6.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.961	-0.6	100	0.00
49	TMP	Ethylbenzene	1.835	1.619	11.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.356	-0.8	100	0.00
51	TMP	m,p-Xylene	0.769	0.624	18.9	100	0.00
52	TMP	o-Xylene	0.707	0.619	12.4	100	0.00
53	TMP	Styrene	1.019	1.011	0.8	100	0.00
54	TMP	Isopropylbenzene	1.597	1.583	0.9	100	0.00
55	TMP	Bromoform	0.228	0.227	0.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.845	-1.2	100	0.00
58	TMP	n-Propylbenzene	3.173	3.191	-0.6	100	0.00
59	TMP	Bromobenzene	0.796	0.836	-5.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.312	1.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.672	-3.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.465#	4.5	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.914	0.5	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.200	-0.5	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.065	-0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.379	1.3	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.072	-1.1	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.669	-1.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.488	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.502	0.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.451	1.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.116	1.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.060	3.1	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.628	-0.8	100	0.00
75	TMP	Naphthalene	2.138	2.081	2.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.975	0.8	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	68251	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	61615	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34588	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	20338	10.291	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.90%				
30) 1,2-Dichloroethane-d4	4.36	102	4198	10.142	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 101.40%				
35) Toluene-d8	5.98	98	73159	10.368	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.70%				
57) 4-Bromofluorobenzene	8.38	95	29236	10.128	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.30%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	56183	10.815	ppb		97
5) Chloromethane	1.22	50	61967	10.092	ppb		98
6] Vinyl chloride	1.29	62	61395	11.020	ppb		98
7) Bromomethane	1.53	94	40865	11.543	ppb		97
8] Chloroethane	1.59	64	30260	10.816	ppb		93
9) Trichlorofluoromethane	1.79	101	75530m	10.697	ppb		
10) 2-Propanol	2.40	45	143	No Calib			
11) Acetone	2.26	58	7507	47.974	ppb	#	83
12] 1,1-Dichloroethene	2.19	96	19579	10.024	ppb		95
13) Hexane	3.05	57	30699	9.764	ppb		99
14) Methylene chloride	2.61	84	48166	11.473	ppb		95
15) t-Butyl alcohol (TBA)	2.73	59	11743	50.816	ppb		96
16] Methyl t-butyl ether (...	2.84	73	58326	10.246	ppb		100
17] trans-1,2-Dichloroethene	2.83	96	21967	10.612	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	67444	10.179	ppb		96
19] 1,1-Dichloroethane	3.18	63	40456	10.029	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	25085	10.365	ppb		98
21) 2,2-Dichloropropane	3.67	77	24581	10.624	ppb		100
22] cis-1,2-Dichloroethene	3.67	96	24491	10.728	ppb		97
23) Chloroform	3.94	83	37594	9.997	ppb		99
24) 2-Butanone (MEK)	3.71	43	44301	50.932	ppb		100
25) t-Amyl methyl ether (T...	4.50	73	55360	10.416	ppb		99
26] 1,2-Dichloroethane (EDC)	4.42	62	29113	10.332	ppb		98
27] 1,1,1-Trichloroethane	4.08	97	34894	10.043	ppb		96
28) 1,1-Dichloropropene	4.22	75	25833	9.816	ppb		99
29) Carbon tetrachloride	4.21	117	29063	10.282	ppb		99
31] Benzene	4.39	78	78402	10.344	ppb		96
32] Trichloroethene	4.93	95	21624	10.309	ppb		85
33) 1,2-Dichloropropane	5.13	63	20220	9.884	ppb		99
34) Bromodichloromethane	5.37	83	25806	10.075	ppb		99
36) Dibromomethane	5.23	93	11660	10.116	ppb		97
37) 4-Methyl-2-pentanone	5.91	85	15735	50.886	ppb		87
38) cis-1,3-Dichloropropene	5.75	75	30448	10.791	ppb		94
40] Toluene	6.04	92	51753	10.423	ppb		92
41) trans-1,3-Dichloropropene	6.25	75	26365	9.869	ppb		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

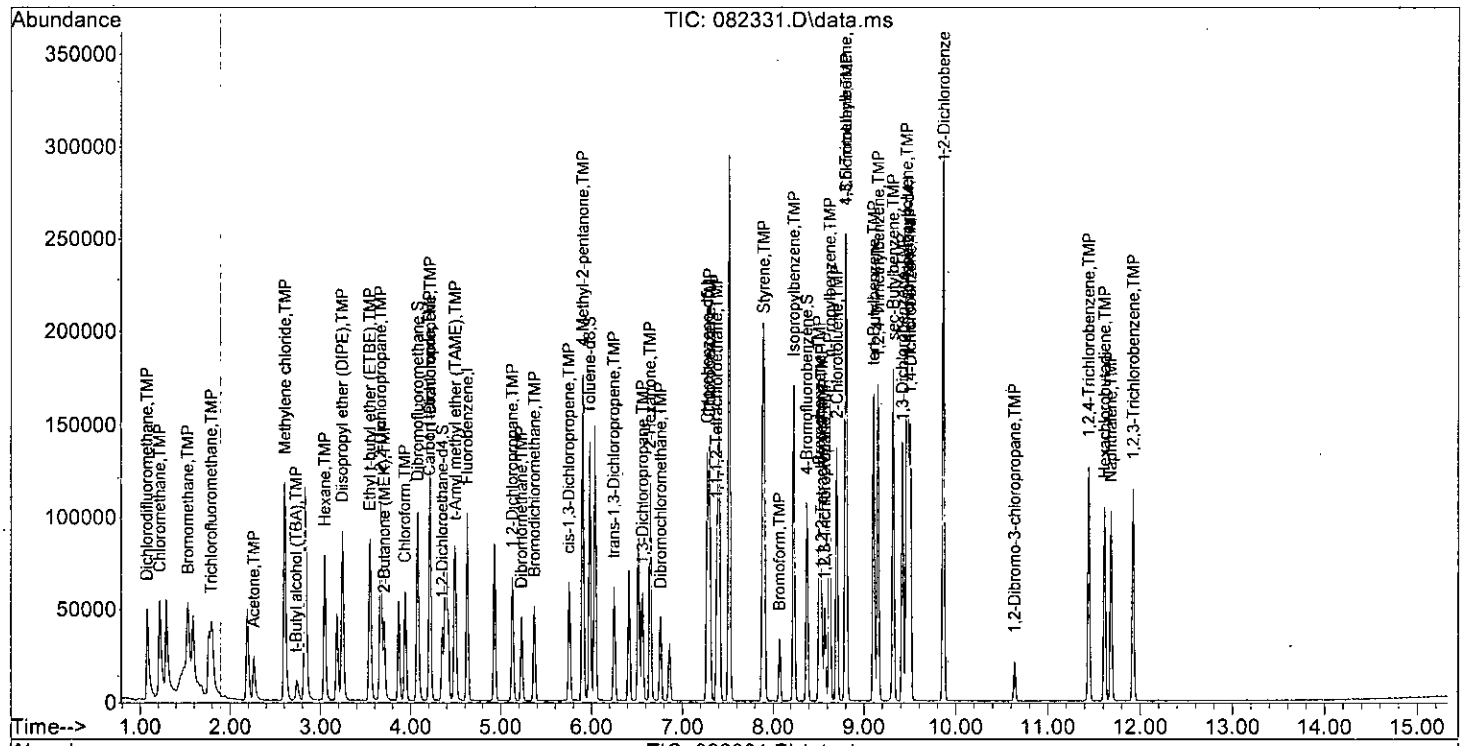
Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

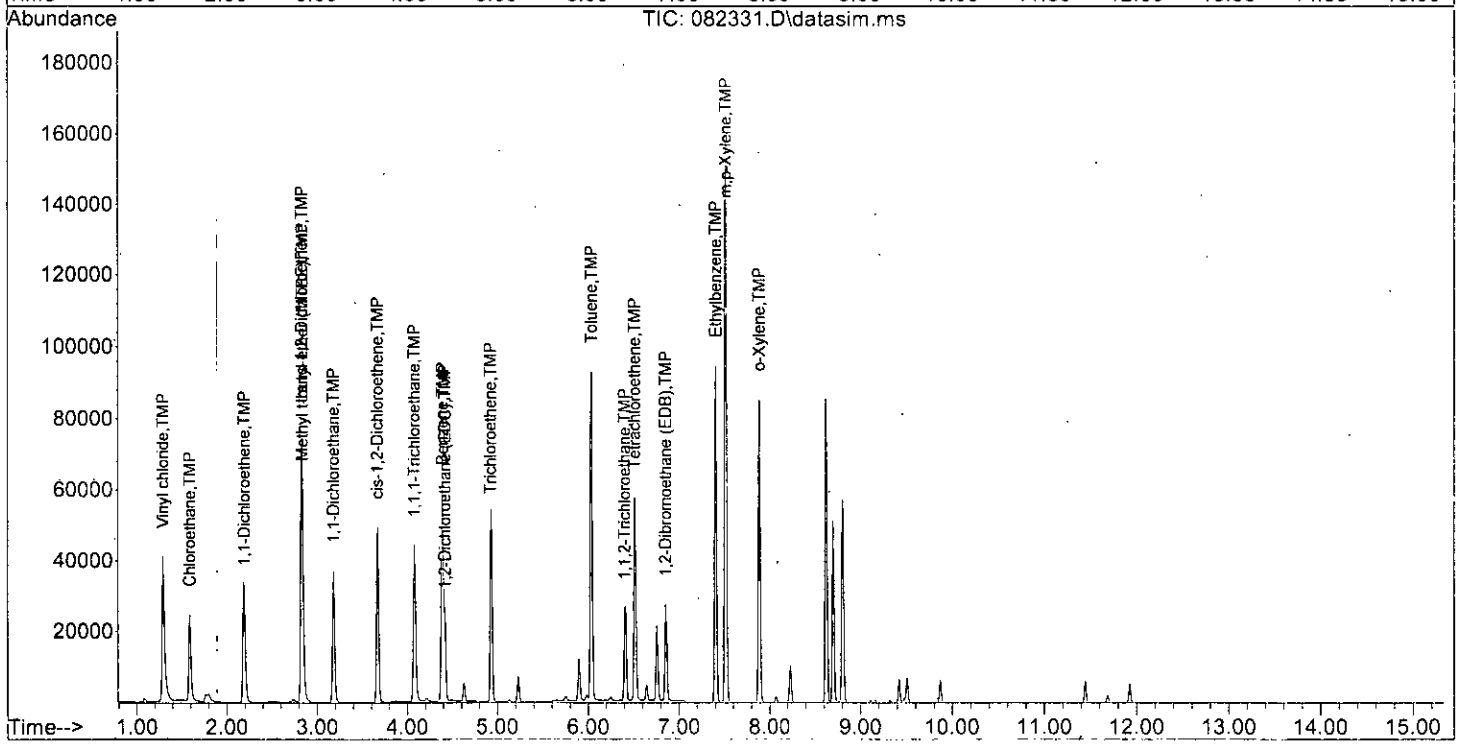
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	15201	10.108	ppb	94
43) 2-Hexanone	6.64	43	70516	49.732	ppb	98
44) 1,3-Dichloropropane	6.57	76	27458	9.976	ppb	96
45] Tetrachloroethene	6.51	164	20892	10.085	ppb	98
46) Dibromochloromethane	6.76	129	21982	10.388	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	18818	10.151	ppb	99
48) Chlorobenzene	7.30	112	59183	10.060	ppb	98
49] Ethylbenzene	7.41	91	99776	10.256	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.38	131	21932	10.082	ppb	98
51] m,p-Xylene	7.52	106	76909	20.329	ppb	95
52] o-Xylene	7.88	106	38127	10.135	ppb	95
53) Styrene	7.90	104	62308	9.922	ppb	99
54) Isopropylbenzene	8.23	105	97524	9.910	ppb	97
55) Bromoform	8.07	173	13980	10.109	ppb	94
58) n-Propylbenzene	8.63	91	110374	10.059	ppb	99
59) Bromobenzene	8.52	156	28930	10.509	ppb	94
60) 1,3,5-Trimethylbenzene	8.80	105	79969	9.854	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	23229	10.295	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	16086	9.550	ppb	97
63) 2-Chlorotoluene	8.70	91	66195	9.953	ppb	99
64) 4-Chlorotoluene	8.81	91	76096	10.046	ppb	97
65) tert-Butylbenzene	9.11	119	71433	10.022	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	82281	9.871	ppb	98
67) sec-Butylbenzene	9.32	105	106268	10.112	ppb	100
68) p-Isopropyltoluene	9.47	119	92327	10.168	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	51477	9.971	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	51967	9.983	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	50193	9.891	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.64	75	3995	9.802	ppb	97
73) 1,2,4-Trichlorobenzene	11.44	180	36650	9.686	ppb	99
74) Hexachlorobutadiene	11.61	225	21712	10.071	ppb	95
75) Naphthalene	11.69	128	71974	9.735	ppb	97
76) 1,2,3-Trichlorobenzene	11.92	180	33713	9.918	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082331.D
Acq On : 23 Aug 2022 09:36 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-74N
Misc :
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:16 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

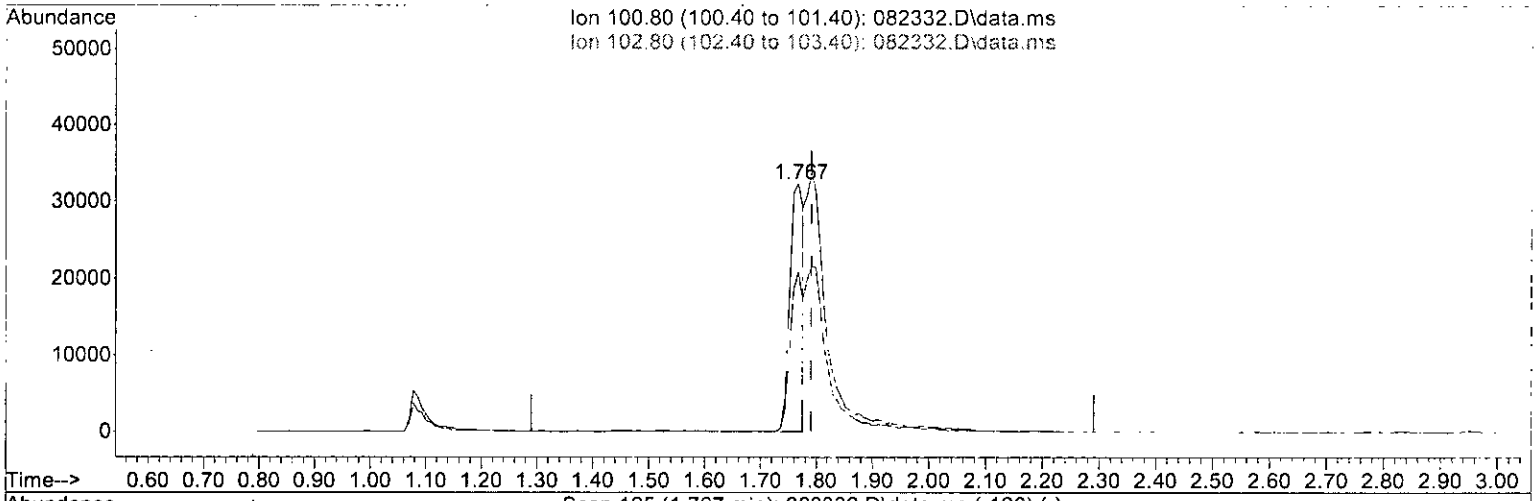


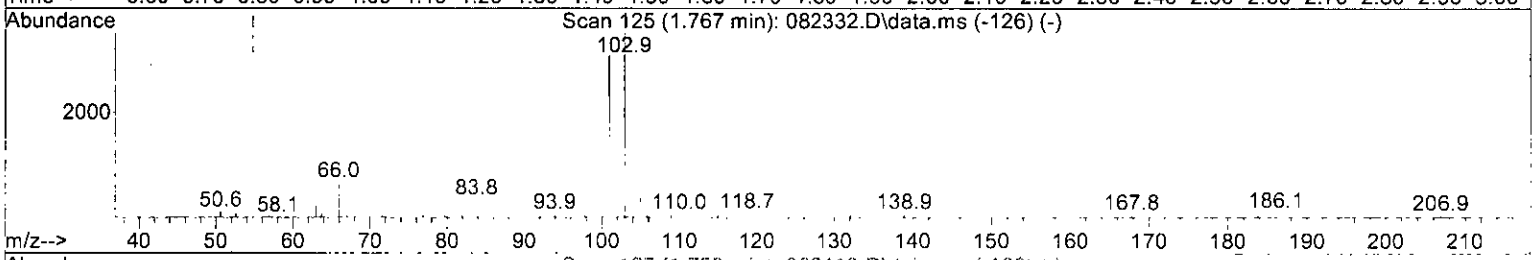


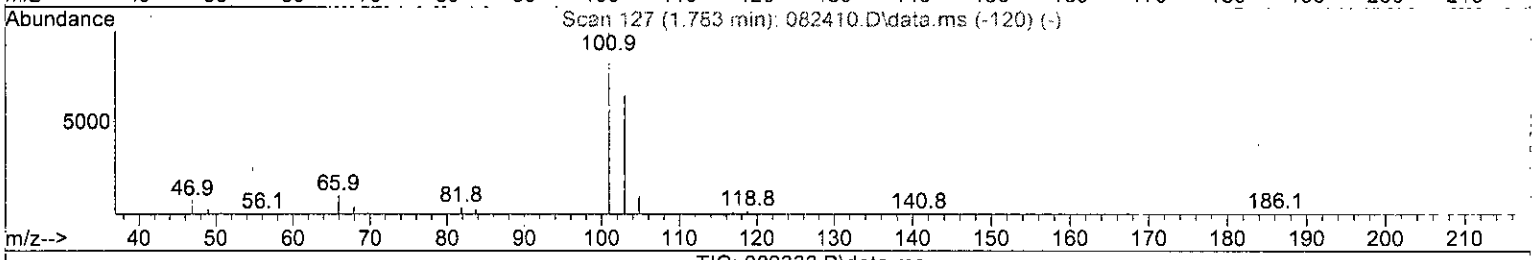
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-740
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:46 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082332.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.024) 7.461 ppb

response 53773

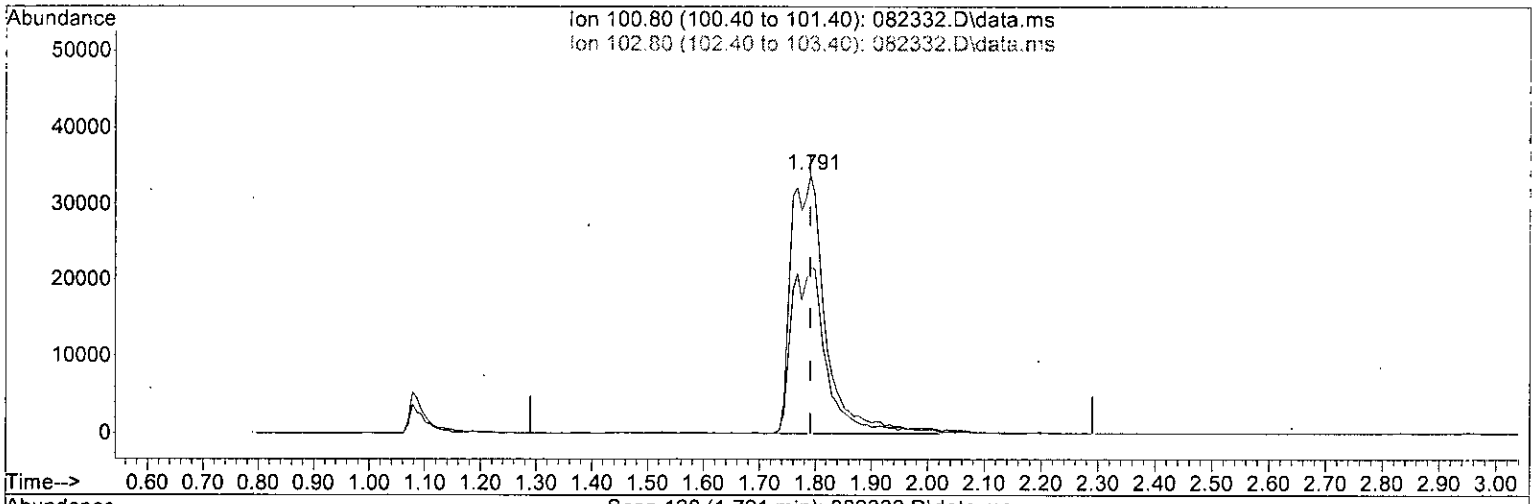
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	64.58
0.00	0.00	0.00
0.00	0.00	0.00

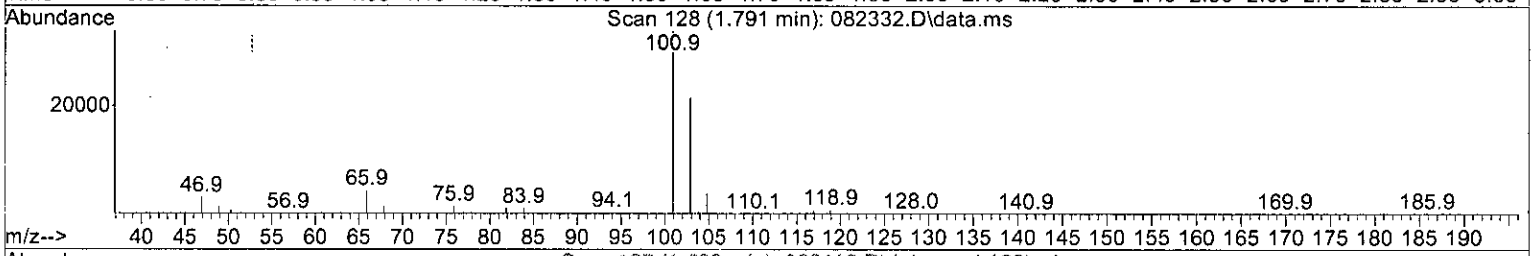
8/26 JM

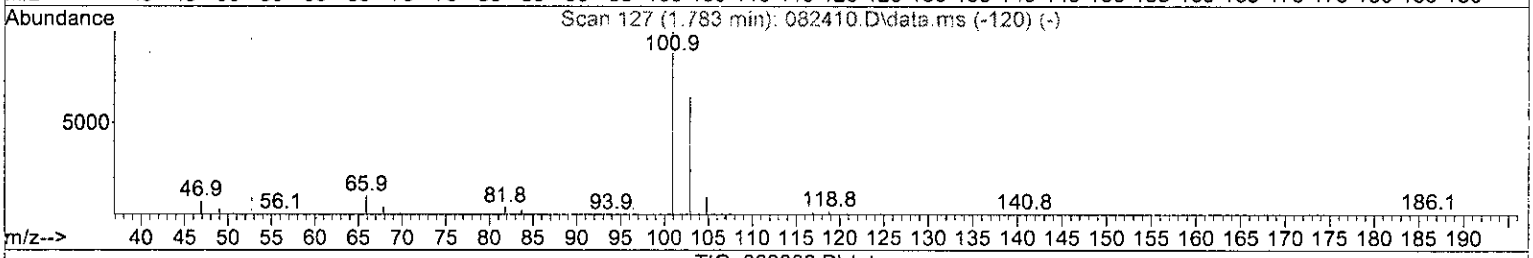
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-740
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:46 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082332.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.791min (-0.000) 20.055 ppb m

response 144543

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.79
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JCM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-74O
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	21.294	-6.5	100	0.00
5	TMP	Chloromethane	20.000	19.592	2.0	100	0.00
6	TMP	Vinyl chloride	20.000	21.297	-6.5	100	0.00
7	TMP	Bromomethane	20.000	20.861	-4.3	100	0.00
8	TMP	Chloroethane	20.000	20.631	-3.2	100	0.00
9	TMP	Trichlorofluoromethane	20.000	20.055	-0.3	95	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	100.000	99.246	0.8	100	0.00
12	TMP	1,1-Dichloroethene	20.000	19.274	3.6	100	0.00
13	TMP	Hexane	20.000	19.134	4.3	100	0.00
14	TMP	Methylene chloride	20.000	20.110	-0.5	100	0.00
15	TMP	t-Butyl alcohol (TBA)	100.000	102.172	-2.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	19.955	0.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	20.386	-1.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	19.949	0.3	100	0.00
19	TMP	1,1-Dichloroethane	20.000	19.526	2.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	20.303	-1.5	100	0.00
21	TMP	2,2-Dichloropropane	20.000	20.087	-0.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	20.064	-0.3	100	0.00
23	TMP	Chloroform	20.000	19.573	2.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	103.179	-3.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	20.407	-2.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	20.301	-1.5	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	19.663	1.7	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.993	0.0	100	0.00
29	TMP	Carbon tetrachloride	20.000	20.660	-3.3	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.019	-0.2	100	0.00
31	TMP	Benzene	20.000	20.354	-1.8	100	0.00
32	TMP	Trichloroethene	20.000	20.322	-1.6	100	0.00
33	TMP	1,2-Dichloropropane	20.000	19.466	2.7	100	0.00
34	TMP	Bromodichloromethane	20.000	19.783	1.1	100	0.00
35	S	Toluene-d8	10.000	10.134	-1.3	100	0.00
36	TMP	Dibromomethane	20.000	20.691	-3.5	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	101.477	-1.5	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	20.425	-2.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	20.853	-4.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	20.261	-1.3	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	20.267	-1.3	100	0.00
43	TMP	2-Hexanone	100.000	100.570	-0.6	100	0.00
44	TMP	1,3-Dichloropropane	20.000	19.821	0.9	100	0.00
45	TMP	Tetrachloroethene	20.000	20.186	-0.9	100	0.00
46	TMP	Dibromochloromethane	20.000	20.221	-1.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	20.372	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-74O
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	20.000	20.101	-0.5	100	0.00
49	TMP	Ethylbenzene	20.000	20.388	-1.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	20.054	-0.3	100	0.00
51	TMP	m,p-Xylene	40.000	40.737	-1.8	100	0.00
52	TMP	o-Xylene	20.000	20.190	-1.0	100	0.00
53	TMP	Styrene	20.000	19.953	0.2	100	0.00
54	TMP	Isopropylbenzene	20.000	19.961	0.2	100	0.00
55	TMP	Bromoform	20.000	20.783	-3.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.872	1.3	100	0.00
58	TMP	n-Propylbenzene	20.000	20.070	-0.4	100	0.00
59	TMP	Bromobenzene	20.000	20.394	-2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	19.852	0.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	19.958	0.2	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	19.506	2.5	100	0.00
63	TMP	2-Chlorotoluene	20.000	19.428	2.9	100	0.00
64	TMP	4-Chlorotoluene	20.000	20.026	-0.1	100	0.00
65	TMP	tert-Butylbenzene	20.000	20.034	-0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.721	1.4	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.933	0.3	100	0.00
68	TMP	p-Isopropyltoluene	20.000	20.243	-1.2	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	19.791	1.0	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	19.813	0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.587	2.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	20.291	-1.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	20.000	19.744	1.3	100	0.00
74	TMP	Hexachlorobutadiene	20.000	19.804	1.0	100	0.00
75	TMP	Naphthalene	20.000	19.734	1.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	19.990	0.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-740
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.292	-0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.810	-6.4	100	0.00
5	TMP	Chloromethane	0.900	0.881	2.1	100	0.00
6	TMP	Vinyl chloride	0.816	0.869	-6.5	100	0.00
7	TMP	Bromomethane	0.519	0.541	-4.2	100	0.00
8	TMP	Chloroethane	0.410	0.423	-3.2	100	0.00
9	TMP	Trichlorofluoromethane	1.035	1.037	-0.2	95	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.022	8.3	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.276	3.5	100	0.00
13	TMP	Hexane	0.461	0.441	4.3	100	0.00
14	TMP	Methylene chloride	0.702	0.481	31.5#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.035	-2.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.832	0.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.309	4.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.968	0.3	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.577	2.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.360	-1.4	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.339	6.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.335	4.8	100	0.00
23	TMP	Chloroform	0.551	0.539	2.2	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.131	-0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.795	-2.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.419	12.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.500	1.8	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.385	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.428	-3.4	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.061	0.0	100	0.00
31	TMP	Benzene	1.180	1.130	4.2	100	0.00
32	TMP	Trichloroethene	0.330	0.312	5.5	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.292	2.7	100	0.00
34	TMP	Bromodichloromethane	0.375	0.371	1.1	100	0.00
35	S	Toluene-d8	1.034	1.048	-1.4	100	0.00
36	TMP	Dibromomethane	0.169	0.175	-3.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.046	-2.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.422	-2.2	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.835	23.6#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.439	-1.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.247	-1.2	100	0.00
43	TMP	2-Hexanone	0.230	0.231	-0.4	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.443	0.9	100	0.00
45	TMP	Tetrachloroethene	0.410	0.339	17.3	100	0.00
46	TMP	Dibromochloromethane	0.343	0.347	-1.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.306	5.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-74O
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.960	-0.5	100	0.00
49	TMP	Ethylbenzene	1.835	1.607	12.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.354	-0.3	100	0.00
51	TMP	m,p-Xylene	0.769	0.624	18.9	100	0.00
52	TMP	o-Xylene	0.707	0.616	12.9	100	0.00
53	TMP	Styrene	1.019	1.017	0.2	100	0.00
54	TMP	Isopropylbenzene	1.597	1.594	0.2	100	0.00
55	TMP	Bromoform	0.228	0.237	-3.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.824	1.3	100	0.00
58	TMP	n-Propylbenzene	3.173	3.184	-0.3	100	0.00
59	TMP	Bromobenzene	0.796	0.812	-2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.329	0.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.651	0.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.475#	2.5	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.868	2.9	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.193	-0.1	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.064	-0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.376	1.4	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.028	0.3	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.657	-1.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.477	1.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.491	0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.437	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.120	-1.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.080	1.3	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.617	1.0	100	0.00
75	TMP	Naphthalene	2.138	2.109	1.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.982	0.1	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-74O
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69665	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	61348	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	35134	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	20327	10.076	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.80%			
30) 1,2-Dichloroethane-d4	4.36	102	4233	10.019	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.20%			
35) Toluene-d8	5.98	98	72989	10.134	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.30%			
57) 4-Bromofluorobenzene	8.38	95	28948	9.872	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	112911	21.294	ppb	98
5) Chloromethane	1.22	50	122795	19.592	ppb	99
6] Vinyl chloride	1.29	62	121109	21.297	ppb	99
7) Bromomethane	1.53	94	75382	20.861	ppb	97
8] Chloroethane	1.59	64	58917	20.631	ppb	93
9) Trichlorofluoromethane	1.79	101	144543m	20.055	ppb	
10) 2-Propanol	2.40	45	109	No Calib		
11) Acetone	2.26	58	15636	99.246	ppb	97
12] 1,1-Dichloroethene	2.19	96	38425	19.274	ppb	95
13) Hexane	3.05	57	61404	19.134	ppb	98
14) Methylene chloride	2.60	84	67017	20.110	ppb	94
15) t-Butyl alcohol (TBA)	2.73	59	24100	102.172	ppb	98
16] Methyl t-butyl ether (...	2.84	73	115953	19.955	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	43054	20.386	ppb	85
18) Diisopropyl ether (DIPE)	3.24	45	134916	19.949	ppb	97
19] 1,1-Dichloroethane	3.18	63	80399	19.526	ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	50155	20.303	ppb	93
21) 2,2-Dichloropropane	3.66	77	47219	20.087	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	46734	20.064	ppb	97
23) Chloroform	3.94	83	75130	19.573	ppb	99
24) 2-Butanone (MEK)	3.70	43	91348	103.179	ppb	96
25) t-Amyl methyl ether (T...	4.49	73	110702	20.407	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	58317	20.301	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	69730	19.663	ppb	96
28) 1,1-Dichloropropene	4.22	75	53704	19.993	ppb	100
29) Carbon tetrachloride	4.21	117	59604	20.660	ppb	99
31] Benzene	4.39	78	157397	20.354	ppb	96
32] Trichloroethene	4.93	95	43486	20.322	ppb	87
33) 1,2-Dichloropropane	5.13	63	40649	19.466	ppb	99
34) Bromodichloromethane	5.37	83	51723	19.783	ppb	98
36) Dibromomethane	5.23	93	24343	20.691	ppb	99
37) 4-Methyl-2-pentanone	5.91	85	32029	101.477	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	58827	20.425	ppb	98
40] Toluene	6.04	92	102486	20.853	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	53894	20.261	ppb	96

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-740
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

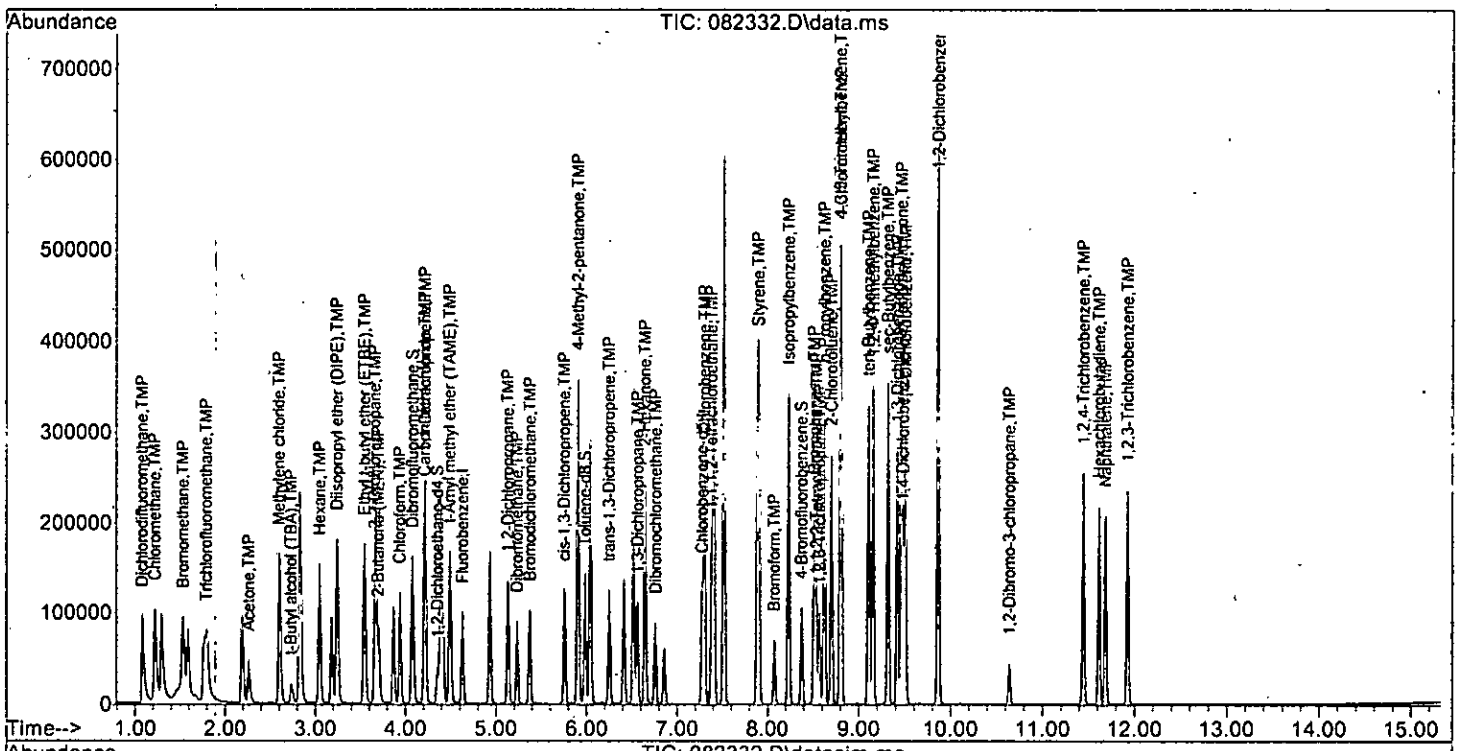
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	30346	20.267	ppb	95
43) 2-Hexanone	6.64	43	141981	100.570	ppb	98
44) 1,3-Dichloropropane	6.57	76	54317	19.821	ppb	98
45] Tetrachloroethene	6.51	164	41561	20.186	ppb	98
46) Dibromochloromethane	6.76	129	42605	20.221	ppb	99
47] 1,2-Dibromoethane (EDB)	6.85	107	37578	20.372	ppb	99
48) Chlorobenzene	7.30	112	117739	20.101	ppb	99
49] Ethylbenzene	7.41	91	197232	20.388	ppb	86
50) 1,1,1,2-Tetrachloroethane	7.38	131	43436	20.054	ppb	99
51] m,p-Xylene	7.52	106	153144	40.737	ppb	98
52] o-Xylene	7.88	106	75531	20.190	ppb	95
53) Styrene	7.90	104	124760	19.953	ppb	99
54) Isopropylbenzene	8.23	105	195590	19.961	ppb	97
55) Bromoform	8.07	173	29131	20.783	ppb	99
58) n-Propylbenzene	8.63	91	223707	20.070	ppb	98
59) Bromobenzene	8.52	156	57030	20.394	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	163654	19.852	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	45741	19.958	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	33376	19.506	ppb	99
63) 2-Chlorotoluene	8.70	91	131256	19.428	ppb	98
64) 4-Chlorotoluene	8.81	91	154082	20.026	ppb	98
65) tert-Butylbenzene	9.11	119	145054	20.034	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	166979	19.721	ppb	99
67) sec-Butylbenzene	9.32	105	212797	19.933	ppb	97
68) p-Isopropyltoluene	9.47	119	186711	20.243	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	103784	19.791	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	104767	19.813	ppb	96
71) 1,2-Dichlorobenzene	9.87	146	100971	19.587	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.64	75	8400	20.291	ppb	86
73) 1,2,4-Trichlorobenzene	11.44	180	75885	19.744	ppb	99
74) Hexachlorobutadiene	11.61	225	43371	19.804	ppb	99
75) Naphthalene	11.69	128	148199	19.734	ppb	97
76) 1,2,3-Trichlorobenzene	11.92	180	69022	19.990	ppb	99

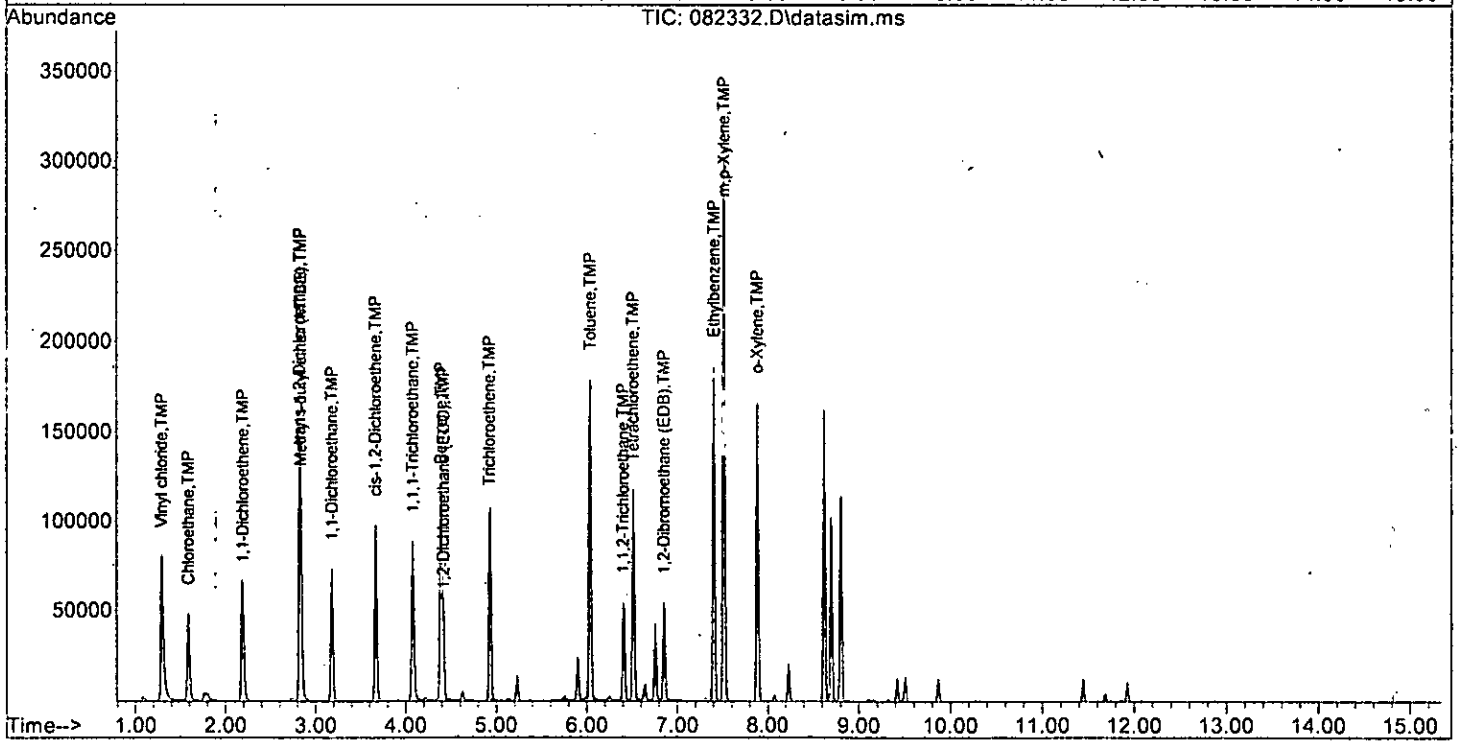
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082332.D
Acq On : 23 Aug 2022 09:58 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-740
Misc :
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:59:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

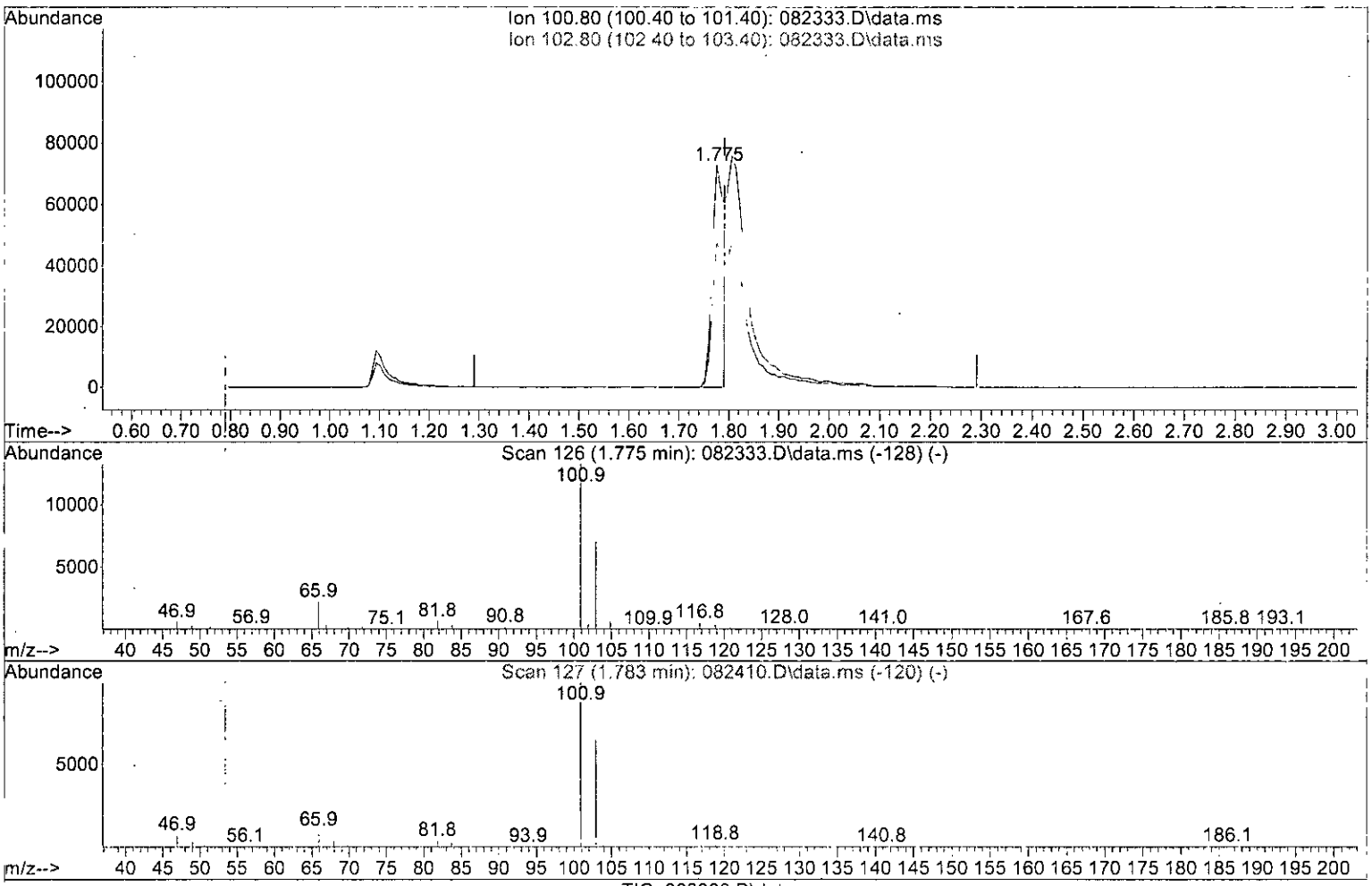




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:48 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082333.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.016) 17.144 ppb

response 123277

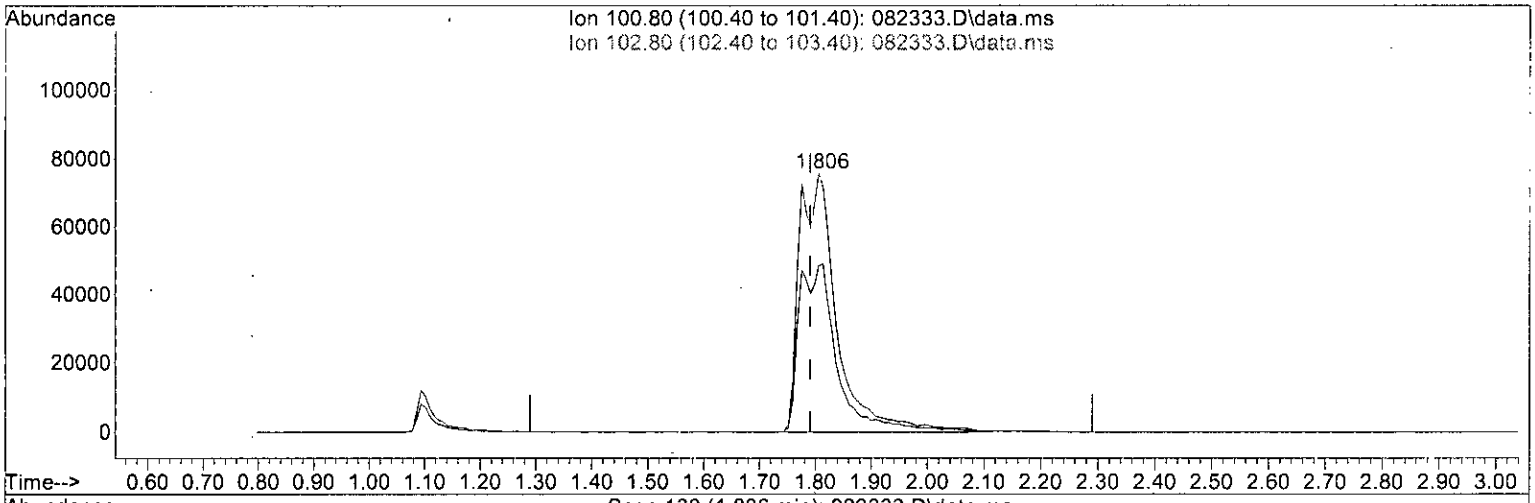
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	65.00
0.00	0.00	0.00
0.00	0.00	0.00

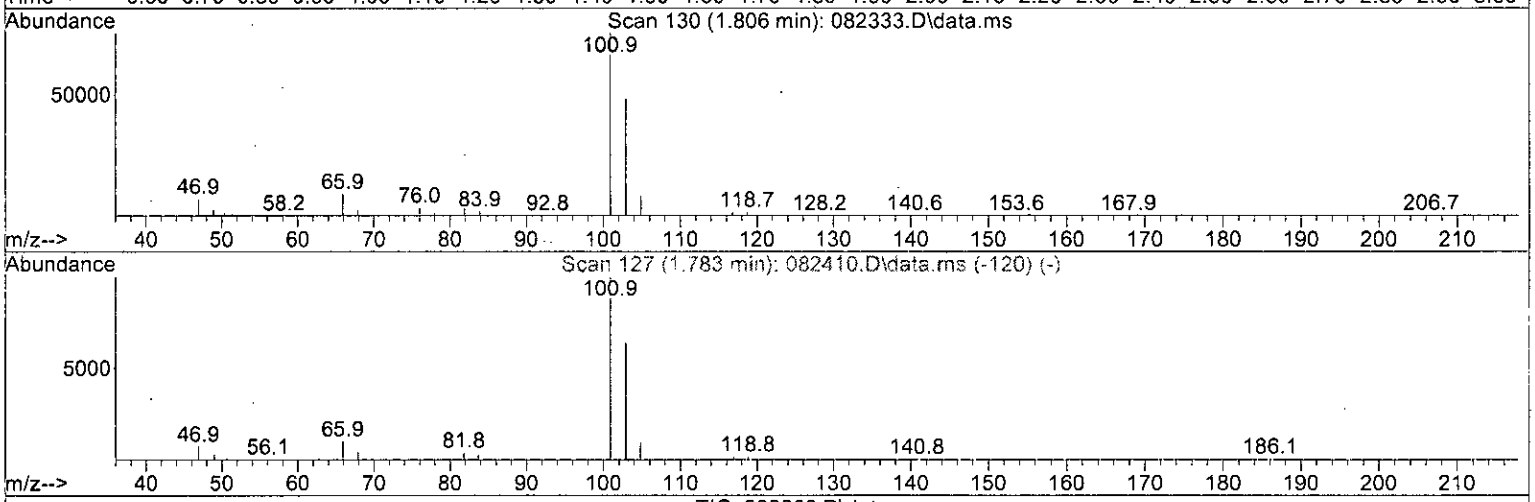
8/26 JCM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:48 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082333.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.806min (+ 0.015) 51.194 ppb m

response 368127

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	64.10
0.00	0.00	0.00
0.00	0.00	0.00

8/26 dm

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.664	3.4	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	52.736	-5.5	100	0.02
5	TMP	Chloromethane	50.000	48.634	2.7	100	0.02
6	TMP	Vinyl chloride	50.000	51.857	-3.7	100	0.02
7	TMP	Bromomethane	50.000	51.048	-2.1	100	0.02
8	TMP	Chloroethane	50.000	50.716	-1.4	100	0.02
9	TMP	Trichlorofluoromethane	50.000	51.194	-2.4	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.03
11	TMP	Acetone	250.000	240.999	3.6	100	0.00
12	TMP	1,1-Dichloroethene	50.000	47.256	5.5	100	0.00
13	TMP	Hexane	50.000	49.222	1.6	100	0.00
14	TMP	Methylene chloride	50.000	49.284	1.4	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	255.466	-2.2	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	50.000	48.194	3.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	49.569	0.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	48.590	2.8	100	0.00
19	TMP	1,1-Dichloroethane	50.000	47.645	4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	49.611	0.8	100	0.00
21	TMP	2,2-Dichloropropane	50.000	51.437	-2.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	49.161	1.7	100	0.00
23	TMP	Chloroform	50.000	48.325	3.3	100	0.00
24	TMP	2-Butanone (MEK)	250.000	250.692	-0.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	50.310	-0.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	49.880	0.2	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	48.152	3.7	100	0.00
28	TMP	1,1-Dichloropropene	50.000	49.384	1.2	100	0.00
29	TMP	Carbon tetrachloride	50.000	50.556	-1.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.065	-0.6	100	0.00
31	TMP	Benzene	50.000	50.059	-0.1	100	0.00
32	TMP	Trichloroethene	50.000	50.233	-0.5	100	0.00
33	TMP	1,2-Dichloropropane	50.000	47.469	5.1	100	0.00
34	TMP	Bromodichloromethane	50.000	48.992	2.0	100	0.00
35	S	Toluene-d8	10.000	9.505	4.9	100	0.00
36	TMP	Dibromomethane	50.000	49.974	0.1	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	245.792	1.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	50.533	-1.1	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	50.736	-1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	48.931	2.1	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	48.794	2.4	100	0.01
43	TMP	2-Hexanone	250.000	240.721	3.7	100	0.00
44	TMP	1,3-Dichloropropane	50.000	47.578	4.8	100	0.00
45	TMP	Tetrachloroethene	50.000	49.209	1.6	100	0.00
46	TMP	Dibromochloromethane	50.000	51.228	-2.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	49.428	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	50.000	48.809	2.4	100	0.00
49	TMP	Ethylbenzene	50.000	49.174	1.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	49.475	1.0	100	0.00
51	TMP	m,p-Xylene	100.000	98.651	1.3	100	0.00
52	TMP	o-Xylene	50.000	49.271	1.5	100	0.00
53	TMP	Styrene	50.000	48.664	2.7	100	0.00
54	TMP	Isopropylbenzene	50.000	48.990	2.0	100	0.00
55	TMP	Bromoform	50.000	51.757	-3.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.463	5.4	100	0.00
58	TMP	n-Propylbenzene	50.000	49.096	1.8	100	0.00
59	TMP	Bromobenzene	50.000	49.261	1.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	48.801	2.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	49.258	1.5	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	46.774	6.5	100	0.00
63	TMP	2-Chlorotoluene	50.000	47.227	5.5	100	0.00
64	TMP	4-Chlorotoluene	50.000	49.085	1.8	100	0.00
65	TMP	tert-Butylbenzene	50.000	49.332	1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	49.137	1.7	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.460	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	50.000	51.023	-2.0	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	48.882	2.2	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	48.668	2.7	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	48.248	3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	49.868	0.3	100	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	50.115	-0.2	100	0.00
74	TMP	Hexachlorobutadiene	50.000	51.426	-2.9	100	0.00
75	TMP	Naphthalene	50.000	50.356	-0.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	50.899	-1.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.280	3.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.803	-5.5	100	0.02
5	TMP	Chloromethane	0.900	0.875	2.8	100	0.02
6	TMP	Vinyl chloride	0.816	0.847	-3.8	100	0.02
7	TMP	Bromomethane	0.519	0.530	-2.1	100	0.02
8	TMP	Chloroethane	0.410	0.416	-1.5	100	0.02
9	TMP	Trichlorofluoromethane	1.035	1.059	-2.3	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.03
11	TMP	Acetone	0.024	0.022	8.3	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.270	5.6	100	0.00
13	TMP	Hexane	0.461	0.453	1.7	100	0.00
14	TMP	Methylene chloride	0.702	0.365	48.0#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.035	-2.9	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.804	3.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.300	7.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.943	2.9	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.563	4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.352	0.8	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.346	4.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.329	6.5	100	0.00
23	TMP	Chloroform	0.551	0.533	3.3	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.127	2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.784	-0.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.411	14.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.490	3.7	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.381	1.3	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.419	-1.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.061	0.0	100	0.00
31	TMP	Benzene	1.180	1.111	5.8	100	0.00
32	TMP	Trichloroethene	0.330	0.308	6.7	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.285	5.0	100	0.00
34	TMP	Bromodichloromethane	0.375	0.368	1.9	100	0.00
35	S	Toluene-d8	1.034	0.983	4.9	100	0.00
36	TMP	Dibromomethane	0.169	0.169	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.418	-1.2	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.810	25.9#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.424	2.3	100	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.238	2.5	100	0.01
43	TMP	2-Hexanone	0.230	0.222	3.5	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.425	4.9	100	0.00
45	TMP	Tetrachloroethene	0.410	0.330	19.5	100	0.00
46	TMP	Dibromochloromethane	0.343	0.352	-2.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.297	8.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.932	2.4	100	0.00
49	TMP	Ethylbenzene	1.835	1.550	15.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.349	1.1	100	0.00
51	TMP	m,p-Xylene	0.769	0.604	21.5#	100	0.00
52	TMP	o-Xylene	0.707	0.600	15.1	100	0.00
53	TMP	Styrene	1.019	0.992	2.6	100	0.00
54	TMP	Isopropylbenzene	1.597	1.565	2.0	100	0.00
55	TMP	Bromoform	0.228	0.247	-8.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.790	5.4	100	0.00
58	TMP	n-Propylbenzene	3.173	3.115	1.8	100	0.00
59	TMP	Bromobenzene	0.796	0.784	1.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.290	2.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.643	1.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.456#	6.4	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.816	5.6	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.150	1.8	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.033	1.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.368	1.7	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.066	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.679	-2.1	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.459	2.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.465	2.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.416	3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.118	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.096	-0.2	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.641	-2.9	100	0.00
75	TMP	Naphthalene	2.138	2.153	-0.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	1.000	-1.7	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	69507	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	60537	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34745	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	19451	9.664	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%			
30) 1,2-Dichloroethane-d4	4.36	102	4243	10.065	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.70%			
35) Toluene-d8	5.98	98	68310	9.505	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 95.10%			
57) 4-Bromofluorobenzene	8.38	95	27442	9.463	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 94.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	279004	52.736	ppb	98
5) Chloromethane	1.23	50	304128	48.634	ppb	98
6] Vinyl chloride	1.31	62	294229	51.857	ppb	100
7) Bromomethane	1.55	94	184045	51.048	ppb	99
8] Chloroethane	1.61	64	144504	50.716	ppb	95
9) Trichlorofluoromethane	1.81	101	368127m	51.194	ppb	
10) 2-Propanol	2.43	45	123	No Calib		
11) Acetone	2.27	58	37773	240.999	ppb #	85
12] 1,1-Dichloroethene	2.20	96	93995	47.256	ppb	95
13) Hexane	3.06	57	157606	49.222	ppb	99
14) Methylene chloride	2.61	84	126763	49.284	ppb	93
15) t-Butyl alcohol (TBA)	2.75	59	60122	255.466	ppb	96
16] Methyl t-butyl ether (...	2.85	73	279409	48.194	ppb	100
17] trans-1,2-Dichloroethene	2.84	96	104415	49.569	ppb	97
18) Diisopropyl ether (DIPE)	3.25	45	327877	48.590	ppb	97
19] 1,1-Dichloroethane	3.19	63	195736	47.645	ppb	100
20) Ethyl t-butyl ether (E...	3.56	87	122278	49.611	ppb	94
21) 2,2-Dichloropropane	3.67	77	120257	51.437	ppb	97
22] cis-1,2-Dichloroethene	3.68	96	114220	49.161	ppb	96
23) Chloroform	3.95	83	185076	48.325	ppb	99
24) 2-Butanone (MEK)	3.71	43	221086	250.692	ppb	98
25) t-Amyl methyl ether (T...	4.50	73	272300	50.310	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	142855	49.880	ppb	99
27] 1,1,1-Trichloroethane	4.09	97	170374	48.152	ppb	93
28) 1,1-Dichloropropene	4.23	75	132354	49.384	ppb	99
29) Carbon tetrachloride	4.22	117	145523	50.556	ppb	97
31] Benzene	4.39	78	386109	50.059	ppb	98
32] Trichloroethene	4.94	95	107210	50.233	ppb	97
33) 1,2-Dichloropropane	5.14	63	98900	47.469	ppb	97
34) Bromodichloromethane	5.37	83	127797	48.992	ppb	97
36) Dibromomethane	5.23	93	58661	49.974	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	77403	245.792	ppb	95
38) cis-1,3-Dichloropropene	5.76	75	145210	50.533	ppb	98
40] Toluene	6.04	92	245202	50.736	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	128437	48.931	ppb	98

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

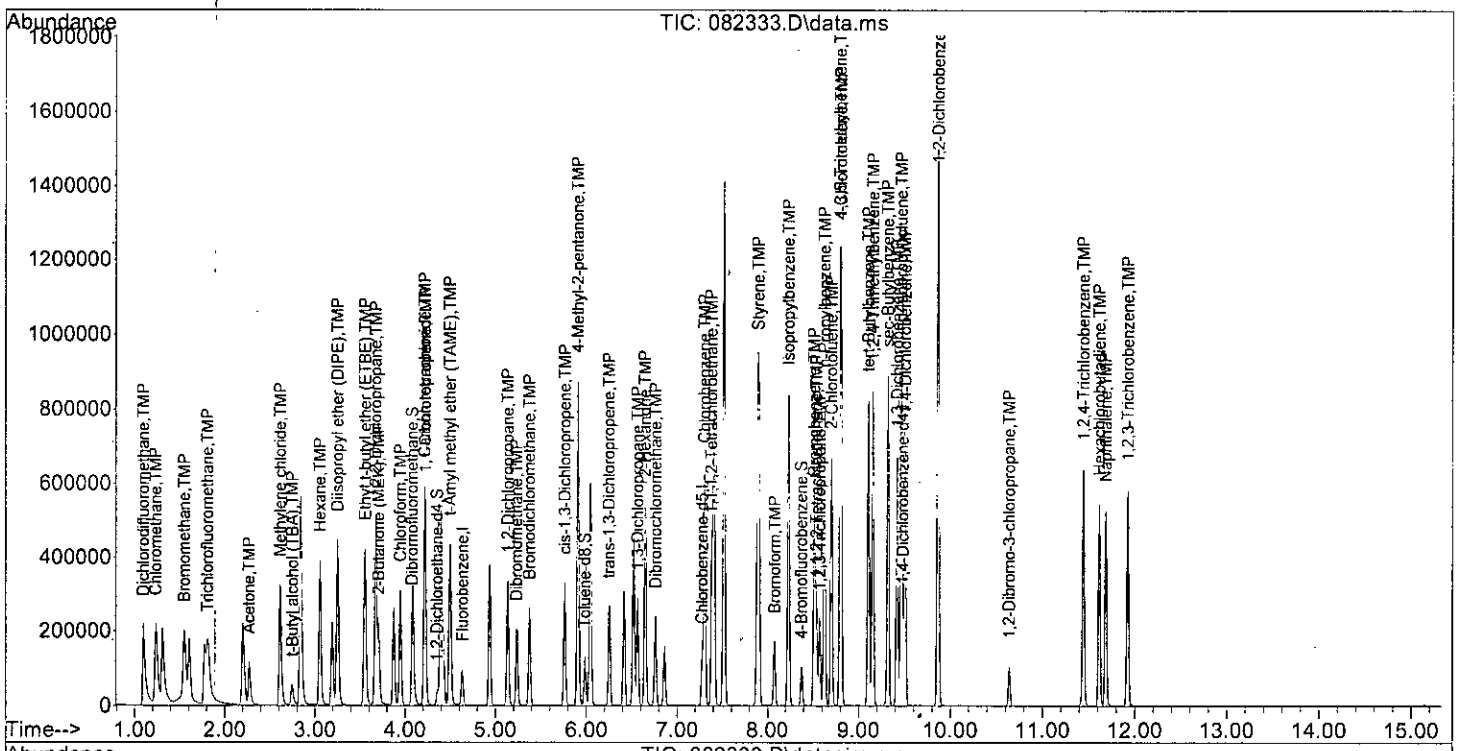
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.41	83	72093	48.794	ppb	82
43) 2-Hexanone	6.64	43	335349	240.721	ppb	99
44) 1,3-Dichloropropane	6.57	76	128659	47.578	ppb	98
45] Tetrachloroethene	6.51	164	99875	49.209	ppb	95
46) Dibromochloromethane	6.76	129	106507	51.228	ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	89934	49.428	ppb	97
48) Chlorobenzene	7.30	112	282120	48.809	ppb	99
49] Ethylbenzene	7.41	91	469074	49.174	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.38	131	105742	49.475	ppb	98
51] m,p-Xylene	7.52	106	365531	98.651	ppb	92
52] o-Xylene	7.88	106	181755	49.271	ppb	94
53) Styrene	7.90	104	300260	48.664	ppb	99
54) Isopropylbenzene	8.23	105	473696	48.990	ppb	96
55) Bromoform	8.08	173	74807	51.757	ppb	99
58) n-Propylbenzene	8.63	91	541177	49.096	ppb	98
59) Bromobenzene	8.52	156	136228	49.261	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	397860	48.801	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.54	83	111645	49.258	ppb	96
62) 1,2,3-Trichloropropane	8.57	75	79147	46.774	ppb	99
63) 2-Chlorotoluene	8.70	91	315529	47.227	ppb	99
64) 4-Chlorotoluene	8.81	91	373479	49.085	ppb	97
65) tert-Butylbenzene	9.11	119	353226	49.332	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	411433	49.137	ppb	98
67) sec-Butylbenzene	9.32	105	532712	50.460	ppb	99
68) p-Isopropyltoluene	9.47	119	465398	51.023	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	253497	48.882	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	254499	48.668	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	245961	48.248	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	20416	49.868	ppb	90
73) 1,2,4-Trichlorobenzene	11.44	180	190484	50.115	ppb	98
74) Hexachlorobutadiene	11.61	225	111377	51.426	ppb	96
75) Naphthalene	11.69	128	373990	50.356	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	173801	50.899	ppb	100

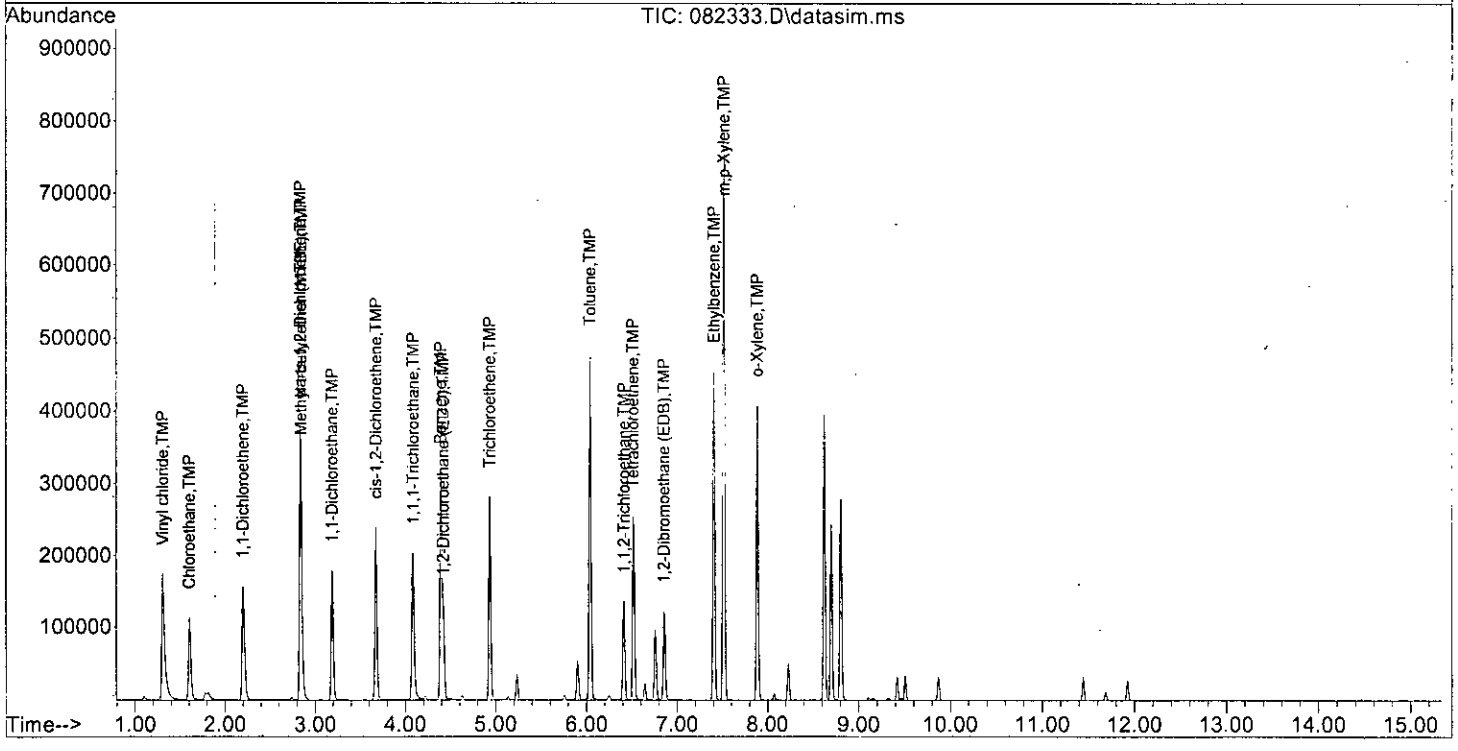
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082333.D
Acq On : 23 Aug 2022 10:20 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-74Q
Misc :
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:20 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

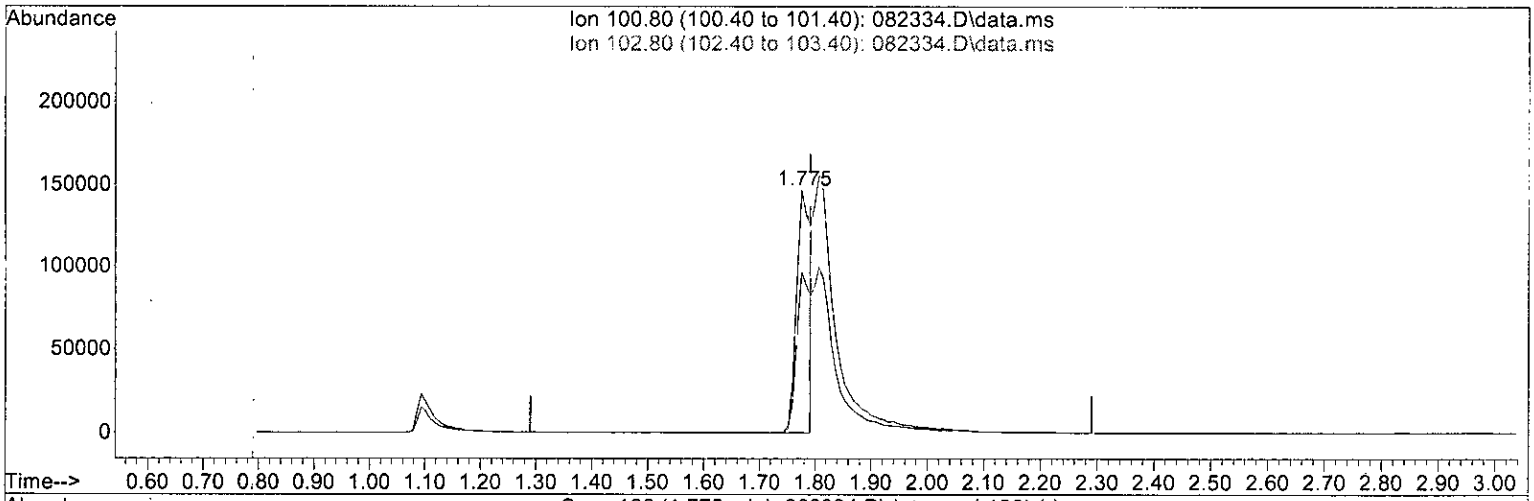


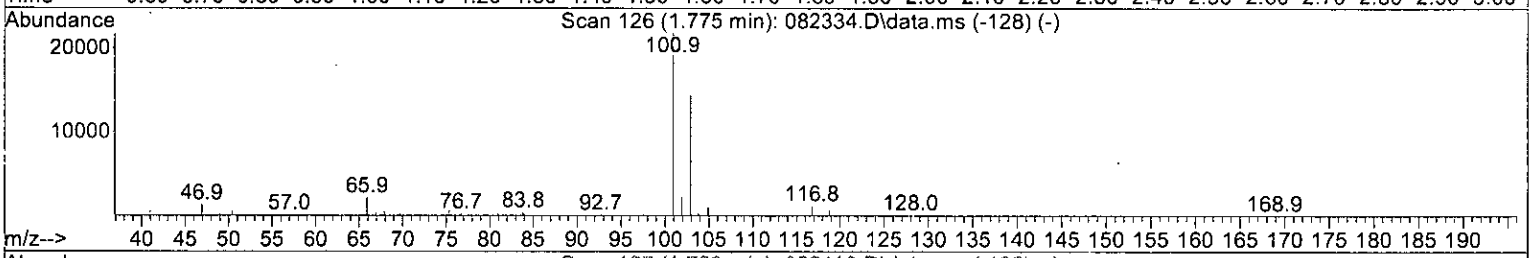


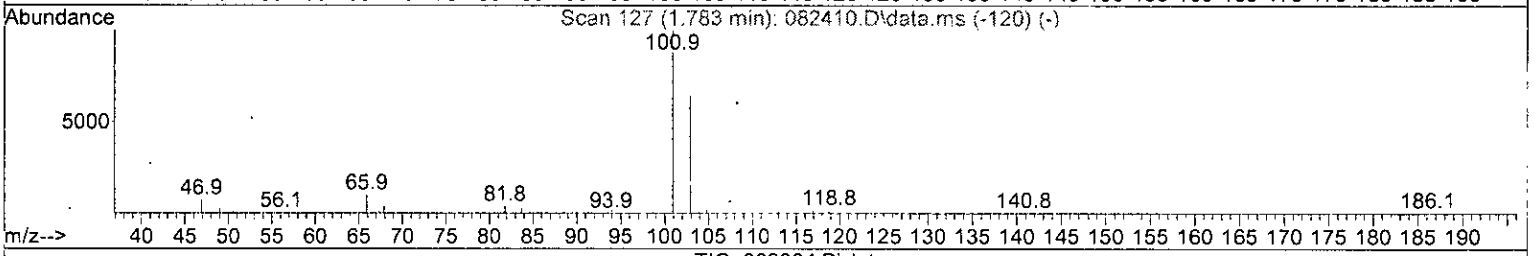
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082334.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.016) 34.873 ppb

response 251100

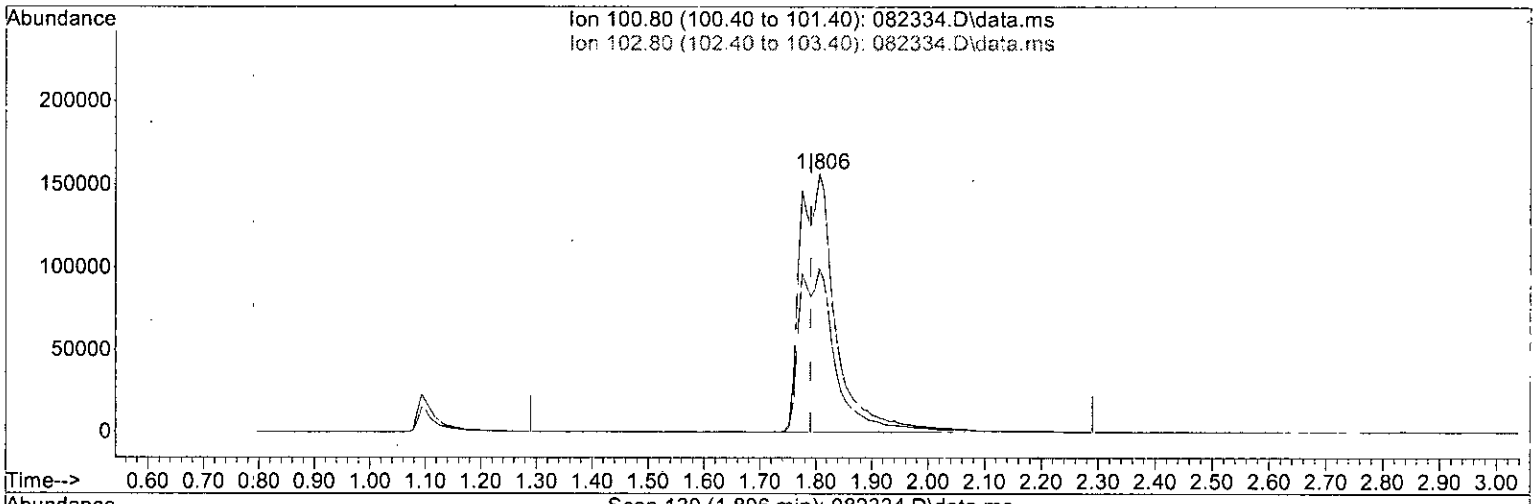
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	65.99
0.00	0.00	0.00
0.00	0.00	0.00

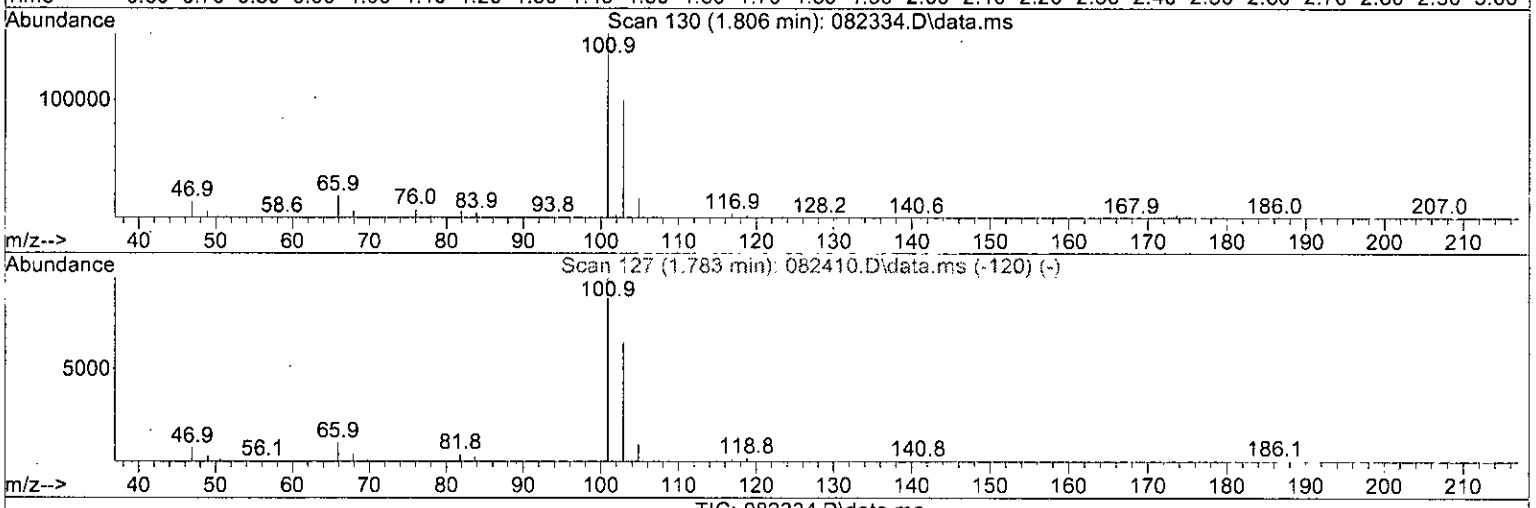
8/26 JM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:50 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082334.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.806min (+ 0.015) 96.563 ppb m

response 695299

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.66
0.00	0.00	0.00
0.00	0.00	0.00

8/26 JCM

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.957	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	102.695	-2.7	100	0.02
5	TMP	Chloromethane	100.000	95.118	4.9	100	0.02
6	TMP	Vinyl chloride	100.000	100.190	-0.2	100	0.02
7	TMP	Bromomethane	100.000	96.578	3.4	100	0.02
8	TMP	Chloroethane	100.000	99.068	0.9	100	0.02
9	TMP	Trichlorofluoromethane	100.000	96.563	3.4	96	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.03
11	TMP	Acetone	500.000	507.845	-1.6	100	0.00
12	TMP	1,1-Dichloroethene	100.000	93.985	6.0	100	0.00
13	TMP	Hexane	100.000	93.534	6.5	100	0.00
14	TMP	Methylene chloride	100.000	98.846	1.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	508.521	-1.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	100.000	95.379	4.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	100.000	97.272	2.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	100.000	105.200	-5.2	100	0.00
19	TMP	1,1-Dichloroethane	100.000	93.284	6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	99.953	0.0	100	0.00
21	TMP	2,2-Dichloropropane	100.000	90.022	10.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	96.478	3.5	100	0.00
23	TMP	Chloroform	100.000	93.699	6.3	100	0.00
24	TMP	2-Butanone (MEK)	500.000	499.507	0.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	100.172	-0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	97.496	2.5	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	95.010	5.0	100	0.00
28	TMP	1,1-Dichloropropene	100.000	97.691	2.3	100	0.00
29	TMP	Carbon tetrachloride	100.000	100.532	-0.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.040	-0.4	100	0.00
31	TMP	Benzene	100.000	98.859	1.1	100	0.00
32	TMP	Trichloroethene	100.000	98.858	1.1	100	0.00
33	TMP	1,2-Dichloropropane	100.000	94.227	5.8	100	0.00
34	TMP	Bromodichloromethane	100.000	97.928	2.1	100	0.00
35	S	Toluene-d8	10.000	9.804	2.0	100	0.00
36	TMP	Dibromomethane	100.000	98.671	1.3	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	492.219	1.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	102.493	-2.5	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	100.910	-0.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	99.856	0.1	100	0.01
42	TMP	1,1,2-Trichloroethane	100.000	97.063	2.9	100	0.01
43	TMP	2-Hexanone	500.000	477.255	4.5	100	0.00
44	TMP	1,3-Dichloropropane	100.000	95.089	4.9	100	0.00
45	TMP	Tetrachloroethene	100.000	96.639	3.4	100	0.00
46	TMP	Dibromochloromethane	100.000	101.712	-1.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	97.523	2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	100.000	96.735	3.3	100	0.00
49	TMP	Ethylbenzene	100.000	96.783	3.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	99.413	0.6	100	0.00
51	TMP	m,p-Xylene	200.000	195.653	2.2	100	0.00
52	TMP	o-Xylene	100.000	98.608	1.4	100	0.00
53	TMP	Styrene	100.000	97.926	2.1	100	0.00
54	TMP	Isopropylbenzene	100.000	97.448	2.6	100	0.00
55	TMP	Bromoform	100.000	100.675	-0.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.801	2.0	100	0.00
58	TMP	n-Propylbenzene	100.000	95.249	4.8	100	0.00
59	TMP	Bromobenzene	100.000	98.367	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	95.002	5.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	97.842	2.2	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	94.239	5.8	100	0.00
63	TMP	2-Chlorotoluene	100.000	92.780	7.2	100	0.00
64	TMP	4-Chlorotoluene	100.000	96.056	3.9	100	0.00
65	TMP	tert-Butylbenzene	100.000	97.943	2.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	96.411	3.6	100	0.00
67	TMP	sec-Butylbenzene	100.000	98.139	1.9	100	0.00
68	TMP	p-Isopropyltoluene	100.000	98.666	1.3	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	97.211	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	97.215	2.8	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	95.573	4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	100.273	-0.3	100	0.00
73	TMP	1,2,4-Trichlorobenzene	100.000	99.094	0.9	100	0.00
74	TMP	Hexachlorobutadiene	100.000	97.603	2.4	100	0.00
75	TMP	Naphthalene	100.000	101.541	-1.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	100.780	-0.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.288	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.782	-2.8	100	0.02
5	TMP	Chloromethane	0.900	0.856	4.9	100	0.02
6	TMP	Vinyl chloride	0.816	0.818	-0.2	100	0.02
7	TMP	Bromomethane	0.519	0.501	3.5	100	0.02
8	TMP	Chloroethane	0.410	0.406	1.0	100	0.02
9	TMP	Trichlorofluoromethane	1.035	0.999	3.5	96	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.03
11	TMP	Acetone	0.024	0.023	4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.269	5.9	100	0.00
13	TMP	Hexane	0.461	0.431	6.5	100	0.00
14	TMP	Methylene chloride	0.702	0.327	53.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.796	4.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.295	9.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	1.021	-5.1	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.551	6.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.354	0.3	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.303	16.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.322	8.5	100	0.00
23	TMP	Chloroform	0.551	0.516	6.4	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.127	2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.780	-0.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.402	16.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.484	4.9	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.377	2.3	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.416	-0.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.061	0.0	100	0.00
31	TMP	Benzene	1.180	1.097	7.0	100	0.00
32	TMP	Trichloroethene	0.330	0.304	7.9	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.282	6.0	100	0.00
34	TMP	Bromodichloromethane	0.375	0.368	1.9	100	0.00
35	S	Toluene-d8	1.034	1.014	1.9	100	0.00
36	TMP	Dibromomethane	0.169	0.167	1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.424	-2.7	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.805	26.3#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.433	0.2	100	0.01
42	TMP	1,1,2-Trichloroethane	0.244	0.237	2.9	100	0.01
43	TMP	2-Hexanone	0.230	0.220	4.3	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.425	4.9	100	0.00
45	TMP	Tetrachloroethene	0.410	0.324	21.0#	100	0.00
46	TMP	Dibromochloromethane	0.343	0.349	-1.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.293	9.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1.
InstName : GCMS11

Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.924	3.2	100	0.00
49	TMP	Ethylbenzene	1.835	1.525	16.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.351	0.6	100	0.00
51	TMP	m,p-Xylene	0.769	0.599	22.1#	100	0.00
52	TMP	o-Xylene	0.707	0.601	15.0	100	0.00
53	TMP	Styrene	1.019	0.998	2.1	100	0.00
54	TMP	Isopropylbenzene	1.597	1.556	2.6	100	0.00
55	TMP	Bromoform	0.228	0.256	-12.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.818	2.0	100	0.00
58	TMP	n-Propylbenzene	3.173	3.022	4.8	100	0.00
59	TMP	Bromobenzene	0.796	0.783	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.229	5.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.638	2.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.459#	5.7	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.784	7.2	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.104	3.9	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.018	2.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.323	3.6	100	0.00
67	TMP	sec-Butylbenzene	3.038	2.982	1.8	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.590	1.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.451	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.463	2.8	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.402	4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.118	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.084	0.9	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.608	2.4	100	0.00
75	TMP	Naphthalene	2.138	2.170	-1.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.990	-0.7	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	69600	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	60693	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	35363	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	20068	9.957	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.60%			
30) 1,2-Dichloroethane-d4	4.36	102	4238	10.040	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.40%			
35) Toluene-d8	5.98	98	70551	9.804	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 98.00%			
57) 4-Bromofluorobenzene	8.38	95	28928	9.801	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	544041	102.695	ppb	100
5) Chloromethane	1.23	50	595605	95.118	ppb	98
6] Vinyl chloride	1.31	62	569226	100.190	ppb	98
7) Bromomethane	1.55	94	348665	96.578	ppb	95
8] Chloroethane	1.61	64	282649	99.068	ppb	94
9) Trichlorofluoromethane	1.81	101	695299m	96.563	ppb	
10) 2-Propanol	2.43	45	166	No Calib		
11) Acetone	2.27	58	80328	507.845	ppb	98
12] 1,1-Dichloroethene	2.20	96	187193	93.985	ppb	96
13) Hexane	3.06	57	299889	93.534	ppb	97
14) Methylene chloride	2.61	84	227855	98.846	ppb	92
15) t-Butyl alcohol (TBA)	2.74	59	119837	508.521	ppb	98
16] Methyl t-butyl ether (...	2.85	73	553708	95.379	ppb	99
17] trans-1,2-Dichloroethene	2.84	96	205151	97.272	ppb	98
18) Diisopropyl ether (DIPE)	3.25	45	710826	105.200	ppb	98
19] 1,1-Dichloroethane	3.19	63	383745	93.284	ppb	100
20) Ethyl t-butyl ether (E...	3.56	87	246685	99.953	ppb	95
21) 2,2-Dichloropropane	3.67	77	210563	90.022	ppb	100
22] cis-1,2-Dichloroethene	3.68	96	224437	96.478	ppb	95
23) Chloroform	3.95	83	359328	93.699	ppb	100
24) 2-Butanone (MEK)	3.71	43	440858	499.507	ppb	98
25) t-Amyl methyl ether (T...	4.50	73	542901	100.172	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	279529	97.496	ppb	99
27] 1,1,1-Trichloroethane	4.09	97	336622	95.010	ppb	92
28) 1,1-Dichloropropene	4.23	75	262170	97.691	ppb	99
29) Carbon tetrachloride	4.22	117	289765	100.532	ppb	98
31] Benzene	4.39	78	763450	98.859	ppb	98
32] Trichloroethene	4.94	95	211247	98.858	ppb	98
33) 1,2-Dichloropropane	5.14	63	196581	94.227	ppb	98
34) Bromodichloromethane	5.37	83	255792	97.928	ppb	99
36) Dibromomethane	5.23	93	115979	98.671	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	155213	492.219	ppb	95
38) cis-1,3-Dichloropropene	5.76	75	294916	102.493	ppb	98
40] Toluene	6.04	92	488347	100.910	ppb	93
41) trans-1,3-Dichloropropene	6.26	75	262785	99.856	ppb	97

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

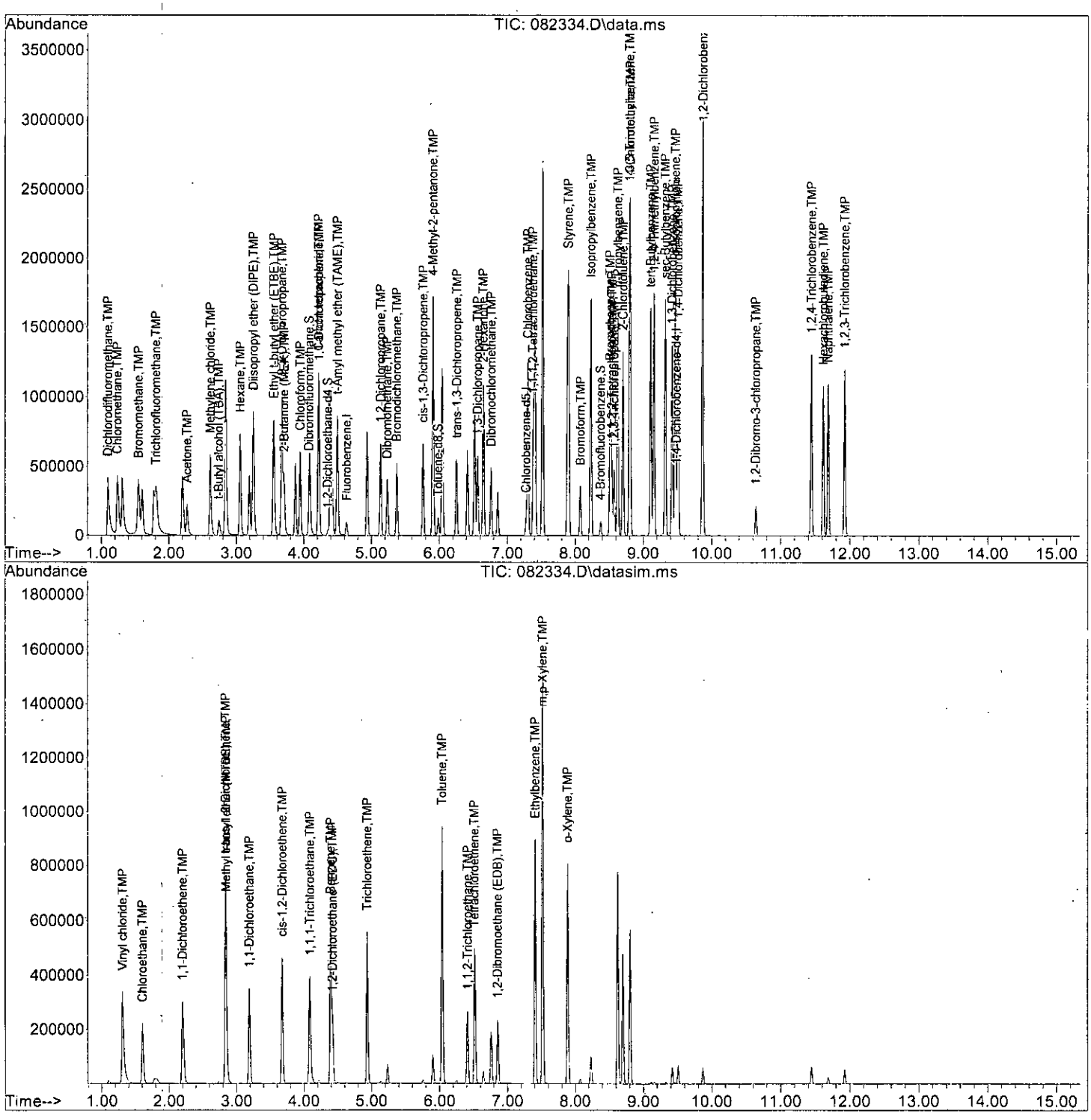
Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42]	1,1,2-Trichloroethane	6.41	83	143779	97.063	ppb	81
43)	2-Hexanone	6.64	43	666580	477.255	ppb	99
44)	1,3-Dichloropropane	6.57	76	257797	95.089	ppb	99
45]	Tetrachloroethene	6.51	164	196576	96.639	ppb	96
46)	Dibromochloromethane	6.76	129	212012	101.712	ppb	97
47]	1,2-Dibromoethane (EDB)	6.85	107	177879	97.523	ppb	97
48)	Chlorobenzene	7.30	112	560578	96.735	ppb	98
49]	Ethylbenzene	7.41	91	925348	96.783	ppb	88
50)	1,1,1,2-Tetrachloroethane	7.38	131	213023	99.413	ppb	99
51]	m,p-Xylene	7.52	106	726526	195.653	ppb	90
52]	o-Xylene	7.88	106	364597	98.608	ppb	92
53)	Styrene	7.90	104	605771	97.926	ppb	100
54)	Isopropylbenzene	8.23	105	944670	97.448	ppb	97
55)	Bromoform	8.08	173	155536	100.675	ppb	98
58)	n-Propylbenzene	8.63	91	1068587	95.249	ppb	98
59)	Bromobenzene	8.52	156	276867	98.367	ppb	97
60)	1,3,5-Trimethylbenzene	8.80	105	788291	95.002	ppb	97
61)	1,1,2,2-Tetrachloroethane	8.54	83	225706	97.842	ppb	98
62)	1,2,3-Trichloropropane	8.57	75	162298	94.239	ppb	97
63)	2-Chlorotoluene	8.70	91	630896	92.780	ppb	99
64)	4-Chlorotoluene	8.81	91	743877	96.056	ppb	99
65)	tert-Butylbenzene	9.11	119	713767	97.943	ppb	96
66)	1,2,4-Trimethylbenzene	9.16	105	821618	96.411	ppb	99
67)	sec-Butylbenzene	9.32	105	1054501	98.139	ppb	99
68)	p-Isopropyltoluene	9.47	119	915978	98.666	ppb	99
69)	1,3-Dichlorobenzene	9.42	146	513087	97.211	ppb	98
70)	1,4-Dichlorobenzene	9.51	146	517411	97.215	ppb	98
71)	1,2-Dichlorobenzene	9.87	146	495888	95.573	ppb	99
72)	1,2-Dibromo-3-chloropr...	10.64	75	41782	100.273	ppb	89
73)	1,2,4-Trichlorobenzene	11.44	180	383348	99.094	ppb	99
74)	Hexachlorobutadiene	11.61	225	215146	97.603	ppb	97
75)	Naphthalene	11.69	128	767545	101.541	ppb	98
76)	1,2,3-Trichlorobenzene	11.92	180	350243	100.780	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082334.D
Acq On : 23 Aug 2022 10:43 pm
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-74S
Misc :
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

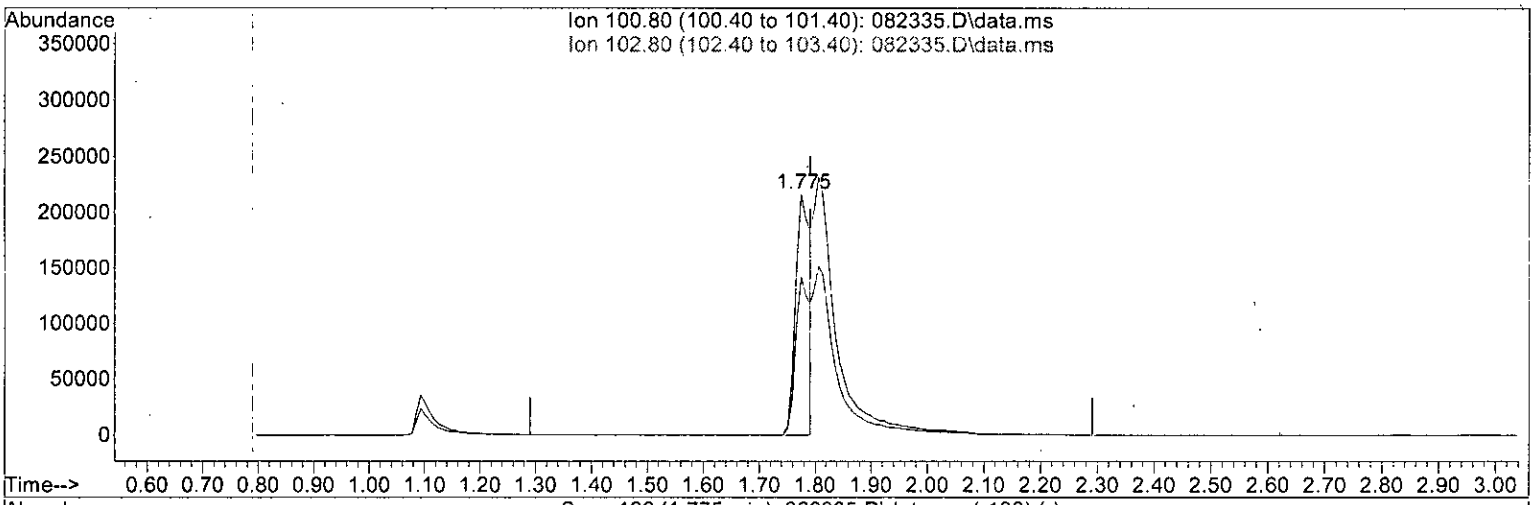
Quant Time: Aug 26 20:00:57 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

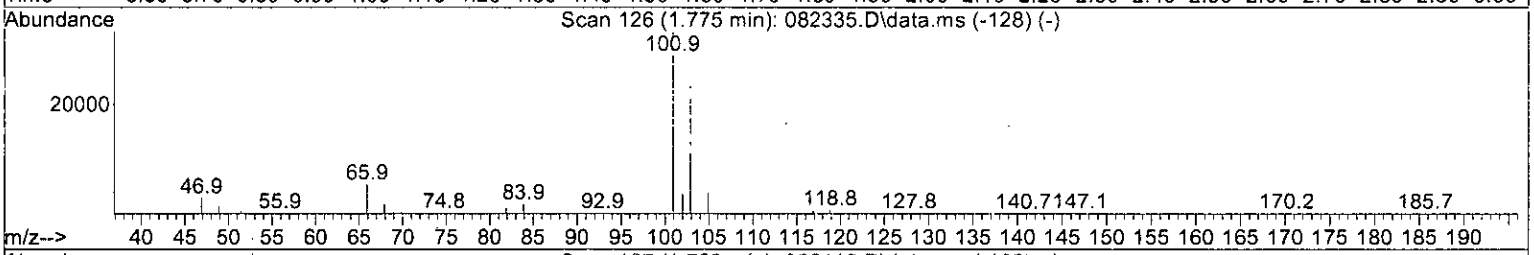


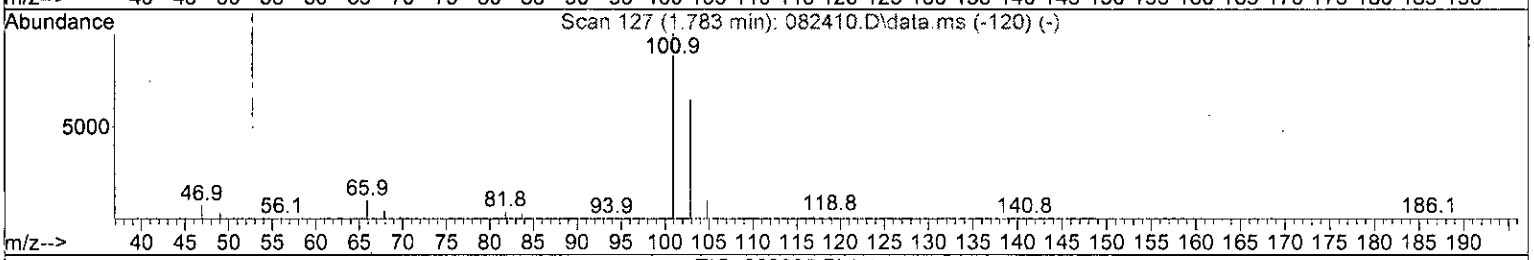
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082335.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.016) 53.012 ppb

response 380811

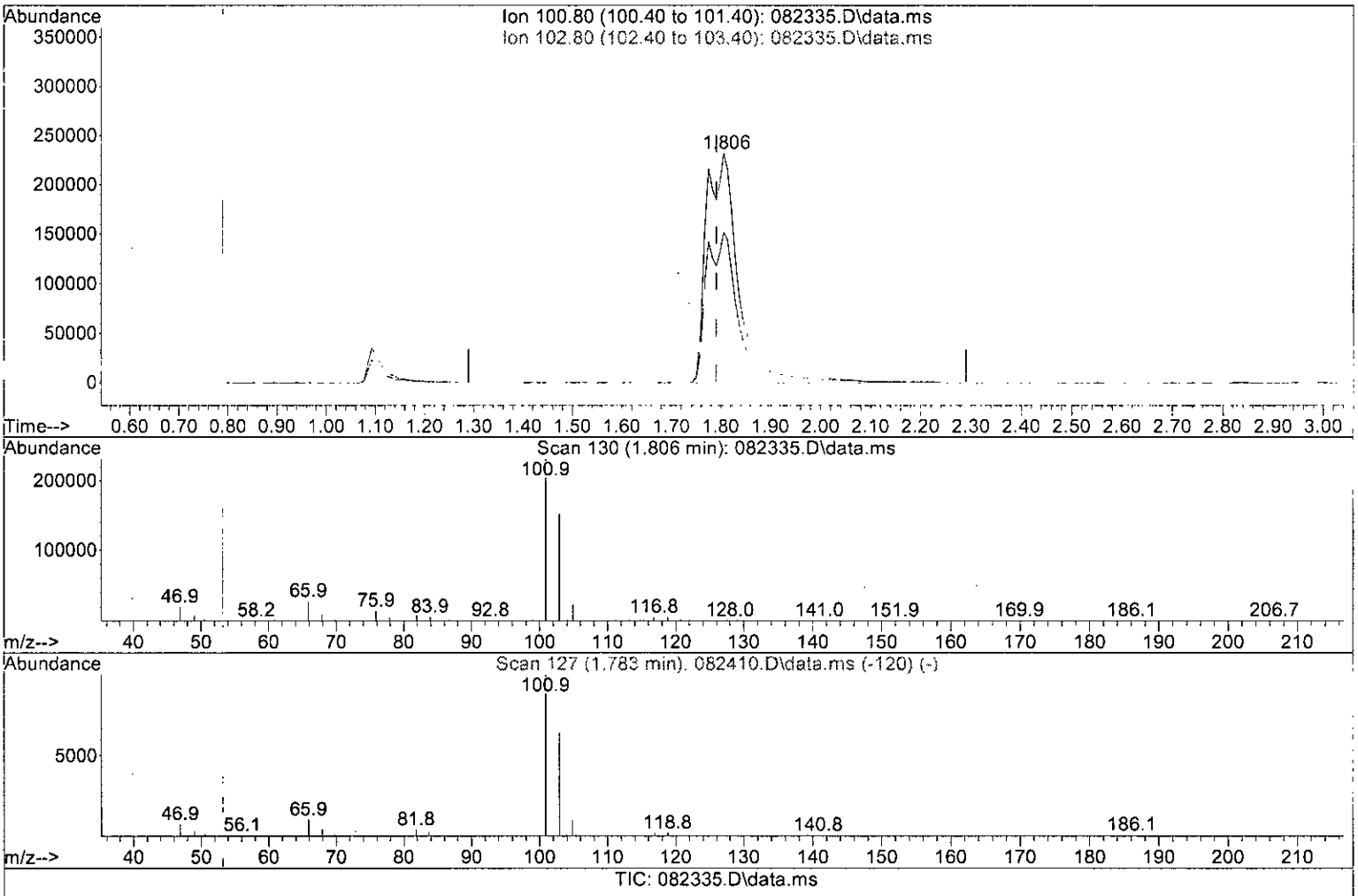
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	65.66
0.00	0.00	0.00
0.00	0.00	0.00

8/26 dcn

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082335.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.806min (+ 0.015) 154.932 ppb m

response 1112953

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	65.35
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.790	2.1	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	158.322	-5.5	100	0.02
5	TMP	Chloromethane	150.000	148.465	1.0	100	0.02
6	TMP	Vinyl chloride	150.000	153.948	-2.6	100	0.02
7	TMP	Bromomethane	150.000	152.156	-1.4	100	0.02
8	TMP	Chloroethane	150.000	151.013	-0.7	100	0.02
9	TMP	Trichlorofluoromethane	150.000	154.932	-3.3	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	750.000	763.817	-1.8	100	0.00
12	TMP	1,1-Dichloroethene	150.000	142.935	4.7	100	0.00
13	TMP	Hexane	150.000	146.767	2.2	100	0.00
14	TMP	Methylene chloride	150.000	151.423	-0.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	750.000	763.705	-1.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	143.989	4.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	147.794	1.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	147.279	1.8	100	0.00
19	TMP	1,1-Dichloroethane	150.000	141.768	5.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	152.543	-1.7	100	0.00
21	TMP	2,2-Dichloropropane	150.000	144.037	4.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	148.462	1.0	100	0.00
23	TMP	Chloroform	150.000	144.700	3.5	100	0.00
24	TMP	2-Butanone (MEK)	750.000	749.464	0.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	151.904	-1.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	147.394	1.7	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	144.819	3.5	100	0.00
28	TMP	1,1-Dichloropropene	150.000	150.966	-0.6	100	0.00
29	TMP	Carbon tetrachloride	150.000	155.362	-3.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.168	-1.7	100	0.00
31	TMP	Benzene	150.000	150.218	-0.1	100	0.00
32	TMP	Trichloroethene	150.000	150.751	-0.5	100	0.00
33	TMP	1,2-Dichloropropane	150.000	143.741	4.2	100	0.00
34	TMP	Bromodichloromethane	150.000	151.318	-0.9	100	0.00
35	S	Toluene-d8	10.000	9.774	2.3	100	0.00
36	TMP	Dibromomethane	150.000	150.196	-0.1	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	744.654	0.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	150.000	156.732	-4.5	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	158.011	-5.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	159.356	-6.2	100	0.01
42	TMP	1,1,2-Trichloroethane	150.000	152.453	-1.6	100	0.01
43	TMP	2-Hexanone	750.000	749.107	0.1	100	0.00
44	TMP	1,3-Dichloropropane	150.000	149.927	0.0	100	0.00
45	TMP	Tetrachloroethene	150.000	150.580	-0.4	100	0.01
46	TMP	Dibromochloromethane	150.000	161.143	-7.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	154.257	-2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	150.000	153.327	-2.2	100	0.00
49	TMP	Ethylbenzene	150.000	152.953	-2.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	157.317	-4.9	100	0.00
51	TMP	m,p-Xylene	300.000	310.986	-3.7	100	0.00
52	TMP	o-Xylene	150.000	155.904	-3.9	100	0.00
53	TMP	Styrene	150.000	155.627	-3.8	100	0.00
54	TMP	Isopropylbenzene	150.000	154.307	-2.9	100	0.00
55	TMP	Bromoform	150.000	151.844	-1.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.849	1.5	100	0.00
58	TMP	n-Propylbenzene	150.000	146.647	2.2	100	0.00
59	TMP	Bromobenzene	150.000	152.754	-1.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	146.363	2.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	150.886	-0.6	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	145.332	3.1	100	0.00
63	TMP	2-Chlorotoluene	150.000	144.833	3.4	100	0.00
64	TMP	4-Chlorotoluene	150.000	148.364	1.1	100	0.00
65	TMP	tert-Butylbenzene	150.000	149.332	0.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	149.399	0.4	100	0.00
67	TMP	sec-Butylbenzene	150.000	151.281	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	150.000	153.117	-2.1	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	150.146	-0.1	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	149.519	0.3	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	147.036	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	158.131	-5.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	150.000	154.405	-2.9	100	0.00
74	TMP	Hexachlorobutadiene	150.000	153.039	-2.0	100	0.00
75	TMP	Naphthalene	150.000	157.714	-5.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	156.593	-4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.283	2.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.803	-5.5	100	0.02
5	TMP	Chloromethane	0.900	0.890	1.1	100	0.02
6	TMP	Vinyl chloride	0.816	0.838	-2.7	100	0.02
7	TMP	Bromomethane	0.519	0.526	-1.3	100	0.02
8	TMP	Chloroethane	0.410	0.413	-0.7	100	0.02
9	TMP	Trichlorofluoromethane	1.035	1.069	-3.3	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.023	4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.273	4.5	100	0.00
13	TMP	Hexane	0.461	0.451	2.2	100	0.00
14	TMP	Methylene chloride	0.702	0.320	54.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.801	4.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.299	7.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.953	1.9	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.559	5.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.361	-1.7	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.323	11.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.331	6.0	100	0.00
23	TMP	Chloroform	0.551	0.532	3.4	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.127	2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.789	-1.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.405	15.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.491	3.5	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.388	-0.5	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.429	-3.6	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.062	-1.6	100	0.00
31	TMP	Benzene	1.180	1.111	5.8	100	0.00
32	TMP	Trichloroethene	0.330	0.309	6.4	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.287	4.3	100	0.00
34	TMP	Bromodichloromethane	0.375	0.379	-1.1	100	0.00
35	S	Toluene-d8	1.034	1.011	2.2	100	0.00
36	TMP	Dibromomethane	0.169	0.169	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.432	-4.6	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.840	23.1#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.461	-6.2	100	0.01
42	TMP	1,1,2-Trichloroethane	0.244	0.248	-1.6	100	0.01
43	TMP	2-Hexanone	0.230	0.230	0.0	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.446	0.2	100	0.00
45	TMP	Tetrachloroethene	0.410	0.336	18.0	100	0.01
46	TMP	Dibromochloromethane	0.343	0.369	-7.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.309	4.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.976	-2.2	100	0.00
49	TMP	Ethylbenzene	1.835	1.606	12.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.370	-4.8	100	0.00
51	TMP	m,p-Xylene	0.769	0.634	17.6	100	0.00
52	TMP	o-Xylene	0.707	0.633	10.5	100	0.00
53	TMP	Styrene	1.019	1.057	-3.7	100	0.00
54	TMP	Isopropylbenzene	1.597	1.643	-2.9	100	0.00
55	TMP	Bromoform	0.228	0.274	-20.2#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.822	1.6	100	0.00
58	TMP	n-Propylbenzene	3.173	3.102	2.2	100	0.00
59	TMP	Bromobenzene	0.796	0.811	-1.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.290	2.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.656	-0.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.472#	3.1	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.857	3.4	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.166	1.1	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.052	0.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.400	0.4	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.064	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.680	-2.1	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.494	-0.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.500	0.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.438	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.124	-5.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.126	-2.9	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.636	-2.1	100	0.00
75	TMP	Naphthalene	2.138	2.247	-5.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	1.026	-4.4	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	69436	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	58650	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	35067	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	19685	9.790	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.90%			
30) 1,2-Dichloroethane-d4	4.36	102	4282	10.168	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 101.70%			
35) Toluene-d8	5.98	98	70169	9.774	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 97.70%			
57) 4-Bromofluorobenzene	8.38	95	28826	9.849	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	836755	158.322	ppb	99
5) Chloromethane	1.23	50	927464	148.465	ppb	99
6] Vinyl chloride	1.31	62	872591	153.948	ppb	98
7) Bromomethane	1.55	94	548017	152.156	ppb	97
8] Chloroethane	1.60	64	429838	151.013	ppb	94
9) Trichlorofluoromethane	1.81	101	1112953m	154.932	ppb	
10) 2-Propanol	2.41	45	256	No Calib		
11) Acetone	2.27	58	121684	763.817	ppb	98
12] 1,1-Dichloroethene	2.20	96	284017	142.935	ppb	97
13) Hexane	3.05	57	469458	146.767	ppb	98
14) Methylene chloride	2.61	84	332797	151.423	ppb	93
15) t-Butyl alcohol (TBA)	2.74	59	179549	763.705	ppb	97
16] Methyl t-butyl ether (...	2.85	73	833936	143.989	ppb	99
17] trans-1,2-Dichloroethene	2.84	96	310957	147.794	ppb	99
18) Diisopropyl ether (DIPE)	3.25	45	992801	147.279	ppb	97
19] 1,1-Dichloroethane	3.19	63	581821	141.768	ppb	99
20) Ethyl t-butyl ether (E...	3.56	87	375591	152.543	ppb	96
21) 2,2-Dichloropropane	3.67	77	335964	144.037	ppb	98
22] cis-1,2-Dichloroethene	3.68	96	344542	148.462	ppb	94
23) Chloroform	3.95	83	553607	144.700	ppb	99
24) 2-Butanone (MEK)	3.71	43	659783	749.464	ppb	100
25) t-Amyl methyl ether (T...	4.50	73	821336	151.904	ppb	100
26] 1,2-Dichloroethane (EDC)	4.42	62	421555	147.394	ppb	99
27] 1,1,1-Trichloroethane	4.09	97	511887	144.819	ppb	92
28) 1,1-Dichloropropene	4.23	75	404187	150.966	ppb	99
29) Carbon tetrachloride	4.22	117	446748	155.362	ppb	97
31] Benzene	4.39	78	1157298	150.218	ppb	98
32] Trichloroethene	4.94	95	321362	150.751	ppb	97
33) 1,2-Dichloropropane	5.14	63	299172	143.741	ppb	99
34) Bromodichloromethane	5.37	83	394318	151.318	ppb	98
36) Dibromomethane	5.23	93	176125	150.196	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	234261	744.654	ppb	98
38) cis-1,3-Dichloropropene	5.76	75	449922	156.732	ppb	98
40] Toluene	6.04	92	738614	158.011	ppb	92
41) trans-1,3-Dichloropropene	6.26	75	405251	159.356	ppb	96

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

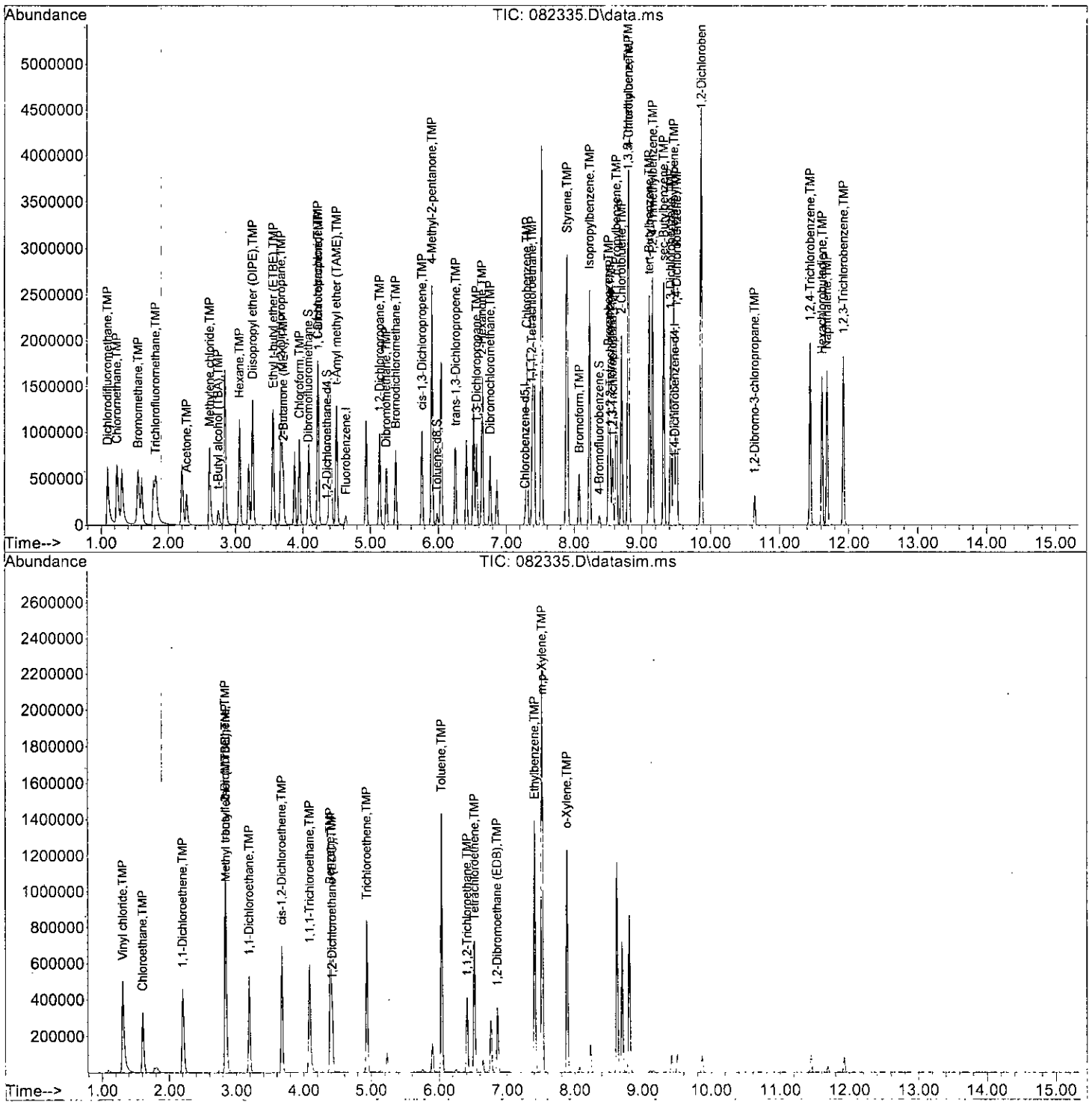
Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.41	83	218227	152.453	ppb	82
43) 2-Hexanone	6.64	43	1011055	749.107	ppb	99
44) 1,3-Dichloropropane	6.57	76	392786	149.927	ppb	99
45] Tetrachloroethene	6.52	164	295950	150.580	ppb	93
46) Dibromochloromethane	6.76	129	324583	161.143	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	271876	154.257	ppb	97
48) Chlorobenzene	7.30	112	858617	153.327	ppb	97
49] Ethylbenzene	7.41	91	1413027	152.953	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.38	131	325752	157.317	ppb	99
51] m,p-Xylene	7.52	106	1115754	310.986	ppb	90
52] o-Xylene	7.88	106	556993	155.904	ppb	92
53) Styrene	7.90	104	930298	155.627	ppb	99
54) Isopropylbenzene	8.23	105	1445510	154.307	ppb	97
55) Bromoform	8.08	173	241337	151.844	ppb	98
58) n-Propylbenzene	8.63	91	1631449	146.647	ppb	98
59) Bromobenzene	8.52	156	426349	152.754	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	1204303	146.363	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	345156	150.886	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	248195	145.332	ppb	98
63) 2-Chlorotoluene	8.70	91	976603	144.833	ppb	99
64) 4-Chlorotoluene	8.81	91	1139338	148.364	ppb	97
65) tert-Butylbenzene	9.11	119	1079155	149.332	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	1262527	149.399	ppb	98
67) sec-Butylbenzene	9.32	105	1611906	151.281	ppb	98
68) p-Isopropyltoluene	9.47	119	1409580	153.117	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	785854	150.146	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	789126	149.519	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	756521	147.036	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.64	75	65339	158.131	ppb	94
73) 1,2,4-Trichlorobenzene	11.44	180	592320	154.405	ppb	99
74) Hexachlorobutadiene	11.61	225	334519	153.039	ppb	96
75) Naphthalene	11.69	128	1182172	157.714	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	539658	156.593	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082335.D
Acq On : 23 Aug 2022 11:05 pm
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-74T
Misc :
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 20:01:31 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.589	4.1	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	206.502	-3.3	100	0.02
5	TMP	Chloromethane	200.000	190.217	4.9	100	0.00
6	TMP	Vinyl chloride	200.000	199.217	0.4	100	0.00
7	TMP	Bromomethane	200.000	195.227	2.4	100	0.00
8	TMP	Chloroethane	200.000	196.419	1.8	100	0.00
9	TMP	Trichlorofluoromethane	200.000	203.046	-1.5	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	1000.000	988.312	1.2	100	0.00
12	TMP	1,1-Dichloroethene	200.000	187.386	6.3	100	0.00
13	TMP	Hexane	200.000	189.855	5.1	100	0.00
14	TMP	Methylene chloride	200.000	199.629	0.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1000.000	1011.875	-1.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	200.000	188.738	5.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	200.000	193.074	3.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	200.000	193.077	3.5	100	0.00
19	TMP	1,1-Dichloroethane	200.000	185.526	7.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	198.647	0.7	100	0.00
21	TMP	2,2-Dichloropropane	200.000	184.061	8.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	193.524	3.2	100	0.00
23	TMP	Chloroform	200.000	188.370	5.8	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	971.643	2.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	200.000	202.073	-1.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	200.000	192.049	4.0	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	188.671	5.7	100	0.00
28	TMP	1,1-Dichloropropene	200.000	200.234	-0.1	100	0.00
29	TMP	Carbon tetrachloride	200.000	202.525	-1.3	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.612	3.9	100	0.00
31	TMP	Benzene	200.000	196.564	1.7	100	0.00
32	TMP	Trichloroethene	200.000	198.957	0.5	100	0.00
33	TMP	1,2-Dichloropropane	200.000	189.571	5.2	100	0.00
34	TMP	Bromodichloromethane	200.000	198.776	0.6	100	0.00
35	S	Toluene-d8	10.000	9.546	4.5	100	0.00
36	TMP	Dibromomethane	200.000	196.157	1.9	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	957.270	4.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	200.000	203.611	-1.8	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	211.545	-5.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	211.929	-6.0	100	0.01
42	TMP	1,1,2-Trichloroethane	200.000	202.381	-1.2	100	0.01
43	TMP	2-Hexanone	1000.000	966.602	3.3	100	0.00
44	TMP	1,3-Dichloropropane	200.000	198.823	0.6	100	0.00
45	TMP	Tetrachloroethene	200.000	201.316	-0.7	100	0.01
46	TMP	Dibromochloromethane	200.000	217.421	-8.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	204.697	-2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	200.000	205.659	-2.8	100	0.00
49	TMP	Ethylbenzene	200.000	202.356	-1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	212.558	-6.3	100	0.00
51	TMP	m,p-Xylene	400.000	414.925	-3.7	100	0.00
52	TMP	o-Xylene	200.000	209.503	-4.8	100	0.00
53	TMP	Styrene	200.000	209.313	-4.7	100	0.00
54	TMP	Isopropylbenzene	200.000	205.724	-2.9	100	0.00
55	TMP	Bromoform	200.000	195.920	2.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.760	2.4	100	0.00
58	TMP	n-Propylbenzene	200.000	195.996	2.0	100	0.00
59	TMP	Bromobenzene	200.000	202.199	-1.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	194.346	2.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	200.446	-0.2	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	191.067	4.5	100	0.00
63	TMP	2-Chlorotoluene	200.000	191.530	4.2	100	0.00
64	TMP	4-Chlorotoluene	200.000	197.431	1.3	100	0.00
65	TMP	tert-Butylbenzene	200.000	203.665	-1.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	199.692	0.2	100	0.00
67	TMP	sec-Butylbenzene	200.000	201.822	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	200.000	204.378	-2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	199.540	0.2	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	200.047	-0.0	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	196.963	1.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	211.825	-5.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	200.000	211.910	-6.0	100	0.00
74	TMP	Hexachlorobutadiene	200.000	209.250	-4.6	100	0.00
75	TMP	Naphthalene	200.000	214.117	-7.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	212.207	-6.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.278	4.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.786	-3.3	100	0.02
5	TMP	Chloromethane	0.900	0.856	4.9	100	0.00
6	TMP	Vinyl chloride	0.816	0.813	0.4	100	0.00
7	TMP	Bromomethane	0.519	0.506	2.5	100	0.00
8	TMP	Chloroethane	0.410	0.403	1.7	100	0.00
9	TMP	Trichlorofluoromethane	1.035	1.050	-1.4	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.023	4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.286	0.268	6.3	100	0.00
13	TMP	Hexane	0.461	0.437	5.2	100	0.00
14	TMP	Methylene chloride	0.702	0.308	56.1#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.787	5.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.293	9.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.937	3.5	100	0.00
19	TMP	1,1-Dichloroethane	0.591	0.548	7.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.352	0.8	100	0.00
21	TMP	2,2-Dichloropropane	0.364	0.309	15.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.323	8.2	100	0.00
23	TMP	Chloroform	0.551	0.519	5.8	100	0.00
24	TMP	2-Butanone (MEK)	0.130	0.123	5.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.787	-1.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.396	17.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.480	5.7	100	0.00
28	TMP	1,1-Dichloropropene	0.386	0.386	0.0	100	0.00
29	TMP	Carbon tetrachloride	0.414	0.419	-1.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.058	4.9	100	0.00
31	TMP	Benzene	1.180	1.090	7.6	100	0.00
32	TMP	Trichloroethene	0.330	0.305	7.6	100	0.00
33	TMP	1,2-Dichloropropane	0.300	0.284	5.3	100	0.00
34	TMP	Bromodichloromethane	0.375	0.373	0.5	100	0.00
35	S	Toluene-d8	1.034	0.987	4.5	100	0.00
36	TMP	Dibromomethane	0.169	0.166	1.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.043	4.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.421	-1.9	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.093	0.843	22.9#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.459	-5.8	100	0.01
42	TMP	1,1,2-Trichloroethane	0.244	0.247	-1.2	100	0.01
43	TMP	2-Hexanone	0.230	0.222	3.5	100	0.00
44	TMP	1,3-Dichloropropane	0.447	0.444	0.7	100	0.00
45	TMP	Tetrachloroethene	0.410	0.337	17.8	100	0.01
46	TMP	Dibromochloromethane	0.343	0.373	-8.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.308	5.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.982	-2.8	100	0.00
49	TMP	Ethylbenzene	1.835	1.594	13.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.375	-6.2	100	0.00
51	TMP	m,p-Xylene	0.769	0.635	17.4	100	0.00
52	TMP	o-Xylene	0.707	0.638	9.8	100	0.00
53	TMP	Styrene	1.019	1.067	-4.7	100	0.00
54	TMP	Isopropylbenzene	1.597	1.643	-2.9	100	0.00
55	TMP	Bromoform	0.228	0.279	-22.4#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.835	0.815	2.4	100	0.00
58	TMP	n-Propylbenzene	3.173	3.109	2.0	100	0.00
59	TMP	Bromobenzene	0.796	0.805	-1.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.280	2.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.654	-0.3	100	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.465#	4.5	100	0.00
63	TMP	2-Chlorotoluene	1.923	1.841	4.3	100	0.00
64	TMP	4-Chlorotoluene	2.190	2.162	1.3	100	0.00
65	TMP	tert-Butylbenzene	2.061	2.099	-1.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.406	0.2	100	0.00
67	TMP	sec-Butylbenzene	3.038	3.066	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.625	2.683	-2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.489	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.505	0.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.445	1.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.125	-5.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.159	-5.9	100	0.00
74	TMP	Hexachlorobutadiene	0.623	0.652	-4.7	100	0.00
75	TMP	Naphthalene	2.138	2.288	-7.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	1.043	-6.1	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	69813	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	57089	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	34343	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	19384	9.589	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	95.90%		
30) 1,2-Dichloroethane-d4	4.36	102	4070	9.612	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery =	96.10%		
35) Toluene-d8	5.98	98	68903	9.546	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery =	95.50%		
57) 4-Bromofluorobenzene	8.38	95	27974	9.760	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery =	97.60%		
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	1097318	206.502	ppb	99
5) Chloromethane	1.23	50	1194743	190.217	ppb	98
6] Vinyl chloride	1.30	62	1135315	199.217	ppb	96
7) Bromomethane	1.54	94	706963	195.227	ppb	97
8] Chloroethane	1.60	64	562116	196.419	ppb	98
9) Trichlorofluoromethane	1.81	101	1466503	203.046	ppb	99
10) 2-Propanol	2.41	45	452	No Calib		
11) Acetone	2.27	58	159683	988.312	ppb	99
12] 1,1-Dichloroethene	2.20	96	374365	187.386	ppb	99
13) Hexane	3.05	57	610578	189.855	ppb	99
14) Methylene chloride	2.61	84	430630	199.629	ppb	92
15) t-Butyl alcohol (TBA)	2.74	59	239186	1011.875	ppb	98
16] Methyl t-butyl ether (...	2.85	73	1099037	188.738	ppb	98
17] trans-1,2-Dichloroethene	2.84	96	408425	193.074	ppb	99
18) Diisopropyl ether (DIPE)	3.25	45	1308589	193.077	ppb	97
19] 1,1-Dichloroethane	3.19	63	765536	185.526	ppb	98
20) Ethyl t-butyl ether (E...	3.56	87	491765	198.647	ppb	96
21) 2,2-Dichloropropane	3.67	77	431581	184.061	ppb	97
22] cis-1,2-Dichloroethene	3.68	96	451551	193.524	ppb	93
23) Chloroform	3.95	83	724595	188.370	ppb	98
24) 2-Butanone (MEK)	3.71	43	859946	971.643	ppb	100
25) t-Amyl methyl ether (T...	4.50	73	1098528	202.073	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	552231	192.049	ppb	99
27] 1,1,1-Trichloroethane	4.09	97	670507	188.671	ppb	92
28) 1,1-Dichloropropene	4.23	75	539005	200.234	ppb	99
29) Carbon tetrachloride	4.22	117	585527	202.525	ppb	97
31] Benzene	4.39	78	1522554	196.564	ppb	98
32] Trichloroethene	4.94	95	426419	198.957	ppb	97
33) 1,2-Dichloropropane	5.14	63	396700	189.571	ppb	98
34) Bromodichloromethane	5.37	83	520800	198.776	ppb	98
36) Dibromomethane	5.23	93	231270	196.157	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	302783	957.270	ppb	96
38) cis-1,3-Dichloropropene	5.76	75	587670	203.611	ppb	97
40] Toluene	6.04	92	962347	211.545	ppb	92
41) trans-1,3-Dichloropropene	6.26	75	524603	211.929	ppb	95

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

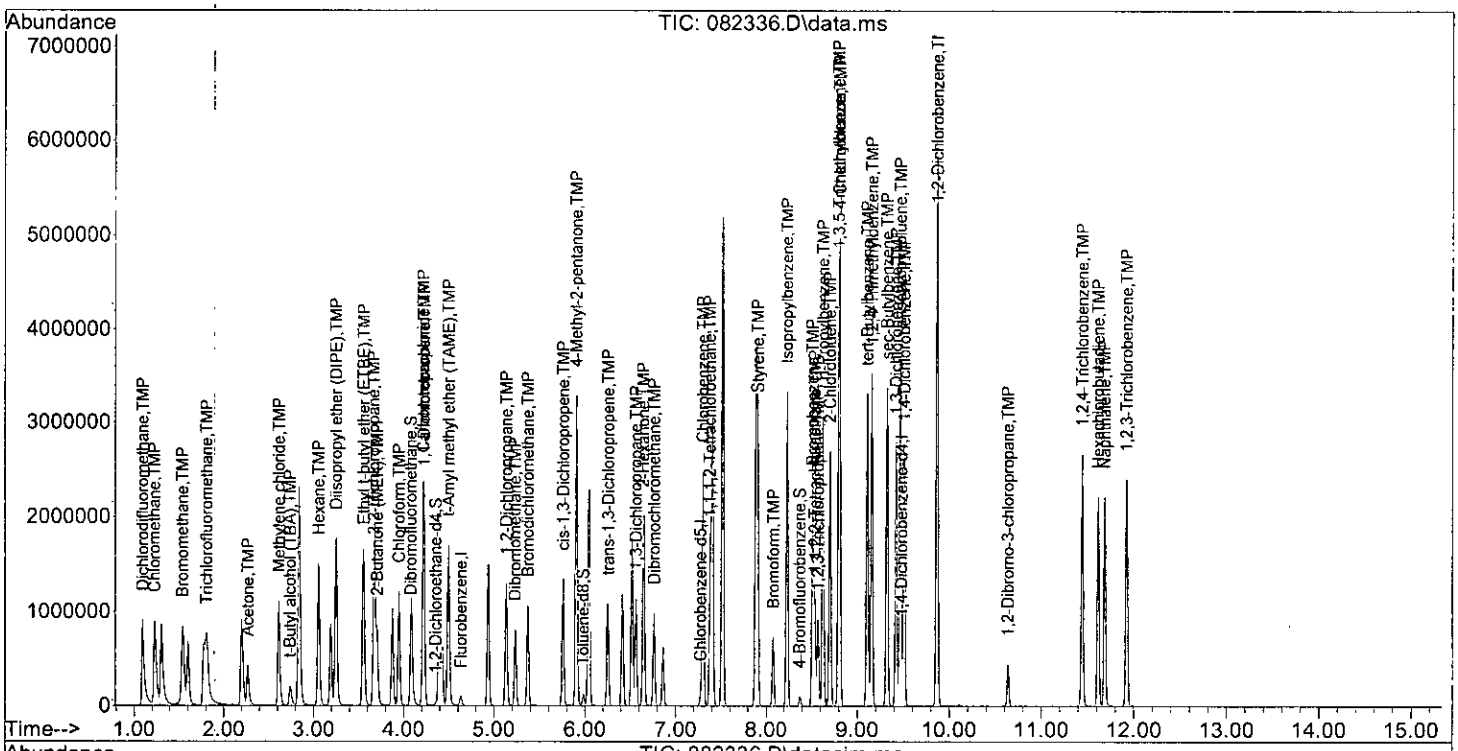
Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

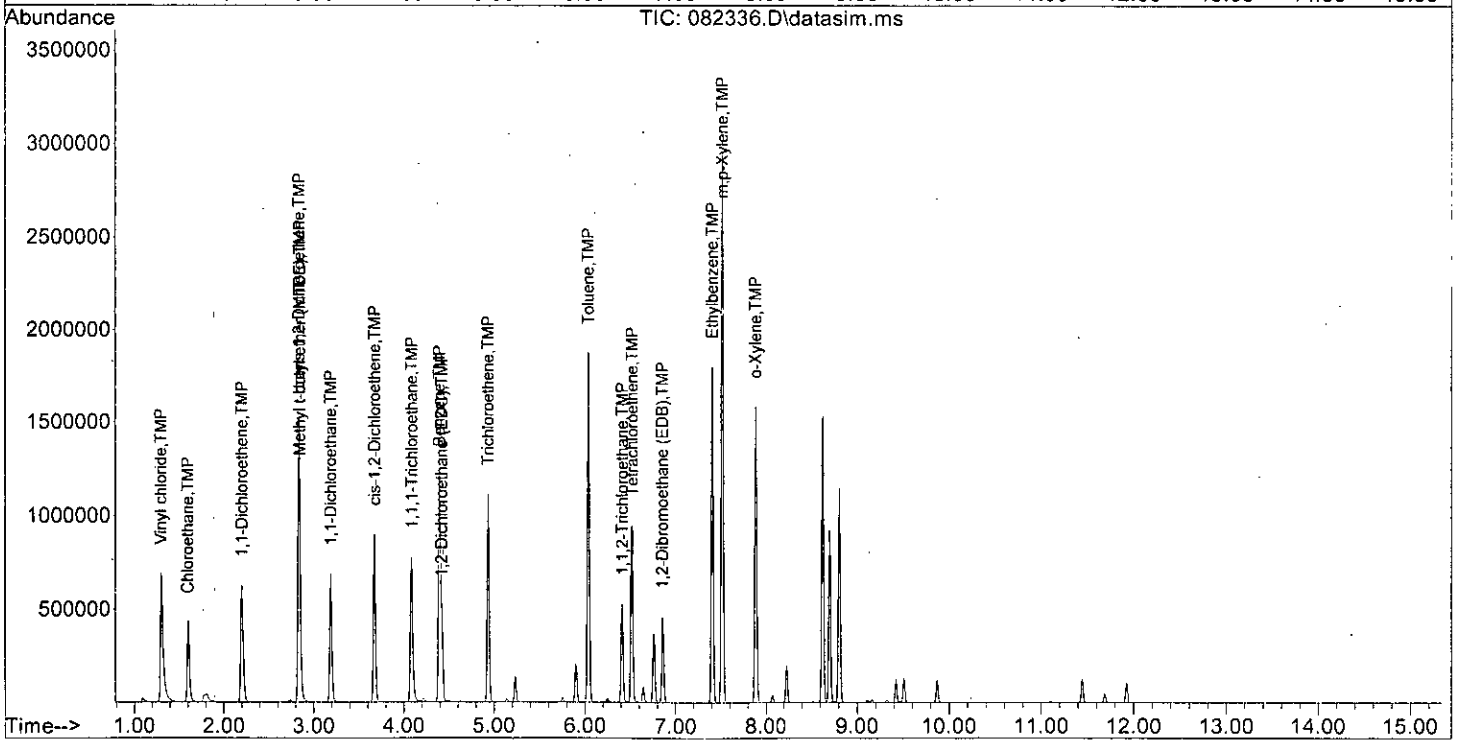
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.41	83	281986	202.381	ppb	82
43) 2-Hexanone	6.64	43	1269881	966.602	ppb	99
44) 1,3-Dichloropropane	6.57	76	507025	198.823	ppb	99
45] Tetrachloroethene	6.52	164	385112	201.316	ppb	93
46) Dibromochloromethane	6.76	129	426287	217.421	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	351165	204.697	ppb	97
48) Chlorobenzene	7.30	112	1121016	205.659	ppb	98
49] Ethylbenzene	7.41	91	1819601	202.356	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.38	131	428424	212.558	ppb	98
51] m,p-Xylene	7.52	106	1448947	414.925	ppb	88
52] o-Xylene	7.88	106	728530	209.503	ppb	90
53) Styrene	7.91	104	1217918	209.313	ppb	96
54) Isopropylbenzene	8.23	105	1875887	205.724	ppb	98
55) Bromoform	8.08	173	318924	195.920	ppb	98
58) n-Propylbenzene	8.63	91	2135446	195.996	ppb	97
59) Bromobenzene	8.52	156	552703	202.199	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	1566097	194.346	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.54	83	449061	200.446	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	319564	191.067	ppb	98
63) 2-Chlorotoluene	8.70	91	1264822	191.530	ppb	98
64) 4-Chlorotoluene	8.81	91	1484839	197.431	ppb	97
65) tert-Butylbenzene	9.11	119	1441413	203.665	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	1652704	199.692	ppb	97
67) sec-Butylbenzene	9.32	105	2106015	201.822	ppb	98
68) p-Isopropyltoluene	9.47	119	1842636	204.378	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	1022813	199.540	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	1034004	200.047	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	992479	196.963	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.64	75	85718	211.825	ppb	88
73) 1,2,4-Trichlorobenzene	11.44	180	796131	211.910	ppb	99
74) Hexachlorobutadiene	11.61	225	447945	209.250	ppb	97
75) Naphthalene	11.69	128	1571815	214.117	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	716217	212.207	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082336.D
Acq On : 23 Aug 2022 11:27 pm
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-74U
Misc :
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:54 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	103	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.795	2.1	98	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.966	-9.7	105	0.02
5	TMP	Chloromethane	10.000	10.211	-2.1	105	0.00
6	TMP	Vinyl chloride	10.000	11.085	-10.9	104	0.00
7	TMP	Bromomethane	10.000	10.547	-5.5	94	0.00
8	TMP	Chloroethane	10.000	10.670	-6.7	102	0.00
9	TMP	Trichlorofluoromethane	10.000	9.704	3.0	94	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.40#
11	TMP	Acetone	50.000	50.601	-1.2	109	0.00
12	TMP	1,1-Dichloroethene	10.000	10.306	-3.1	106	0.00
13	TMP	Hexane	10.000	9.330	6.7	99	0.00
14	TMP	Methylene chloride	10.000	9.131	8.7	93	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	52.889	-5.8	108	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.161	-1.6	102	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.676	-6.8	104	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.077	-0.8	102	0.00
19	TMP	1,1-Dichloroethane	10.000	9.823	1.8	101	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.396	-4.0	104	0.00
21	TMP	2,2-Dichloropropane	10.000	9.285	7.1	90	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.636	-6.4	102	0.00
23	TMP	Chloroform	10.000	9.819	1.8	101	0.00
24	TMP	2-Butanone (MEK)	50.000	54.491	-9.0	110	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.283	-2.8	102	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.423	-4.2	104	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.970	0.3	103	0.00
28	TMP	1,1-Dichloropropene	10.000	10.193	-1.9	107	0.00
29	TMP	Carbon tetrachloride	10.000	10.585	-5.9	106	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.727	2.7	99	0.00
31	TMP	Benzene	10.000	10.542	-5.4	105	0.00
32	TMP	Trichloroethene	10.000	10.631	-6.3	107	0.00
33	TMP	1,2-Dichloropropane	10.000	10.037	-0.4	105	0.00
34	TMP	Bromodichloromethane	10.000	10.260	-2.6	105	0.00
35	S	Toluene-d8	10.000	9.990	0.1	100	0.00
36	TMP	Dibromomethane	10.000	10.820	-8.2	110	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.541	-3.1	105	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.673	-6.7	102	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	98	0.00
40	TMP	Toluene	10.000	11.050	-10.5	104	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.648	-6.5	106	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.458	-4.6	101	0.00
43	TMP	2-Hexanone	50.000	51.876	-3.8	102	0.00
44	TMP	1,3-Dichloropropane	10.000	10.161	-1.6	100	0.00
45	TMP	Tetrachloroethene	10.000	10.794	-7.9	105	0.00
46	TMP	Dibromochloromethane	10.000	10.502	-5.0	99	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.731	-7.3	104	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	10.496	-5.0	102	0.00
49	TMP	Ethylbenzene	10.000	10.688	-6.9	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.394	-3.9	101	0.00
51	TMP	m,p-Xylene	20.000	21.298	-6.5	103	0.00
52	TMP	o-Xylene	10.000	10.545	-5.4	102	0.00
53	TMP	Styrene	10.000	10.128	-1.3	100	0.00
54	TMP	Isopropylbenzene	10.000	10.423	-4.2	103	0.00
55	TMP	Bromoform	10.000	10.446	-4.5	101	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	97	0.00
57	S	4-Bromofluorobenzene	10.000	10.351	-3.5	99	0.00
58	TMP	n-Propylbenzene	10.000	10.655	-6.5	103	0.00
59	TMP	Bromobenzene	10.000	10.815	-8.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.457	-4.6	103	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.700	-7.0	101	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.281	-2.8	104	0.00
63	TMP	2-Chlorotoluene	10.000	10.438	-4.4	102	0.00
64	TMP	4-Chlorotoluene	10.000	10.650	-6.5	103	0.00
65	TMP	tert-Butylbenzene	10.000	10.689	-6.9	103	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.560	-5.6	104	0.00
67	TMP	sec-Butylbenzene	10.000	10.787	-7.9	103	0.00
68	TMP	p-Isopropyltoluene	10.000	10.733	-7.3	102	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.609	-6.1	103	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.528	-5.3	102	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.439	-4.4	102	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.813	-8.1	107	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.692	-6.9	107	0.00
74	TMP	Hexachlorobutadiene	10.000	10.732	-7.3	103	0.00
75	TMP	Naphthalene	10.000	10.698	-7.0	106	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.682	-6.8	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.284	2.1	98	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.835	-9.7	105	0.02
5	TMP	Chloromethane	0.900	0.919	-2.1	105	0.00
6	TMP	Vinyl chloride	0.816	0.905	-10.9	104	0.00
7	TMP	Bromomethane	0.519	0.547	-5.4	94	0.00
8	TMP	Chloroethane	0.410	0.437	-6.6	102	0.00
9	TMP	Trichlorofluoromethane	1.035	1.004	3.0	94	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.023	4.2	109	0.00
12	TMP	1,1-Dichloroethene	0.286	0.295	-3.1	106	0.00
13	TMP	Hexane	0.461	0.430	6.7	99	0.00
14	TMP	Methylene chloride	0.702	0.636	9.4	93	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	108	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.848	-1.7	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.324	0.0	104	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.978	-0.7	102	0.00
19	TMP	1,1-Dichloroethane	0.591	0.581	1.7	101	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.369	-3.9	104	0.00
21	TMP	2,2-Dichloropropane	0.364	0.315	13.5	90	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.356	-1.1	102	0.00
23	TMP	Chloroform	0.551	0.541	1.8	101	0.00
24	TMP	2-Butanone (MEK)	0.130	0.139	-6.9	110	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.801	-2.8	102	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.430	10.4	104	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.508	0.2	103	0.00
28	TMP	1,1-Dichloropropene	0.386	0.393	-1.8	107	0.00
29	TMP	Carbon tetrachloride	0.414	0.438	-5.8	106	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.059	3.3	99	0.00
31	TMP	Benzene	1.180	1.171	0.8	105	0.00
32	TMP	Trichloroethene	0.330	0.327	0.9	107	0.00
33	TMP	1,2-Dichloropropane	0.300	0.301	-0.3	105	0.00
34	TMP	Bromodichloromethane	0.375	0.385	-2.7	105	0.00
35	S	Toluene-d8	1.034	1.033	0.1	100	0.00
36	TMP	Dibromomethane	0.169	0.183	-8.3	110	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.047	-4.4	105	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.441	-6.8	102	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
40	TMP	Toluene	1.093	0.890	18.6	104	0.00
41	TMP	trans-1,3-Dichloropropene	0.434	0.462	-6.5	106	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.255	-4.5	101	0.00
43	TMP	2-Hexanone	0.230	0.239	-3.9	102	0.00
44	TMP	1,3-Dichloropropane	0.447	0.454	-1.6	100	0.00
45	TMP	Tetrachloroethene	0.410	0.363	11.5	105	0.00
46	TMP	Dibromochloromethane	0.343	0.361	-5.2	99	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.323	0.6	104	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	1.002	-4.9	102	0.00
49	TMP	Ethylbenzene	1.835	1.687	8.1	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.367	-4.0	101	0.00
51	TMP	m,p-Xylene	0.769	0.654	15.0	103	0.00
52	TMP	o-Xylene	0.707	0.644	8.9	102	0.00
53	TMP	Styrene	1.019	1.032	-1.3	100	0.00
54	TMP	Isopropylbenzene	1.597	1.665	-4.3	103	0.00
55	TMP	Bromoform	0.228	0.235	-3.1	101	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
57	S	4-Bromofluorobenzene	0.835	0.864	-3.5	99	0.00
58	TMP	n-Propylbenzene	3.173	3.380	-6.5	103	0.00
59	TMP	Bromobenzene	0.796	0.861	-8.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.454	-4.6	103	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.698	-7.1	101	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.501	-2.9	104	0.00
63	TMP	2-Chlorotoluene	1.923	2.007	-4.4	102	0.00
64	TMP	4-Chlorotoluene	2.190	2.332	-6.5	103	0.00
65	TMP	tert-Butylbenzene	2.061	2.203	-6.9	103	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.545	-5.6	104	0.00
67	TMP	sec-Butylbenzene	3.038	3.278	-7.9	103	0.00
68	TMP	p-Isopropyltoluene	2.625	2.818	-7.4	102	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.583	-6.0	103	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.585	-5.3	102	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.532	-4.4	102	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.127	-7.6	107	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.170	-6.9	107	0.00
74	TMP	Hexachlorobutadiene	0.623	0.669	-7.4	103	0.00
75	TMP	Naphthalene	2.138	2.287	-7.0	106	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	1.050	-6.8	104	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	70501	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	60409	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	33497	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	19996	9.795	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.90%			
30) 1,2-Dichloroethane-d4	4.36	102	4159	9.727	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.30%			
35) Toluene-d8	5.98	98	72816	9.990	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 99.90%			
57) 4-Bromofluorobenzene	8.38	95	28939	10.351	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	58847	10.966	ppb	98
5) Chloromethane	1.23	50	64768	10.211	ppb	97
6] Vinyl chloride	1.30	62	63797	11.085	ppb	97
7) Bromomethane	1.54	94	38570	10.547	ppb	92
8] Chloroethane	1.60	64	30836	10.670	ppb	98
9) Trichlorofluoromethane	1.77	101	70777	9.704	ppb	92
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.27	58	8167	50.601	ppb	93
12] 1,1-Dichloroethene	2.20	96	20793	10.306	ppb	94
13) Hexane	3.05	57	30300	9.330	ppb	99
14) Methylene chloride	2.61	84	44847	9.131	ppb	90
15) t-Butyl alcohol (TBA)	2.74	59	12625	52.889	ppb	100
16] Methyl t-butyl ether (...	2.85	73	59750	10.161	ppb	99
17] trans-1,2-Dichloroethene	2.84	96	22828	10.676	ppb	98
18) Diisopropyl ether (DIPE)	3.25	45	68972	10.077	ppb	96
19] 1,1-Dichloroethane	3.19	63	40932	9.823	ppb	98
20) Ethyl t-butyl ether (E...	3.55	87	25989	10.396	ppb	97
21) 2,2-Dichloropropane	3.67	77	22221	9.285	ppb	96
22] cis-1,2-Dichloroethene	3.68	96	25081	10.636	ppb	92
23) Chloroform	3.95	83	38142	9.819	ppb	98
24) 2-Butanone (MEK)	3.71	43	48942	54.491	ppb	98
25) t-Amyl methyl ether (T...	4.50	73	56455	10.283	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	30337	10.423	ppb	99
27] 1,1,1-Trichloroethane	4.09	97	35782	9.970	ppb	91
28) 1,1-Dichloropropene	4.22	75	27709	10.193	ppb	97
29) Carbon tetrachloride	4.22	117	30903	10.585	ppb	97
31] Benzene	4.39	78	82539	10.542	ppb	99
32] Trichloroethene	4.94	95	23034	10.631	ppb	99
33) 1,2-Dichloropropane	5.14	63	21210	10.037	ppb	98
34) Bromodichloromethane	5.37	83	27147	10.260	ppb	99
36) Dibromomethane	5.23	93	12882	10.820	ppb	94
37) 4-Methyl-2-pentanone	5.91	85	16463	51.541	ppb	99
38) cis-1,3-Dichloropropene	5.76	75	31107	10.673	ppb	93
40] Toluene	6.04	92	53759	11.050	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	27891	10.648	ppb	96

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

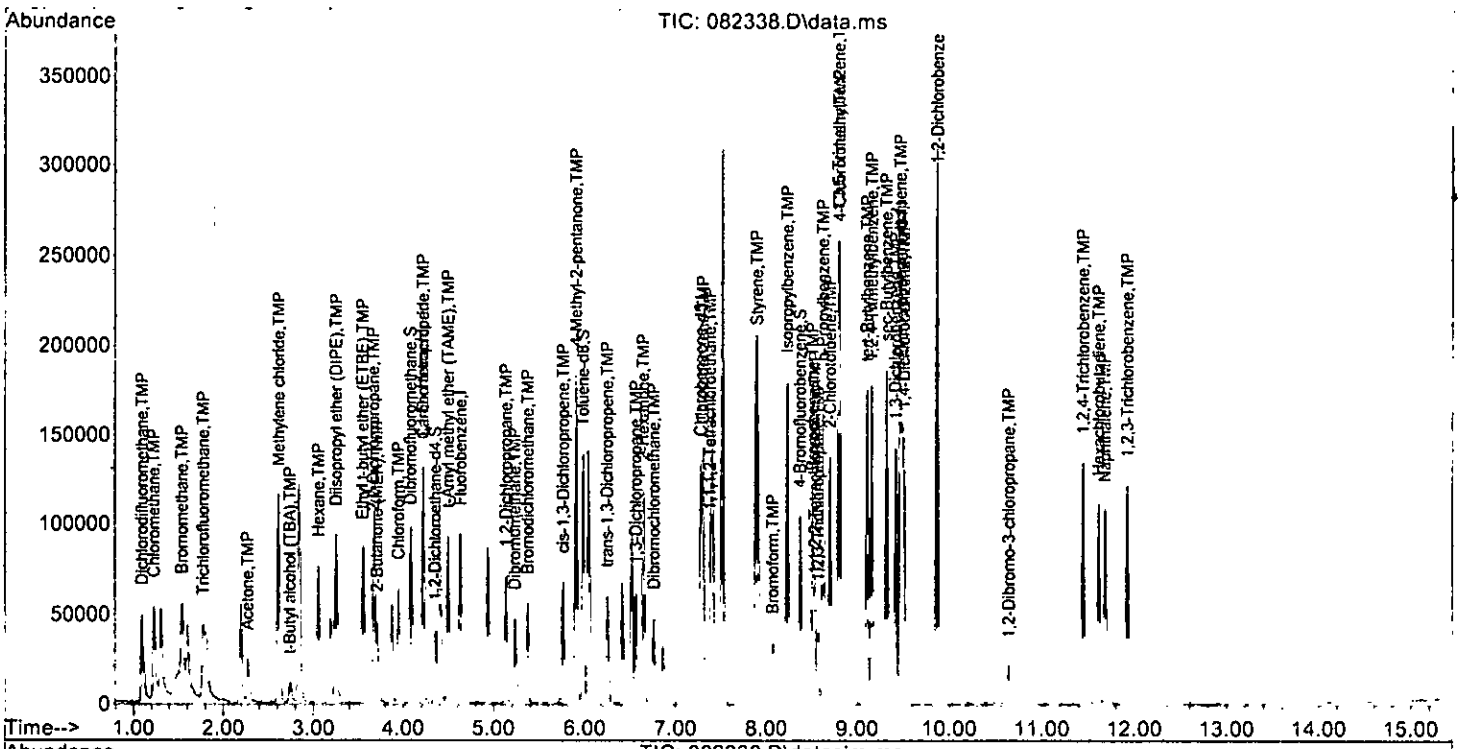
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	15419	10.458	ppb	92
43) 2-Hexanone	6.64	43	72116	51.876	ppb	98
44) 1,3-Dichloropropane	6.57	76	27419	10.161	ppb	95
45] Tetrachloroethene	6.51	164	21917	10.794	ppb	97
46) Dibromochloromethane	6.76	129	21789	10.502	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	19502	10.731	ppb	97
48) Chlorobenzene	7.30	112	60538	10.496	ppb	99
49] Ethylbenzene	7.41	91	101927	10.688	ppb	86
50) 1,1,1,2-Tetrachloroethane	7.38	131	22169	10.394	ppb	99
51] m,p-Xylene	7.52	106	78985	21.298	ppb	95
52] o-Xylene	7.88	106	38890	10.545	ppb	97
53) Styrene	7.90	104	62361	10.128	ppb	99
54) Isopropylbenzene	8.23	105	100564	10.423	ppb	97
55) Bromoform	8.07	173	14172	10.446	ppb	97
58) n-Propylbenzene	8.63	91	113228	10.655	ppb	97
59) Bromobenzene	8.52	156	28833	10.815	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	82189	10.457	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.54	83	23380	10.700	ppb	92
62) 1,2,3-Trichloropropane	8.57	75	16772	10.281	ppb	97
63) 2-Chlorotoluene	8.70	91	67233	10.438	ppb	99
64) 4-Chlorotoluene	8.81	91	78122	10.650	ppb	97
65) tert-Butylbenzene	9.11	119	73789	10.689	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	85248	10.560	ppb	98
67) sec-Butylbenzene	9.32	105	109794	10.787	ppb	99
68) p-Isopropyltoluene	9.47	119	94385	10.733	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	53040	10.609	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	53078	10.528	ppb	99
71) 1,2-Dichlorobenzene	9.87	146	51303	10.439	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.64	75	4268	10.813	ppb	90
73) 1,2,4-Trichlorobenzene	11.44	180	39181	10.692	ppb	99
74) Hexachlorobutadiene	11.61	225	22409	10.732	ppb	95
75) Naphthalene	11.68	128	76599	10.698	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	35166	10.682	ppb	96

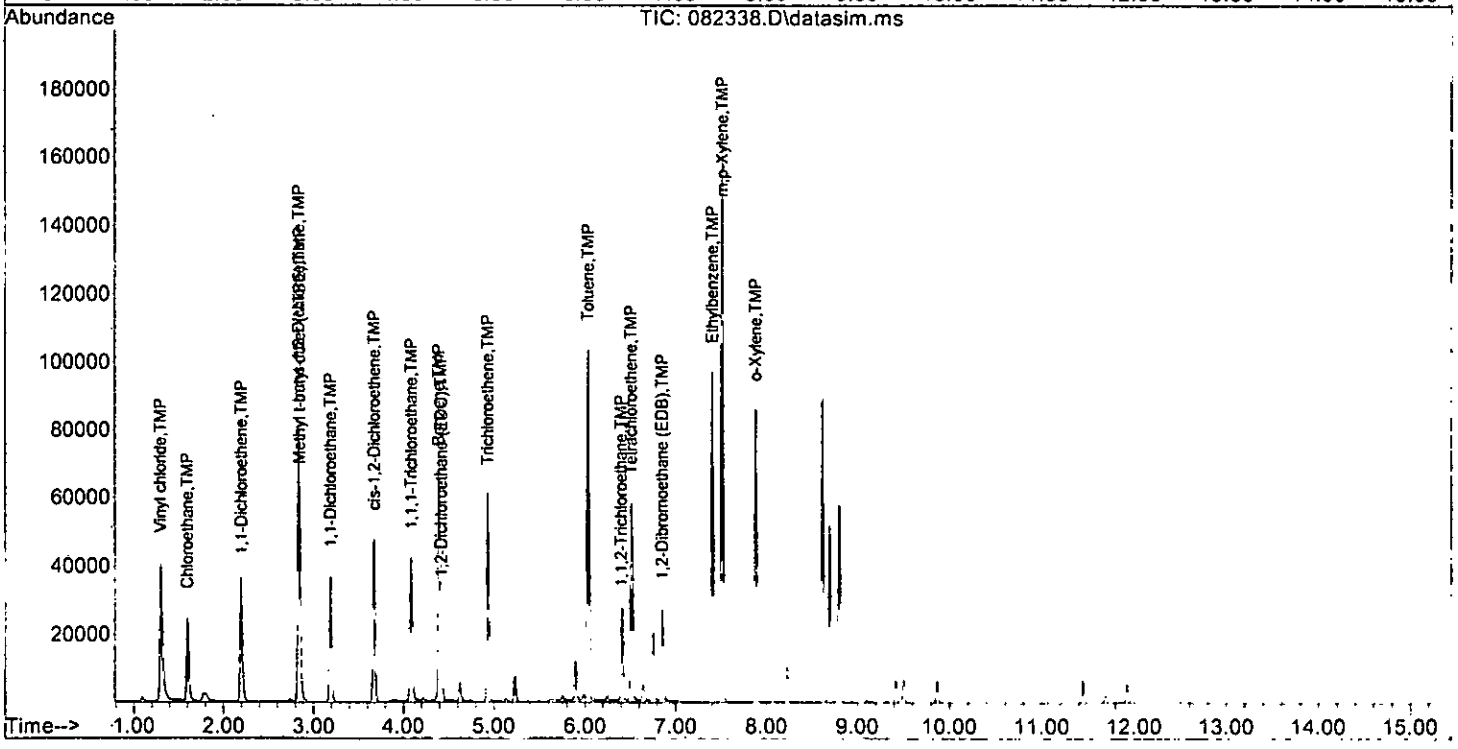
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-23-22\
Data File : 082338.D
Acq On : 24 Aug 2022 12:12 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-55C
Misc :
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 19:41:56 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





EPA 8260D
CCV Summaries

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	97	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.476	5.2	89	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.776	2.2	88	0.00
5	TMP	Chloromethane	10.000	9.363	6.4	90	0.00
6	TMP	Vinyl chloride	10.000	10.166	-1.7	89	0.00
7	TMP	Bromomethane	10.000	9.991	0.1	84	0.00
8	TMP	Chloroethane	10.000	10.094	-0.9	90	0.00
9	TMP	Trichlorofluoromethane	10.000	9.444	5.6	86	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.40#
11	TMP	Acetone	50.000	45.866	8.3	93	0.00
12	TMP	1,1-Dichloroethene	10.000	9.322	6.8	90	0.00
13	TMP	Hexane	10.000	9.379	6.2	93	0.00
14	TMP	Methylene chloride	10.000	15.214	-52.1#	112	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	48.501	3.0	92	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	9.472	5.3	90	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.938	0.6	91	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.232	7.7	88	0.00
19	TMP	1,1-Dichloroethane	10.000	9.275	7.2	90	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.580	4.2	90	0.00
21	TMP	2,2-Dichloropropane	10.000	10.952	-9.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.609	3.9	87	0.00
23	TMP	Chloroform	10.000	9.286	7.1	90	0.00
24	TMP	2-Butanone (MEK)	50.000	48.569	2.9	92	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.322	6.8	87	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.954	0.5	93	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.299	7.0	90	0.00
28	TMP	1,1-Dichloropropene	10.000	9.690	3.1	96	0.00
29	TMP	Carbon tetrachloride	10.000	9.784	2.2	92	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.339	6.6	89	0.00
31	TMP	Benzene	10.000	10.008	-0.1	94	0.00
32	TMP	Trichloroethene	10.000	10.311	-3.1	97	0.00
33	TMP	1,2-Dichloropropane	10.000	9.535	4.6	93	0.00
34	TMP	Bromodichloromethane	10.000	9.576	4.2	92	0.00
35	S	Toluene-d8	10.000	9.291	7.1	87	0.00
36	TMP	Dibromomethane	10.000	10.111	-1.1	97	0.00
37	TMP	4-Methyl-2-pentanone	50.000	44.325	11.3	84	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.644	3.6	87	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	84	0.00
40	TMP	Toluene	10.000	10.778	-7.8	86	-0.01
41	TMP	trans-1,3-Dichloropropene	10.000	9.888	1.1	84	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.875	1.3	82	0.00
43	TMP	2-Hexanone	50.000	47.025	6.0	79	0.00
44	TMP	1,3-Dichloropropane	10.000	9.703	3.0	81	-0.01
45	TMP	Tetrachloroethene	10.000	10.399	-4.0	86	0.00
46	TMP	Dibromochloromethane	10.000	10.428	-4.3	84	-0.01
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.841	1.6	81	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	9.733	2.7	81	0.00
49	TMP	Ethylbenzene	10.000	9.869	1.3	80	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.309	-3.1	85	0.00
51	TMP	m,p-Xylene	20.000	19.659	1.7	81	0.00
52	TMP	o-Xylene	10.000	10.096	-1.0	83	0.00
53	TMP	Styrene	10.000	9.371	6.3	79	0.00
54	TMP	Isopropylbenzene	10.000	10.003	-0.0	84	0.00
55	TMP	Bromoform	10.000	9.995	0.1	83	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	87	0.00
57	S	4-Bromofluorobenzene	10.000	9.502	5.0	81	0.00
58	TMP	n-Propylbenzene	10.000	9.602	4.0	83	0.00
59	TMP	Bromobenzene	10.000	9.413	5.9	78	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.740	2.6	86	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.615	3.8	81	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.253	7.5	84	0.00
63	TMP	2-Chlorotoluene	10.000	9.609	3.9	84	0.00
64	TMP	4-Chlorotoluene	10.000	9.592	4.1	83	0.00
65	TMP	tert-Butylbenzene	10.000	10.185	-1.9	88	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.641	3.6	85	0.00
67	TMP	sec-Butylbenzene	10.000	10.015	-0.2	86	0.00
68	TMP	p-Isopropyltoluene	10.000	10.028	-0.3	86	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.592	4.1	83	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.551	4.5	83	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.772	2.3	86	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.326	-3.3	91	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.869	1.3	88	0.00
74	TMP	Hexachlorobutadiene	10.000	10.046	-0.5	87	0.00
75	TMP	Naphthalene	10.000	9.800	2.0	87	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.836	1.6	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.290	0.274	5.5	89	0.00
4	TMP	Dichlorodifluoromethane	0.761	0.744	2.2	88	0.00
5	TMP	Chloromethane	0.900	0.842	6.4	90	0.00
6	TMP	Vinyl chloride	0.816	0.830	-1.7	89	0.00
7	TMP	Bromomethane	0.519	0.518	0.2	84	0.00
8	TMP	Chloroethane	0.410	0.414	-1.0	90	0.00
9	TMP	Trichlorofluoromethane	1.035	0.977	5.6	86	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.40#
11	TMP	Acetone	0.024	0.021	12.5	93	0.00
12	TMP	1,1-Dichloroethene	0.286	0.267	6.6	90	0.00
13	TMP	Hexane	0.461	0.432	6.3	93	0.00
14	TMP	Methylene chloride	0.702	0.817	-16.4	112	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	92	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.834	0.790	5.3	90	0.00
17	TMP	trans-1,2-Dichloroethene	0.324	0.301	7.1	91	0.00
18	TMP	Diisopropyl ether (DIPE)	0.971	0.896	7.7	88	0.00
19	TMP	1,1-Dichloroethane	0.591	0.548	7.3	90	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.355	0.340	4.2	90	0.00
21	TMP	2,2-Dichloropropane	0.364	0.371	-1.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.352	0.321	8.8	87	0.00
23	TMP	Chloroform	0.551	0.512	7.1	90	0.00
24	TMP	2-Butanone (MEK)	0.130	0.124	4.6	92	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.779	0.726	6.8	87	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.480	0.411	14.4	93	0.00
27	TMP	1,1,1-Trichloroethane	0.509	0.473	7.1	90	0.00
28	TMP	1,1-Dichloropropene	0.386	0.374	3.1	96	0.00
29	TMP	Carbon tetrachloride	0.414	0.405	2.2	92	0.00
30	S	1,2-Dichloroethane-d4	0.061	0.057	6.6	89	0.00
31	TMP	Benzene	1.180	1.112	5.8	94	0.00
32	TMP	Trichloroethene	0.330	0.317	3.9	97	0.00
33	TMP	1,2-Dichloropropane	0.300	0.286	4.7	93	0.00
34	TMP	Bromodichloromethane	0.375	0.359	4.3	92	0.00
35	S	Toluene-d8	1.034	0.961	7.1	87	0.00
36	TMP	Dibromomethane	0.169	0.171	-1.2	97	0.00
37	TMP	4-Methyl-2-pentanone	0.045	0.040	11.1	84	0.00
38	TMP	cis-1,3-Dichloropropene	0.413	0.399	3.4	87	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
40	TMP	Toluene	1.093	0.868	20.6#	86	-0.01
41	TMP	trans-1,3-Dichloropropene	0.434	0.429	1.2	84	0.00
42	TMP	1,1,2-Trichloroethane	0.244	0.241	1.2	82	0.00
43	TMP	2-Hexanone	0.230	0.216	6.1	79	0.00
44	TMP	1,3-Dichloropropane	0.447	0.433	3.1	81	-0.01
45	TMP	Tetrachloroethene	0.410	0.350	14.6	86	0.00
46	TMP	Dibromochloromethane	0.343	0.358	-4.4	84	-0.01
47	TMP	1,2-Dibromoethane (EDB)	0.325	0.296	8.9	81	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.955	0.929	2.7	81	0.00
49	TMP	Ethylbenzene	1.835	1.558	15.1	80	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.353	0.364	-3.1	85	0.00
51	TMP	m,p-Xylene	0.769	0.604	21.5#	81	0.00
52	TMP	o-Xylene	0.707	0.616	12.9	83	0.00
53	TMP	Styrene	1.019	0.955	6.3	79	0.00
54	TMP	Isopropylbenzene	1.597	1.598	-0.1	84	0.00
55	TMP	Bromoform	0.228	0.224	1.8	83	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
57	S	4-Bromofluorobenzene	0.835	0.793	5.0	81	0.00
58	TMP	n-Propylbenzene	3.173	3.046	4.0	83	0.00
59	TMP	Bromobenzene	0.796	0.749	5.9	78	0.00
60	TMP	1,3,5-Trimethylbenzene	2.346	2.285	2.6	86	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.652	0.627	3.8	81	0.00
62	TMP	1,2,3-Trichloropropane	0.487	0.451#	7.4	84	0.00
63	TMP	2-Chlorotoluene	1.923	1.848	3.9	84	0.00
64	TMP	4-Chlorotoluene	2.190	2.100	4.1	83	0.00
65	TMP	tert-Butylbenzene	2.061	2.099	-1.8	88	0.00
66	TMP	1,2,4-Trimethylbenzene	2.410	2.323	3.6	85	0.00
67	TMP	sec-Butylbenzene	3.038	3.043	-0.2	86	0.00
68	TMP	p-Isopropyltoluene	2.625	2.633	-0.3	86	0.00
69	TMP	1,3-Dichlorobenzene	1.493	1.432	4.1	83	0.00
70	TMP	1,4-Dichlorobenzene	1.505	1.438	4.5	83	0.00
71	TMP	1,2-Dichlorobenzene	1.467	1.434	2.2	86	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.118	0.122	-3.4	91	0.00
73	TMP	1,2,4-Trichlorobenzene	1.094	1.080	1.3	88	0.00
74	TMP	Hexachlorobutadiene	0.623	0.626	-0.5	87	0.00
75	TMP	Naphthalene	2.138	2.095	2.0	87	0.00
76	TMP	1,2,3-Trichlorobenzene	0.983	0.967	1.6	86	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	66119	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	51507	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29999	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	18143	9.476	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	94.80%		
30) 1,2-Dichloroethane-d4	4.36	102	3745	9.339	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery =	93.40%		
35) Toluene-d8	5.98	98	63511	9.291	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery =	92.90%		
57) 4-Bromofluorobenzene	8.38	95	23791	9.502	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery =	95.00%		
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	49200	9.776	ppb	96
5) Chloromethane	1.22	50	55695	9.363	ppb	99
6] Vinyl chloride	1.29	62	54870	10.166	ppb	100
7) Bromomethane	1.53	94	34265	9.991	ppb	96
8] Chloroethane	1.59	64	27358	10.094	ppb	93
9) Trichlorofluoromethane	1.77	101	64603	9.444	ppb	98
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	6962	45.866	ppb	92
12] 1,1-Dichloroethene	2.18	96	17639	9.322	ppb	89
13) Hexane	3.05	57	28566	9.379	ppb	100
14) Methylene chloride	2.60	84	54004	15.214	ppb	93
15) t-Butyl alcohol (TBA)	2.73	59	10858	48.501	ppb	92
16] Methyl t-butyl ether (...	2.84	73	52240	9.472	ppb	98
17] trans-1,2-Dichloroethene	2.82	96	19930	9.938	ppb	88
18) Diisopropyl ether (DIPE)	3.24	45	59257	9.232	ppb	96
19] 1,1-Dichloroethane	3.18	63	36246	9.275	ppb	98
20) Ethyl t-butyl ether (E...	3.54	87	22461	9.580	ppb	96
21) 2,2-Dichloropropane	3.67	77	24541	10.952	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	21252	9.609	ppb	93
23) Chloroform	3.94	83	33831	9.286	ppb	99
24) 2-Butanone (MEK)	3.70	43	40937	48.569	ppb	97
25) t-Amyl methyl ether (T...	4.49	73	47995	9.322	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	27176	9.954	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	31299	9.299	ppb	94
28) 1,1-Dichloropropene	4.22	75	24703	9.690	ppb	94
29) Carbon tetrachloride	4.21	117	26789	9.784	ppb	95
31] Benzene	4.39	78	73492	10.008	ppb	96
32] Trichloroethene	4.93	95	20953	10.311	ppb	91
33) 1,2-Dichloropropane	5.13	63	18897	9.535	ppb	97
34) Bromodichloromethane	5.37	83	23763	9.576	ppb	99
36) Dibromomethane	5.23	93	11290	10.111	ppb	95
37) 4-Methyl-2-pentanone	5.91	85	13278	44.325	ppb	99
38) cis-1,3-Dichloropropene	5.75	75	26362	9.644	ppb	97
40] Toluene	6.03	92	44719	10.778	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	22084	9.888	ppb	99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

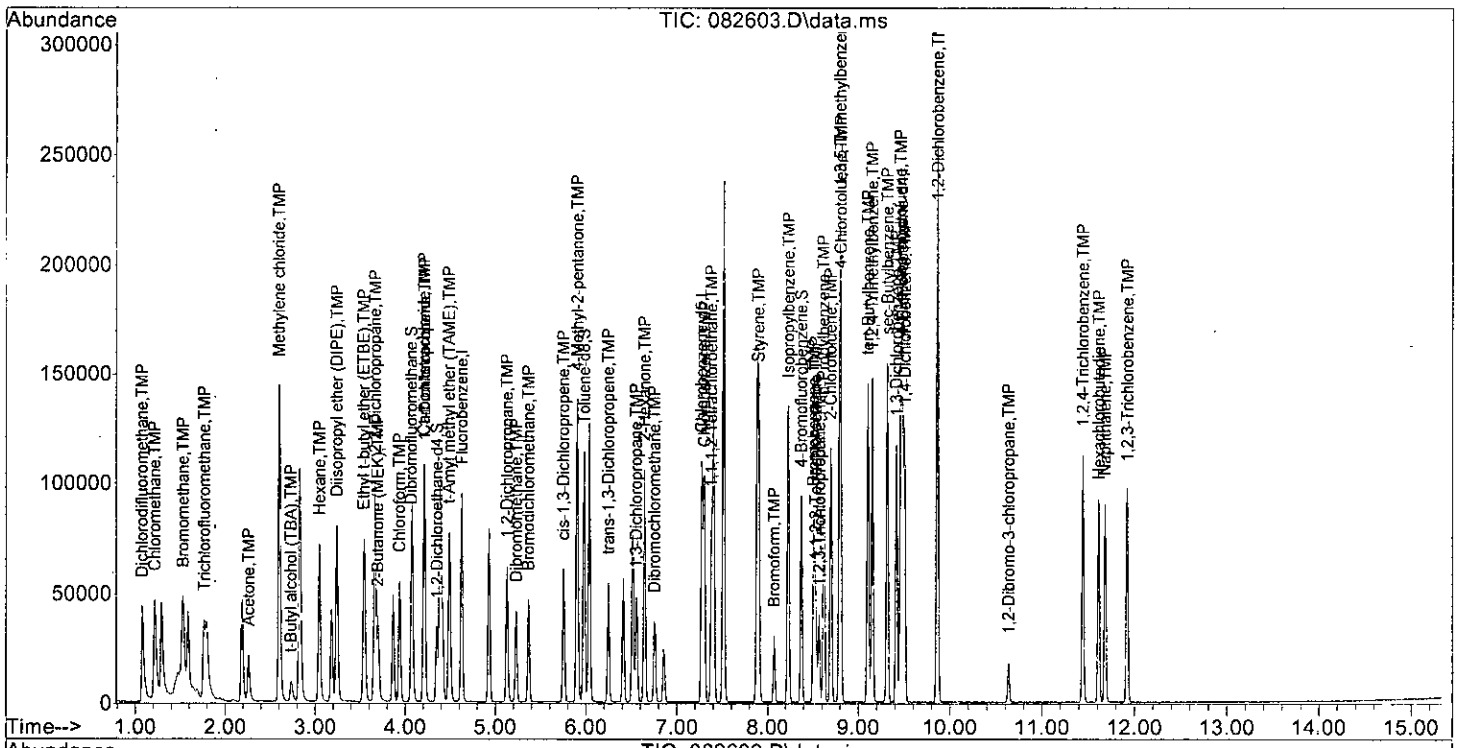
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	12414	9.875	ppb	100
43) 2-Hexanone	6.64	43	55739	47.025	ppb	99
44) 1,3-Dichloropropane	6.55	76	22325	9.703	ppb	95
45] Tetrachloroethene	6.51	164	18006	10.399	ppb	99
46) Dibromochloromethane	6.75	129	18447	10.428	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	15250	9.841	ppb	100
48) Chlorobenzene	7.30	112	47866	9.733	ppb	98
49] Ethylbenzene	7.40	91	80267	9.869	ppb	97
50) 1,1,1,2-Tetrachloroethane	7.38	131	18747	10.309	ppb	94
51] m,p-Xylene	7.52	106	62182	19.659	ppb	95
52] o-Xylene	7.88	106	31750	10.096	ppb	94
53) Styrene	7.90	104	49194	9.371	ppb	99
54) Isopropylbenzene	8.23	105	82291	10.003	ppb	97
55) Bromoform	8.07	173	11552	9.995	ppb	95
58) n-Propylbenzene	8.62	91	91386	9.602	ppb	100
59) Bromobenzene	8.51	156	22475	9.413	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	68558	9.740	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	18816	9.615	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	13518	9.253	ppb	95
63) 2-Chlorotoluene	8.70	91	55431	9.609	ppb	97
64) 4-Chlorotoluene	8.81	91	63012	9.592	ppb	98
65) tert-Butylbenzene	9.10	119	62963	10.185	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	69700	9.641	ppb	97
67) sec-Butylbenzene	9.32	105	91290	10.015	ppb	99
68) p-Isopropyltoluene	9.46	119	78973	10.028	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	42949	9.592	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	43125	9.551	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	43013	9.772	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.64	75	3650	10.326	ppb	92
73) 1,2,4-Trichlorobenzene	11.44	180	32388	9.869	ppb	97
74) Hexachlorobutadiene	11.61	225	18786	10.046	ppb	96
75) Naphthalene	11.68	128	62842	9.800	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	28999	9.836	ppb	99

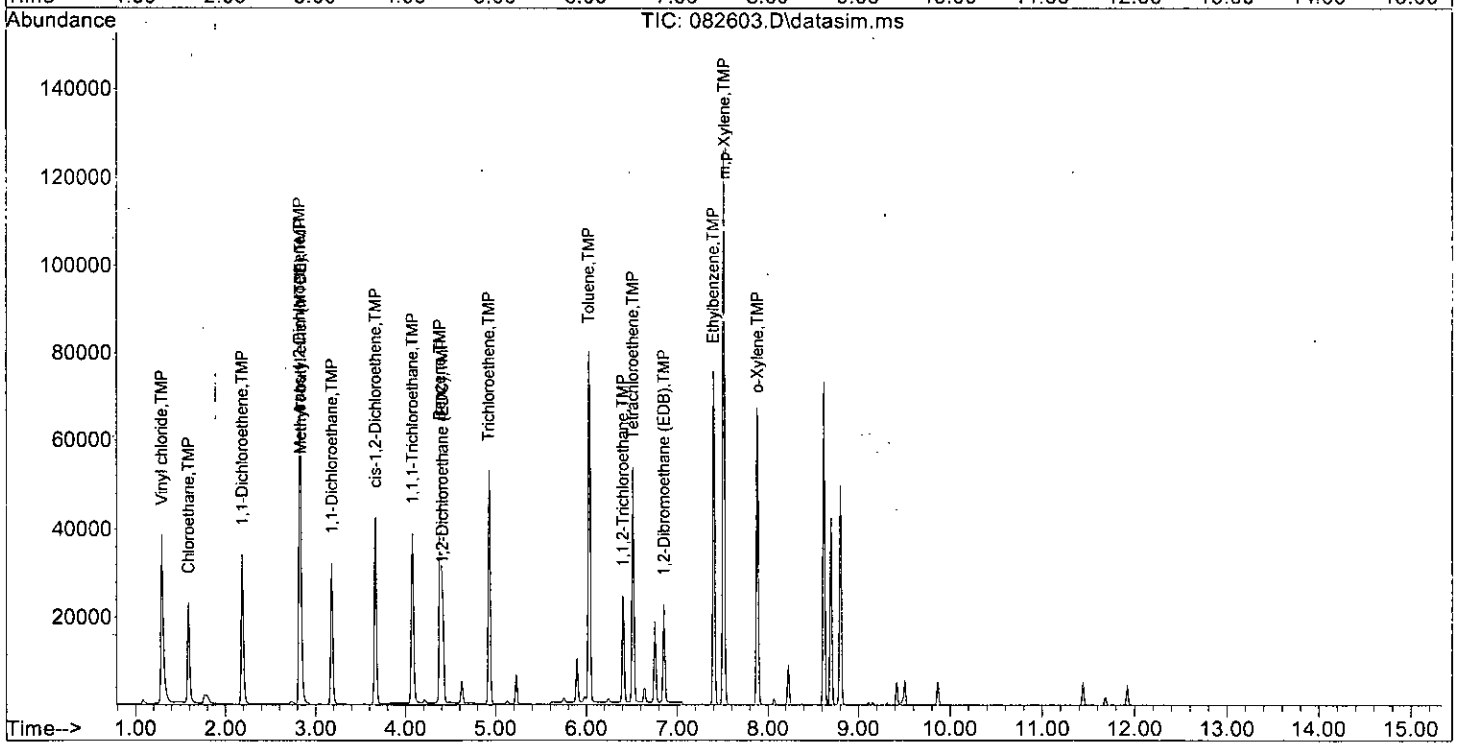
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082603.D
Acq On : 26 Aug 2022 08:44 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 09:45:00 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





EPA 8260D
Quality Assurance Data

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082604.D
Acq On : 26 Aug 2022 09:07 am
Operator : RF
Sample : 02-1950 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:23 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	71155	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	51780	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30350	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18283	8.873	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 88.70%			
30) 1,2-Dichloroethane-d4	4.36	102	3761	8.715	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 87.20%			
35) Toluene-d8	5.98	98	64873	8.818	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 88.20%			
57) 4-Bromofluorobenzene	8.38	95	24201	9.554	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 95.50%			
Target Compounds						Qvalue
2) Ethanol	1.94	45	149	No Calib		
4) Dichlorodifluoromethane	1.09	85	50538	9.331	ppb	97
5) Chloromethane	1.22	50	57687	9.011	ppb	96
6) Vinyl chloride	1.29	62	55262	9.514	ppb	96
7) Bromomethane	1.54	94	35653	9.660	ppb	92
8) Chloroethane	1.60	64	28308	9.705	ppb	91
9) Trichlorofluoromethane	1.77	101	64649	8.782	ppb	100
10) 2-Propanol	2.40	45	184	No Calib		
11) Acetone	2.26	58	7557	46.274	ppb	98
12) 1,1-Dichloroethene	2.19	96	17992	8.836	ppb	94
13) Hexane	3.05	57	28144	8.586	ppb	98
14) Methylene chloride	2.61	84	43784	8.431	ppb	92
15) t-Butyl alcohol (TBA)	2.73	59	10485	43.520	ppb	97
16) Methyl t-butyl ether (...	2.84	73	52755	8.889	ppb	98
17) trans-1,2-Dichloroethene	2.83	96	20160	9.340	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	59772	8.653	ppb	97
19) 1,1-Dichloroethane	3.18	63	36793	8.749	ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	22423	8.887	ppb	89
21) 2,2-Dichloropropane	3.67	77	22492	9.312	ppb	100
22) cis-1,2-Dichloroethene	3.67	96	21688	9.112	ppb	97
23) Chloroform	3.94	83	34618	8.830	ppb	100
24) 2-Butanone (MEK)	3.70	43	42055	46.351	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	48235	8.705	ppb	96
26) 1,2-Dichloroethane (EDC)	4.41	62	27738	9.440	ppb	97
27) 1,1,1-Trichloroethane	4.08	97	31811	8.782	ppb	96
28) 1,1-Dichloropropene	4.22	75	24973	9.102	ppb	98
29) Carbon tetrachloride	4.21	117	27132	9.208	ppb	98
31) Benzene	4.39	78	74707	9.453	ppb	94
32) Trichloroethene	4.93	95	21340	9.758	ppb	89
33) 1,2-Dichloropropane	5.13	63	19009	8.912	ppb	98
34) Bromodichloromethane	5.37	83	25266	9.462	ppb	98
36) Dibromomethane	5.23	93	11453	9.531	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	13754	42.664	ppb	97
38) cis-1,3-Dichloropropene	5.75	75	26807	9.113	ppb	97
40) Toluene	6.04	92	45345	10.872	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	23245	10.353	ppb	95

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082604.D
Acq On : 26 Aug 2022 09:07 am
Operator : RF
Sample : 02-1950 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:23 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

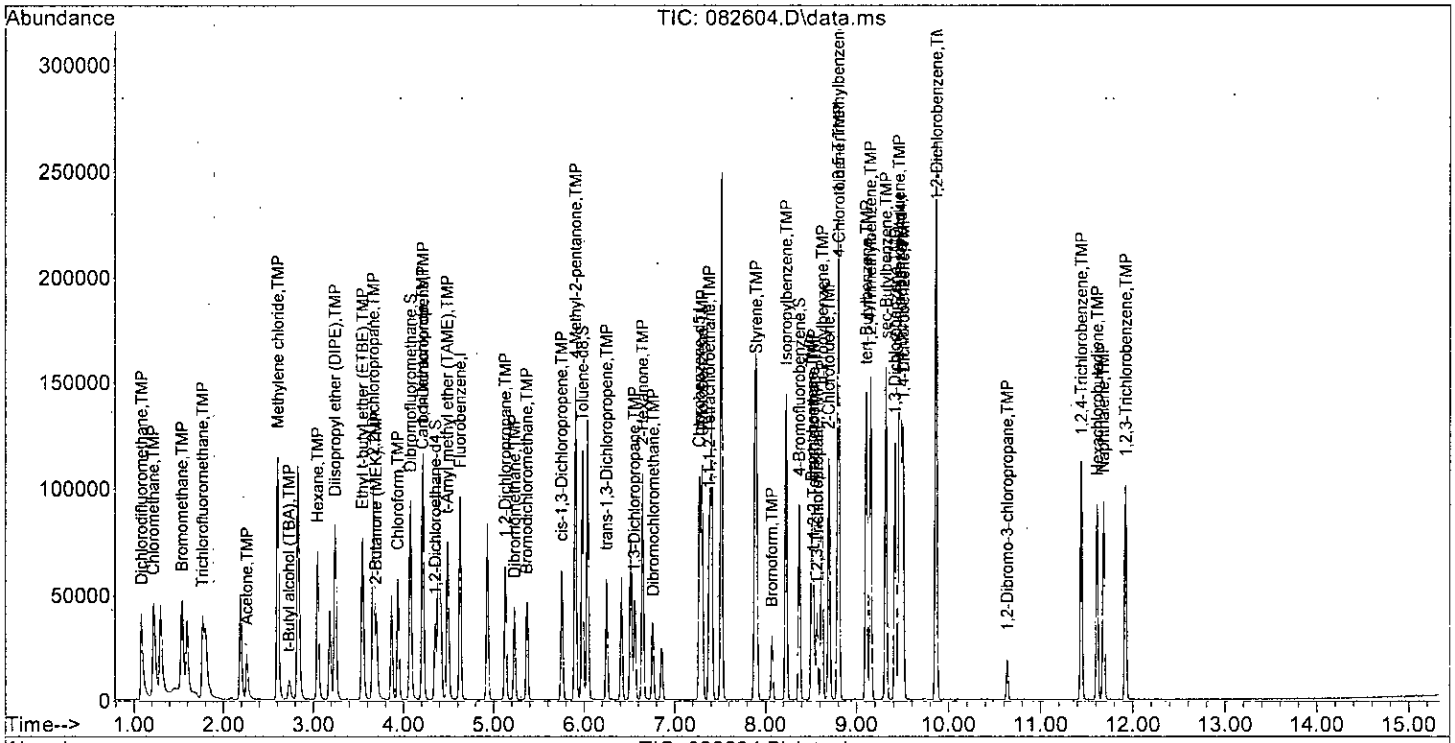
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	12793	10.123	ppb	97
43) 2-Hexanone	6.64	43	57435	48.201	ppb	98
44) 1,3-Dichloropropane	6.55	76	23172	10.018	ppb	99
45] Tetrachloroethene	6.51	164	18574	10.672	ppb	99
46) Dibromochloromethane	6.76	129	18227	10.250	ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	16412	10.536	ppb	99
48) Chlorobenzene	7.30	112	49501	10.012	ppb	98
49] Ethylbenzene	7.40	91	82377	10.076	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	19254	10.532	ppb	97
51] m,p-Xylene	7.52	106	63823	20.073	ppb	98
52] o-Xylene	7.88	106	32566	10.301	ppb	97
53) Styrene	7.90	104	49614	9.401	ppb	99
54) Isopropylbenzene	8.23	105	84337	10.197	ppb	96
55) Bromoform	8.07	173	12194	10.485	ppb	98
58) n-Propylbenzene	8.63	91	93569	9.718	ppb	96
59) Bromobenzene	8.52	156	23257	9.628	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	70078	9.841	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	19802	10.002	ppb	90
62) 1,2,3-Trichloropropane	8.57	75	13623	9.217	ppb	97
63) 2-Chlorotoluene	8.70	91	56614	9.701	ppb	98
64) 4-Chlorotoluene	8.81	91	64311	9.676	ppb	97
65) tert-Butylbenzene	9.11	119	64103	10.249	ppb	94
66) 1,2,4-Trimethylbenzene	9.15	105	72134	9.862	ppb	97
67) sec-Butylbenzene	9.32	105	93615	10.152	ppb	97
68) p-Isopropyltoluene	9.46	119	80889	10.152	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	44418	9.806	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	45067	9.866	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	43927	9.864	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	3770	10.542	ppb	95
73) 1,2,4-Trichlorobenzene	11.44	180	33804	10.182	ppb	98
74) Hexachlorobutadiene	11.61	225	19135	10.115	ppb	93
75) Naphthalene	11.68	128	65773	10.139	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	31121	10.434	ppb	100

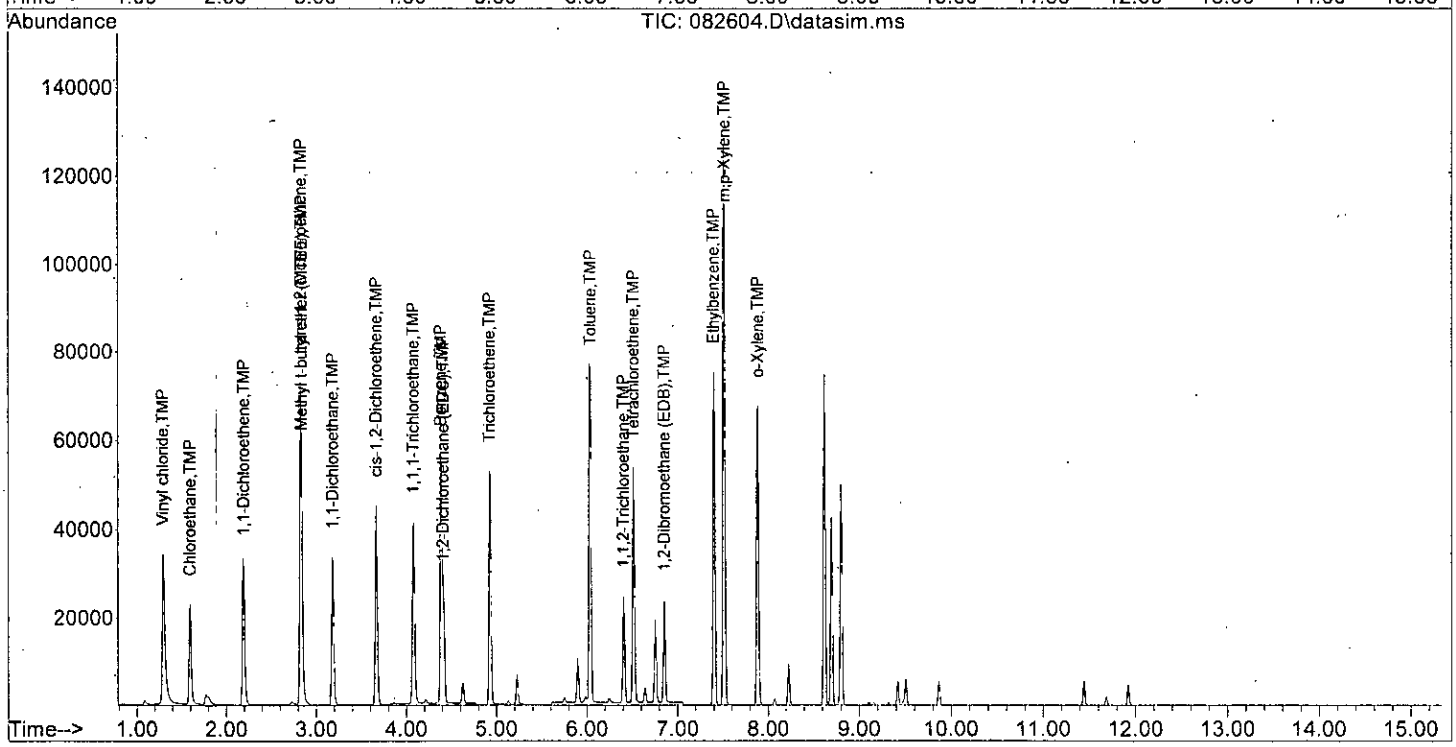
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082604.D
Acq On : 26 Aug 2022 09:07 am
Operator : RF
Sample : 02-1950 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:23 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082605.D
Acq On : 26 Aug 2022 09:29 am
Operator : RF
Sample : 02-1950 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:25 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	66060	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	52713	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31106	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18927	9.894 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.90%		
30) 1,2-Dichloroethane-d4	4.36	102	4321	10.785 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 107.80%		
35) Toluene-d8	5.98	98	63974	9.367 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 93.70%		
57) 4-Bromofluorobenzene	8.38	95	24472	9.426 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 94.30%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	51318	10.206 ppb	95
5) Chloromethane	1.23	50	58231	9.798 ppb	99
6] Vinyl chloride	1.31	62	54665	10.137 ppb	98
7) Bromomethane	1.56	94	35606	10.391 ppb	98
8] Chloroethane	1.61	64	28377	10.479 ppb	98
9) Trichlorofluoromethane	1.78	101	63014	9.220 ppb	97
10) 2-Propanol	2.40	45	107	No Calib	
11) Acetone	2.27	58	6946	45.799 ppb	90
12] 1,1-Dichloroethene	2.20	96	17730	9.379 ppb	92
13) Hexane	3.06	57	27665	9.091 ppb	97
14) Methylene chloride	2.61	84	45347	10.825 ppb	90
15) t-Butyl alcohol (TBA)	2.74	59	10160	45.424 ppb	91
16] Methyl t-butyl ether (...	2.85	73	51715	9.386 ppb	100
17] trans-1,2-Dichloroethene	2.84	96	19942	9.952 ppb	97
18) Diisopropyl ether (DIPE)	3.25	45	59821	9.328 ppb	97
19] 1,1-Dichloroethane	3.19	63	36250	9.284 ppb	100
20) Ethyl t-butyl ether (E...	3.56	87	22311	9.524 ppb	96
21) 2,2-Dichloropropane	3.67	77	21759	9.707 ppb	98
22] cis-1,2-Dichloroethene	3.68	96	22345	10.113 ppb	95
23) Chloroform	3.95	83	33444	9.188 ppb	96
24) 2-Butanone (MEK)	3.71	43	37559	44.578 ppb	99
25) t-Amyl methyl ether (T...	4.50	73	49126	9.550 ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	27389	10.041 ppb	99
27] 1,1,1-Trichloroethane	4.09	97	31490	9.364 ppb	92
28) 1,1-Dichloropropene	4.23	75	24960	9.799 ppb	100
29) Carbon tetrachloride	4.22	117	26279	9.606 ppb	93
31] Benzene	4.39	78	73920	10.076 ppb	99
32] Trichloroethene	4.94	95	21049	10.368 ppb	100
33) 1,2-Dichloropropane	5.14	63	18365	9.275 ppb	97
34) Bromodichloromethane	5.37	83	24318	9.809 ppb	95
36) Dibromomethane	5.23	93	11474	10.285 ppb	93
37) 4-Methyl-2-pentanone	5.91	85	13507	45.129 ppb	99
38) cis-1,3-Dichloropropene	5.76	75	26445	9.683 ppb	95
40] Toluene	6.04	92	44819	10.552 ppb	93
41) trans-1,3-Dichloropropene	6.25	75	22588	9.883 ppb	99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082605.D
Acq On : 26 Aug 2022 09:29 am
Operator : RF
Sample : 02-1950 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

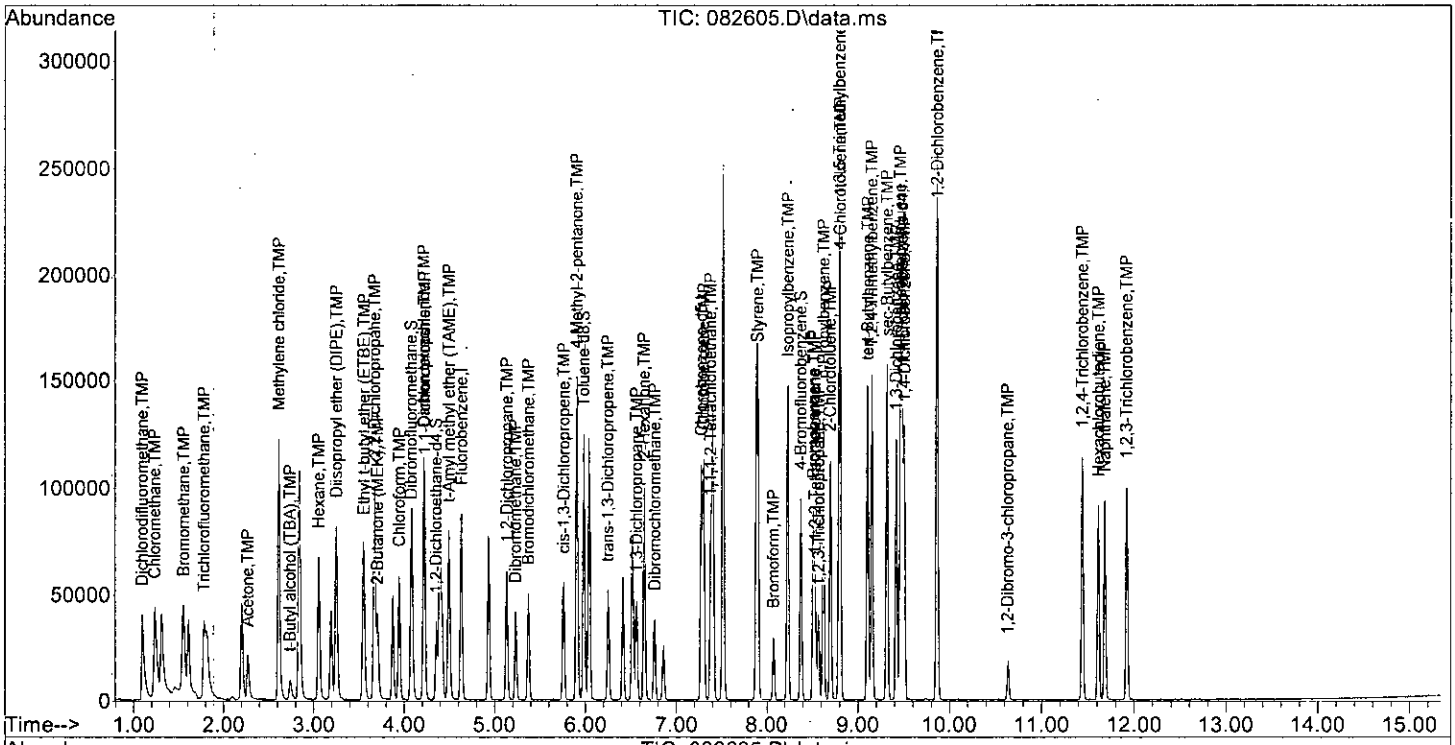
Quant Time: Aug 26 17:31:25 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

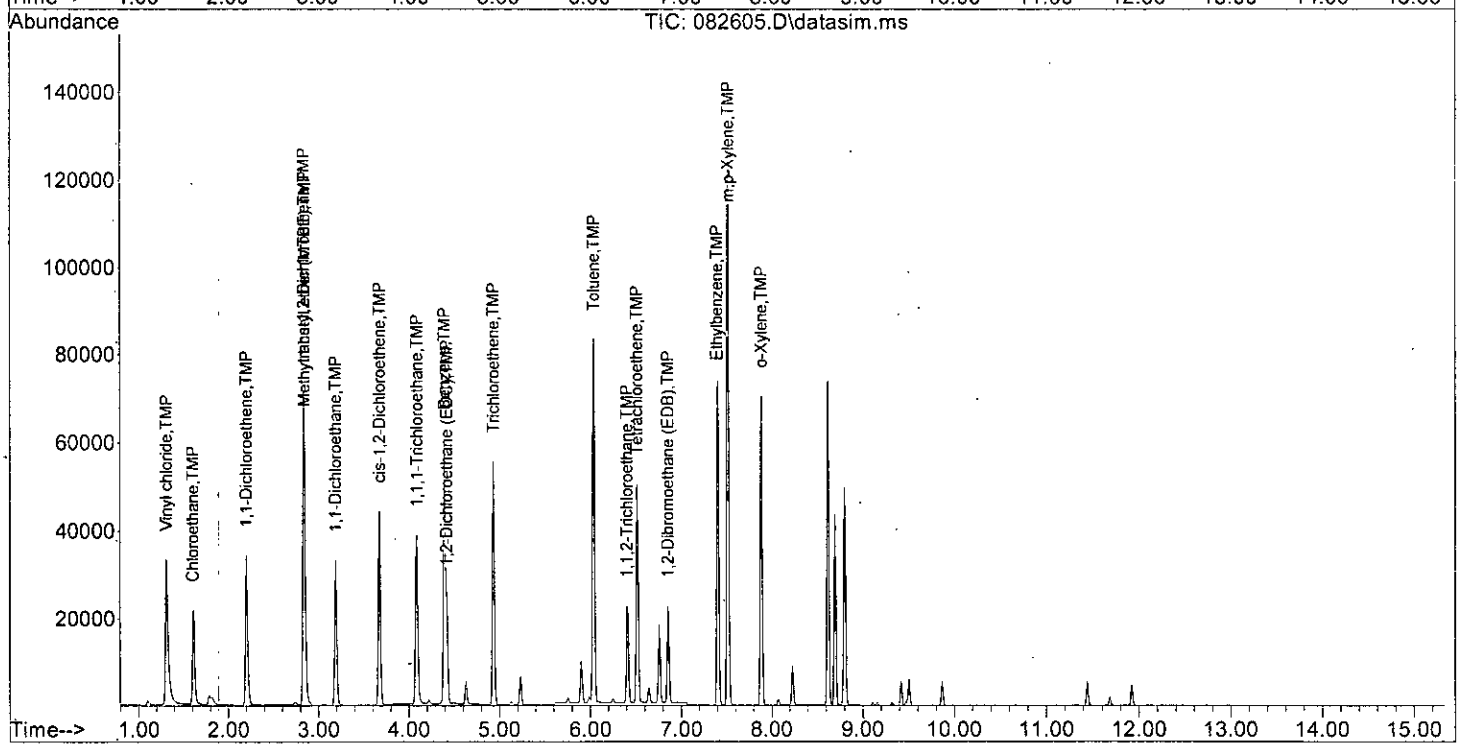
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42]	1,1,2-Trichloroethane	6.40	83	12726	9.892	ppb	93
43)	2-Hexanone	6.64	43	56251	46.371	ppb	99
44)	1,3-Dichloropropane	6.57	76	21798	9.257	ppb	95
45]	Tetrachloroethene	6.51	164	18309	10.332	ppb	97
46)	Dibromochloromethane	6.76	129	18242	10.076	ppb	98
47]	1,2-Dibromoethane (EDB)	6.85	107	15599	9.836	ppb	98
48)	Chlorobenzene	7.30	112	49954	9.925	ppb	98
49]	Ethylbenzene	7.40	91	81931	9.843	ppb	99
50)	1,1,1,2-Tetrachloroethane	7.38	131	18942	10.178	ppb	98
51]	m,p-Xylene	7.52	106	63309	19.557	ppb	98
52]	o-Xylene	7.88	106	32245	10.018	ppb	99
53)	Styrene	7.90	104	50388	9.379	ppb	97
54)	Isopropylbenzene	8.23	105	83969	9.973	ppb	97
55)	Bromoform	8.07	173	12249	10.348	ppb	97
58)	n-Propylbenzene	8.63	91	92038	9.327	ppb	95
59)	Bromobenzene	8.52	156	23219	9.378	ppb	98
60)	1,3,5-Trimethylbenzene	8.80	105	68696	9.412	ppb	96
61)	1,1,2,2-Tetrachloroethane	8.53	83	19411	9.566	ppb	94
62)	1,2,3-Trichloropropane	8.57	75	13413	8.854	ppb	97
63)	2-Chlorotoluene	8.70	91	55970	9.357	ppb	99
64)	4-Chlorotoluene	8.81	91	63732	9.356	ppb	100
65)	tert-Butylbenzene	9.11	119	65438	10.208	ppb	99
66)	1,2,4-Trimethylbenzene	9.15	105	71009	9.473	ppb	97
67)	sec-Butylbenzene	9.32	105	92166	9.751	ppb	99
68)	p-Isopropyltoluene	9.46	119	79611	9.749	ppb	100
69)	1,3-Dichlorobenzene	9.42	146	44384	9.560	ppb	98
70)	1,4-Dichlorobenzene	9.51	146	44327	9.468	ppb	98
71)	1,2-Dichlorobenzene	9.86	146	43588	9.550	ppb	98
72)	1,2-Dibromo-3-chloropr...	10.63	75	3791	10.343	ppb	99
73)	1,2,4-Trichlorobenzene	11.44	180	33223	9.763	ppb	95
74)	Hexachlorobutadiene	11.61	225	18942	9.769	ppb	96
75)	Naphthalene	11.68	128	64941	9.767	ppb	98
76)	1,2,3-Trichlorobenzene	11.92	180	29719	9.722	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082605.D
Acq On : 26 Aug 2022 09:29 am
Operator : RF
Sample : 02-1950 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:25 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082607.D
Acq On : 26 Aug 2022 10:14 am
Operator : RF
Sample : 02-1950 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:34:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

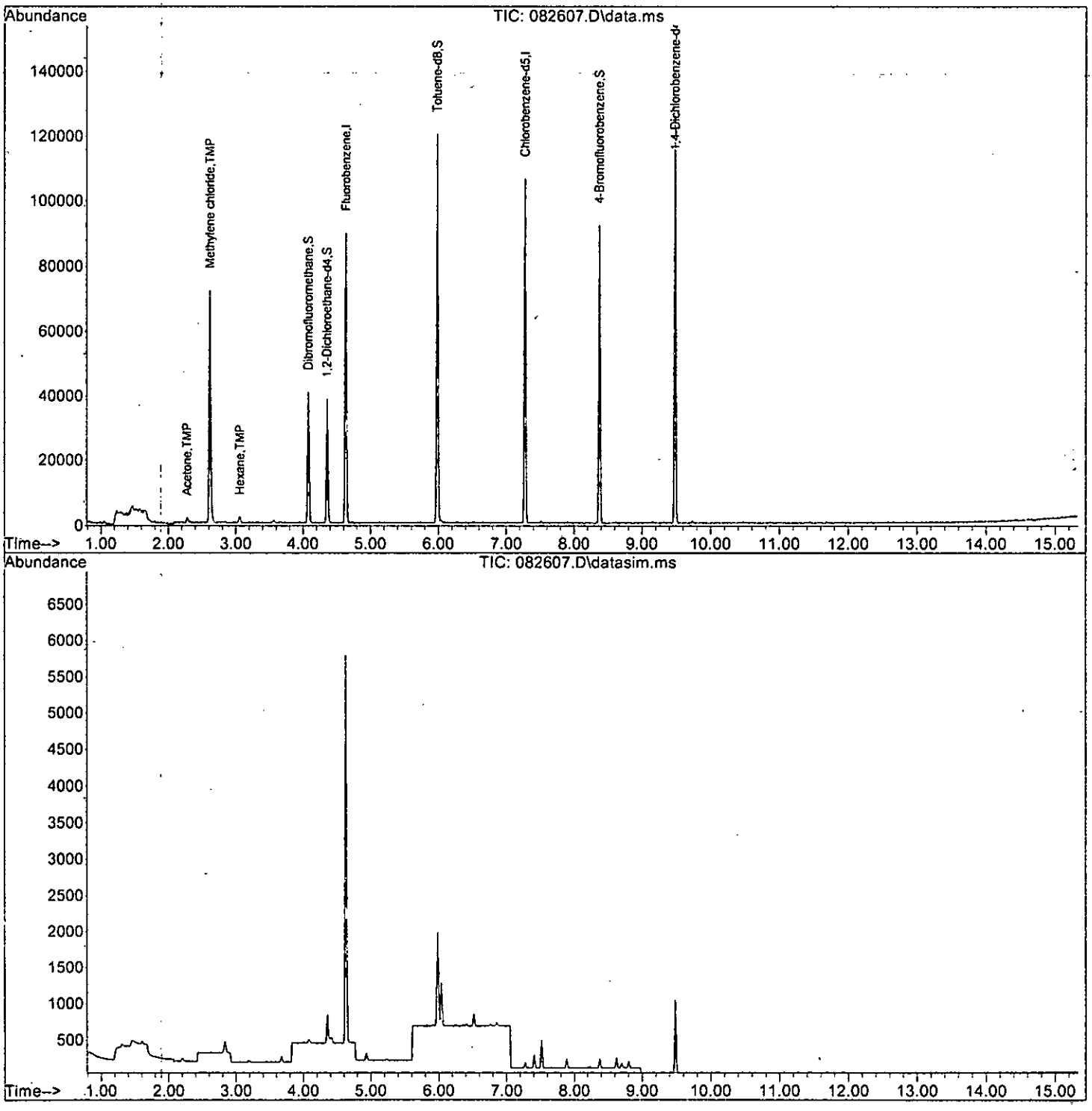
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	66901	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	51570	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30662	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	19320	9.973	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.70%			
30) 1,2-Dichloroethane-d4	4.36	102	4062	10.011	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.10%			
35) Toluene-d8	5.98	98	63592	9.194	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 91.90%			
57) 4-Bromofluorobenzene	8.38	95	24034	9.392	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 93.90%			
Target Compounds						Qvalue
11) Acetone	2.28	58	377	1.033	ppb #	34
13) Hexane	3.06	57	814	0.264	ppb	98
14) Methylene chloride	2.61	84	25882	0.753	ppb	93
24) 2-Butanone (MEK)	3.73	43	159	Below Cal		59
40) Toluene	6.04	92	313	Below Cal		95
49) Ethylbenzene	7.41	91	193	Below Cal		89
51) m,p-Xylene	7.52	106	189	Below Cal		99
52) o-Xylene	7.88	106	57	Below Cal		99

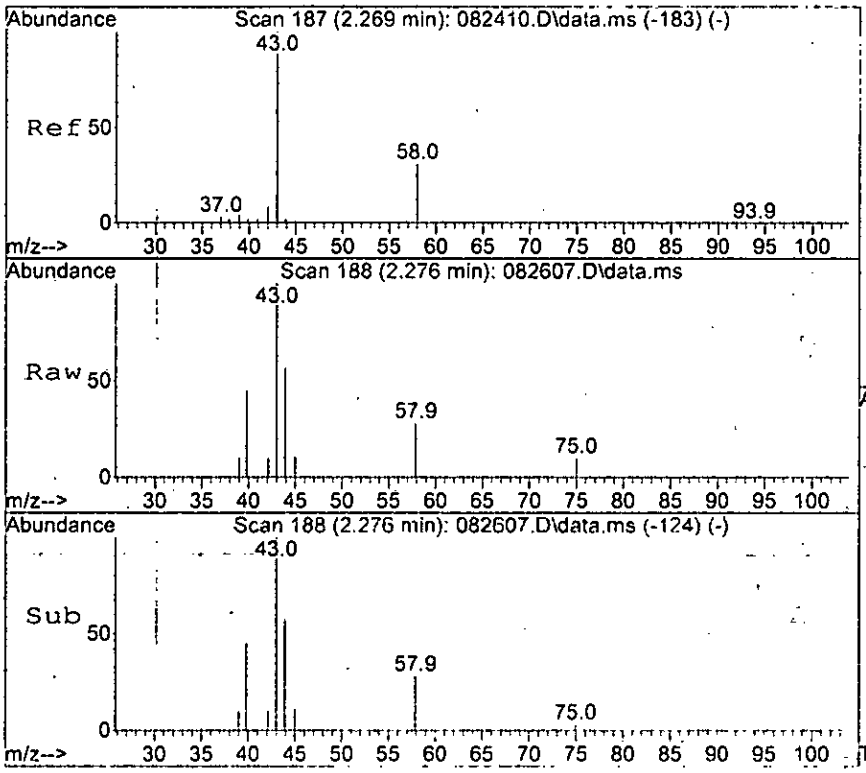
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082607.D
Acq On : 26 Aug 2022 10:14 am
Operator : RF
Sample : 02-1950 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:34:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

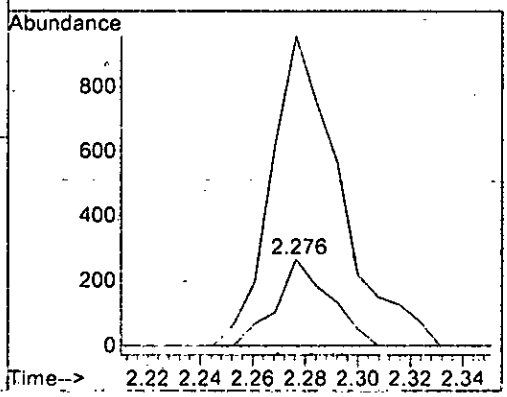


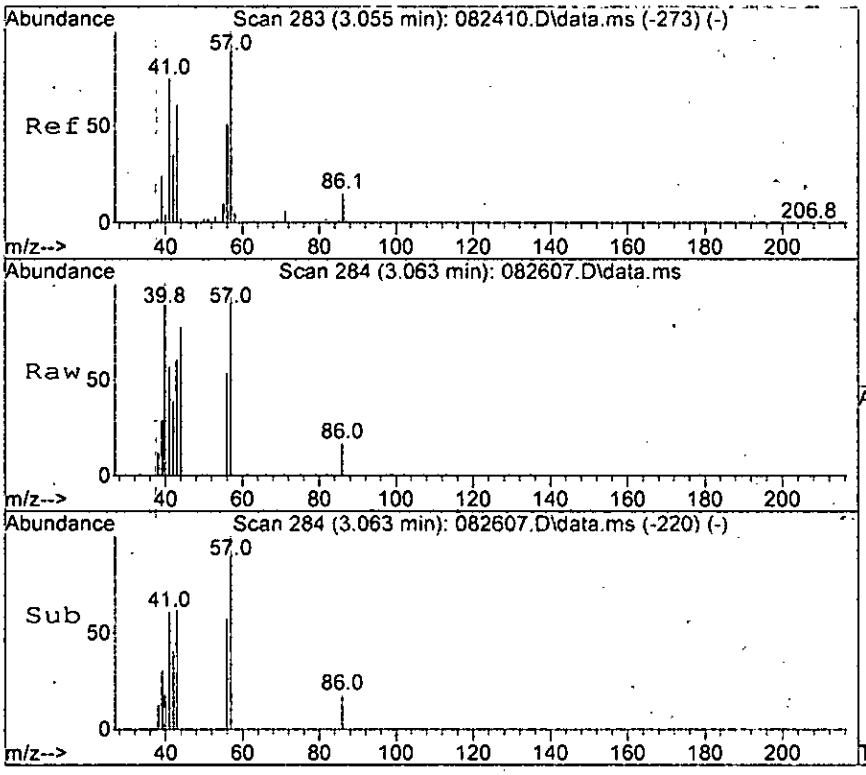


#11
Acetone
Concen: 1.033 ppb
RT: 2.28 min Scan# 188
Delta R.T. 0.015 min
Lab File: 082607.D
Acq: 26 Aug 2022 10:14 am

Tgt Ion: 58 Resp: 377

Ion	Ratio	Lower	Upper
58	100		
43	465.3	298.5	358.5#

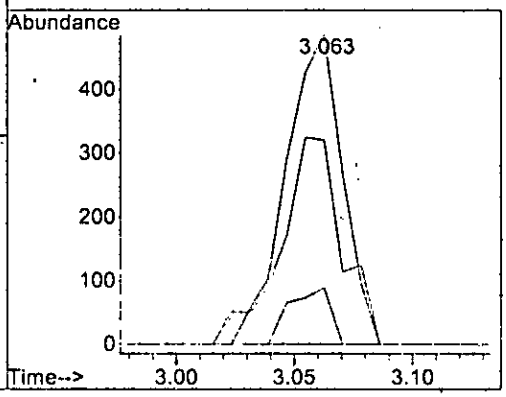


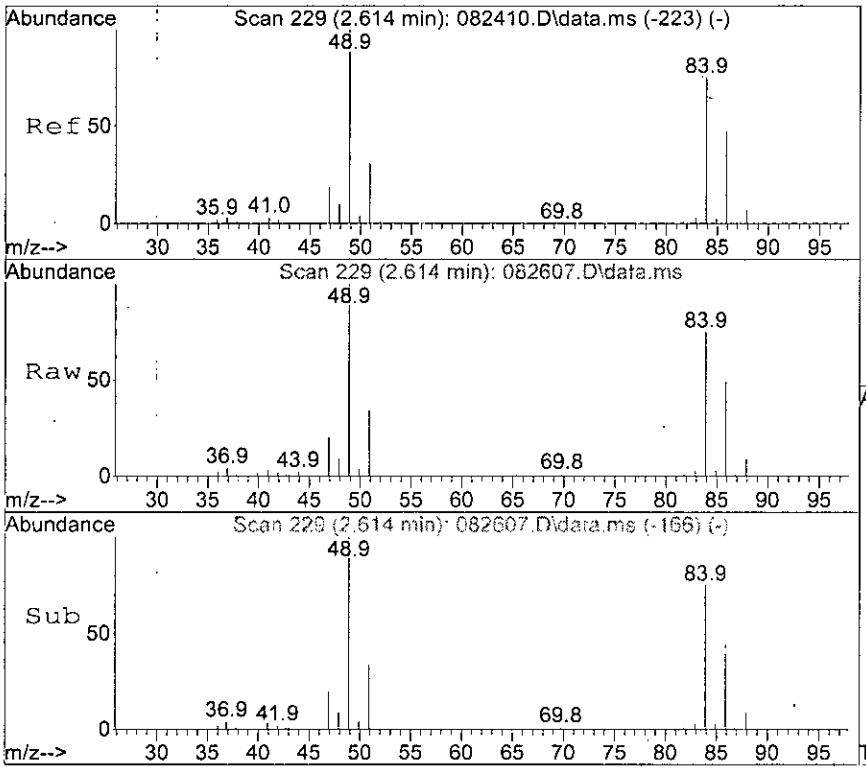


#13
Hexane
Concen: 0.264 ppb
RT: 3.06 min Scan# 284
Delta R.T. 0.016 min
Lab File: 082607.D
Acq: 26 Aug 2022 10:14 am

Tgt Ion: 57 Resp: 814

Ion	Ratio	Lower	Upper
57	100		
43	65.7	35.4	95.4
86	18.3	0.0	45.4

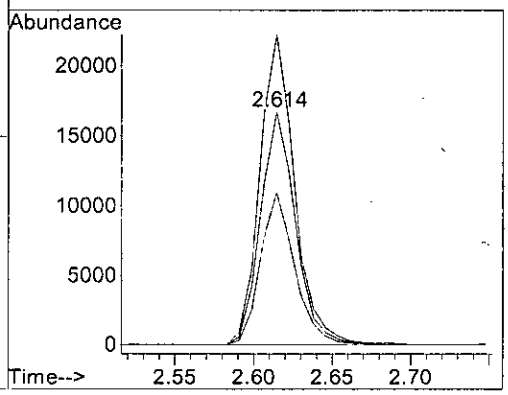


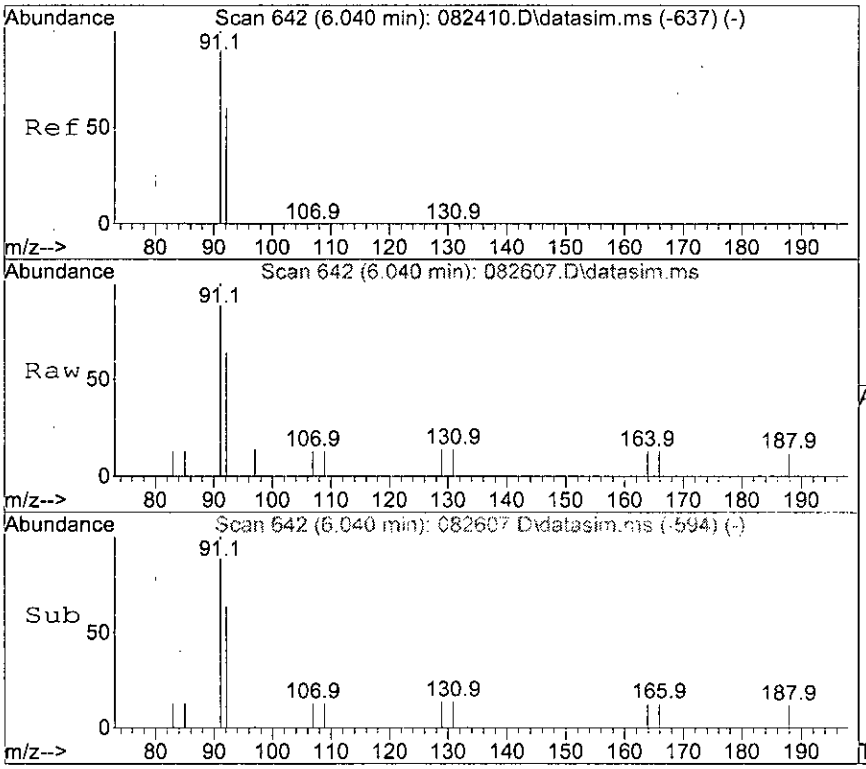


#14
Methylene chloride
Concen: 0.753 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.007 min
Lab File: 082607.D
Acq: 26 Aug 2022 10:14 am

Tgt Ion: 84 Resp: 25882

Ion	Ratio	Lower	Upper
84	100		
86	65.6	38.7	98.7
49	133.3	114.1	174.1

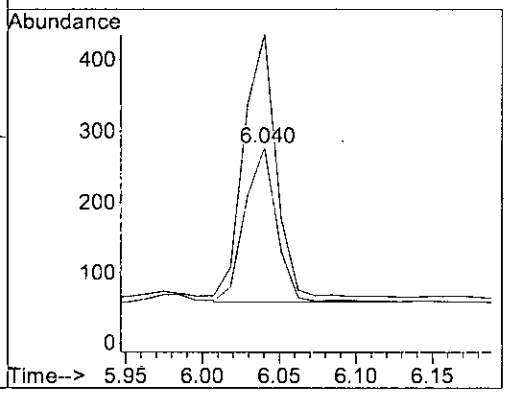


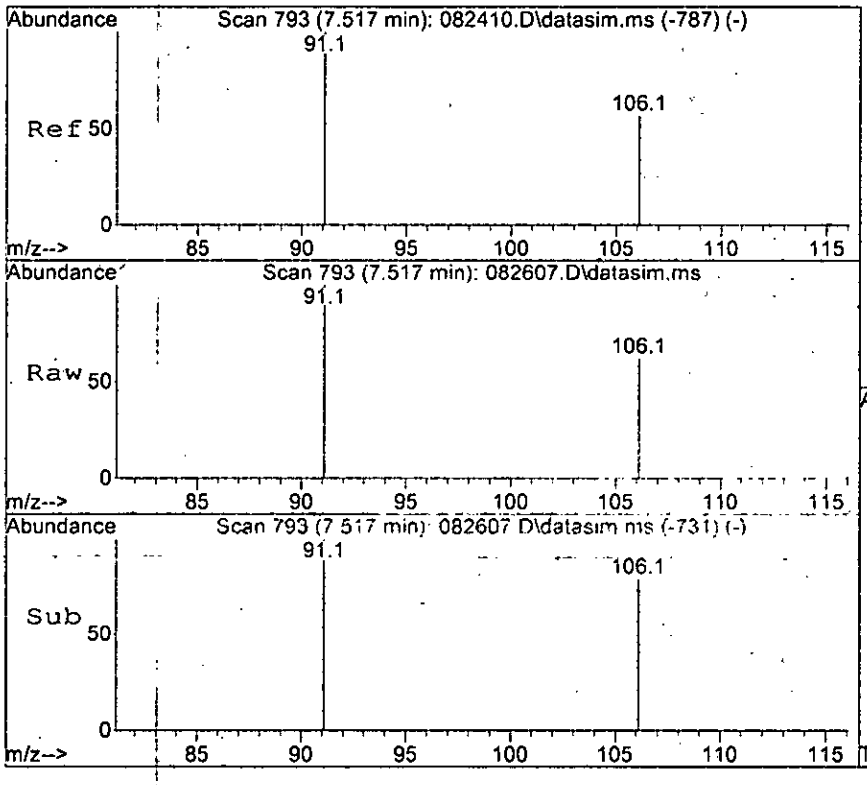


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. -0.000 min
Lab File: 082607.D
Acq: 26 Aug 2022 10:14 am

Tgt Ion: 92 Resp: 313

Ion	Ratio	Lower	Upper
92	100		
91	169.7	147.4	207.4

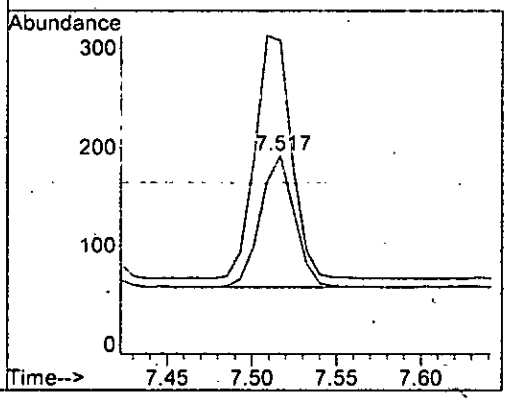




#51
m,p-Xylene
Concen: Below Cal
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 082607.D
Acq: 26 Aug 2022 10:14 am

Tgt Ion:106 Resp: 189

Ion	Ratio	Lower	Upper
106	100		
91	179.9	148.7	208.7



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082607.D
Acq On : 26 Aug 2022 10:14 am
Operator : RF
Sample : 02-1950 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:34:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	66901	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	51570	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30662	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	19320	9.973	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.70%				
30) 1,2-Dichloroethane-d4	4.36	102	4062	10.011	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.10%				
35) Toluene-d8	5.98	98	63592	9.194	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 91.90%				
57) 4-Bromofluorobenzene	8.38	95	24034	9.392	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 93.90%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	2392	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.28	58	377	1.033	ppb	#	34
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.06	57	814	0.264	ppb		98
14) Methylene chloride	2.61	84	25882	0.753	ppb		93
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	2.84	96	40	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	3.95	83	151	N.D.			
24) 2-Butanone (MEK)	3.73	43	159	Below Cal			59
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.42	62	86	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.39	78	88	N.D.			
32) Trichloroethene	0.00		0	N.D.			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	0.00		0	N.D.			
40) Toluene	6.04	92	313	Below Cal			95
41) trans-1,3-Dichloropropene	0.00		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082607.D
Acq On : 26 Aug 2022 10:14 am
Operator : RF
Sample : 02-1950 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:34:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

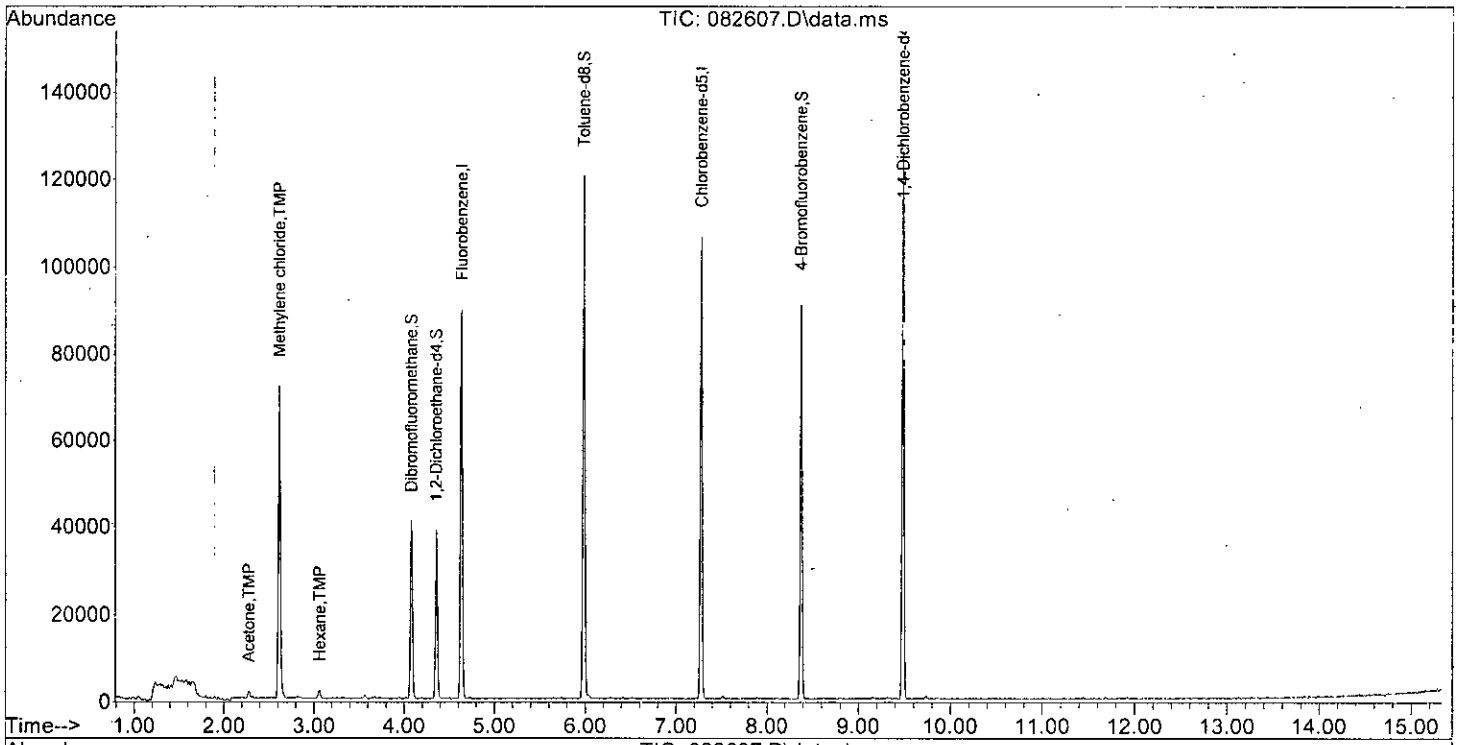
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	0.00		0	N.D. d	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45) Tetrachloroethene	6.51	164	67	N.D.	
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.41	91	193	Below Cal	89
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51) m,p-Xylene	7.52	106	189	Below Cal	99
52) o-Xylene	7.88	106	57	Below Cal	99
53) Styrene	7.91	104	98	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.63	91	209	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.80	105	98	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.70	91	74	N.D.	
64) 4-Chlorotoluene	8.81	91	101	N.D.	
65) tert-Butylbenzene	9.11	119	63	N.D.	
66) 1,2,4-Trimethylbenzene	9.16	105	329	N.D.	
67) sec-Butylbenzene	9.32	105	176	N.D.	
68) p-Isopropyltoluene	9.47	119	122	N.D.	
69) 1,3-Dichlorobenzene	9.42	146	63	N.D.	
70) 1,4-Dichlorobenzene	9.50	146	111	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.44	180	108	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D. d	
76) 1,2,3-Trichlorobenzene	11.92	180	95	N.D.	

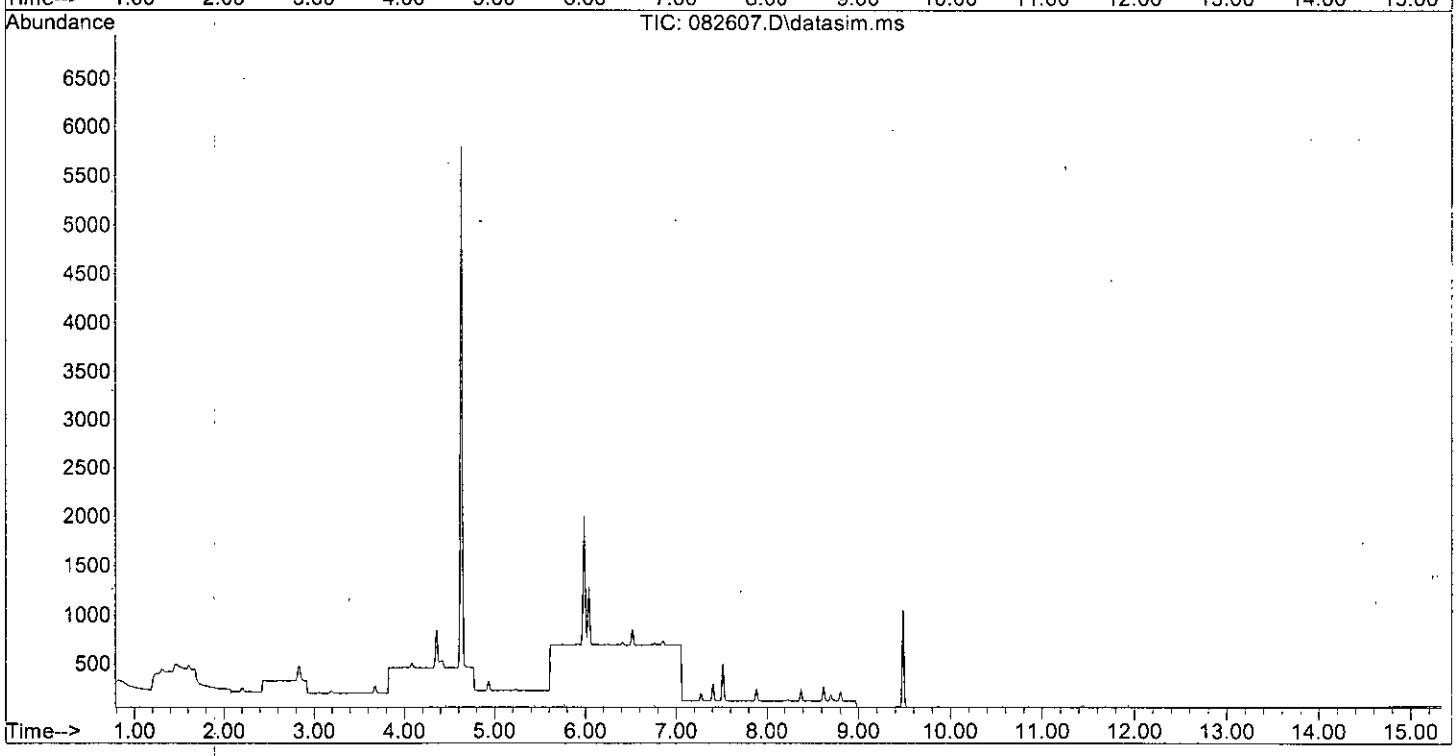
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082607.D
Acq On : 26 Aug 2022 10:14 am
Operator : RF
Sample : 02-1950 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:34:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

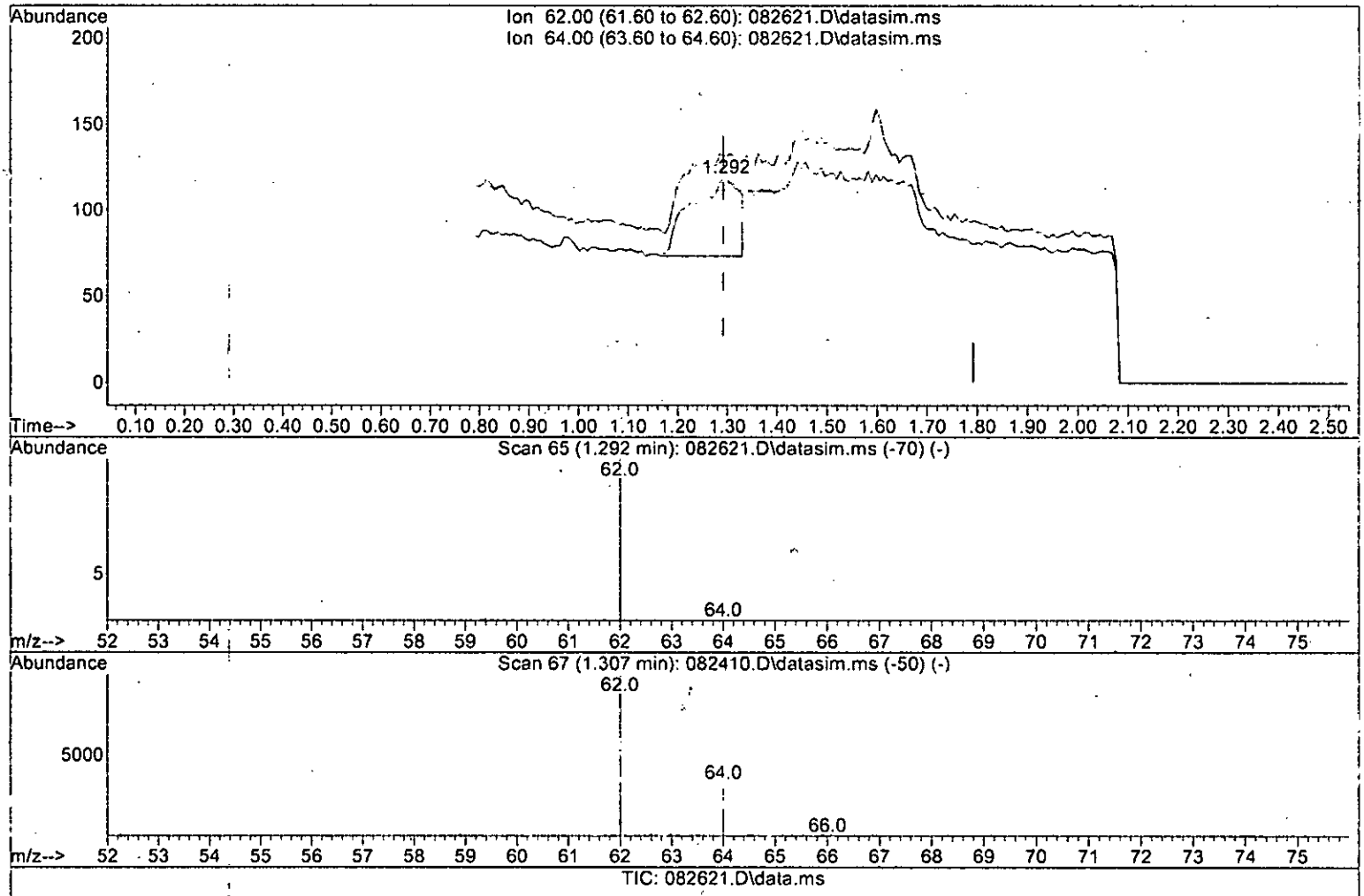




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:53 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082621.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.061 ppb

response 310

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	95.65#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

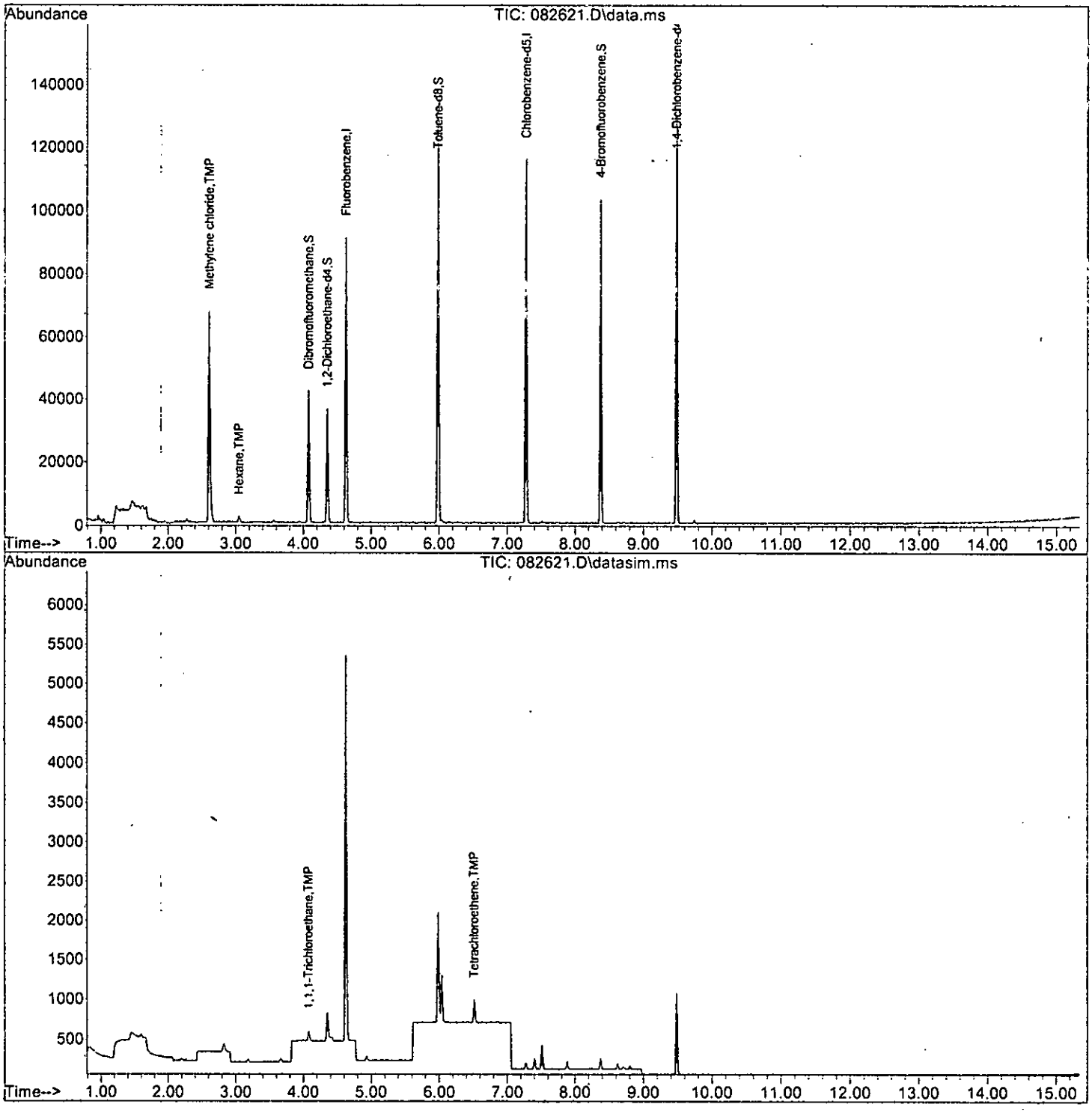
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	62679	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	57881	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31939	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18812	10.365 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.60%		
30) 1,2-Dichloroethane-d4	4.36	102	3691	9.709 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.10%		
35) Toluene-d8	5.98	98	68919	10.635 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 106.30%		
57) 4-Bromofluorobenzene	8.38	95	26944	10.108 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.10%		
Target Compounds					Qvalue
13) Hexane	3.05	57	840	0.291 ppb	94
14) Methylene chloride	2.61	84	25769	1.567 ppb	94
21) 2,2-Dichloropropane	3.69	77	64	Below Cal	48
24) 2-Butanone (MEK)	3.72	43	112	Below Cal	59
26] 1,2-Dichloroethane (EDC)	4.42	62	62	Below Cal	90
27] 1,1,1-Trichloroethane	4.08	97	84	0.026 ppb	96
31] Benzene	4.39	78	53	Below Cal	73
40] Toluene	6.04	92	333	Below Cal	93
45] Tetrachloroethene	6.51	164	106	0.019 ppb	90
49] Ethylbenzene	7.41	91	139	Below Cal	87
51] m,p-Xylene	7.52	106	159	Below Cal	96

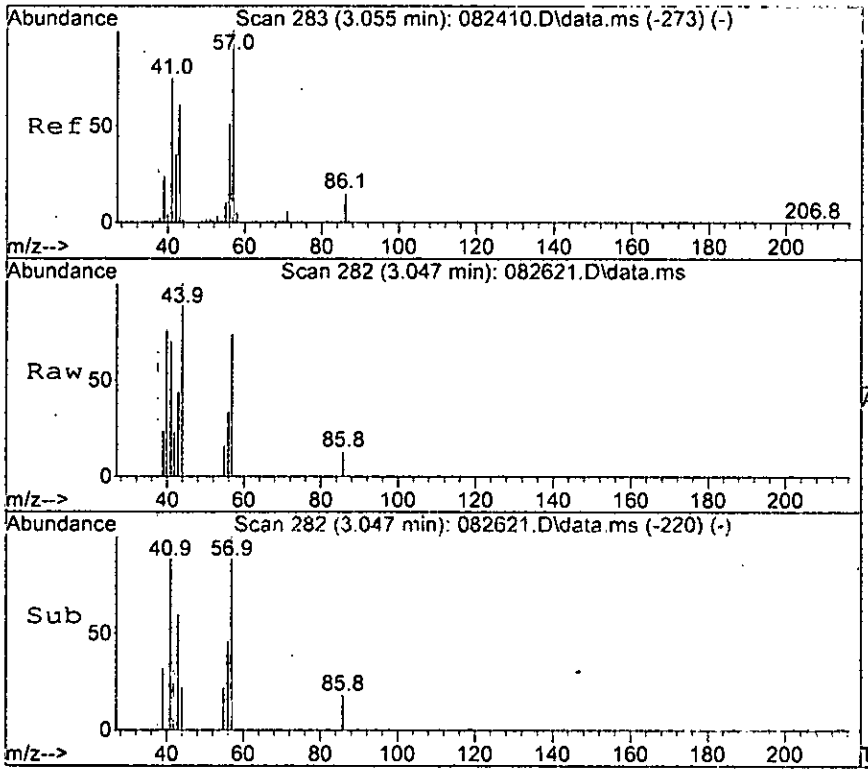
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

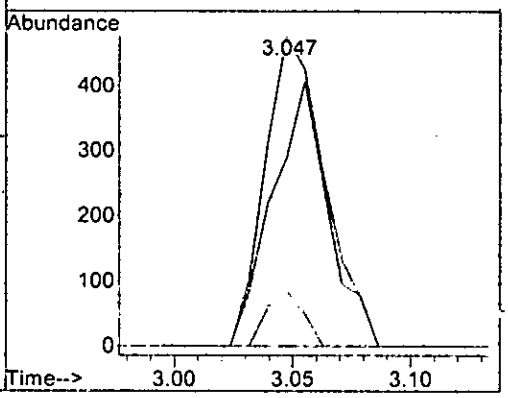


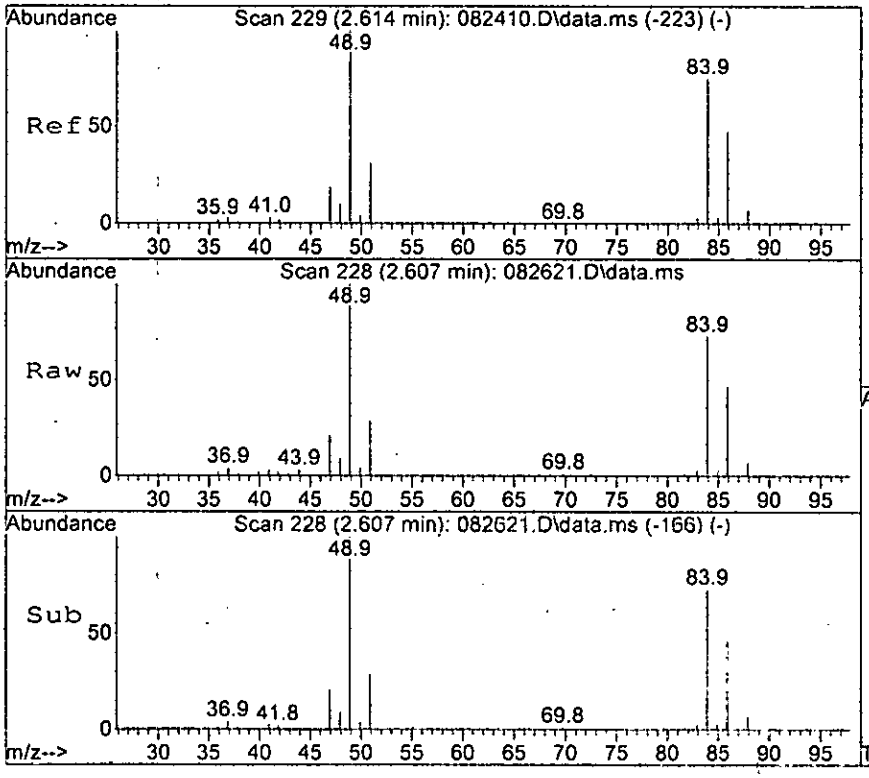


#13
Hexane
Concen: 0.291 ppb
RT: 3.05 min Scan# 282
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 57 Resp: 840

Ion	Ratio	Lower	Upper
57	100		
43	60.2	35.4	95.4
86	17.8	0.0	45.4

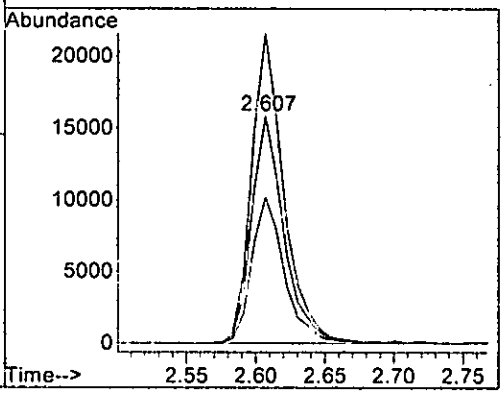


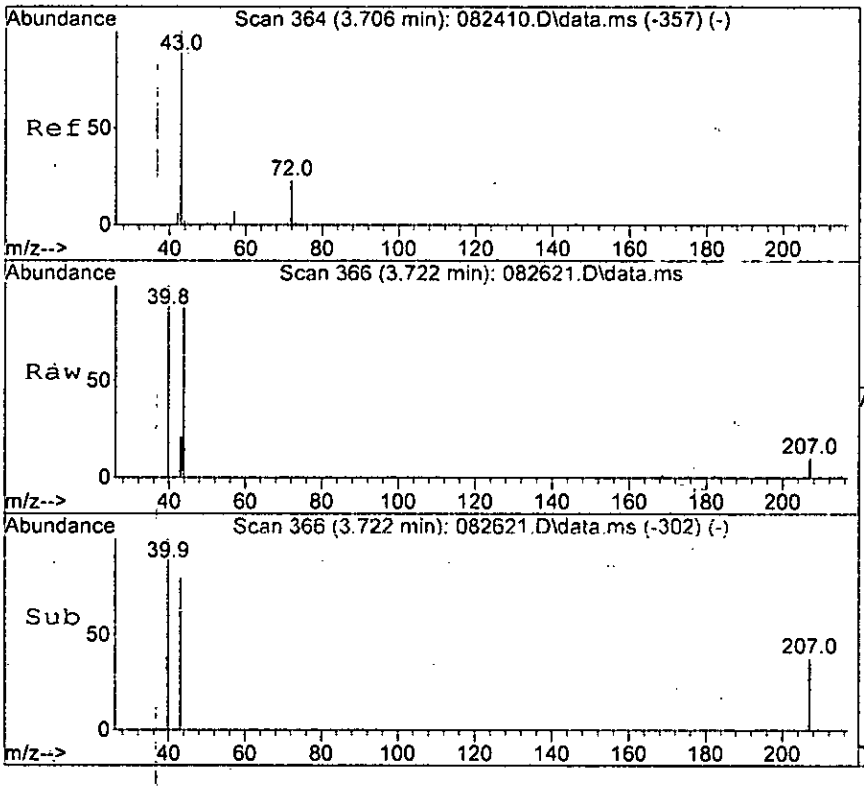


#14
Methylene chloride
Concen: 1.567 ppb
RT: 2.61 min Scan# 228
Delta R.T. -0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 84 Resp: 25769

Ion	Ratio	Lower	Upper
84	100		
86	64.5	38.7	98.7
49	136.8	114.1	174.1

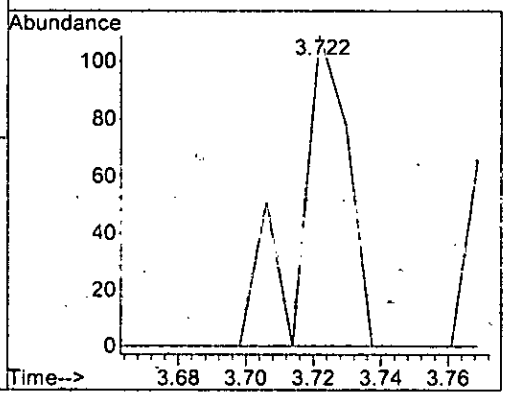


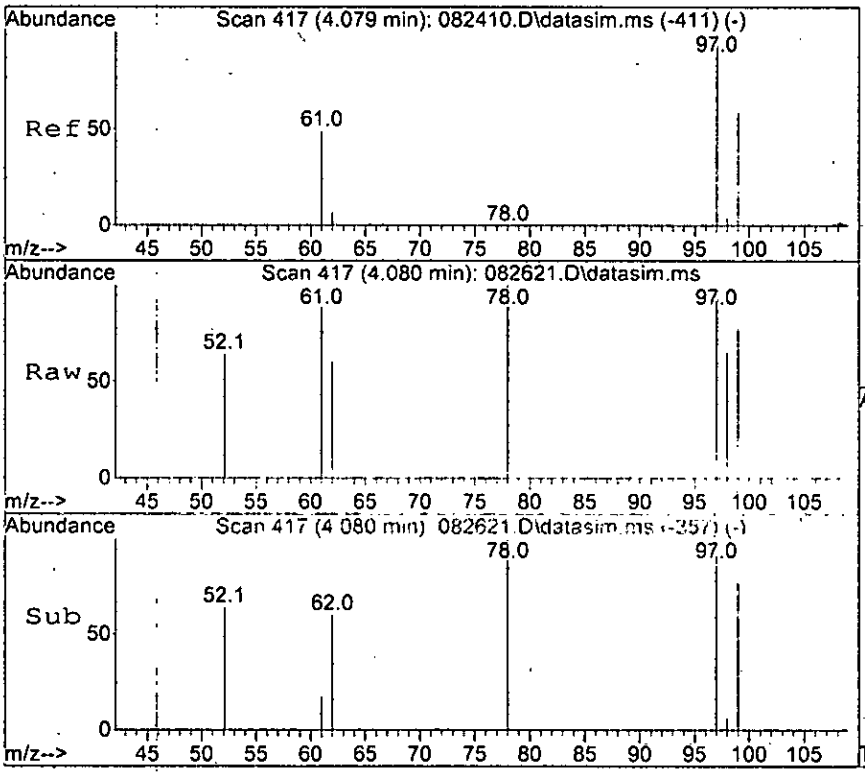


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.72 min Scan# 366
Delta R.T. 0.016 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 43 Resp: 112

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

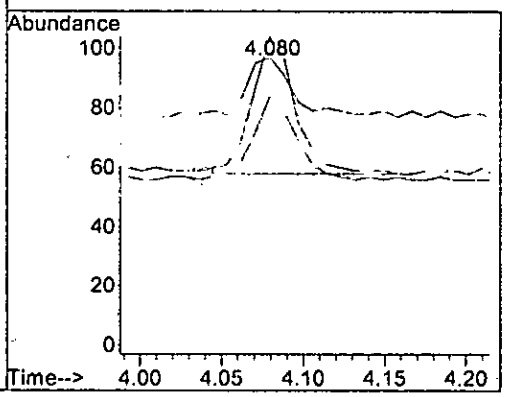


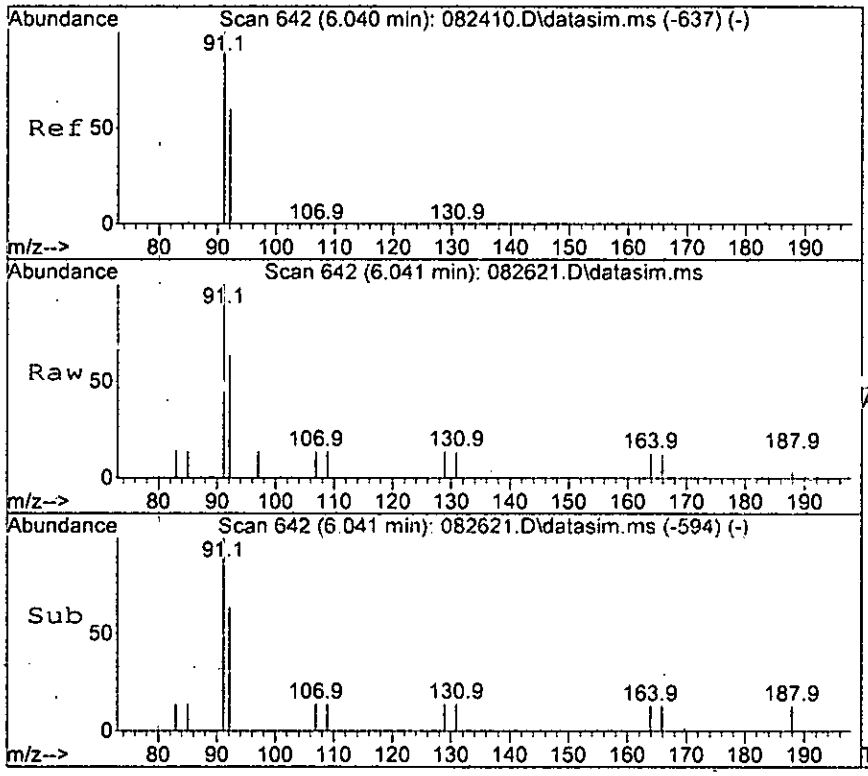


#27
1,1,1-Trichloroethane
Concen: 0.026 ppb
RT: 4.08 min Scan# 417
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 97 Resp: 84

Ion	Ratio	Lower	Upper
97	100		
99	58.7	31.7	91.7
61	43.5	16.8	76.8

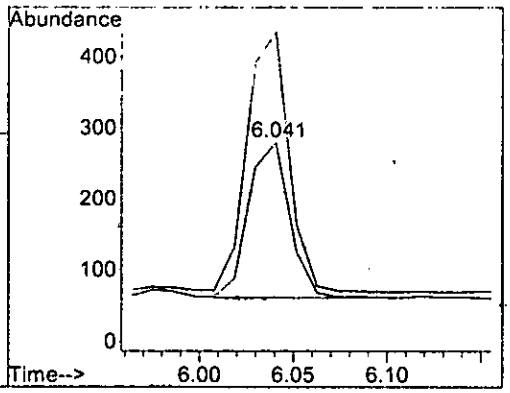


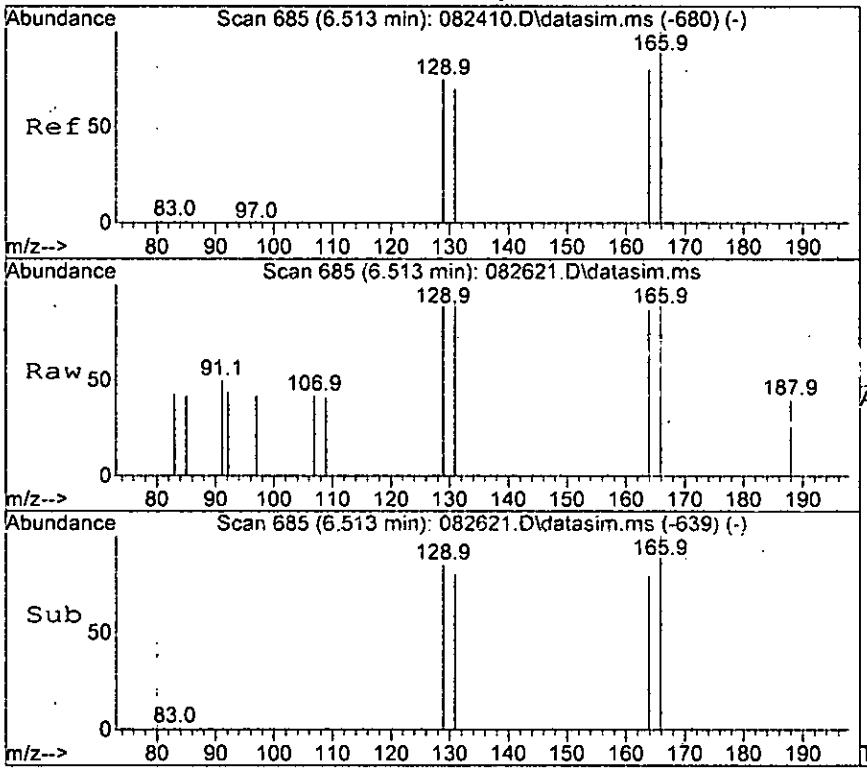


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 92 Resp: 333

Ion	Ratio	Lower	Upper
92	100		
91	167.1	147.4	207.4

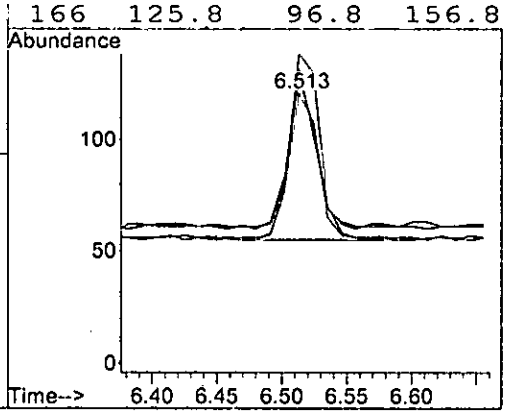


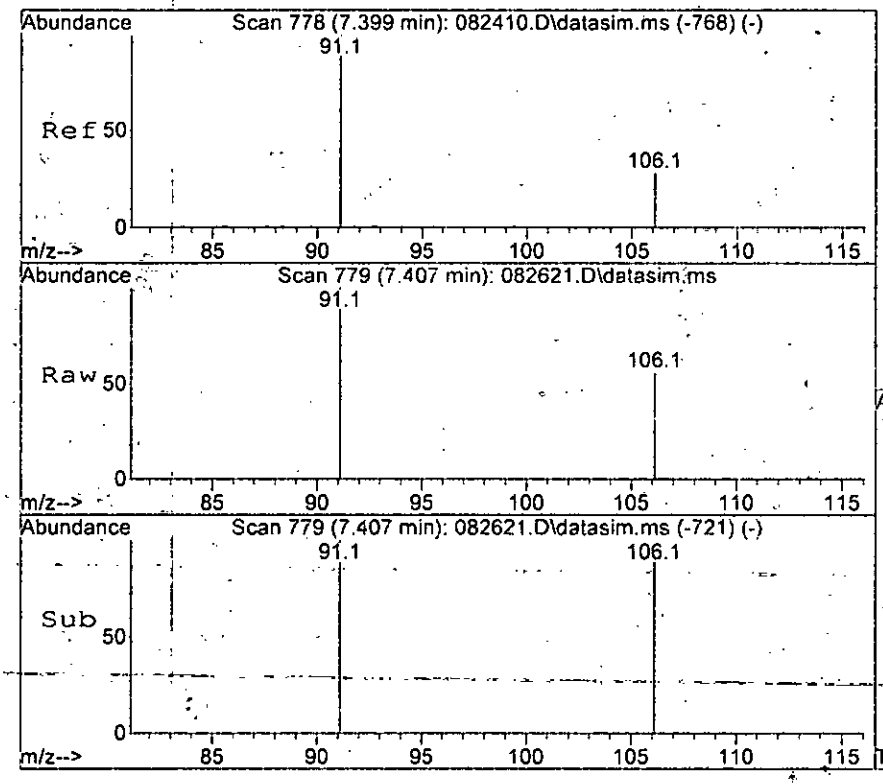


#45
Tetrachloroethene
Concen: 0.019 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion:164 Resp: 106

Ion	Ratio	Lower	Upper
164	100		
129	107.6	60.3	120.3
131	100.0	57.0	117.0
166	125.8	96.8	156.8

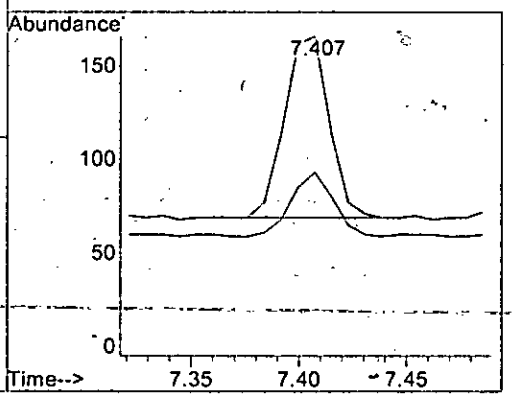


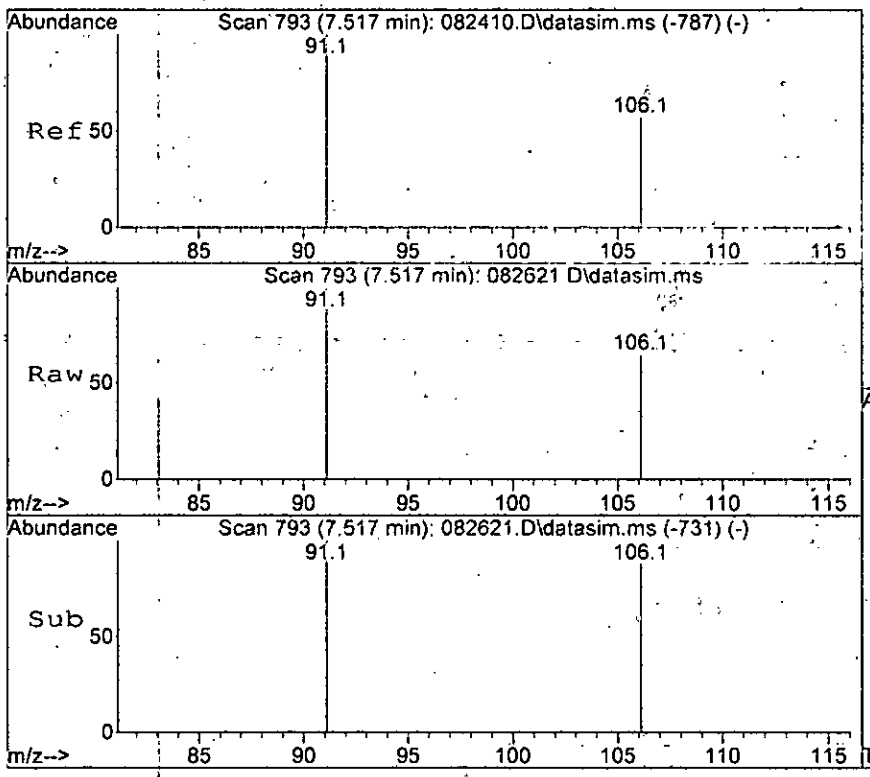


#49
Ethylbenzene
Concen: Below Cal
RT: 7.41 min Scan# 779
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 91 Resp: 139

Ion	Ratio	Lower	Upper
91	100		
106	34.0	0.0	57.3

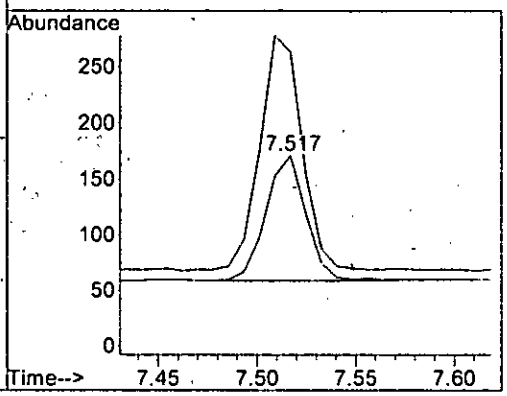




#51
m,p-Xylene
Concen: Below Cal
RT: 7.52 min Scan# 793
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion:106 Resp: 159

Ion	Ratio	Lower	Upper
106	100		
91	173.2	148.7	208.7



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	62679	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	57881	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31939	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18812	10.365 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.60%		
30) 1,2-Dichloroethane-d4	4.36	102	3691	9.709 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.10%		
35) Toluene-d8	5.98	98	68919	10.635 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 106.30%		
57) 4-Bromofluorobenzene	8.38	95	26944	10.108 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.10%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	2969	N.D.	
6) Vinyl chloride	0.00		0	N.D. d	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.28	58	215	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	840	0.291 ppb	94
14) Methylene chloride	2.61	84	25769	1.567 ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.69	77	64	Below Cal	48
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.94	83	230	N.D.	
24) 2-Butanone (MEK)	3.72	43	112	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.42	62	62	Below Cal	90
27) 1,1,1-Trichloroethane	4.08	97	84	0.026 ppb	96
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.39	78	53	Below Cal	73
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.04	92	333	Below Cal	93
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

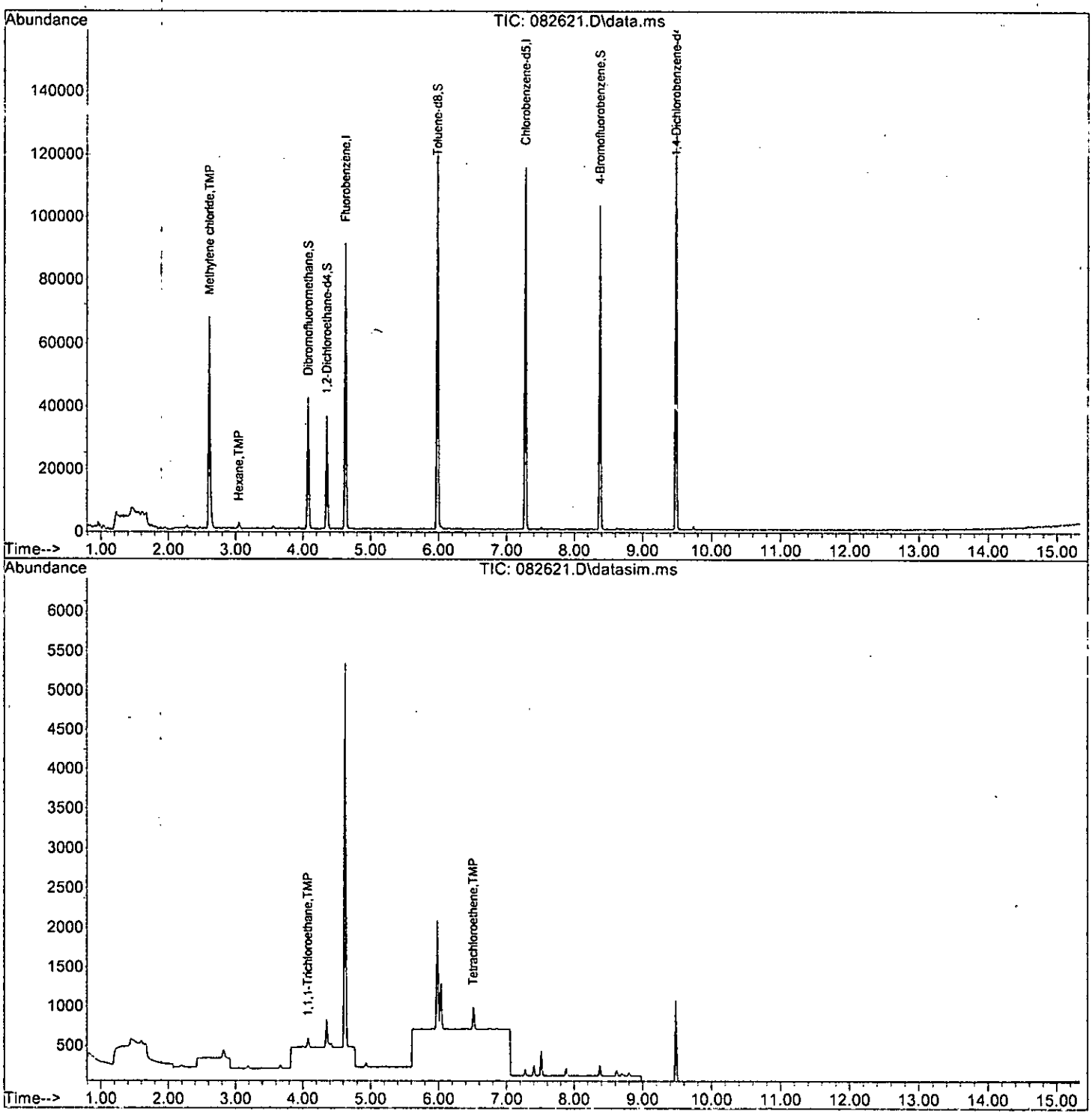
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	6.61	43	79	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.51	164	106	0.019 ppb	90
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.41	91	139	Below Cal	87
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.52	106	159	Below Cal	96
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.62	91	73	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.80	105	149	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.62	91	73	N.D.	
64) 4-Chlorotoluene	8.62	91	73	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.15	105	263	N.D.	
67) sec-Butylbenzene	9.15	105	263	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-26-22\
Data File : 082627.D
Acq On : 26 Aug 2022 07:11 pm
Operator : JCM
Sample : 208312-01 ms
Misc : water
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:28 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	60852	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	54504	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31097	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	17841	10.125 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.20%		
30) 1,2-Dichloroethane-d4	4.36	102	3619	9.806 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 98.10%		
35) Toluene-d8	5.98	98	64097	10.188 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.90%		
57) 4-Bromofluorobenzene	8.38	95	26186	10.089 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 100.90%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	52681	11.374 ppb	97
5) Chloromethane	1.23	50	58310	10.651 ppb	98
6] Vinyl chloride	1.31	62	54875	11.047 ppb	99
7) Bromomethane	1.55	94	36258	11.487 ppb	94
8] Chloroethane	1.61	64	27833	11.158 ppb	97
9) Trichlorofluoromethane	1.78	101	65316	10.375 ppb	99
10) 2-Propanol	2.40	45	84	No Calib	
11) Acetone	2.27	58	7269	52.221 ppb	97
12] 1,1-Dichloroethene	2.20	96	17378	9.979 ppb	97
13) Hexane	3.05	57	28429	10.142 ppb	97
14) Methylene chloride	2.61	84	49549	15.129 ppb	93
15) t-Butyl alcohol (TBA)	2.74	59	10391	50.432 ppb	92
16] Methyl t-butyl ether (...	2.85	73	51066	10.061 ppb	99
17] trans-1,2-Dichloroethene	2.84	96	19799	10.728 ppb	99
18) Diisopropyl ether (DIPE)	3.25	45	59144	10.011 ppb	96
19] 1,1-Dichloroethane	3.19	63	35802	9.954 ppb	99
20) Ethyl t-butyl ether (E...	3.56	87	21686	10.050 ppb	96
21) 2,2-Dichloropropane	3.67	77	23203	11.254 ppb	94
22] cis-1,2-Dichloroethene	3.68	96	21008	10.321 ppb	95
23) Chloroform	3.95	83	32703	9.754 ppb	99
24) 2-Butanone (MEK)	3.71	43	40404	52.106 ppb	98
25) t-Amyl methyl ether (T...	4.50	73	48143	10.160 ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	25674	10.219 ppb	99
27] 1,1,1-Trichloroethane	4.09	97	31135	10.051 ppb	92
28) 1,1-Dichloropropene	4.22	75	23222	9.897 ppb	96
29) Carbon tetrachloride	4.22	117	25931	10.290 ppb	88
31] Benzene	4.39	78	69569	10.295 ppb	98
32] Trichloroethene	4.94	95	19505	10.430 ppb	99
33) 1,2-Dichloropropane	5.14	63	18163	9.958 ppb	98
34) Bromodichloromethane	5.37	83	22927	10.039 ppb	99
36) Dibromomethane	5.23	93	10825	10.534 ppb	96
37) 4-Methyl-2-pentanone	5.91	85	13780	49.982 ppb	91
38) cis-1,3-Dichloropropene	5.76	75	26120	10.383 ppb	98
40] Toluene	6.04	92	45315	10.315 ppb	94
41) trans-1,3-Dichloropropene	6.25	75	22946	9.709 ppb	98

Data Path : F:\Proc_GCMS11\08-26-22\
Data File : 082627.D
Acq On : 26 Aug 2022 07:11 pm
Operator : JCM
Sample : 208312-01 ms
Misc : water
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:28 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

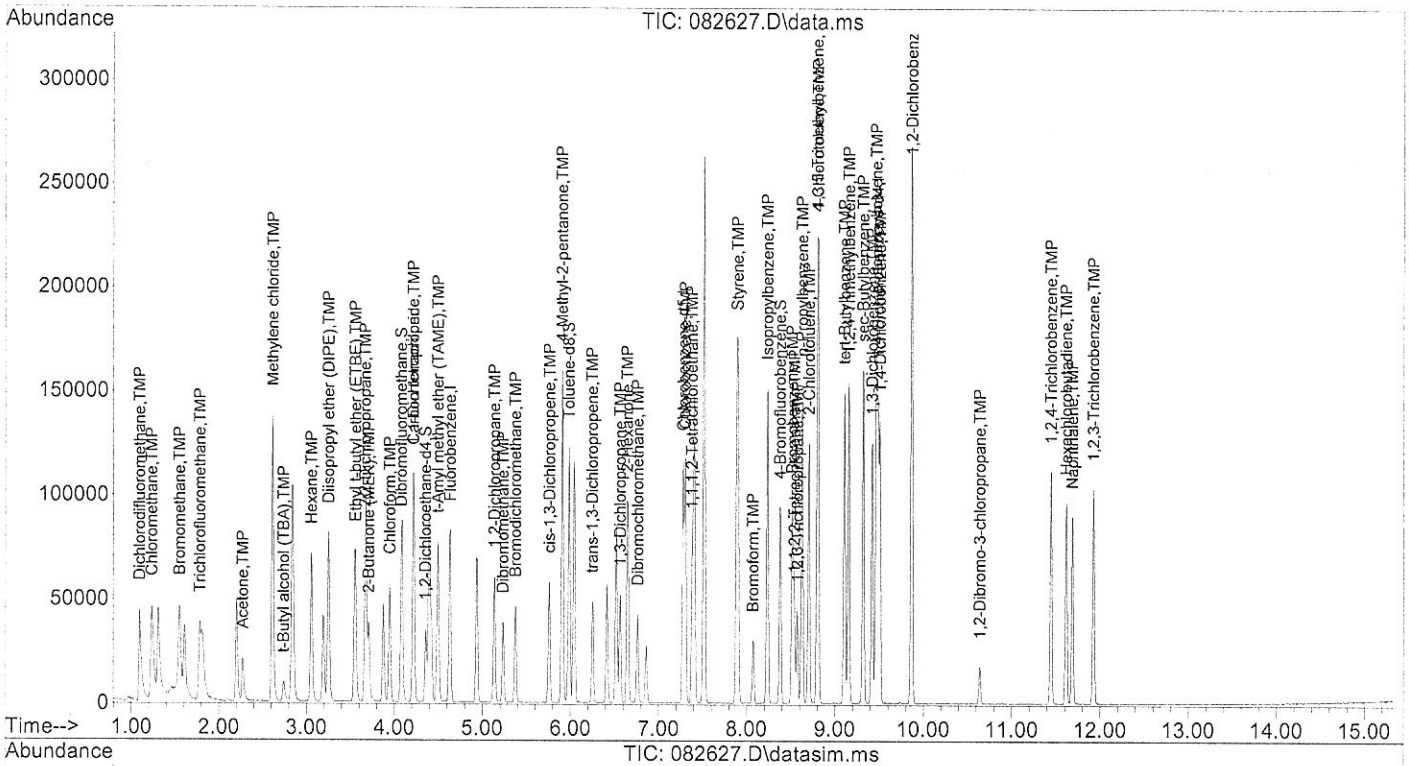
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	13173	9.903	ppb	90
43) 2-Hexanone	6.64	43	60934	48.581	ppb	99
44) 1,3-Dichloropropane	6.57	76	23905	9.819	ppb	98
45] Tetrachloroethene	6.51	164	18679	10.194	ppb	95
46) Dibromochloromethane	6.76	129	18957	10.127	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	16429	10.019	ppb	97
48) Chlorobenzene	7.30	112	50782	9.758	ppb	96
49] Ethylbenzene	7.41	91	87664	10.187	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.38	131	19401	10.082	ppb	98
51] m,p-Xylene	7.52	106	68050	20.334	ppb	93
52] o-Xylene	7.88	106	33493	10.064	ppb	93
53) Styrene	7.90	104	54710	9.848	ppb	99
54) Isopropylbenzene	8.23	105	86083	9.888	ppb	99
55) Bromoform	8.07	173	12795	10.452	ppb	97
58) n-Propylbenzene	8.63	91	98979	10.033	ppb	97
59) Bromobenzene	8.52	156	24817	10.027	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	71869	9.850	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.54	83	20346	10.030	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	14850	9.806	ppb	98
63) 2-Chlorotoluene	8.70	91	59986	10.032	ppb	98
64) 4-Chlorotoluene	8.81	91	69227	10.166	ppb	99
65) tert-Butylbenzene	9.11	119	63438	9.899	ppb	99
66) 1,2,4-Trimethylbenzene	9.16	105	73599	9.821	ppb	97
67) sec-Butylbenzene	9.32	105	95635	10.121	ppb	100
68) p-Isopropyltoluene	9.47	119	83578	10.238	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	46383	9.993	ppb	97
70) 1,4-Dichlorobenzene	9.51	146	47372	10.122	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	45106	9.886	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.64	75	3671	10.019	ppb	87
73) 1,2,4-Trichlorobenzene	11.44	180	33888	9.962	ppb	99
74) Hexachlorobutadiene	11.61	225	19913	10.273	ppb	94
75) Naphthalene	11.69	128	63623	9.572	ppb	97
76) 1,2,3-Trichlorobenzene	11.92	180	29810	9.754	ppb	99

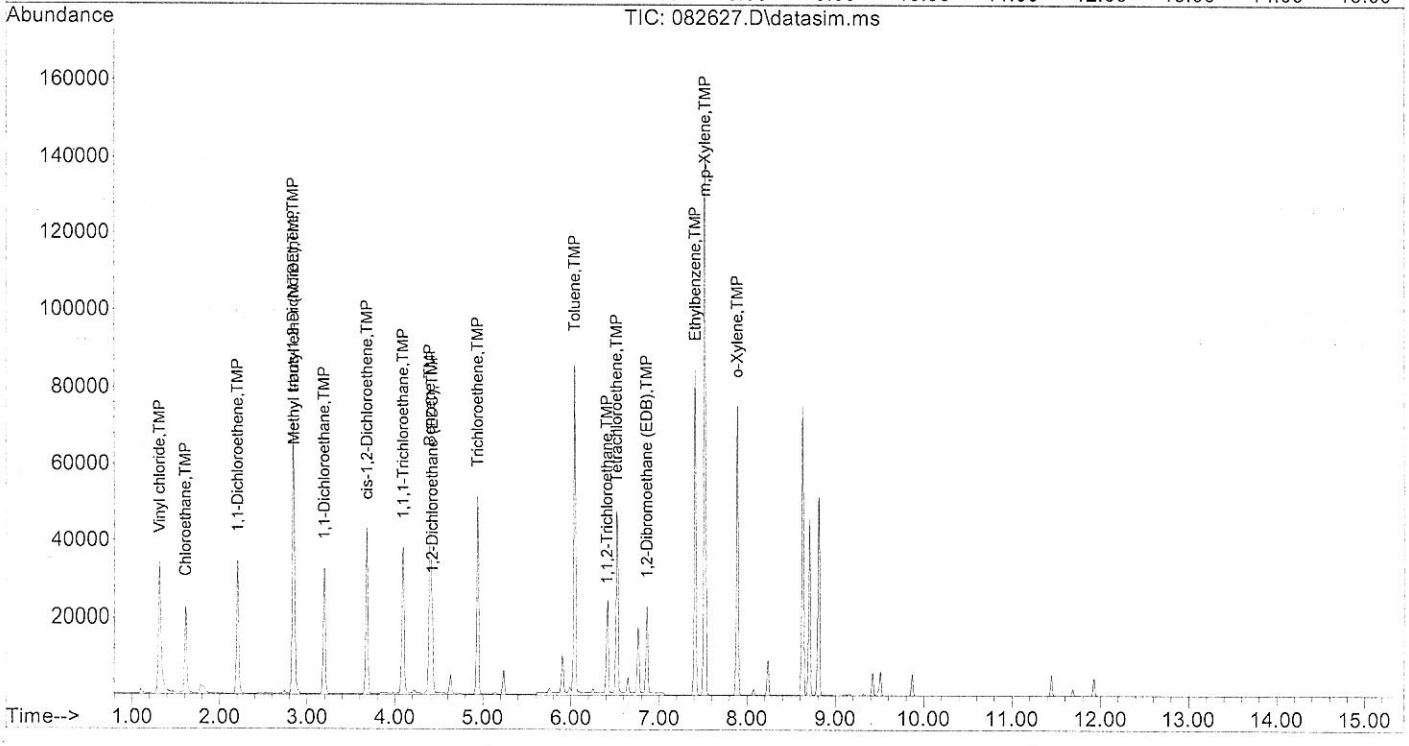
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-26-22\
Data File : 082627.D
Acq On : 26 Aug 2022 07:11 pm
Operator : JCM
Sample : 208312-01 ms
Misc : water
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:28 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082628.D
Acq On : 26 Aug 2022 07:34 pm
Operator : JCM
Sample : 208312-01 msd
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	61630	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	54053	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31170	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.09	113	17231	9.655	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%			
30) 1,2-Dichloroethane-d4	4.37	102	3656	9.781	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.80%			
35) Toluene-d8	5.98	98	65406	10.265	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.60%			
57) 4-Bromofluorobenzene	8.38	95	26306	10.112	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.10%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	51914	11.067	ppb	96
5) Chloromethane	1.23	50	57665	10.400	ppb	97
6] Vinyl chloride	1.31	62	54120	10.758	ppb	98
7) Bromomethane	1.55	94	32324	10.111	ppb	96
8] Chloroethane	1.60	64	27525	10.895	ppb	98
9) Trichlorofluoromethane	1.78	101	62389	9.785	ppb	94
10) 2-Propanol	2.41	45	106	No Calib		
11) Acetone	2.28	58	7062	50.037	ppb	98
12] 1,1-Dichloroethene	2.20	96	17155	9.727	ppb	90
13) Hexane	3.06	57	28509	10.042	ppb	97
14) Methylene chloride	2.61	84	49878	14.962	ppb	94
15) t-Butyl alcohol (TBA)	2.74	59	10096	48.382	ppb	95
16] Methyl t-butyl ether (...	2.85	73	50802	9.883	ppb	99
17] trans-1,2-Dichloroethene	2.84	96	19539	10.453	ppb	94
18) Diisopropyl ether (DIPE)	3.25	45	58637	9.800	ppb	96
19] 1,1-Dichloroethane	3.19	63	35327	9.698	ppb	99
20) Ethyl t-butyl ether (E...	3.56	87	21357	9.773	ppb	99
21) 2,2-Dichloropropane	3.67	77	22494	10.768	ppb	95
22] cis-1,2-Dichloroethene	3.68	96	20635	10.010	ppb	99
23) Chloroform	3.95	83	32784	9.654	ppb	96
24) 2-Butanone (MEK)	3.71	43	40640	51.747	ppb	100
25) t-Amyl methyl ether (T...	4.50	73	47485	9.895	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	25508	10.024	ppb	98
27] 1,1,1-Trichloroethane	4.09	97	30690	9.782	ppb	94
28) 1,1-Dichloropropene	4.23	75	23719	9.981	ppb	98
29) Carbon tetrachloride	4.22	117	26272	10.294	ppb	96
31] Benzene	4.39	78	68997	10.081	ppb	97
32] Trichloroethene	4.94	95	19361	10.222	ppb	93
33) 1,2-Dichloropropane	5.14	63	17912	9.696	ppb	98
34) Bromodichloromethane	5.37	83	22924	9.911	ppb	97
36) Dibromomethane	5.24	93	10831	10.406	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	14708	52.675	ppb	98
38) cis-1,3-Dichloropropene	5.76	75	25313	9.935	ppb	93
40] Toluene	6.04	92	45279	10.394	ppb	94
41) trans-1,3-Dichloropropene	6.25	75	22838	9.744	ppb	95

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082628.D
Acq On : 26 Aug 2022 07:34 pm
Operator : JCM
Sample : 208312-01 msd
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

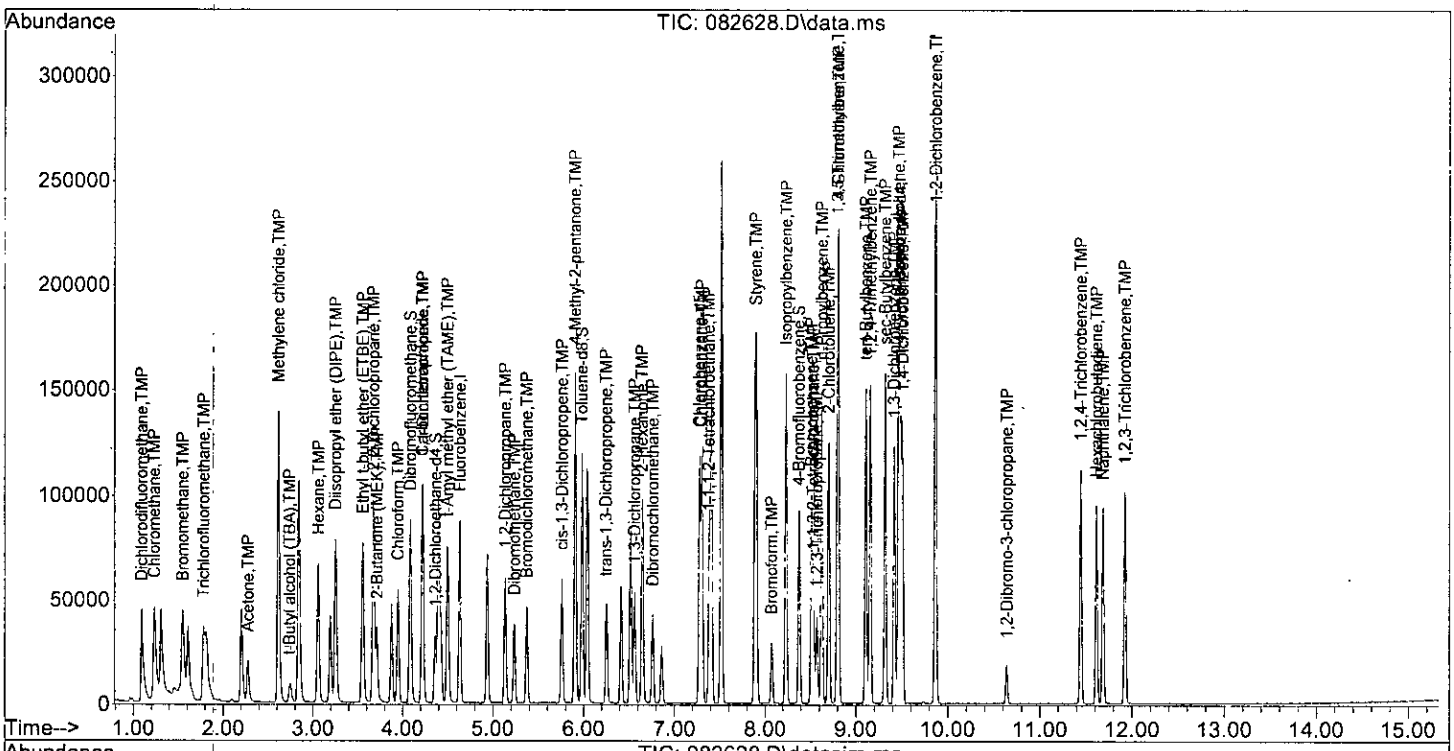
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.41	83	13324	10.100	ppb	83
43) 2-Hexanone	6.64	43	62619	50.341	ppb	96
44) 1,3-Dichloropropane	6.57	76	24080	9.973	ppb	99
45] Tetrachloroethene	6.52	164	18623	10.248	ppb	93
46) Dibromochloromethane	6.76	129	18974	10.221	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	16688	10.262	ppb	97
48) Chlorobenzene	7.30	112	52198	10.114	ppb	98
49] Ethylbenzene	7.41	91	87621	10.267	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.38	131	18827	9.865	ppb	98
51] m,p-Xylene	7.52	106	67925	20.467	ppb	92
52] o-Xylene	7.88	106	33407	10.122	ppb	91
53) Styrene	7.90	104	54541	9.900	ppb	99
54) Isopropylbenzene	8.23	105	87149	10.094	ppb	96
55) Bromoform	8.07	173	13025	10.723	ppb	94
58) n-Propylbenzene	8.63	91	97653	9.875	ppb	100
59) Bromobenzene	8.52	156	24750	9.976	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	71609	9.791	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.53	83	20011	9.842	ppb	92
62) 1,2,3-Trichloropropane	8.57	75	14775	9.733	ppb	96
63) 2-Chlorotoluene	8.70	91	59562	9.938	ppb	99
64) 4-Chlorotoluene	8.81	91	68930	10.098	ppb	100
65) tert-Butylbenzene	9.11	119	63179	9.836	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	72398	9.638	ppb	100
67) sec-Butylbenzene	9.32	105	95284	10.061	ppb	98
68) p-Isopropyltoluene	9.47	119	83063	10.151	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	46315	9.955	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	46394	9.889	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	44102	9.643	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.64	75	3684	10.031	ppb	88
73) 1,2,4-Trichlorobenzene	11.44	180	32808	9.622	ppb	99
74) Hexachlorobutadiene	11.61	225	19073	9.817	ppb	95
75) Naphthalene	11.69	128	64390	9.664	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	30035	9.805	ppb	98

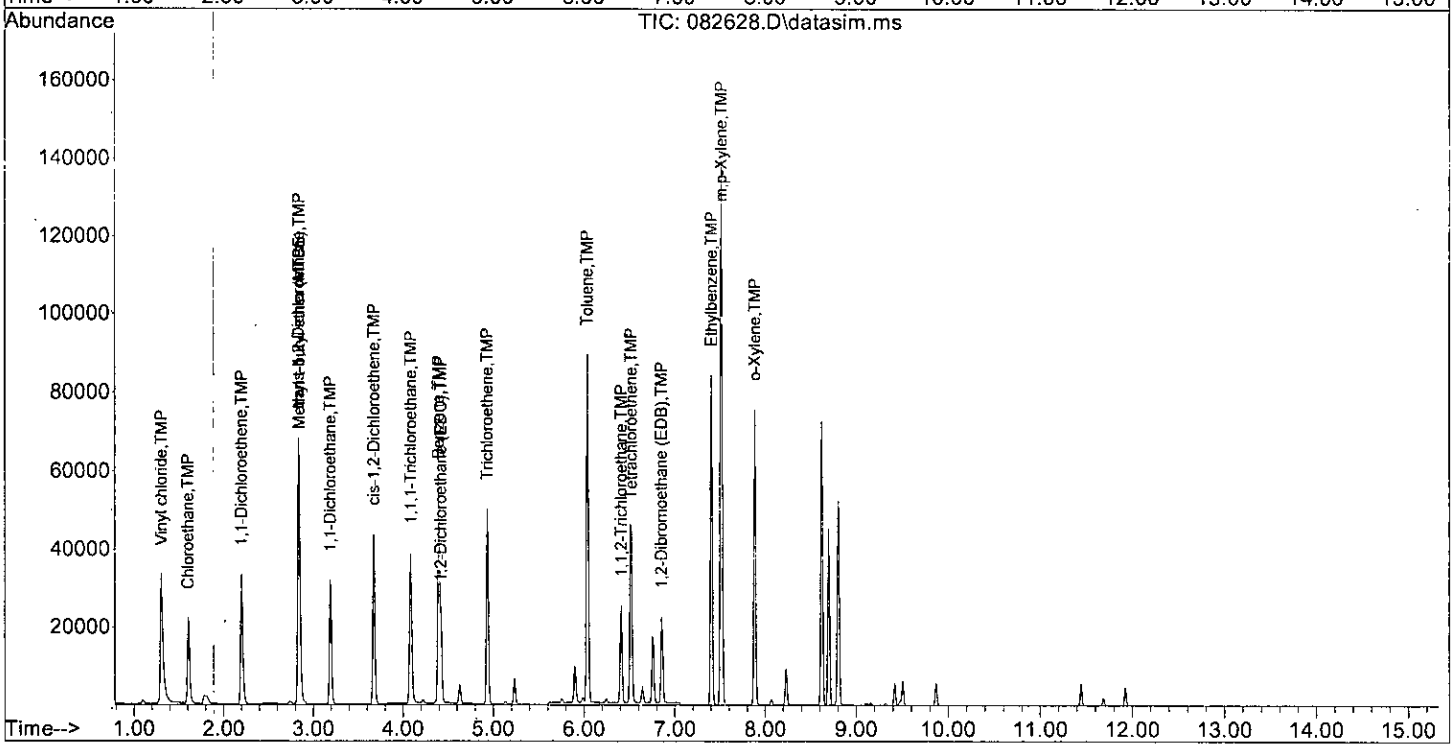
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082628.D
Acq On : 26 Aug 2022 07:34 pm
Operator : JCM
Sample : 208312-01 msd
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



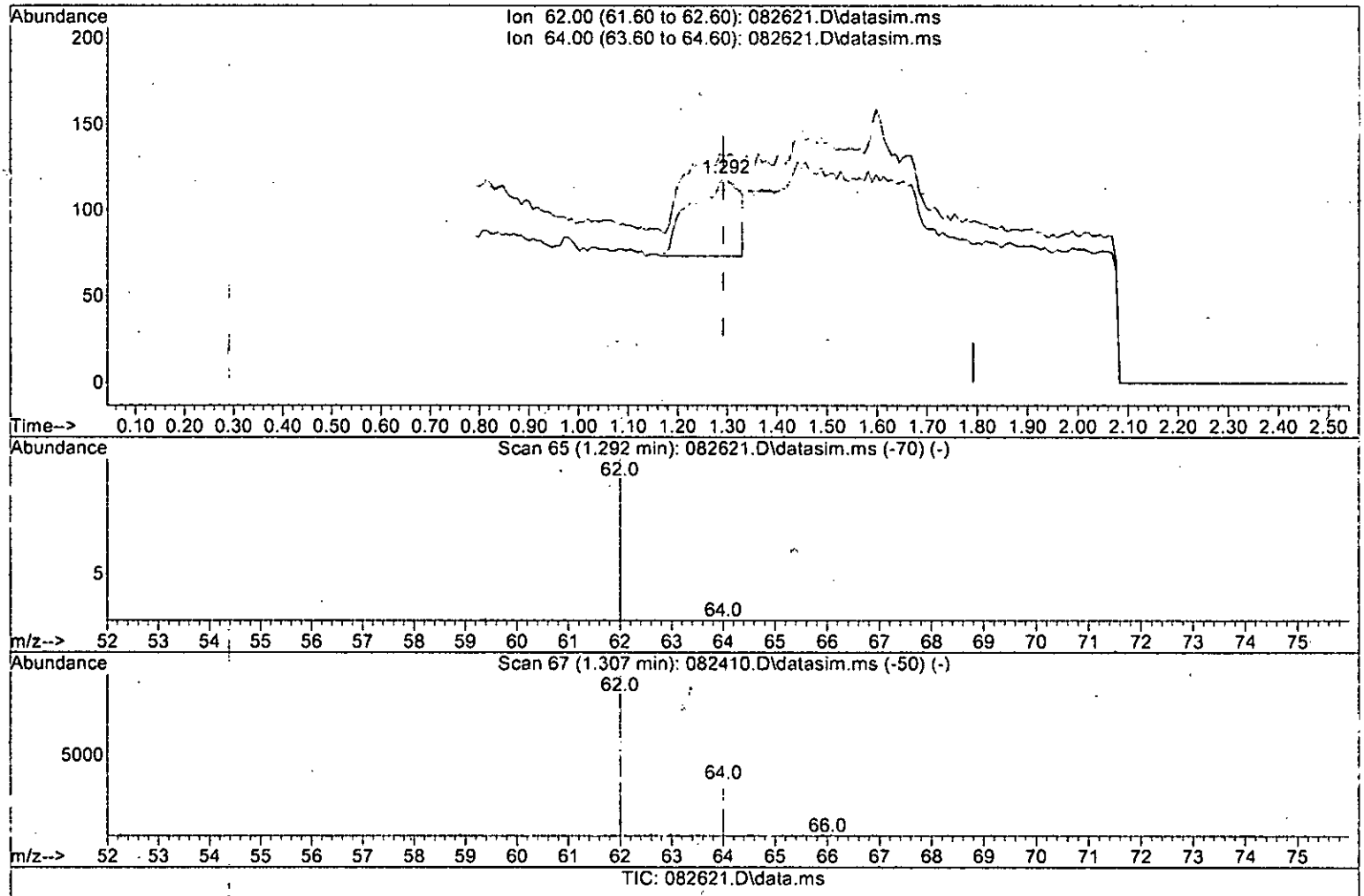


EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:31:53 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082621.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.061 ppb

response 310

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	95.65#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

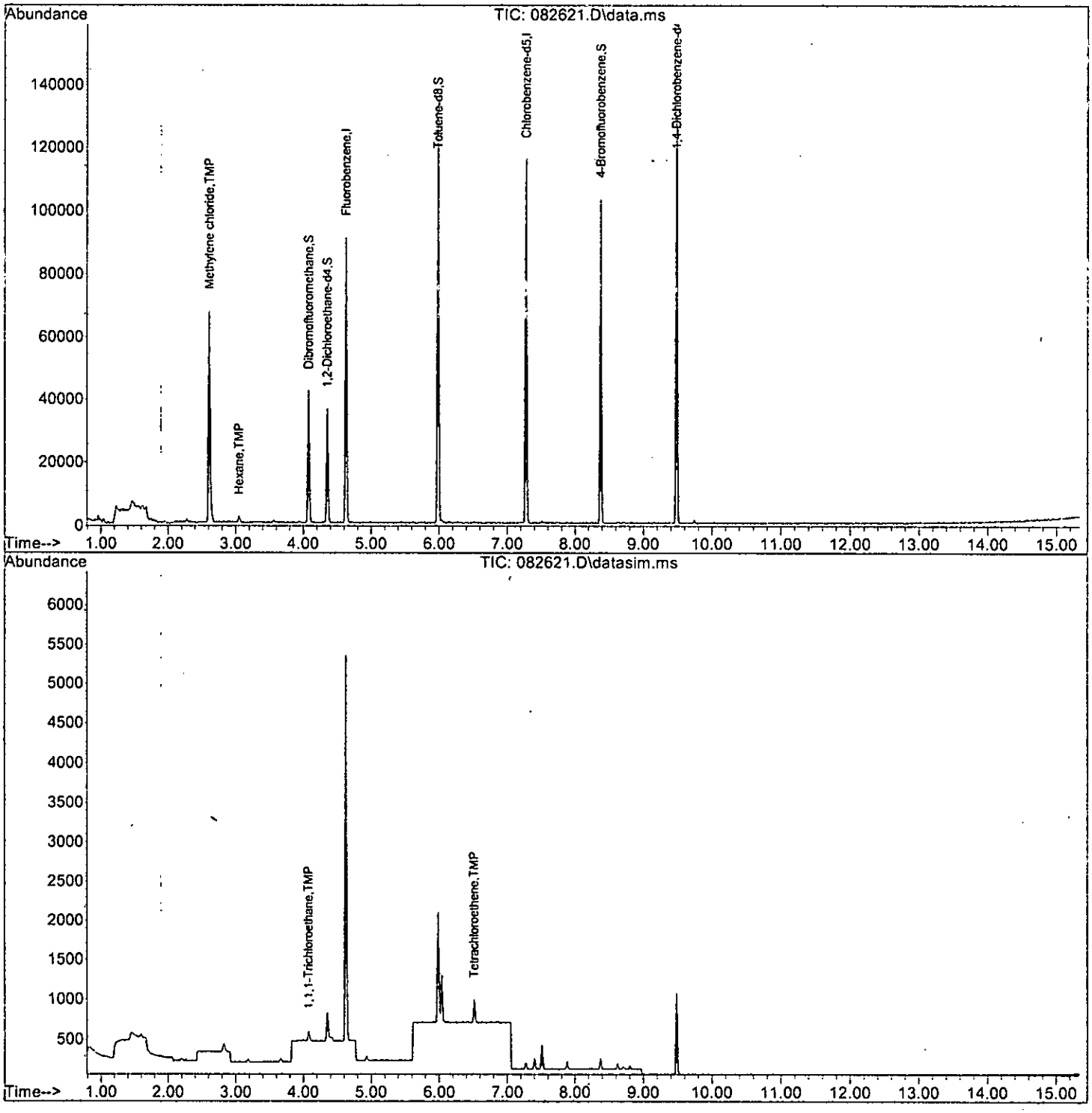
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	62679	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	57881	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31939	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18812	10.365 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.60%		
30) 1,2-Dichloroethane-d4	4.36	102	3691	9.709 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.10%		
35) Toluene-d8	5.98	98	68919	10.635 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 106.30%		
57) 4-Bromofluorobenzene	8.38	95	26944	10.108 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.10%		
Target Compounds					Qvalue
13) Hexane	3.05	57	840	0.291 ppb	94
14) Methylene chloride	2.61	84	25769	1.567 ppb	94
21) 2,2-Dichloropropane	3.69	77	64	Below Cal	48
24) 2-Butanone (MEK)	3.72	43	112	Below Cal	59
26] 1,2-Dichloroethane (EDC)	4.42	62	62	Below Cal	90
27] 1,1,1-Trichloroethane	4.08	97	84	0.026 ppb	96
31] Benzene	4.39	78	53	Below Cal	73
40] Toluene	6.04	92	333	Below Cal	93
45] Tetrachloroethene	6.51	164	106	0.019 ppb	90
49] Ethylbenzene	7.41	91	139	Below Cal	87
51] m,p-Xylene	7.52	106	159	Below Cal	96

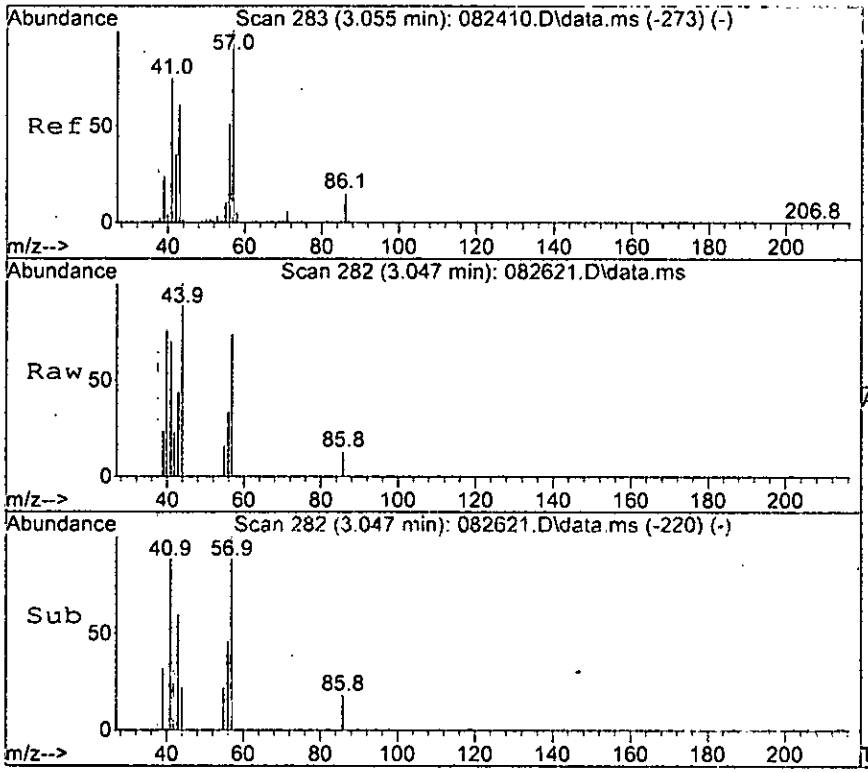
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

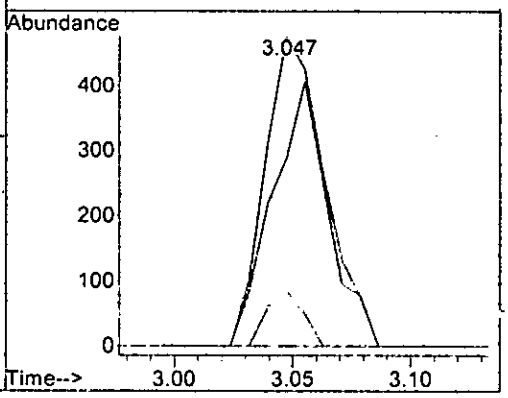


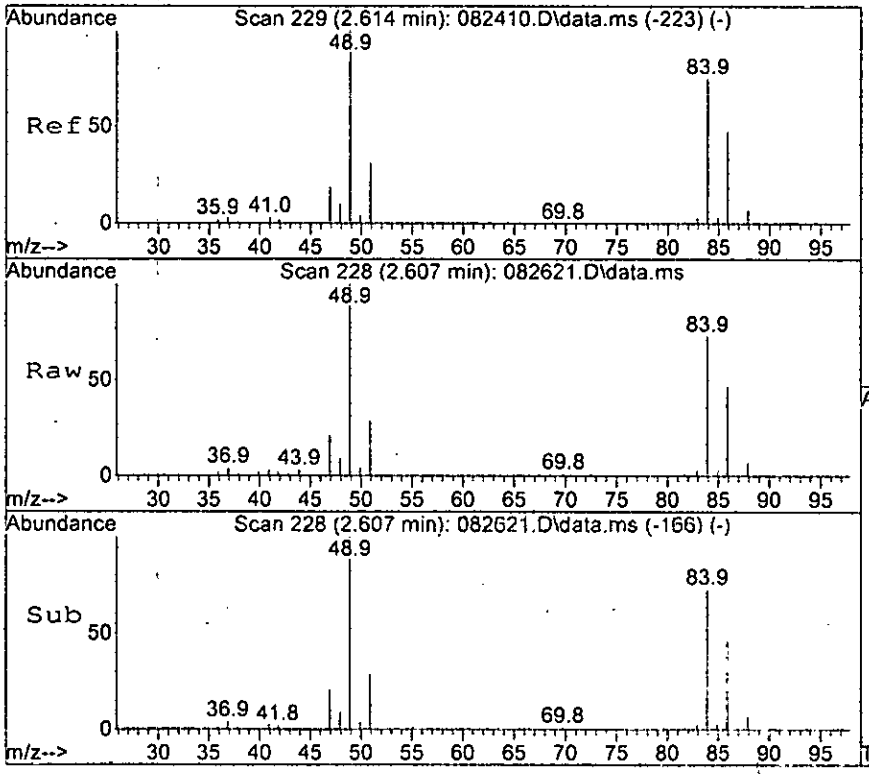


#13
Hexane
Concen: 0.291 ppb
RT: 3.05 min Scan# 282
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 57 Resp: 840

Ion	Ratio	Lower	Upper
57	100		
43	60.2	35.4	95.4
86	17.8	0.0	45.4

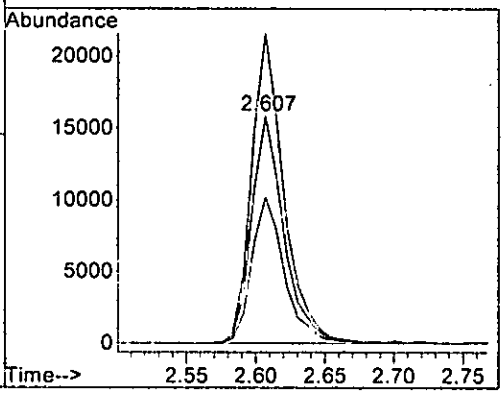


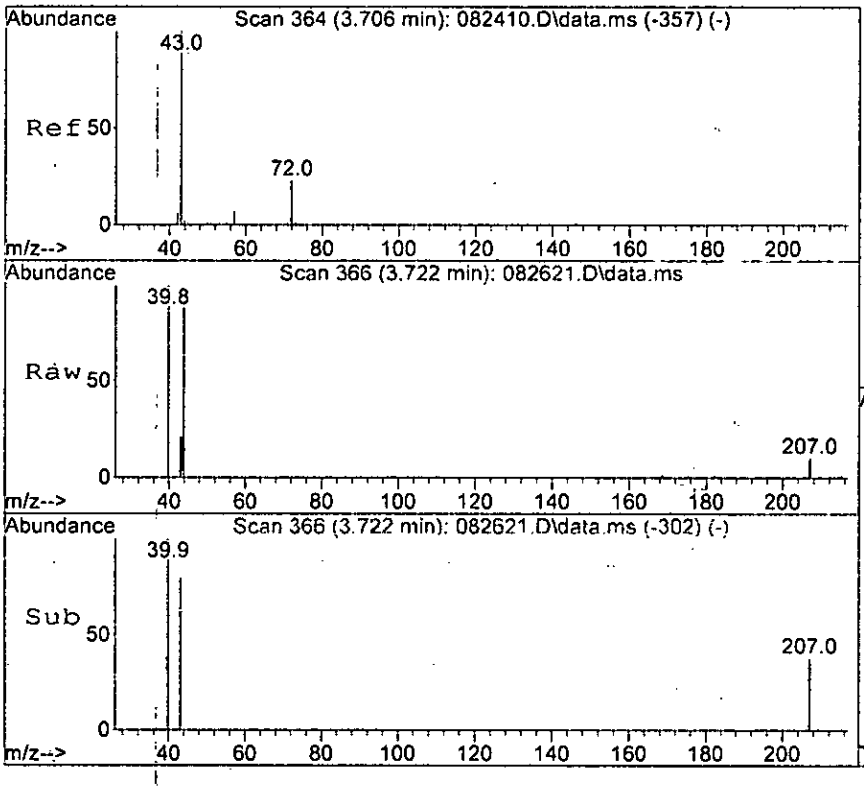


#14
Methylene chloride
Concen: 1.567 ppb
RT: 2.61 min Scan# 228
Delta R.T. -0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 84 Resp: 25769

Ion	Ratio	Lower	Upper
84	100		
86	64.5	38.7	98.7
49	136.8	114.1	174.1

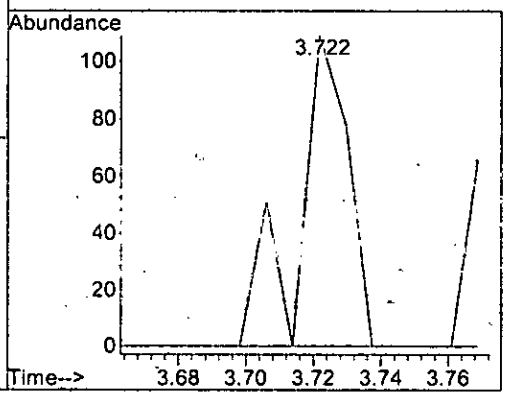


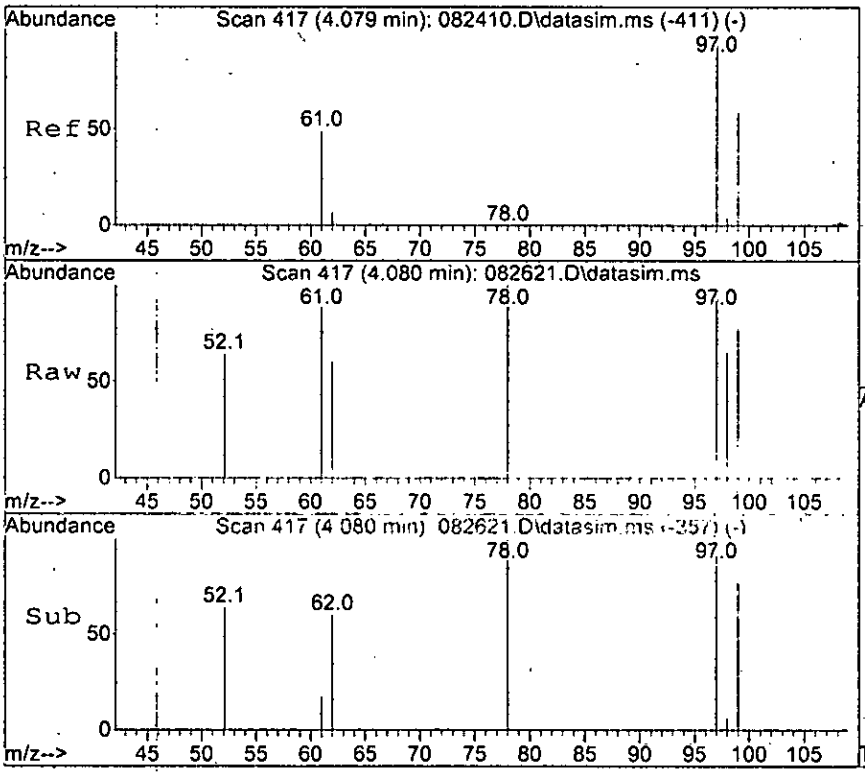


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.72 min Scan# 366
Delta R.T. 0.016 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 43 Resp: 112

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

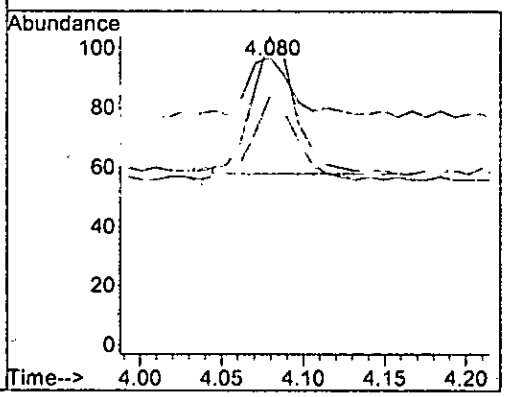


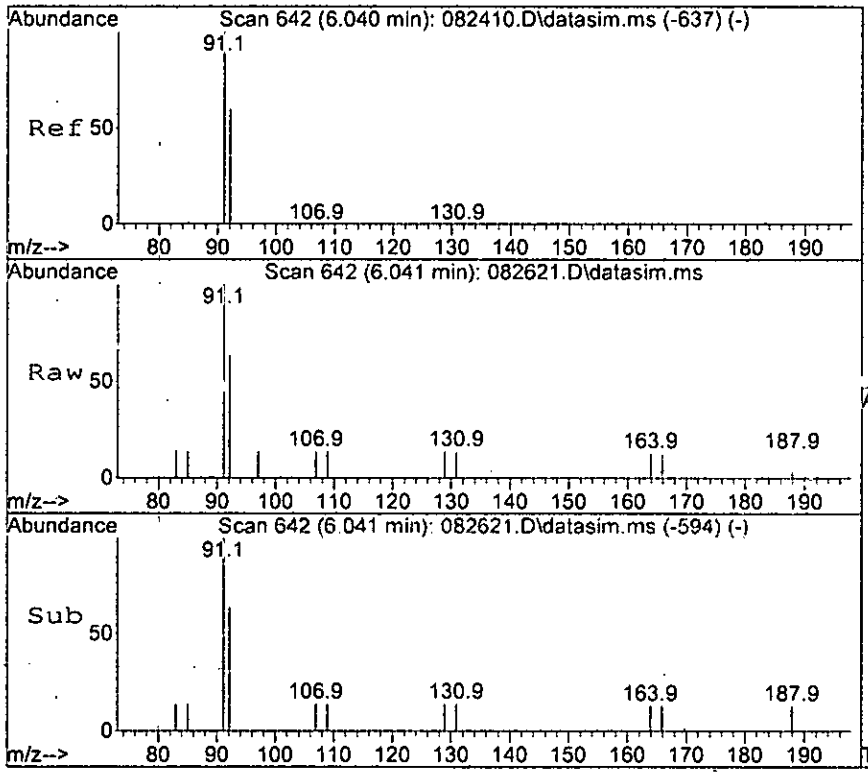


#27
1,1,1-Trichloroethane
Concen: 0.026 ppb
RT: 4.08 min Scan# 417
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 97 Resp: 84

Ion	Ratio	Lower	Upper
97	100		
99	58.7	31.7	91.7
61	43.5	16.8	76.8

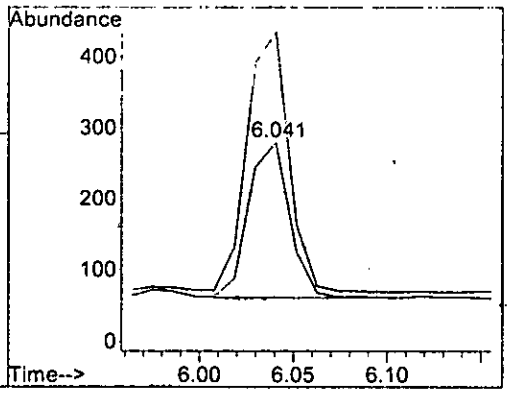


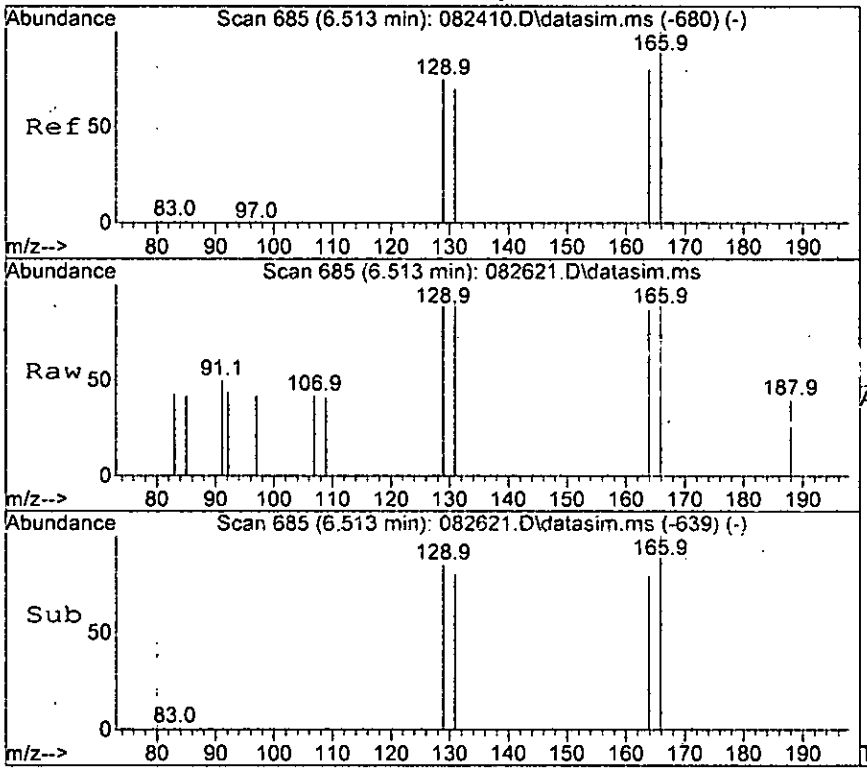


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 92 Resp: 333

Ion	Ratio	Lower	Upper
92	100		
91	167.1	147.4	207.4

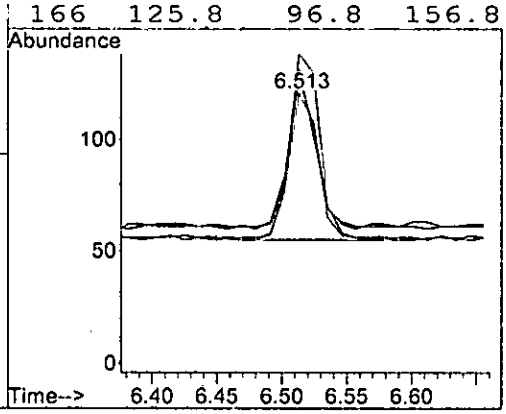


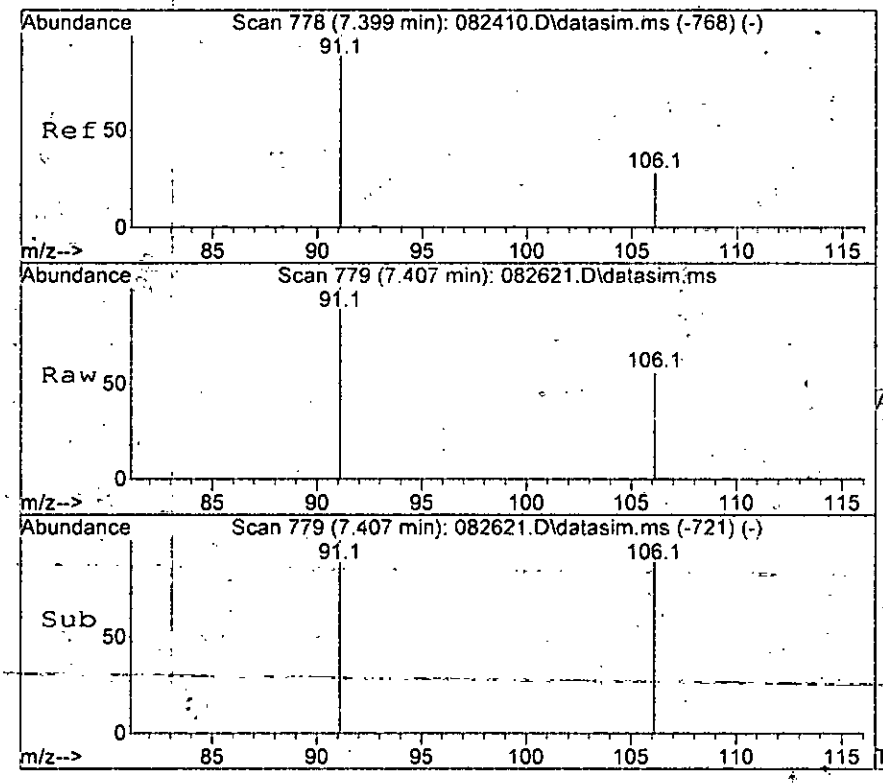


#45
Tetrachloroethene
Concen: 0.019 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion:164 Resp: 106

Ion	Ratio	Lower	Upper
164	100		
129	107.6	60.3	120.3
131	100.0	57.0	117.0
166	125.8	96.8	156.8

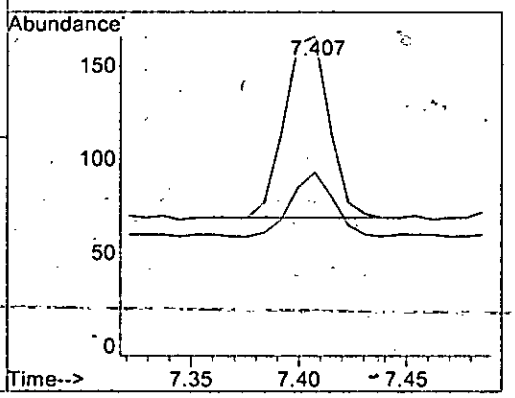


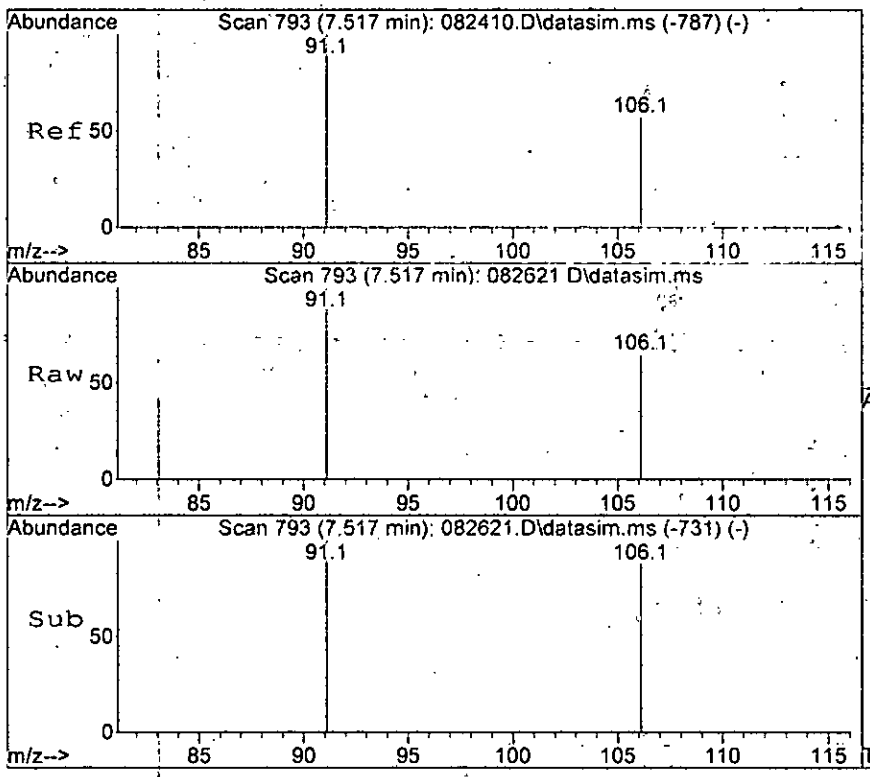


#49
Ethylbenzene
Concen: Below Cal
RT: 7.41 min Scan# 779
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion: 91 Resp: 139

Ion	Ratio	Lower	Upper
91	100		
106	34.0	0.0	57.3

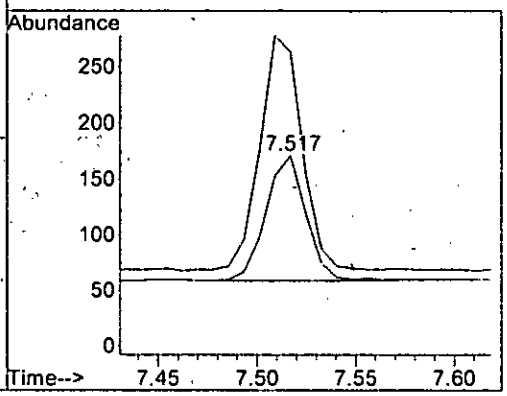




#51
m,p-Xylene
Concen: Below Cal
RT: 7.52 min Scan# 793
Delta R.T. 0.000 min
Lab File: 082621.D
Acq: 26 Aug 2022 04:56 pm

Tgt Ion:106 Resp: 159

Ion	Ratio	Lower	Upper
106	100		
91	173.2	148.7	208.7



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	62679	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	57881	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31939	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18812	10.365 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.60%		
30) 1,2-Dichloroethane-d4	4.36	102	3691	9.709 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.10%		
35) Toluene-d8	5.98	98	68919	10.635 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 106.30%		
57) 4-Bromofluorobenzene	8.38	95	26944	10.108 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.10%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	2969	N.D.	
6) Vinyl chloride	0.00		0	N.D. d	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.28	58	215	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	840	0.291 ppb	94
14) Methylene chloride	2.61	84	25769	1.567 ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.69	77	64	Below Cal	48
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.94	83	230	N.D.	
24) 2-Butanone (MEK)	3.72	43	112	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.42	62	62	Below Cal	90
27) 1,1,1-Trichloroethane	4.08	97	84	0.026 ppb	96
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.39	78	53	Below Cal	73
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.04	92	333	Below Cal	93
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

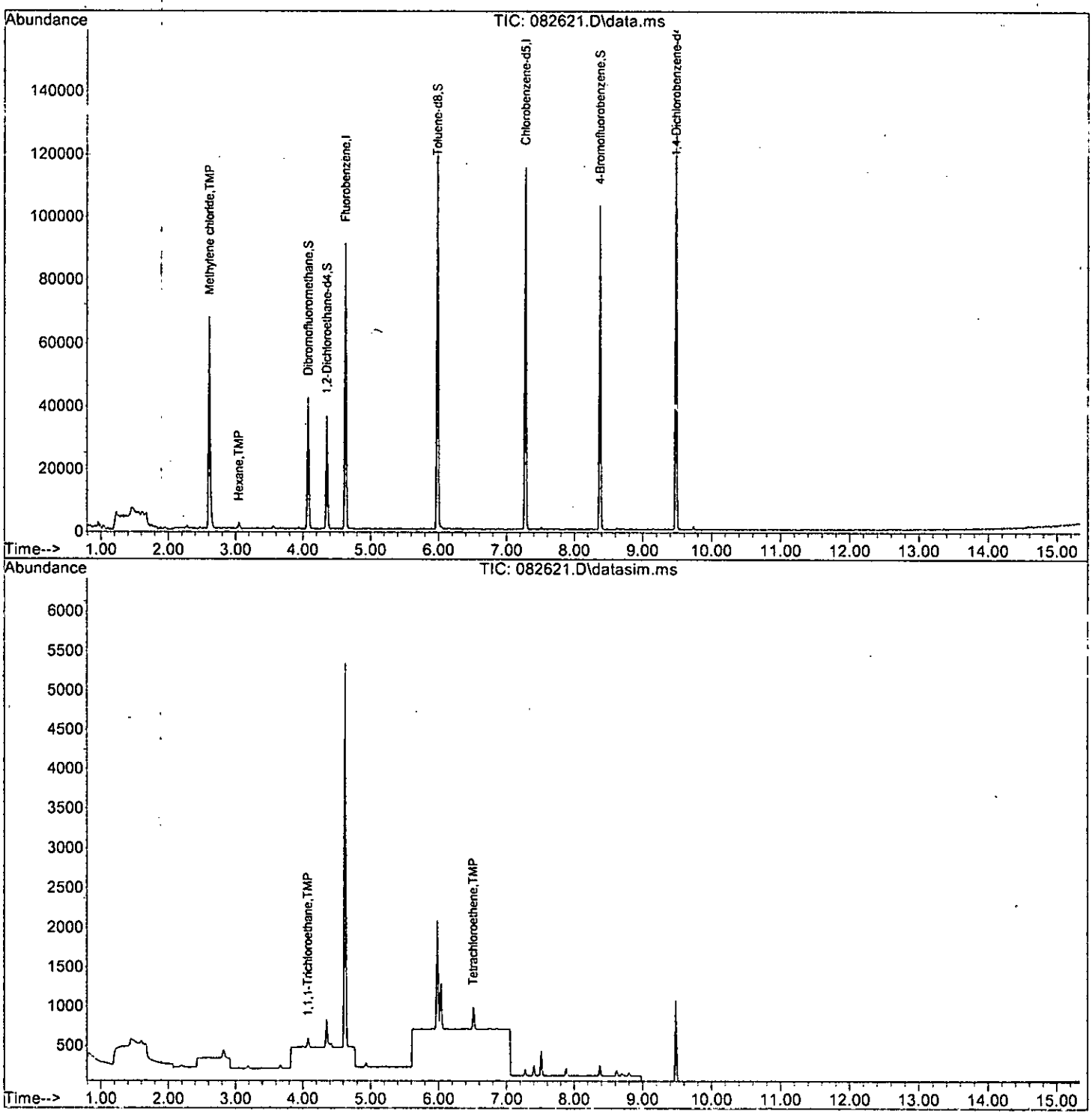
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	6.61	43	79	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.51	164	106	0.019 ppb	90
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.41	91	139	Below Cal	87
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.52	106	159	Below Cal	96
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.62	91	73	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.80	105	149	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.62	91	73	N.D.	
64) 4-Chlorotoluene	8.62	91	73	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.15	105	263	N.D.	
67) sec-Butylbenzene	9.15	105	263	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082621.D
Acq On : 26 Aug 2022 04:56 pm
Operator : JCM
Sample : 208312-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

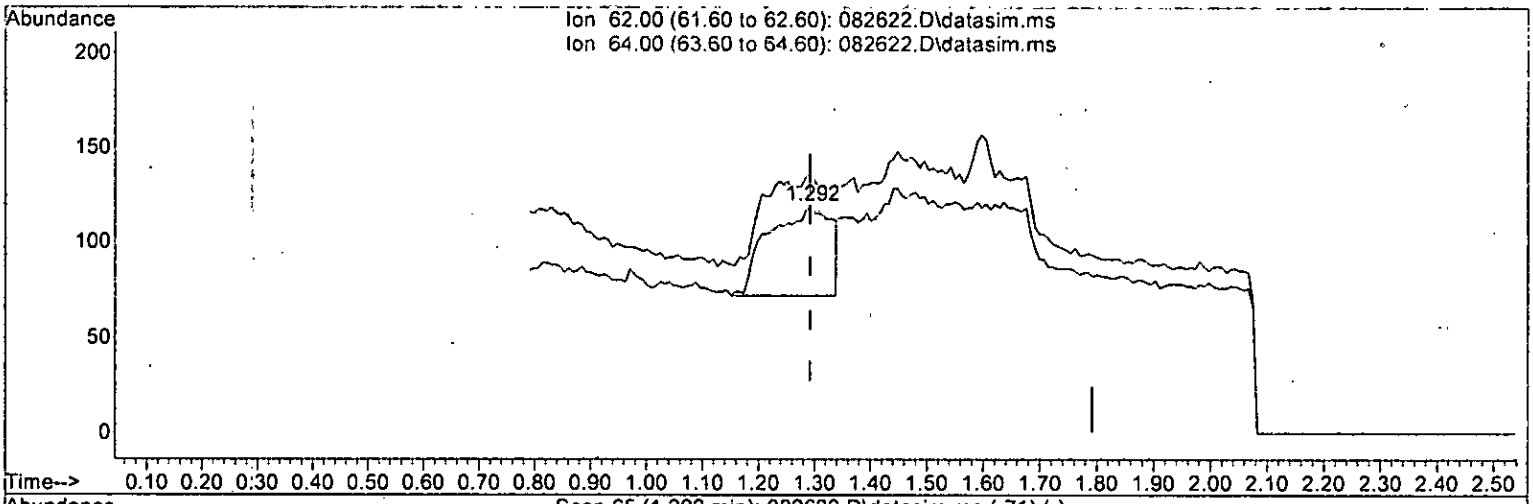
Quant Time: Aug 26 17:42:55 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

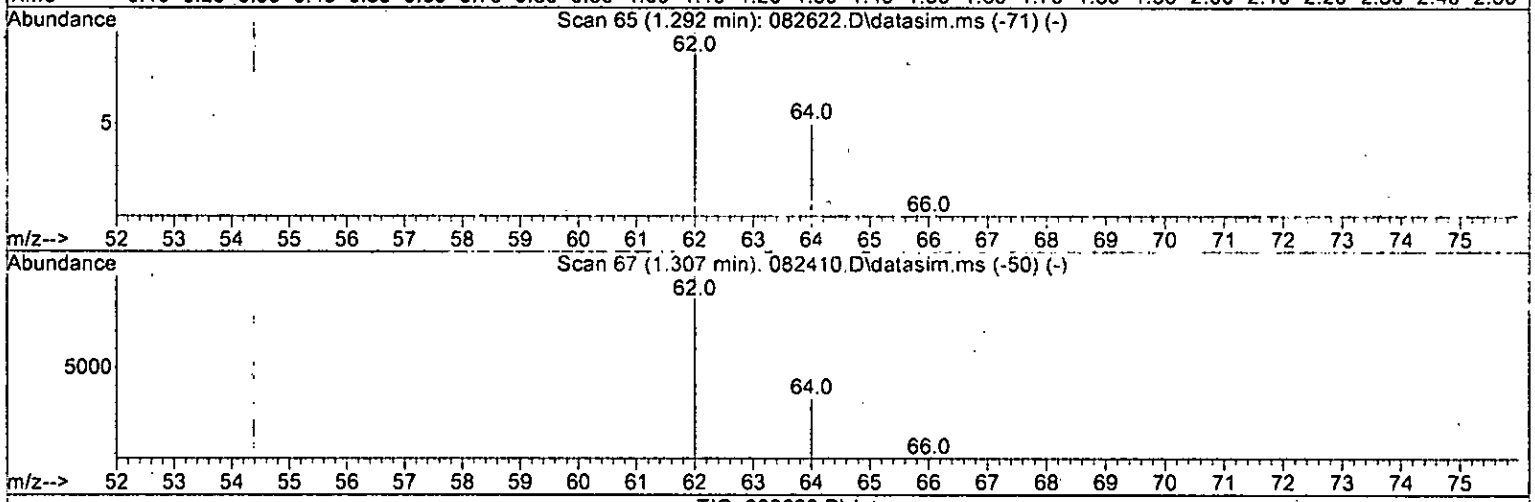


Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082622.D
Acq On : 26 Aug 2022 05:19 pm
Operator : JCM
Sample : 208312-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:43:15 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082622.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.070 ppb

response 357

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	102.13#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082622.D
Acq On : 26 Aug 2022 05:19 pm
Operator : JCM
Sample : 208312-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:43:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

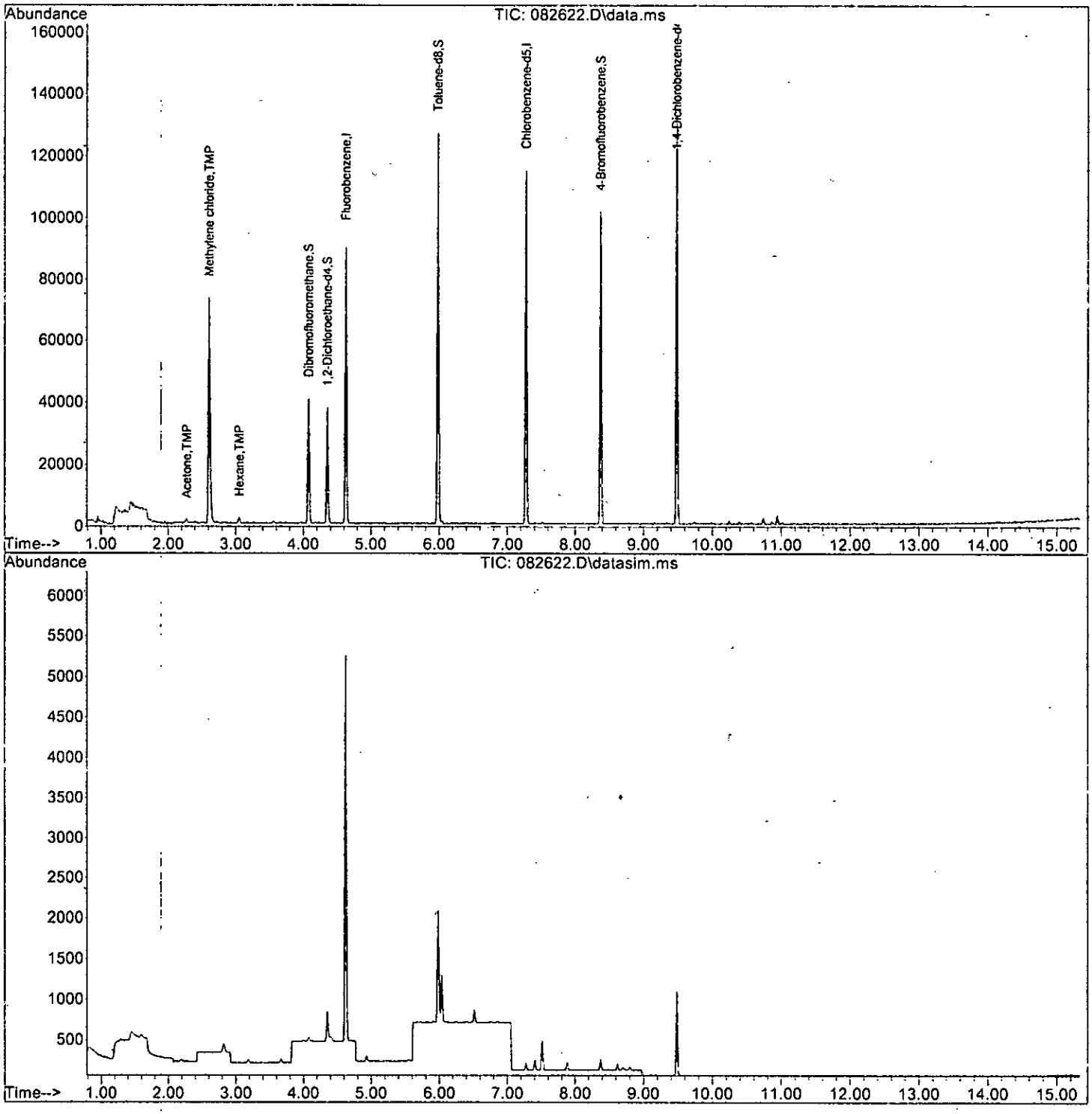
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	62366	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	56636	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31514	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18063	10.002 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.00%		
30) 1,2-Dichloroethane-d4	4.36	102	4011	10.604 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 106.00%		
35) Toluene-d8	5.98	98	66461	10.307 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.10%		
57) 4-Bromofluorobenzene	8.38	95	27191	10.338 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.40%		
Target Compounds					Qvalue
11) Acetone	2.28	58	367	1.146 ppb #	58
13) Hexane	3.05	57	784	0.273 ppb	95
14) Methylene chloride	2.61	84	29405	3.595 ppb	90
21) 2,2-Dichloropropane	3.65	77	90	Below Cal	48
24) 2-Butanone (MEK)	3.72	43	149	Below Cal	59
26) 1,2-Dichloroethane (EDC)	4.42	62	60	Below Cal	97
31) Benzene	4.39	78	63	Below Cal	86
40) Toluene	6.04	92	329	Below Cal	91
45) Tetrachloroethene	6.51	164	59	Below Cal	98
49) Ethylbenzene	7.40	91	137	Below Cal	100
51) m,p-Xylene	7.52	106	184	Below Cal	98

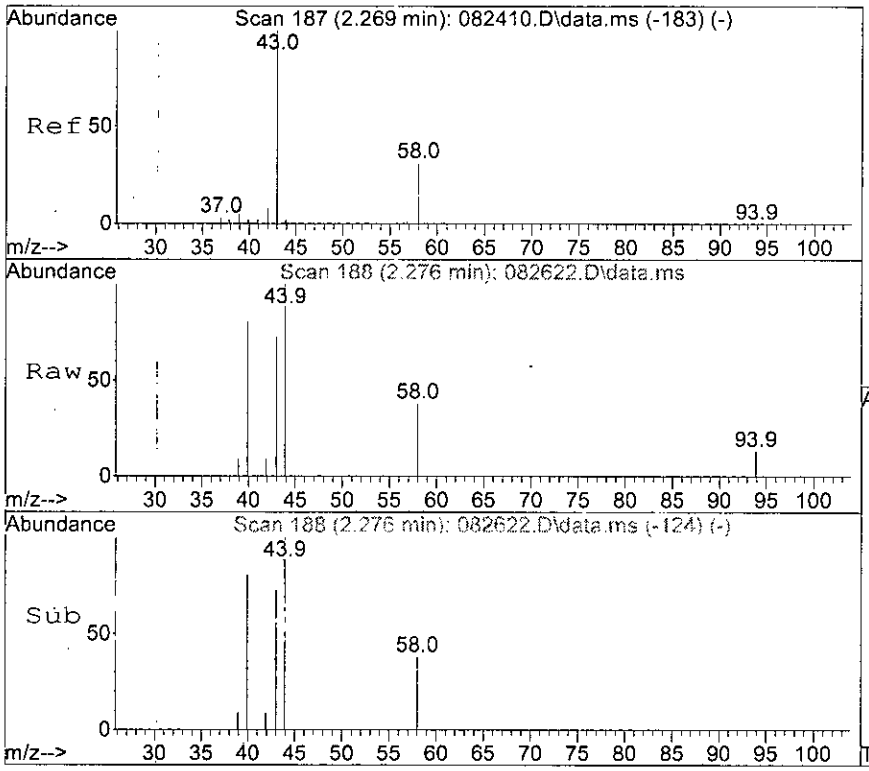
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082622.D
Acq On : 26 Aug 2022 05:19 pm
Operator : JCM
Sample : 208312-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:43:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

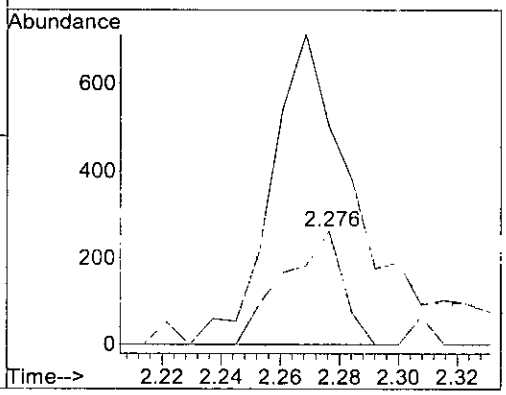


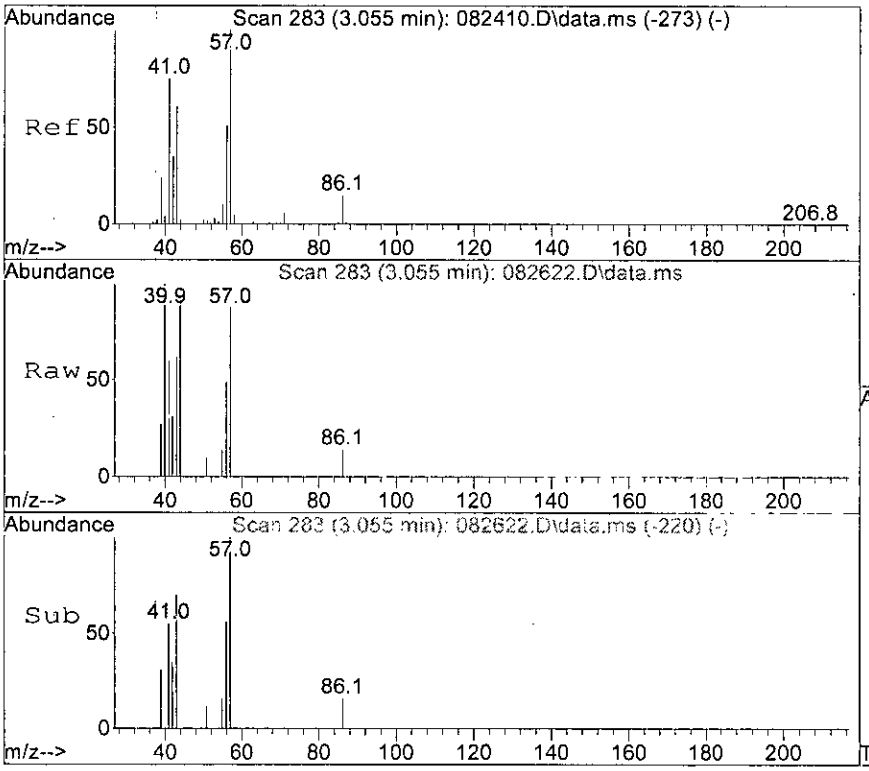


#11
Acetone
Concen: 1.146 ppb
RT: 2.28 min Scan# 188
Delta R.T. 0.015 min
Lab File: 082622.D
Acq: 26 Aug 2022 05:19 pm

Tgt Ion: 58 Resp: 367

Ion	Ratio	Lower	Upper
58	100		
43	416.6	298.5	358.5#

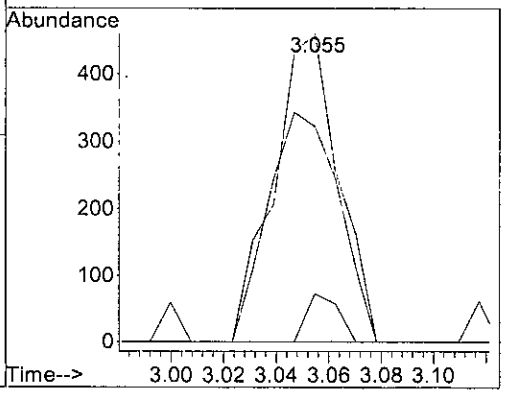


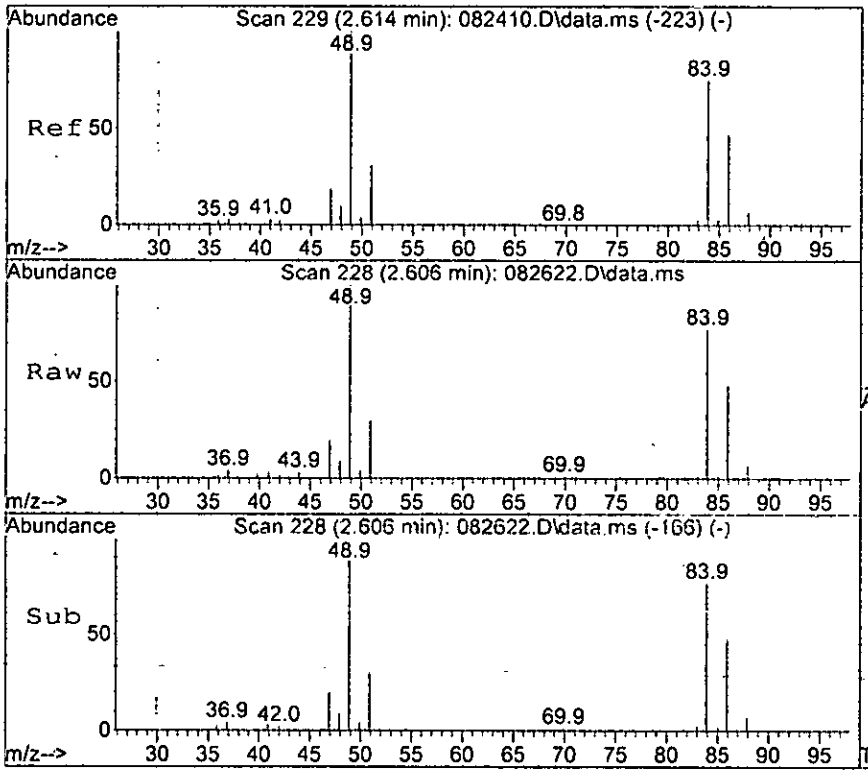


#13
Hexane
Concen: 0.273 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.008 min
Lab File: 082622.D
Acq: 26 Aug 2022 05:19 pm

Tgt Ion: 57 Resp: 784

Ion	Ratio	Lower	Upper
57	100		
43	70.0	35.4	95.4
86	15.9	0.0	45.4

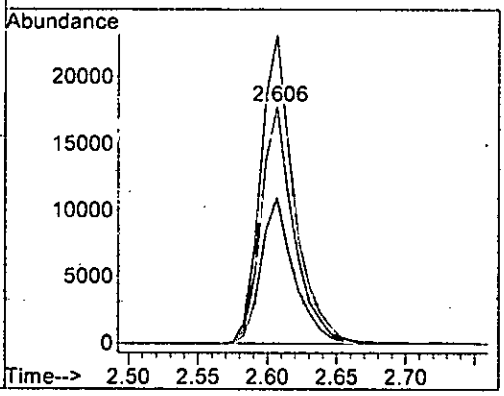


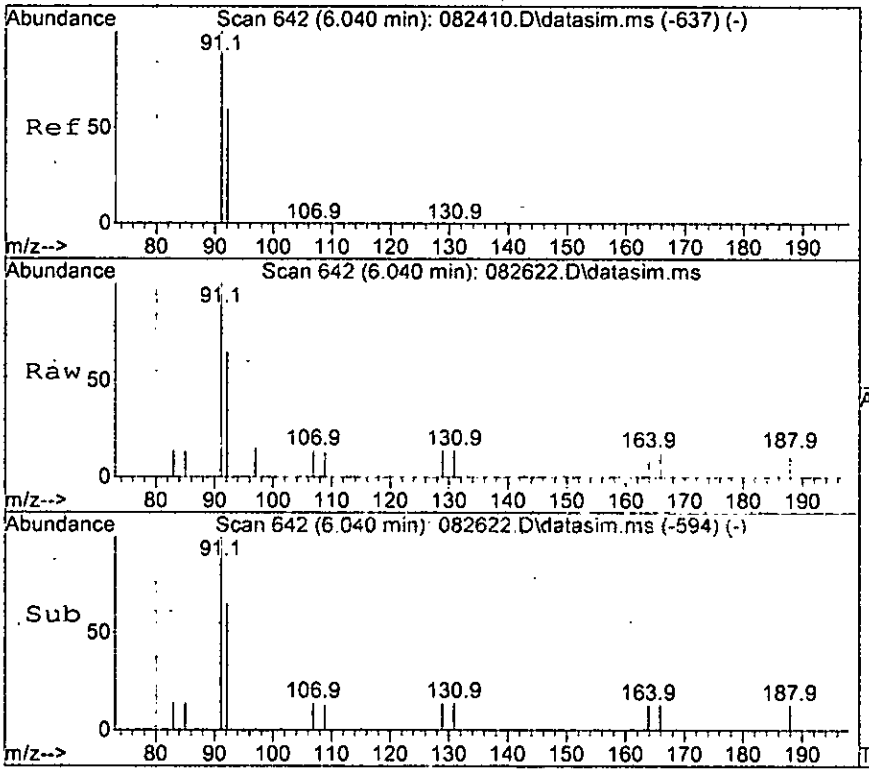


#14
Methylene chloride
Concen: 3.595 ppb
RT: 2.61 min Scan# 228
Delta R.T. -0.001 min
Lab File: 082622.D
Acq: 26 Aug 2022 05:19 pm

Tgt Ion: 84 Resp: 29405

Ion	Ratio	Lower	Upper
84	100		
86	61.8	38.7	98.7
49	130.0	114.1	174.1

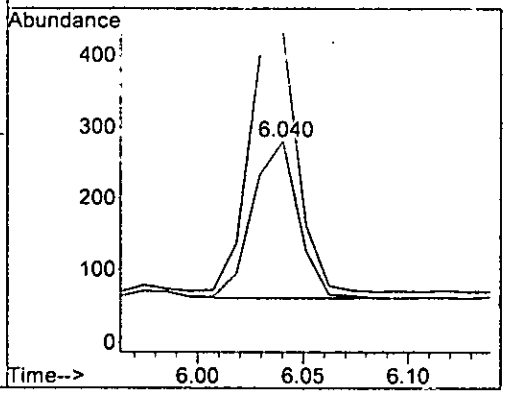


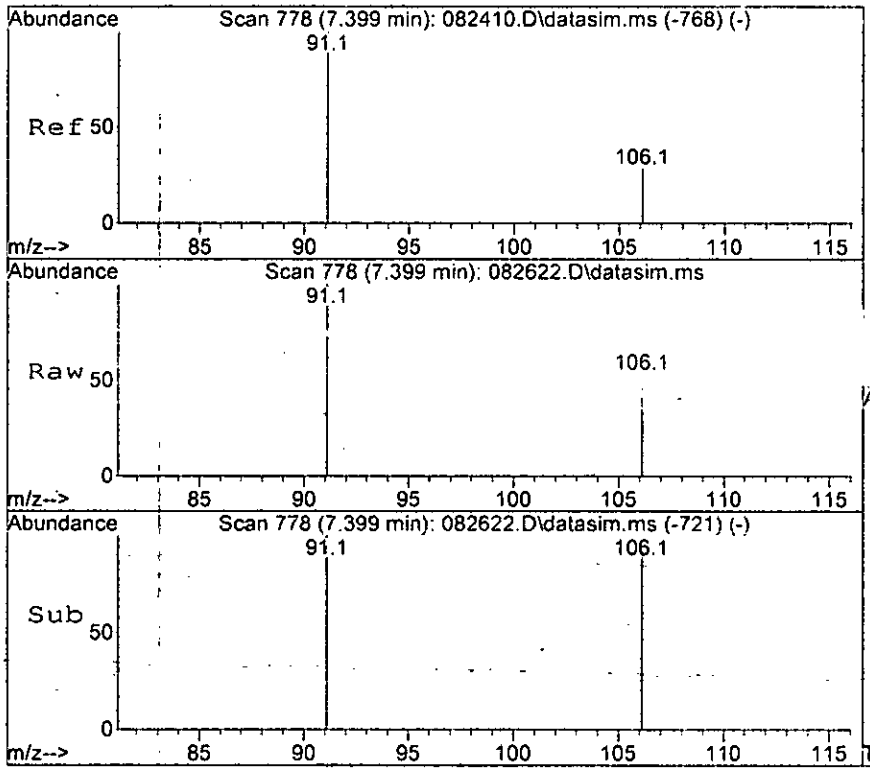


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. -0.000 min
Lab File: 082622.D
Acq: 26 Aug 2022 05:19 pm

Tgt Ion: 92 Resp: 329

Ion	Ratio	Lower	Upper
92	100		
91	164.4	147.4	207.4

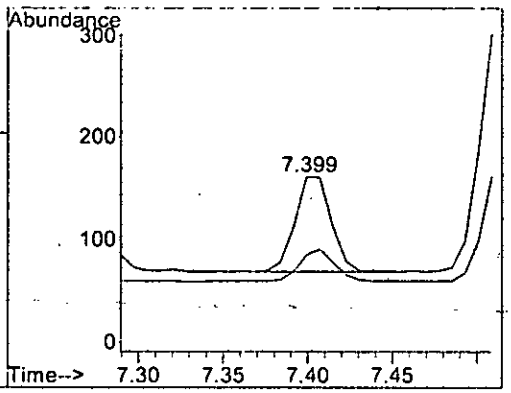


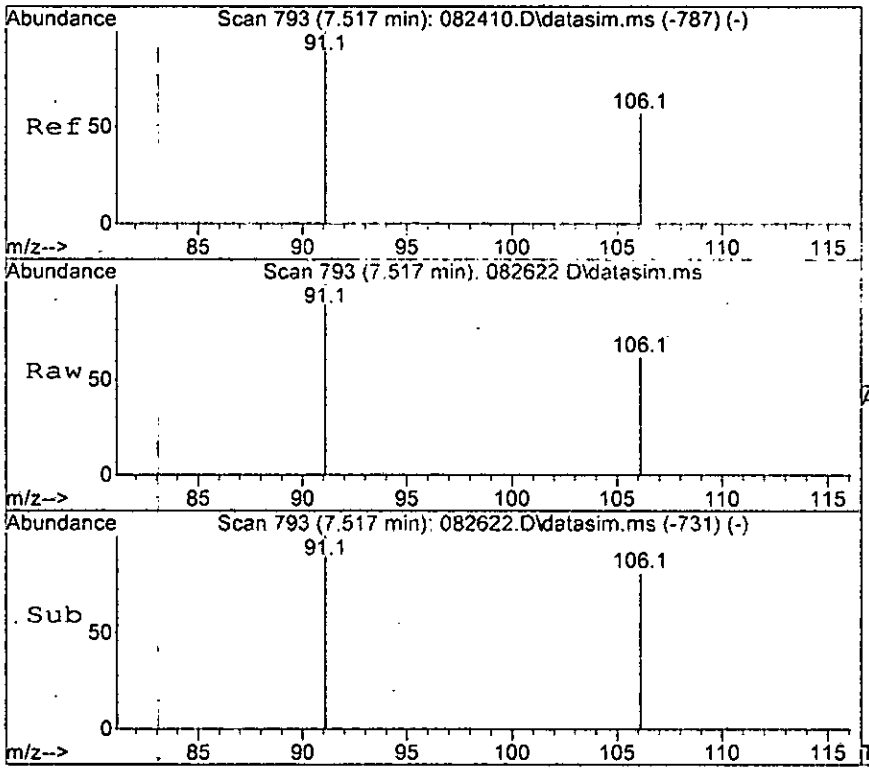


#49
Ethylbenzene
Concen: Below Cal
RT: 7.40 min Scan# 778
Delta R.T. -0.008 min
Lab File: 082622.D
Acq: 26 Aug 2022 05:19 pm

Tgt Ion: 91 Resp: 137

Ion	Ratio	Lower	Upper
91	100		
106	27.2	0.0	57.3

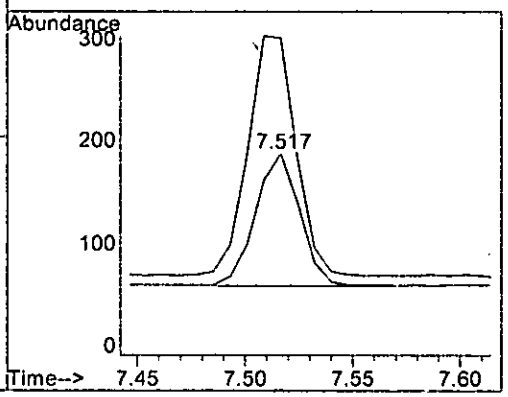




#51
m,p-Xylene
Concen: Below Cal
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 082622.D
Acq: 26 Aug 2022 05:19 pm

Tgt Ion:106 Resp: 184

Ion	Ratio	Lower	Upper
106	100		
91	181.3	148.7	208.7



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082622.D
Acq On : 26 Aug 2022 05:19 pm
Operator : JCM
Sample : 208312-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:43:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	62366	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	56636	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31514	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18063	10.002 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.00%		
30) 1,2-Dichloroethane-d4	4.36	102	4011	10.604 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 106.00%		
35) Toluene-d8	5.98	98	66461	10.307 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.10%		
57) 4-Bromofluorobenzene	8.38	95	27191	10.338 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.40%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	2932	N.D.	
6) Vinyl chloride	0.00		0	N.D. d	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	2.41	45	174	No Calib	
11) Acetone	2.28	58	367	1.146 ppb #	58
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	784	0.273 ppb	95
14) Methylene chloride	2.61	84	29405	3.595 ppb	90
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.65	77	90	Below Cal	48
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.95	83	208	N.D.	
24) 2-Butanone (MEK)	3.72	43	149	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.42	62	60	Below Cal	97
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31] Benzene	4.39	78	63	Below Cal	86
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.04	92	329	Below Cal	91
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082622.D
Acq On : 26 Aug 2022 05:19 pm
Operator : JCM
Sample : 208312-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:43:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

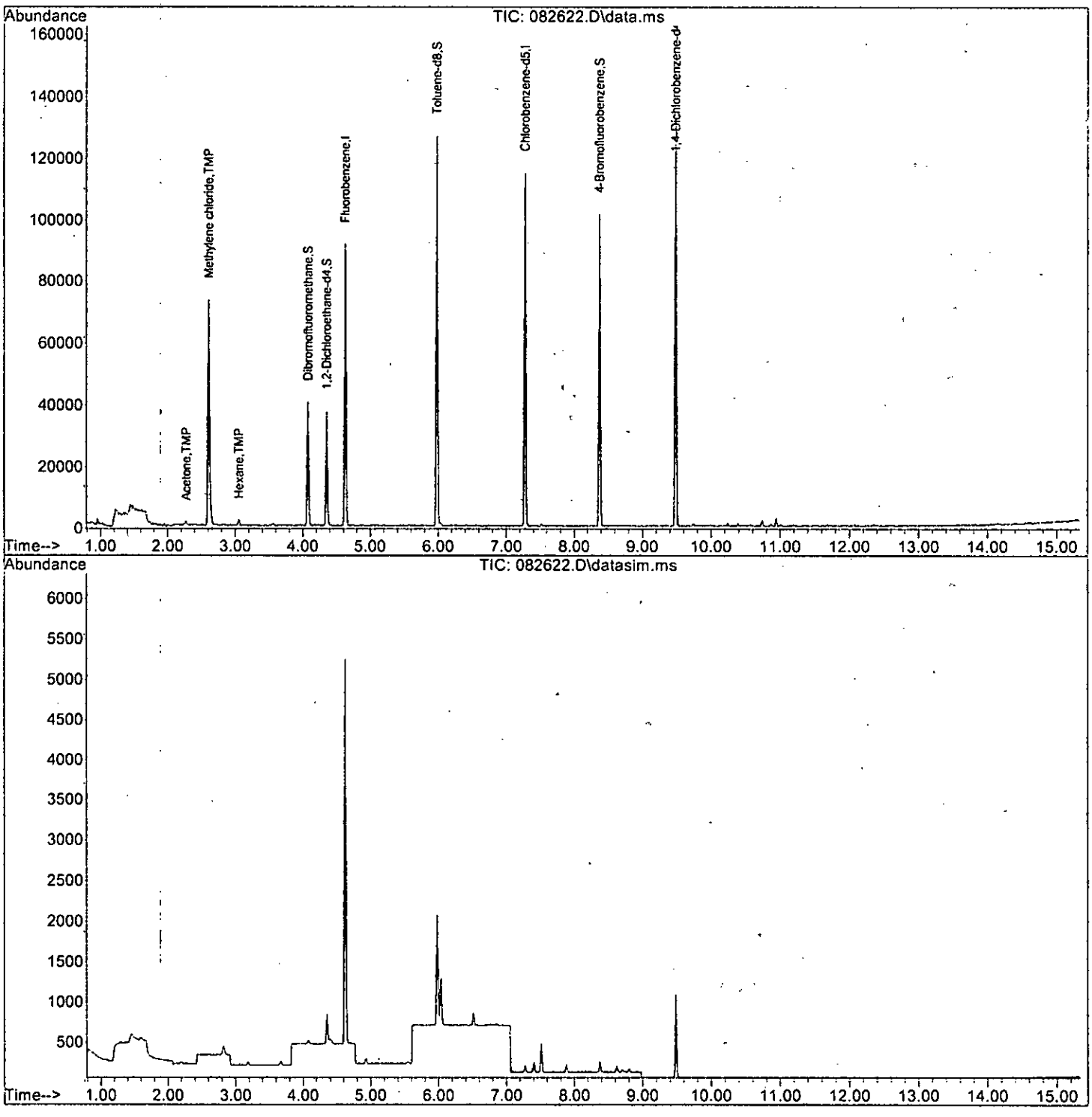
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	6.76	43	125	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.51	164	59	Below Cal		98
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49] Ethylbenzene	7.40	91	137	Below Cal		100
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.52	106	184	Below Cal		98
52) o-Xylene	0.00		0	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.62	91	83	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	8.80	105	149	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	8.62	91	83	N.D.		
64) 4-Chlorotoluene	8.80	91	84	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	9.16	105	230	N.D.		
67) sec-Butylbenzene	9.32	105	111	N.D.		
68) p-Isopropyltoluene	9.67	119	107	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.68	128	112	N.D.		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082622.D
Acq On : 26 Aug 2022 05:19 pm
Operator : JCM
Sample : 208312-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 26 17:43:30 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082623.D
Acq On : 26 Aug 2022 05:41 pm
Operator : JCM
Sample : 208312-03
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:04:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

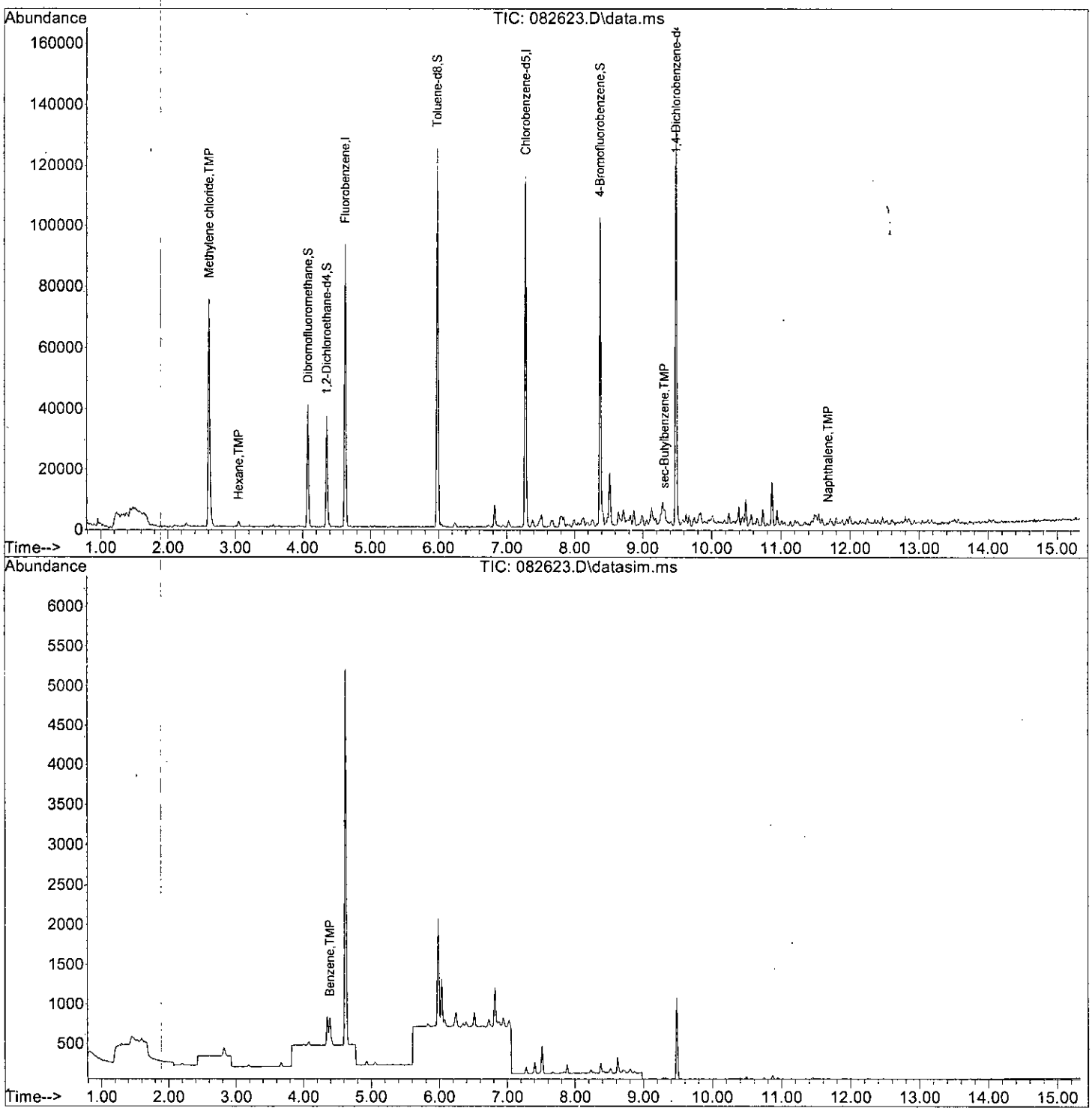
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	63286	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	56953	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32744	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18574	10.135 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%		
30) 1,2-Dichloroethane-d4	4.36	102	3588	9.348 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 93.50%		
35) Toluene-d8	5.98	98	65664	10.035 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 100.40%		
57) 4-Bromofluorobenzene	8.38	95	27255	9.973 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.70%		
Target Compounds					Qvalue
13) Hexane	3.05	57	807	0.277 ppb	96
14) Methylene chloride	2.61	84	28865	3.078 ppb	94
24) 2-Butanone (MEK)	3.71	43	75	Below Cal	59
26) 1,2-Dichloroethane (EDC)	4.42	62	62	Below Cal	94
31) Benzene	4.39	78	459	0.055 ppb	97
40) Toluene	6.04	92	342	Below Cal	91
49) Ethylbenzene	7.41	91	166	Below Cal	84
51) m,p-Xylene	7.52	106	169	Below Cal	95
52) o-Xylene	7.88	106	54	Below Cal	97
67) sec-Butylbenzene	9.31	105	2050	0.206 ppb	92
75) Naphthalene	11.68	128	441	0.063 ppb	61

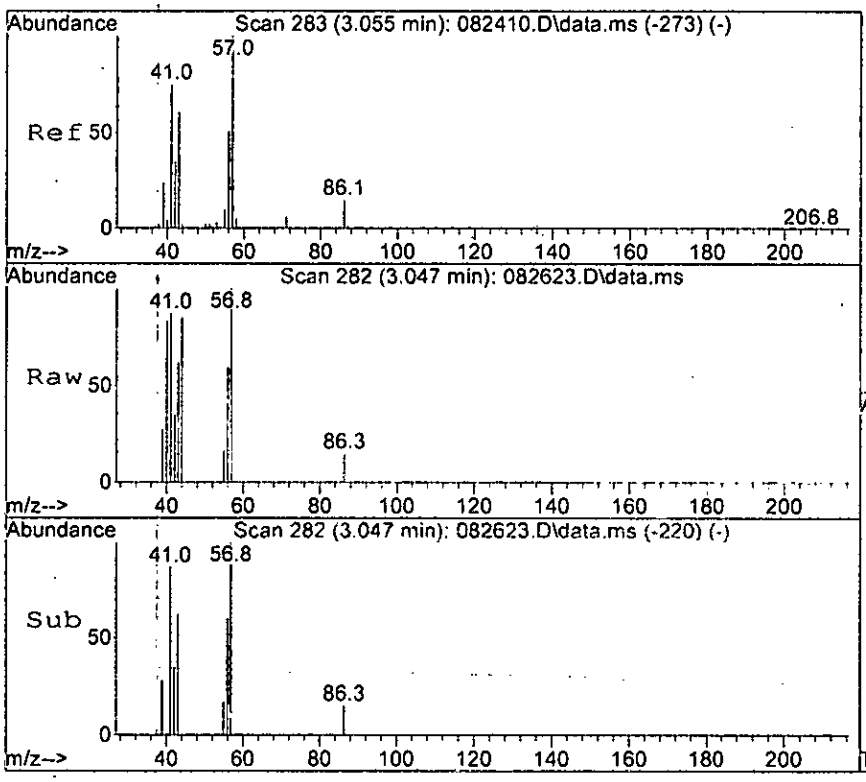
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082623.D
Acq On : 26 Aug 2022 05:41 pm
Operator : JCM
Sample : 208312-03
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:04:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

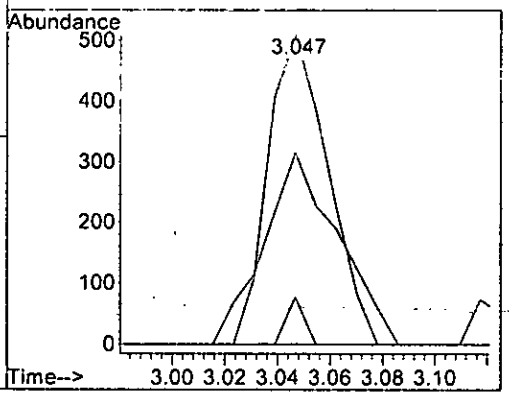


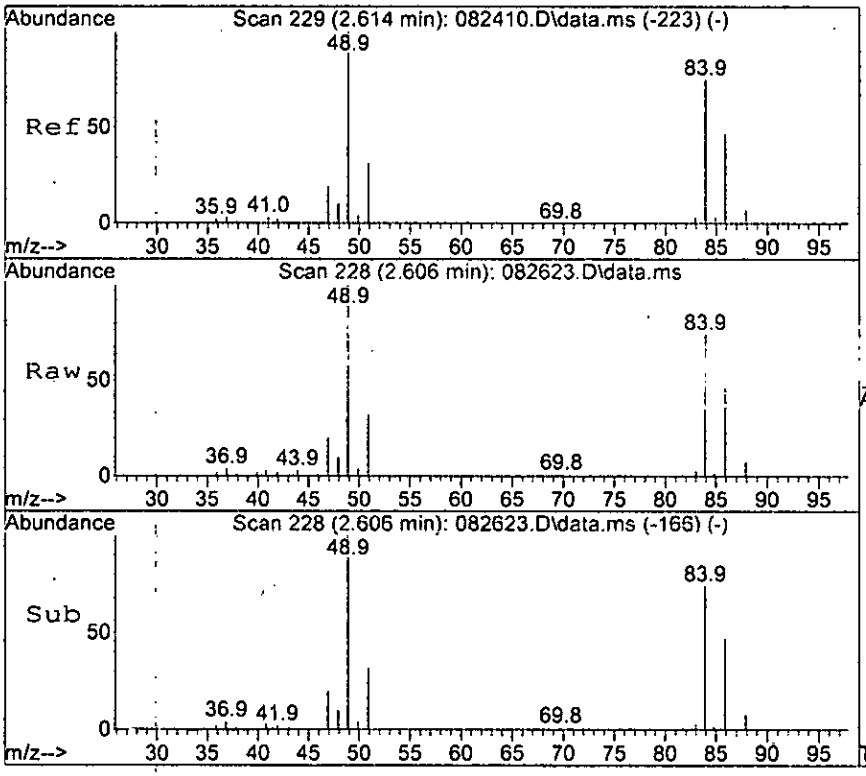


#13
Hexane
Concen: 0.277 ppb
RT: 3.05 min Scan# 282
Delta R.T. -0.000 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion: 57 Resp: 807

Ion	Ratio	Lower	Upper
57	100		
43	62.1	35.4	95.4
86	15.1	0.0	45.4

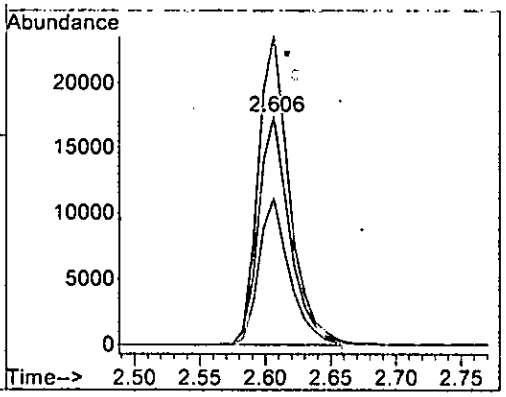


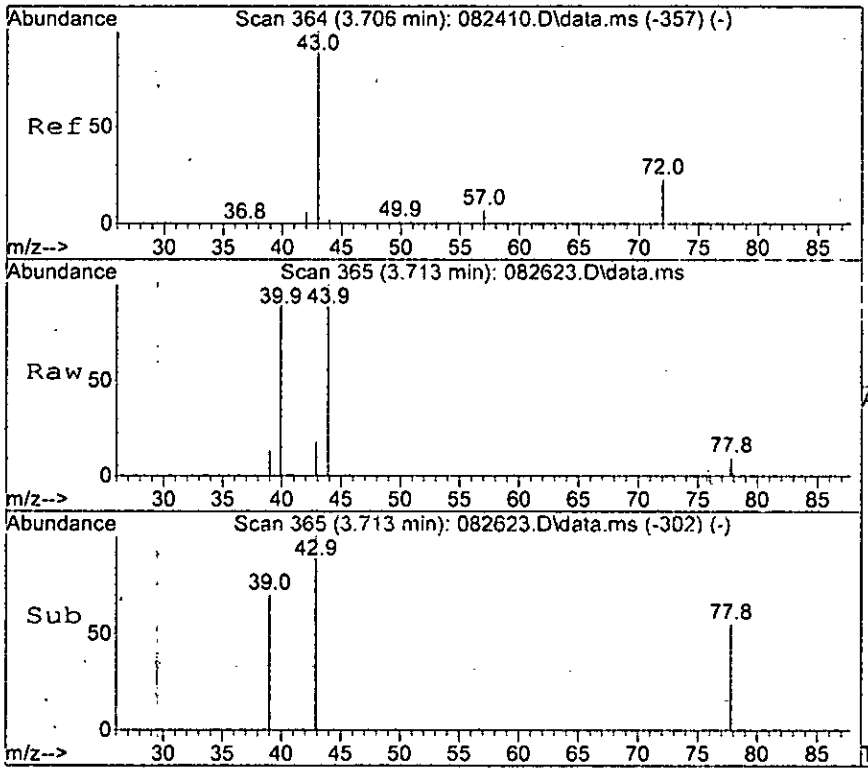


#14
Methylene chloride
Concen: 3.078 ppb
RT: 2.61 min Scan# 228
Delta R.T. -0.001 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion: 84 Resp: 28865

Ion	Ratio	Lower	Upper
84	100		
86	64.1	38.7	98.7
49	135.9	114.1	174.1

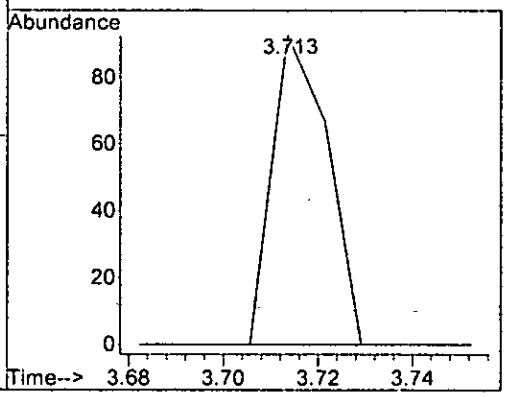


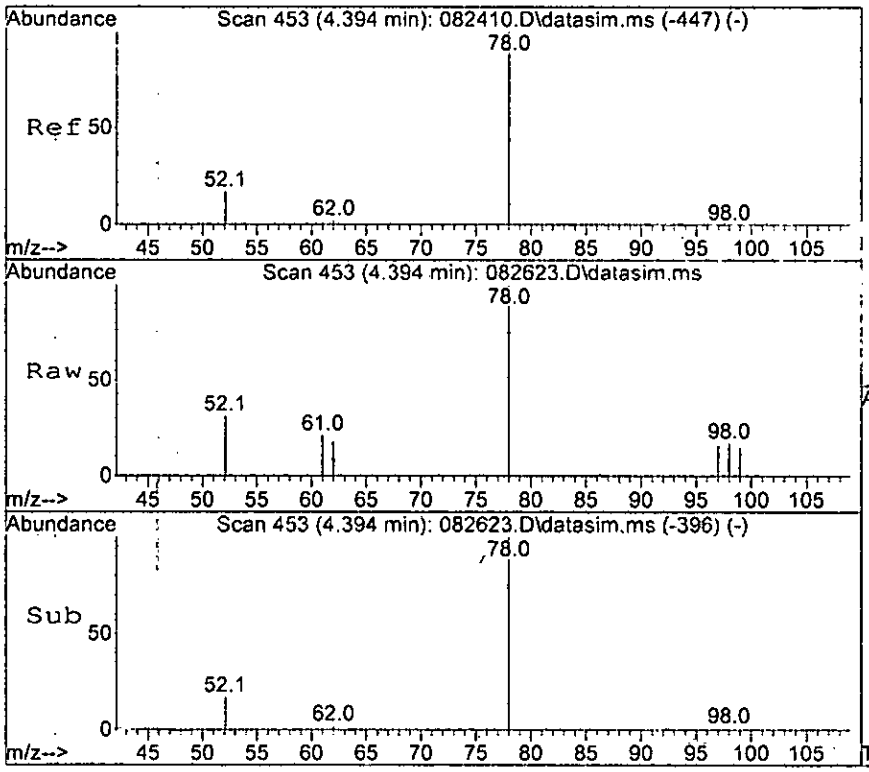


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.71 min Scan# 365
Delta R.T. 0.008 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion: 43 Resp: 75

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

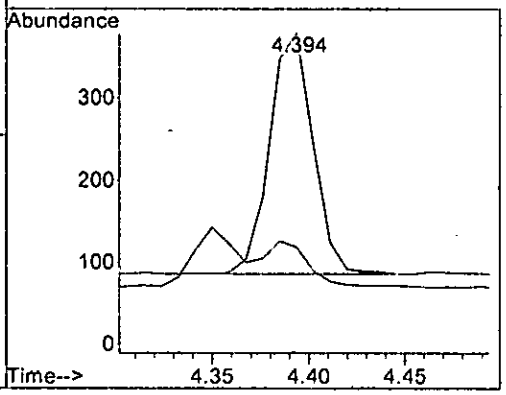


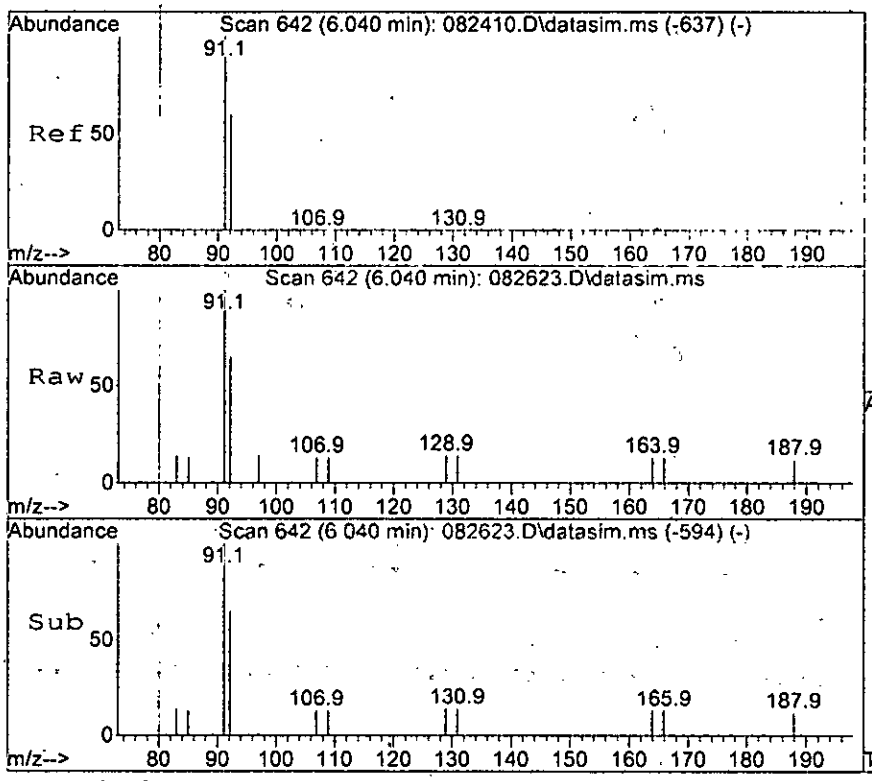


#31
Benzene
Concen: 0.055 ppb
RT: 4.39 min Scan# 453
Delta R.T. -0.000 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion: 78 Resp: 459

Ion	Ratio	Lower	Upper
78	100		
52	16.0	0.0	47.5

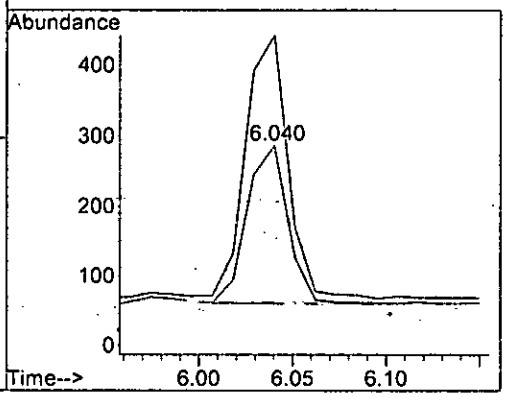


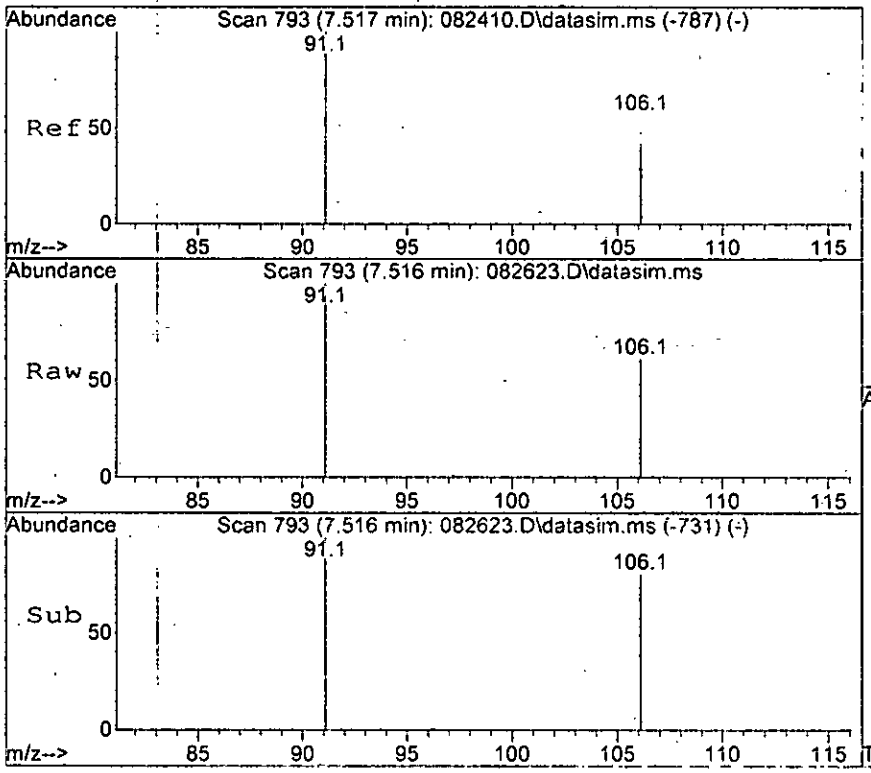


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. -0.000 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion: 92 Resp: 342

Ion	Ratio	Lower	Upper
92	100		
91	164.6	147.4	207.4

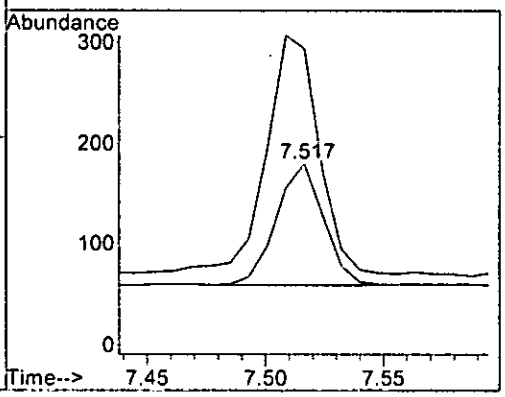


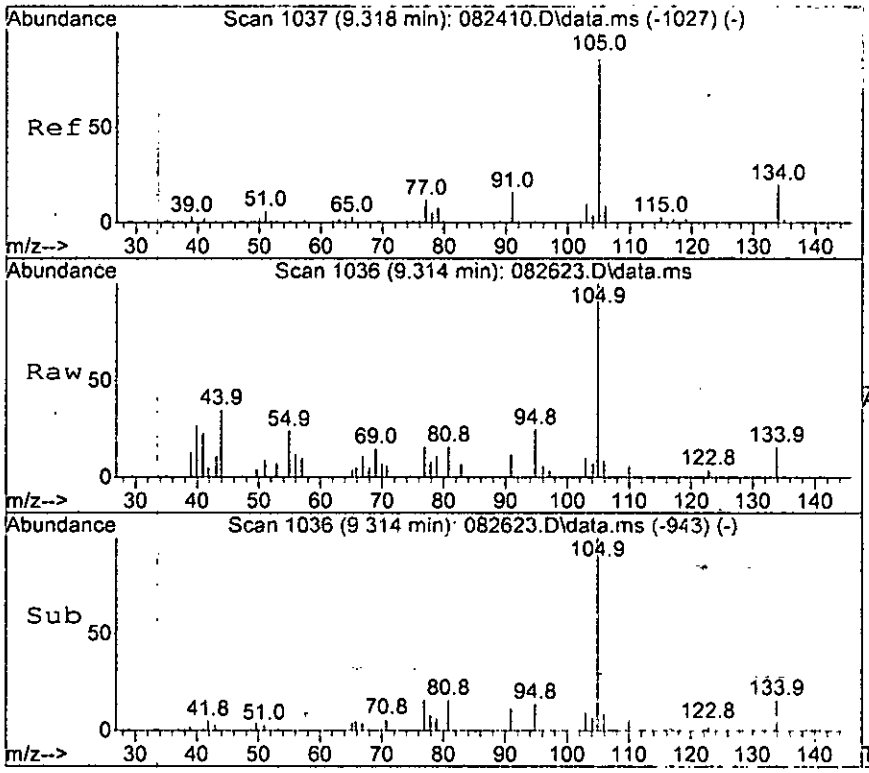


#51
m,p-Xylene
Concen: Below Cal
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion:106 Resp: 169

Ion	Ratio	Lower	Upper
106	100		
91	185.1	148.7	208.7

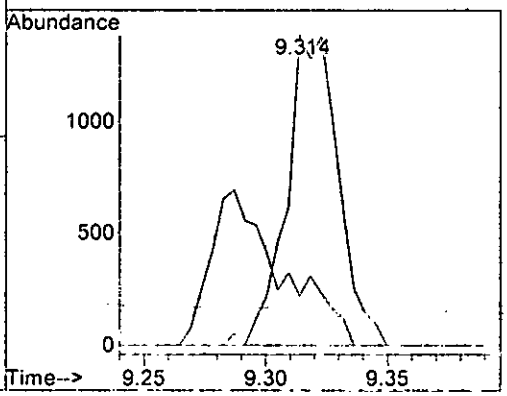


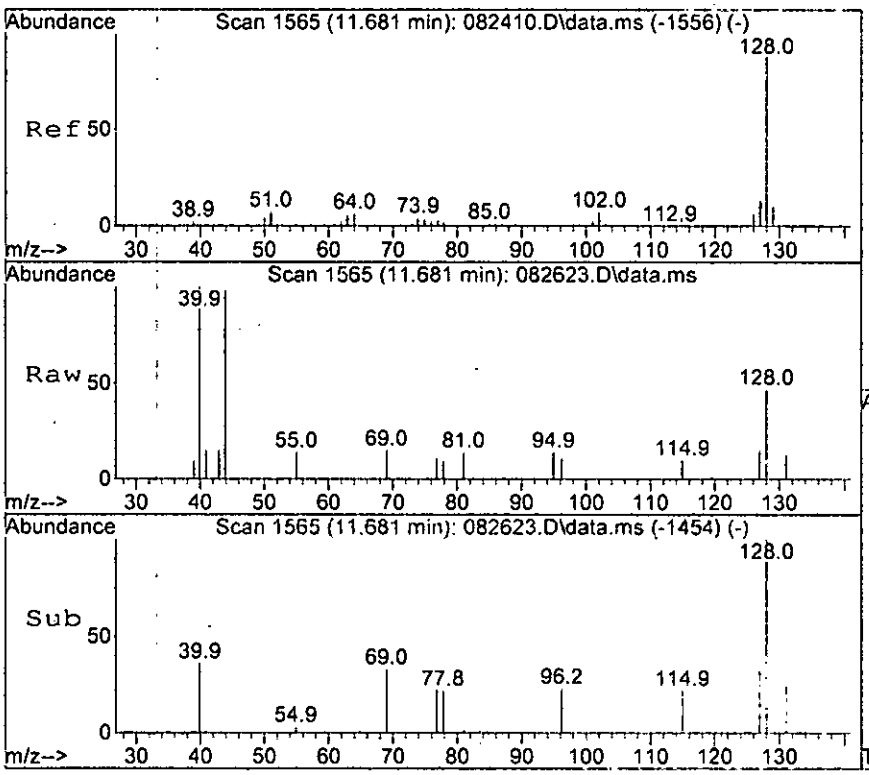


#67
sec-Butylbenzene
Concen: 0.206 ppb
RT: 9.31 min Scan# 1036
Delta R.T. -0.005 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion:105 Resp: 2050

Ion	Ratio	Lower	Upper
105	100		
134	15.8	0.0	49.6

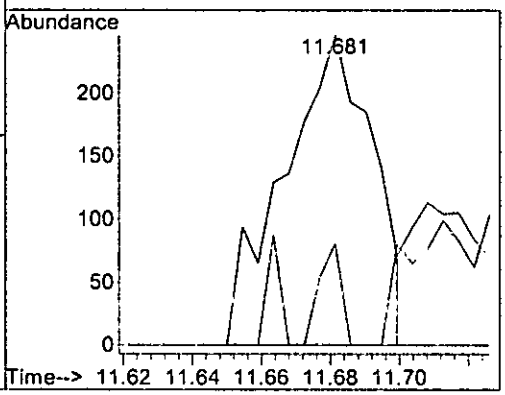




#75
Naphthalene
Concen: 0.063 ppb
RT: 11.68 min Scan# 1565
Delta R.T. -0.005 min
Lab File: 082623.D
Acq: 26 Aug 2022 05:41 pm

Tgt Ion:128 Resp: 441

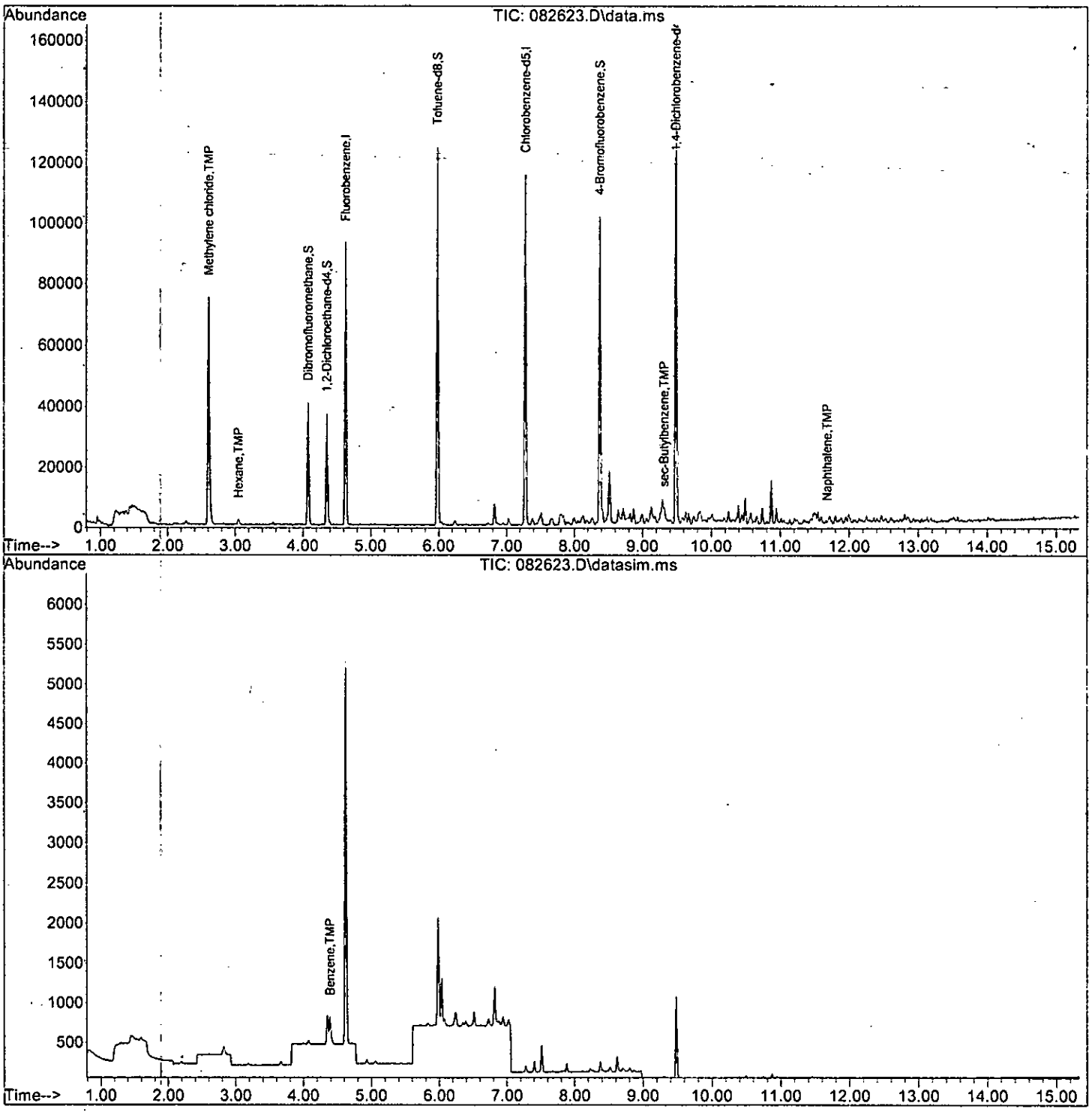
Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	32.8	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082623.D
Acq On : 26 Aug 2022 05:41 pm
Operator : JCM
Sample : 208312-03
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:04:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082623.D
Acq On : 26 Aug 2022 05:41 pm
Operator : JCM
Sample : 208312-03
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:04:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	63286	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	56953	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32744	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18574	10.135 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%		
30) 1,2-Dichloroethane-d4	4.36	102	3588	9.348 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 93.50%		
35) Toluene-d8	5.98	98	65664	10.035 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 100.40%		
57) 4-Bromofluorobenzene	8.38	95	27255	9.973 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.70%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.23	50	3312	N.D.	
6) Vinyl chloride	0.00		0	N.D.	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	1.78	101	73	N.D.	
10) 2-Propanol	2.39	45	160	No Calib	
11) Acetone	2.27	58	330	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	807	0.277 ppb	96
14) Methylene chloride	2.61	84	28865	3.078 ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.95	83	177	N.D.	
24) 2-Butanone (MEK)	3.71	43	75	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.42	62	62	Below Cal	94
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.39	78	459	0.055 ppb	97
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.04	92	342	Below Cal	91
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082623.D
Acq On : 26 Aug 2022 05:41 pm
Operator : JCM
Sample : 208312-03
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:04:52 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

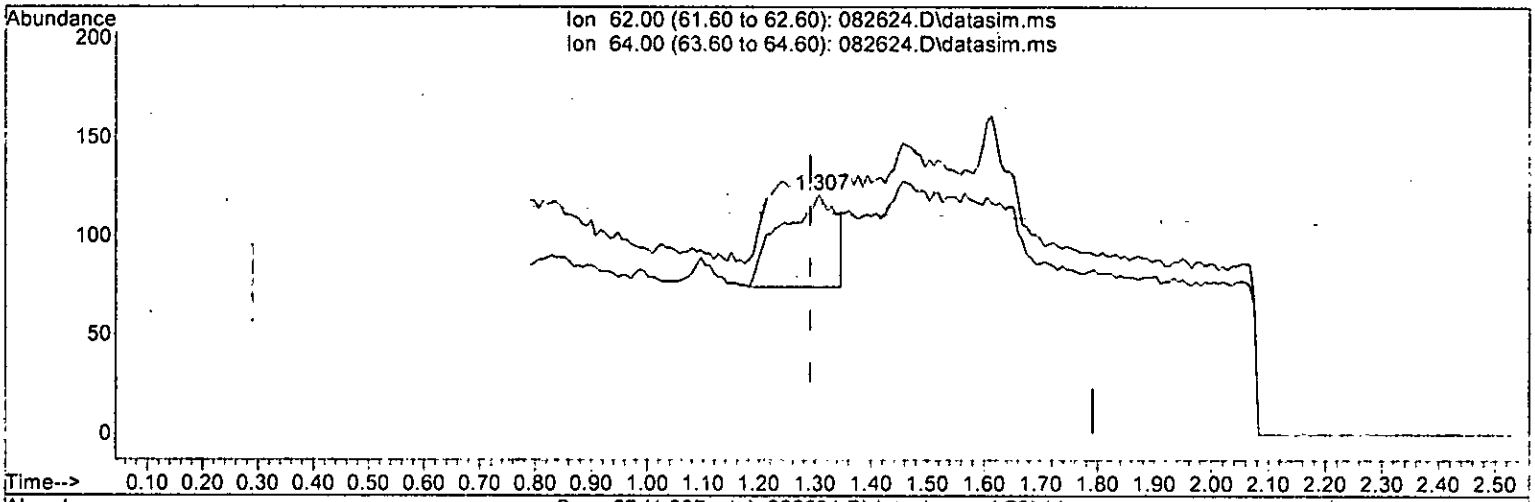
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42)	1,1,2-Trichloroethane	6.39	83	106	N.D.	
43)	2-Hexanone	0.00		0	N.D. d	
44)	1,3-Dichloropropane	0.00		0	N.D.	
45)	Tetrachloroethene	6.51	164	72	N.D.	
46)	Dibromochloromethane	0.00		0	N.D.	
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48)	Chlorobenzene	0.00		0	N.D.	
49)	Ethylbenzene	7.41	91	166	Below Cal	84
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51)	m,p-Xylene	7.52	106	169	Below Cal	95
52)	o-Xylene	7.88	106	54	Below Cal	97
53)	Styrene	0.00		0	N.D.	
54)	Isopropylbenzene	8.23	105	451	N.D.	
55)	Bromoform	0.00		0	N.D.	
58)	n-Propylbenzene	8.63	91	259	N.D.	
59)	Bromobenzene	0.00		0	N.D.	
60)	1,3,5-Trimethylbenzene	0.00		0	N.D.	
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D. d	
62)	1,2,3-Trichloropropane	0.00		0	N.D. d	
63)	2-Chlorotoluene	8.63	91	259	N.D.	
64)	4-Chlorotoluene	8.63	91	259	N.D.	
65)	tert-Butylbenzene	9.11	119	522	N.D.	
66)	1,2,4-Trimethylbenzene	9.16	105	269	N.D.	
67)	sec-Butylbenzene	9.31	105	2050	0.206 ppb	92
68)	p-Isopropyltoluene	0.00		0	N.D. d	
69)	1,3-Dichlorobenzene	0.00		0	N.D.	
70)	1,4-Dichlorobenzene	0.00		0	N.D.	
71)	1,2-Dichlorobenzene	0.00		0	N.D.	
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D. d	
73)	1,2,4-Trichlorobenzene	0.00		0	N.D.	
74)	Hexachlorobutadiene	0.00		0	N.D.	
75)	Naphthalene	11.68	128	441	0.063 ppb	61
76)	1,2,3-Trichlorobenzene	0.00		0	N.D.	

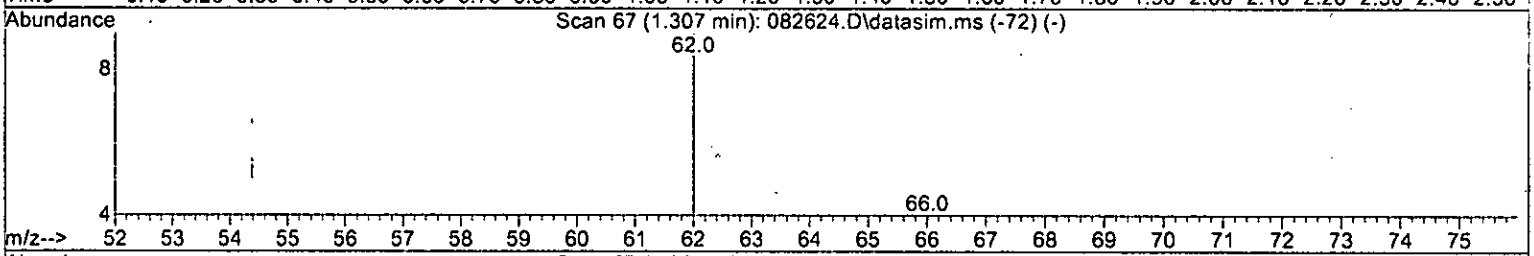
(#) = qualifier out of range (m) = manual integration (+) = signals summed

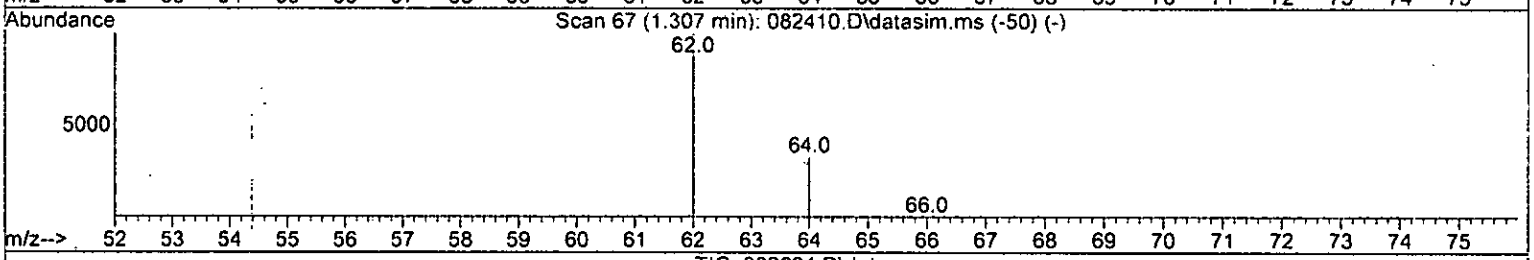
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082624.D
Acq On : 26 Aug 2022 06:04 pm
Operator : JCM
Sample : 208312-04
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 16:37:22 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082624.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (+ 0.015) 0.061 ppb

response 319

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	85.11#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082624.D
Acq On : 26 Aug 2022 06:04 pm
Operator : JCM
Sample : 208312-04
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:05:41 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

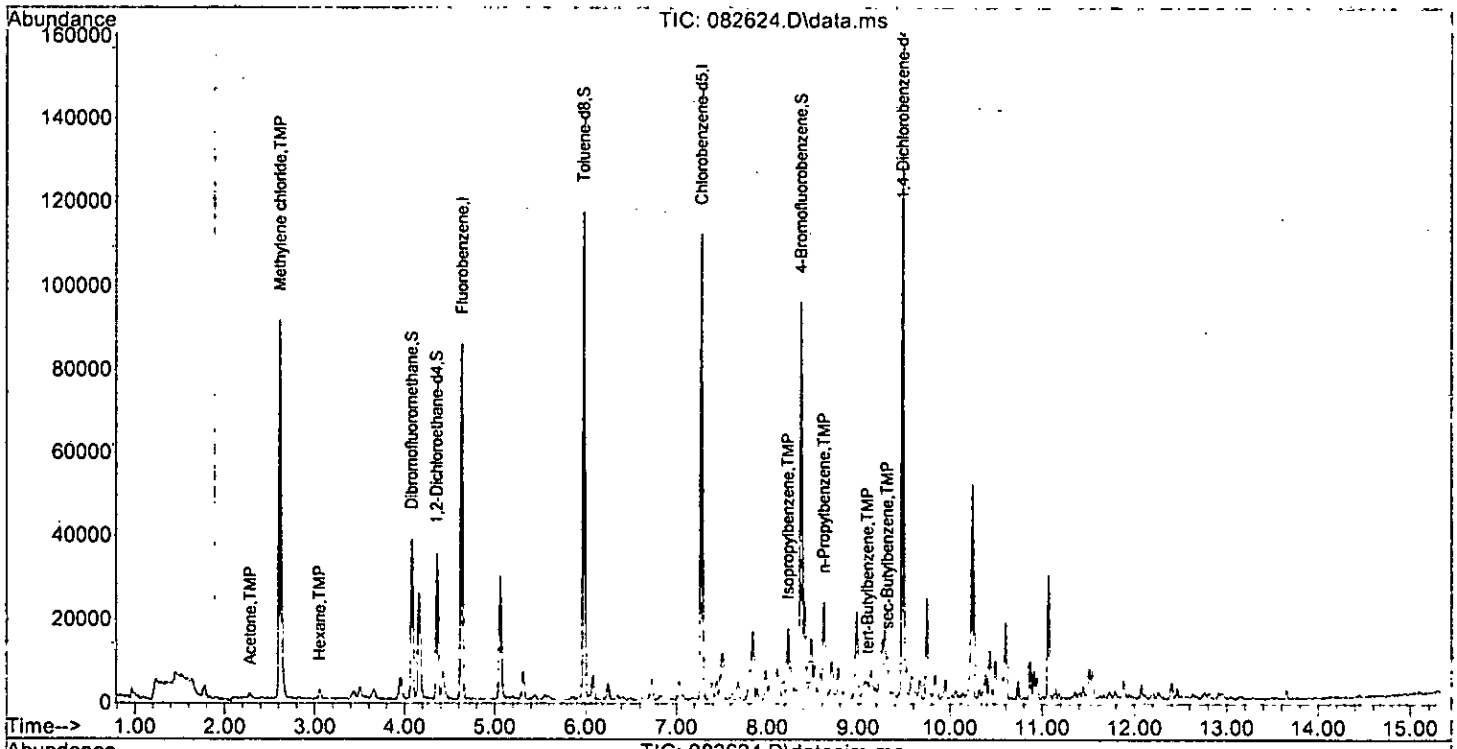
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	63662	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	53530	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30629	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	18437	10.001 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.00%		
30) 1,2-Dichloroethane-d4	4.36	102	3680	9.531 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.30%		
35) Toluene-d8	5.98	98	62706	9.527 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 95.30%		
57) 4-Bromofluorobenzene	8.38	95	26728	10.456 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.60%		
Target Compounds					Qvalue
11) Acetone	2.28	58	412	1.410 ppb #	30
13) Hexane	3.05	57	899	0.307 ppb	97
14) Methylene chloride	2.61	84	35249	6.358 ppb	94
19] 1,1-Dichloroethane	3.19	63	150	0.040 ppb	98
21) 2,2-Dichloropropane	3.64	77	70	Below Cal	48
24) 2-Butanone (MEK)	3.72	43	179	Below Cal	59
40] Toluene	6.04	92	355	Below Cal	91
45] Tetrachloroethene	6.51	164	51	Below Cal	94
51] m,p-Xylene	7.52	106	413	0.045 ppb	96
54) Isopropylbenzene	8.23	105	9628	1.126 ppb	99
58) n-Propylbenzene	8.63	91	14771	1.520 ppb	99
65) tert-Butylbenzene	9.10	119	1358	0.215 ppb	97
67) sec-Butylbenzene	9.32	105	5496	0.591 ppb	96

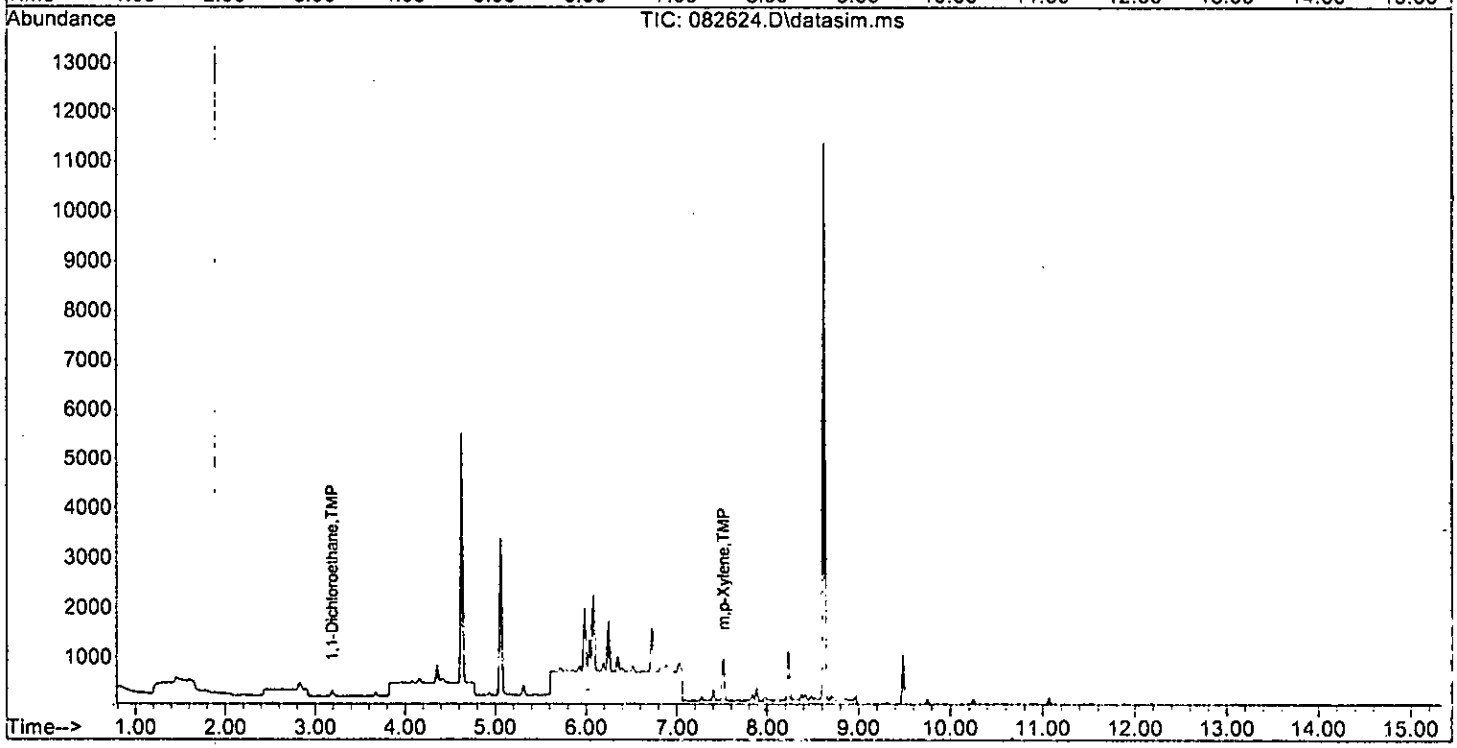
(#) = qualifier out of range (m) = manual integration (+) = signals summed

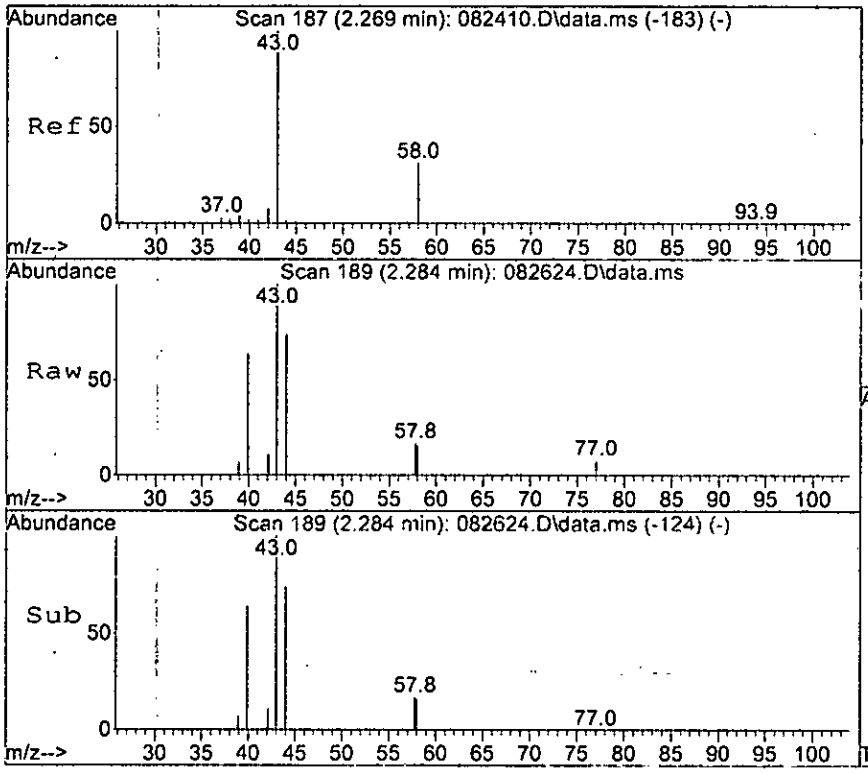
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082624.D
Acq On : 26 Aug 2022 06:04 pm
Operator : JCM
Sample : 208312-04
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:05:41 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



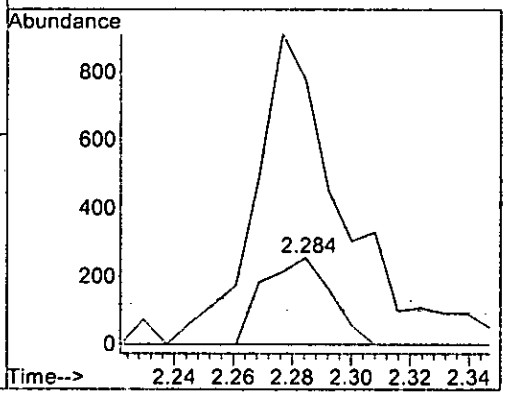


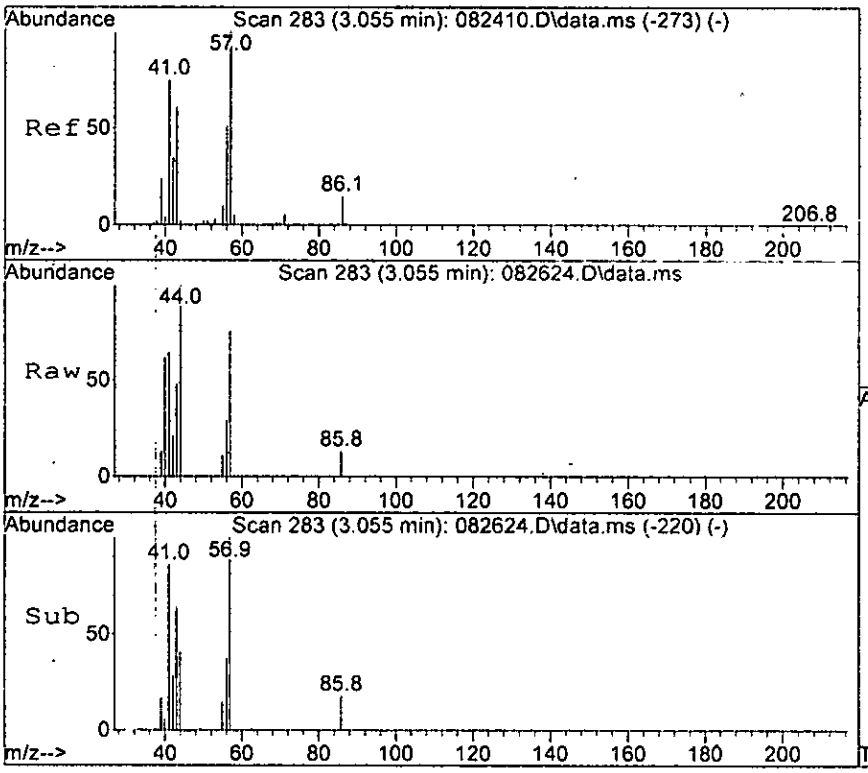


#11
Acetone
Concen: 1.410 ppb
RT: 2.28 min Scan# 189
Delta R.T. 0.023 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion: 58 Resp: 412

Ion	Ratio	Lower	Upper
58	100		
43	473.8	298.5	358.5#

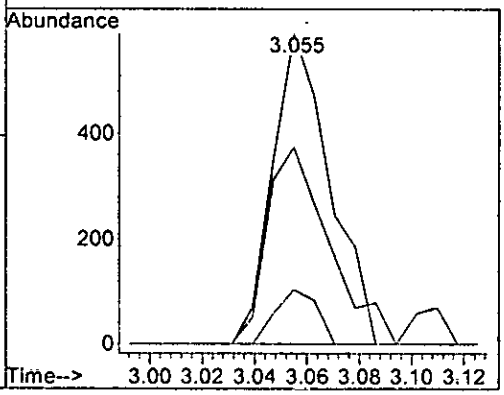


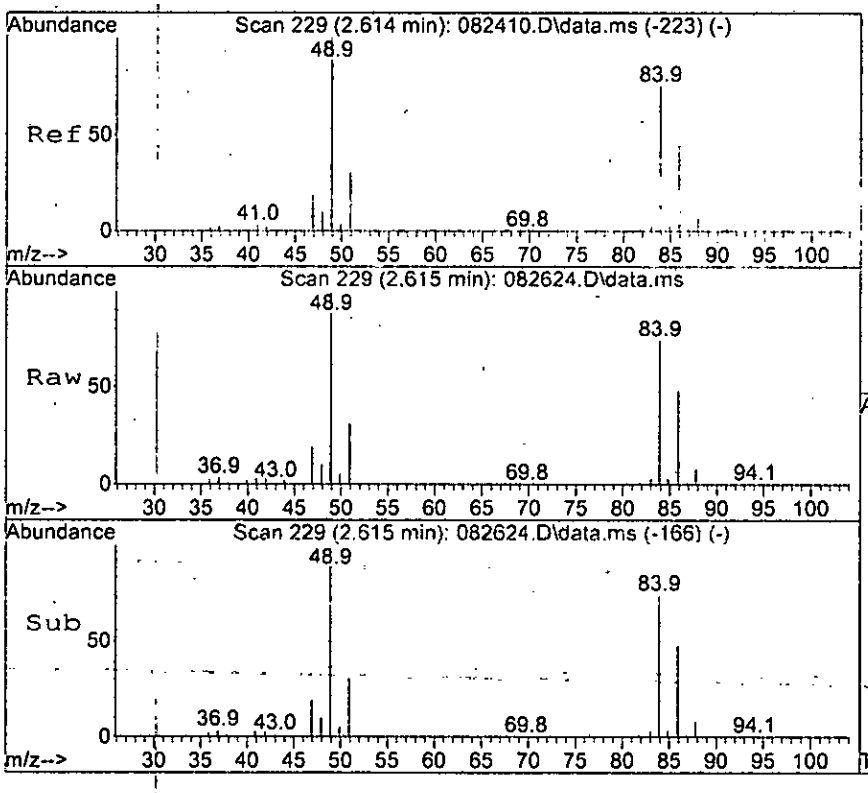


#13
Hexane
Concen: 0.307 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.008 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion: 57 Resp: 899

Ion	Ratio	Lower	Upper
57	100		
43	63.6	35.4	95.4
86	17.6	0.0	45.4

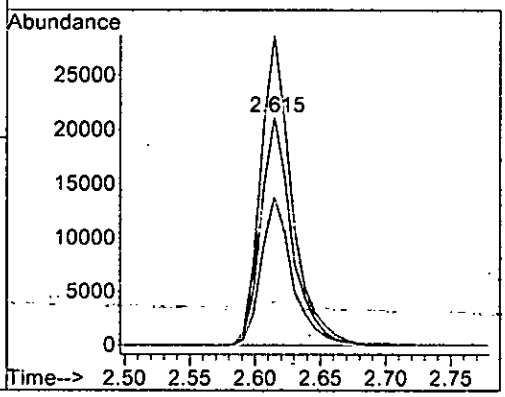


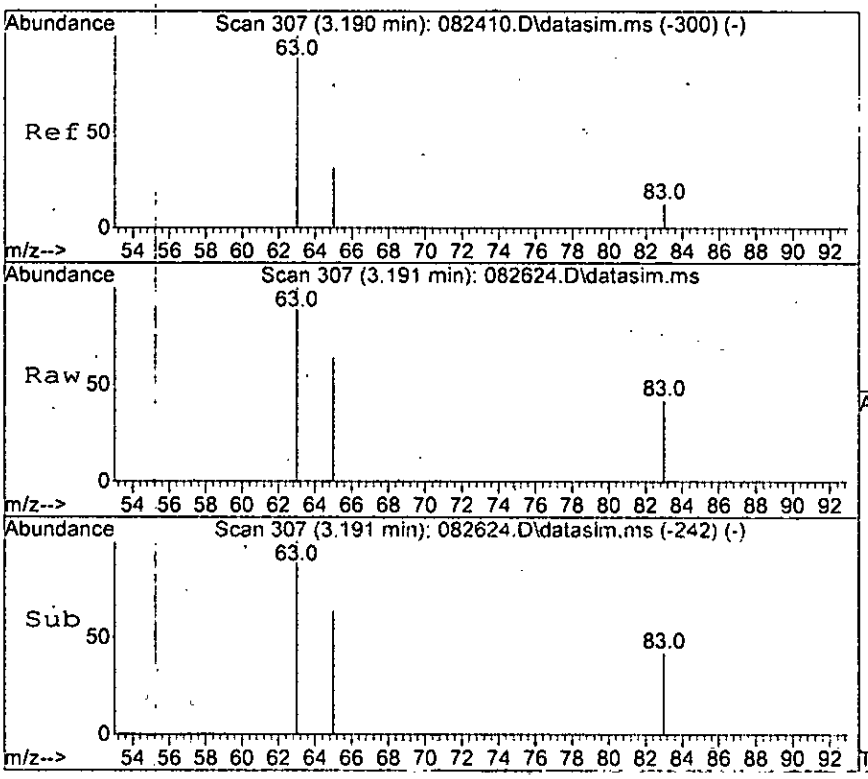


#14
Methylene chloride
Concen: 6.358 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.008 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion: 84 Resp: 35249

Ion	Ratio	Lower	Upper
84	100		
86	65.5	38.7	98.7
49	135.5	114.1	174.1

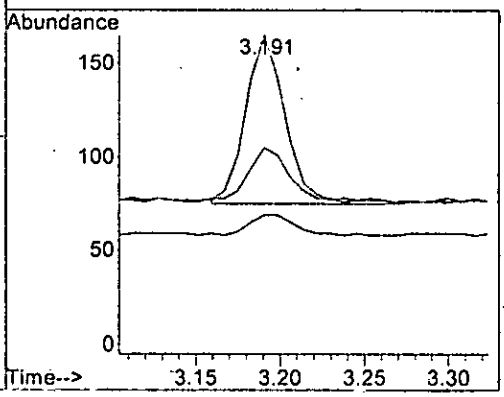


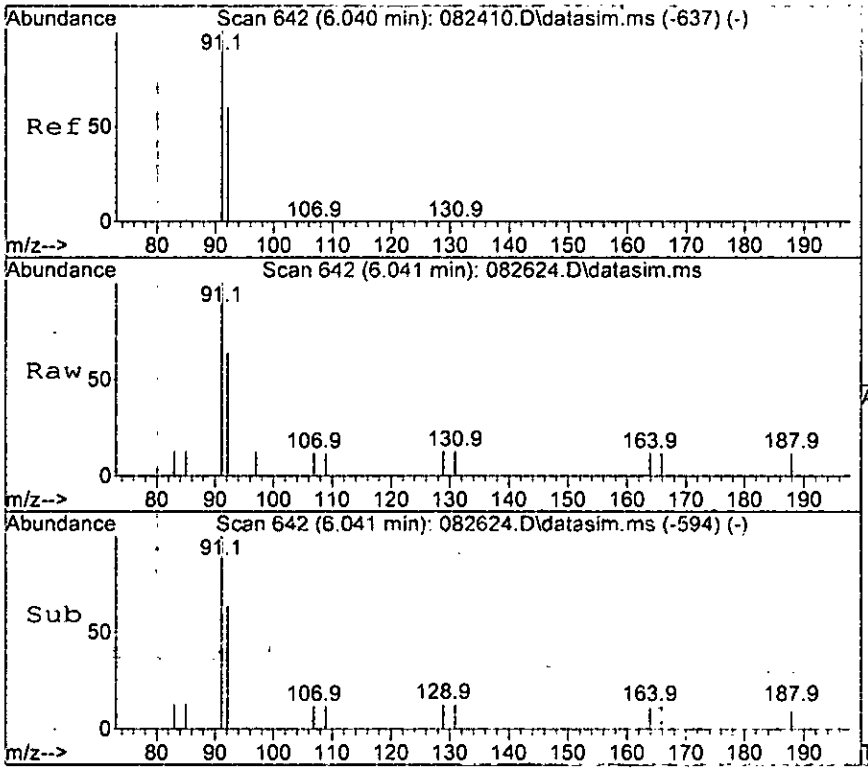


#19
1,1-Dichloroethane
Concen: 0.040 ppb
RT: 3.19 min Scan# 307
Delta R.T. 0.008 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion: 63 Resp: 150

Ion	Ratio	Lower	Upper
63	100		
65	32.2	1.1	61.1
83	12.2	0.0	42.4

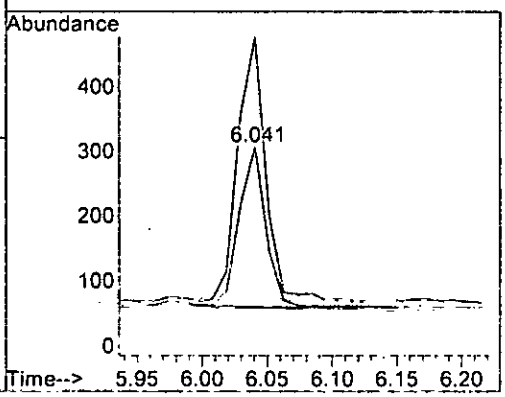


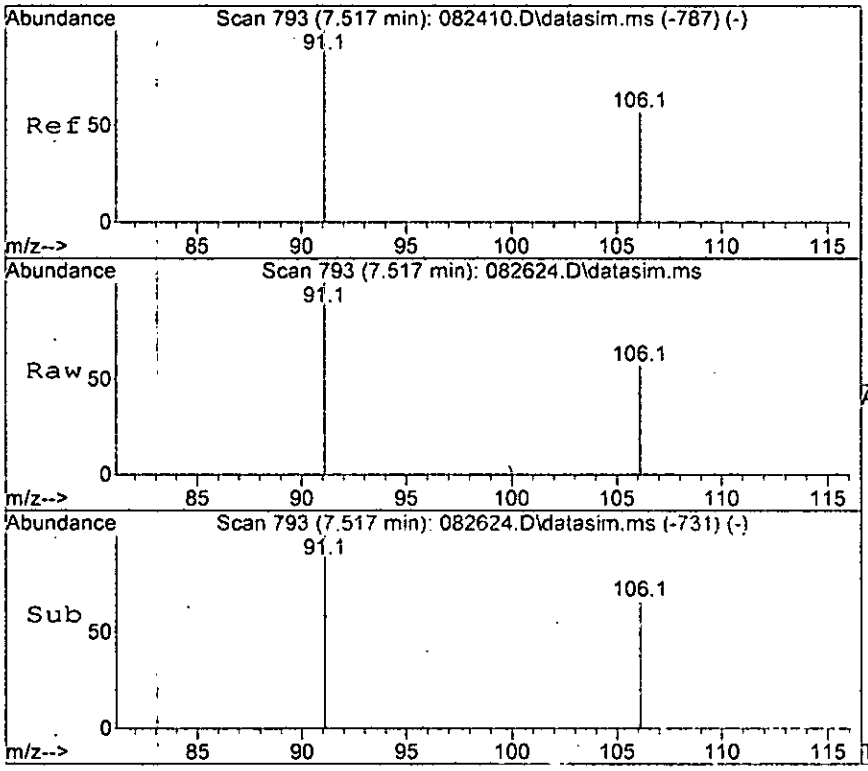


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. 0.000 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion: 92 Resp: 355

Ion	Ratio	Lower	Upper
92	100		
91	165.2	147.4	207.4

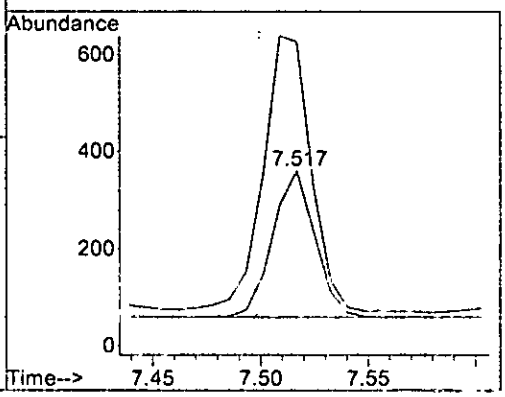


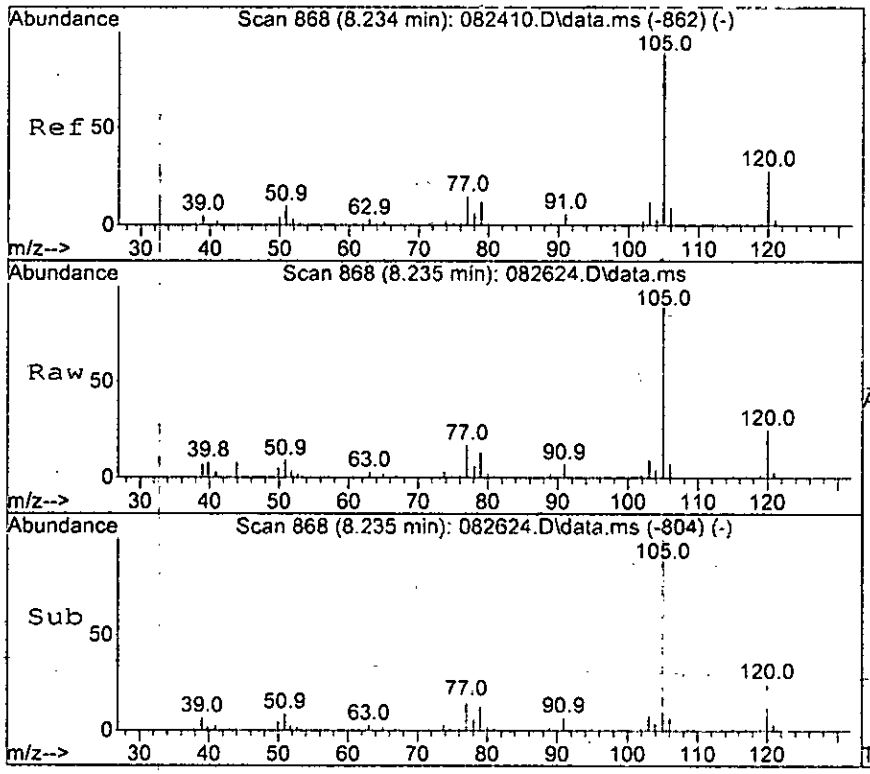


#51
m,p-Xylene
Concen: 0.045 ppb
RT: 7.52 min Scan# 793
Delta R.T. 0.000 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion:106 Resp: 413

Ion	Ratio	Lower	Upper
106	100		
91	184.7	148.7	208.7

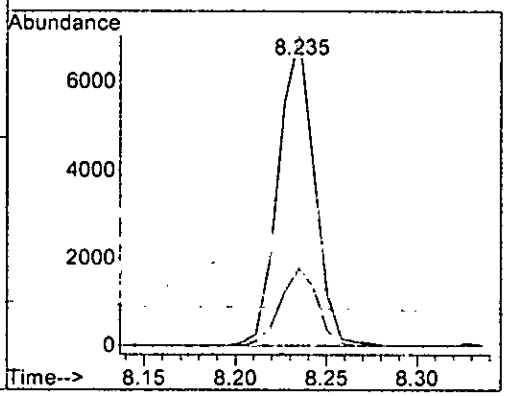


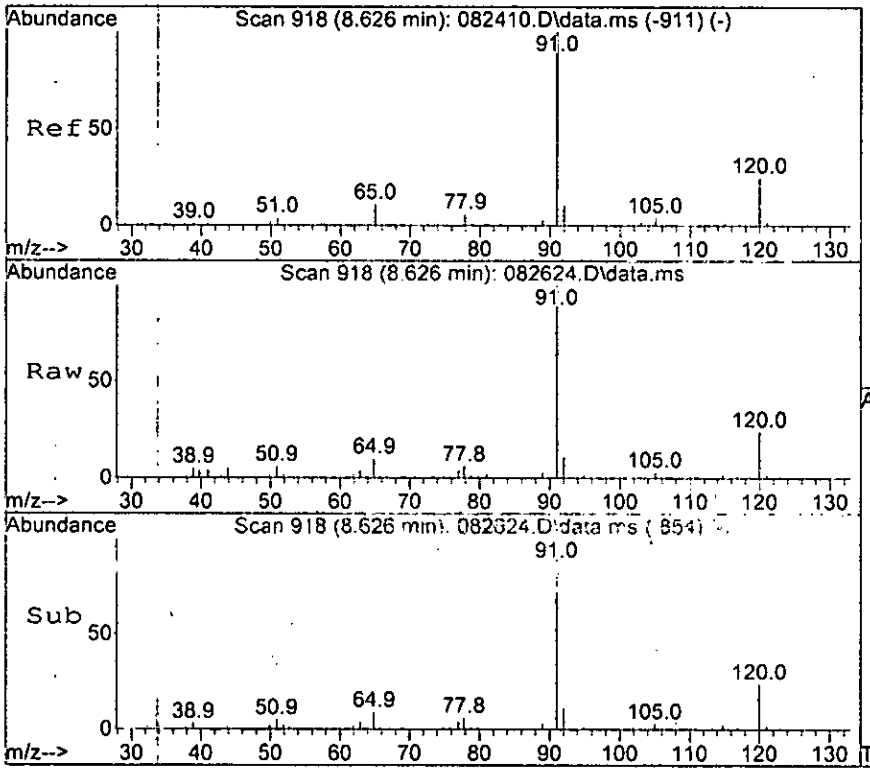


#54
Isopropylbenzene
Concen: 1.126 ppb
RT: 8.23 min Scan# 868
Delta R.T. 0.000 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion:105 Resp: 9628

Ion	Ratio	Lower	Upper
105	100		
120	25.1	0.0	55.6

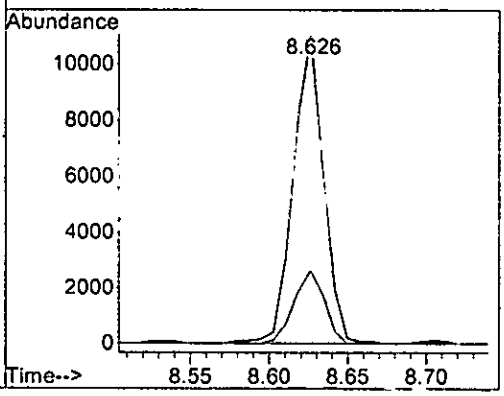


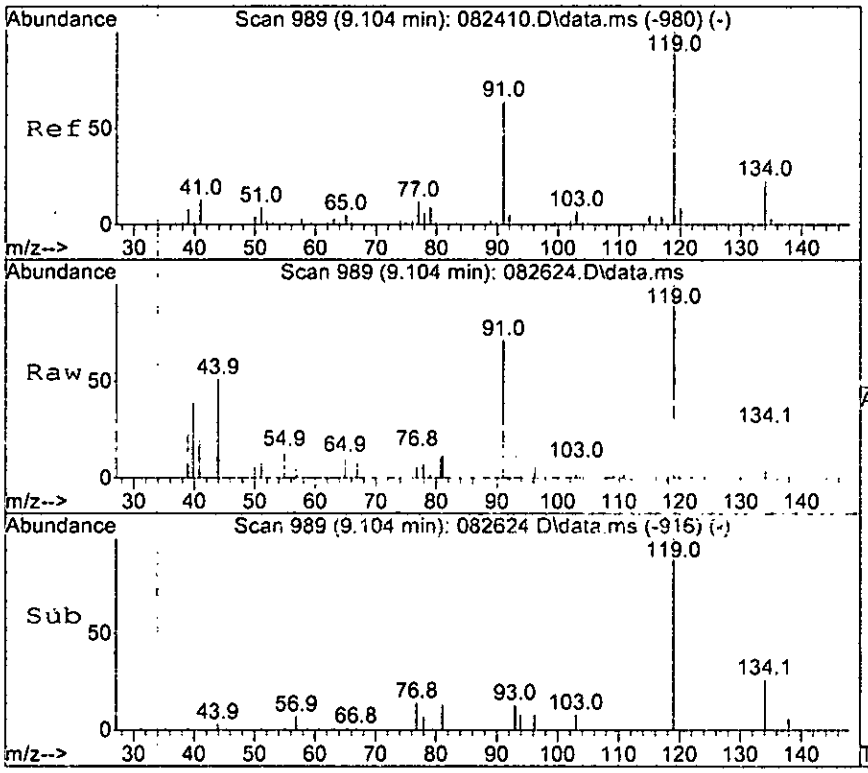


#58
n-Propylbenzene
Concen: 1.520 ppb
RT: 8.63 min Scan# 918
Delta R.T. 0.000 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion: 91 Resp: 14771

Ion	Ratio	Lower	Upper
91	100		
120	23.8	0.0	53.2

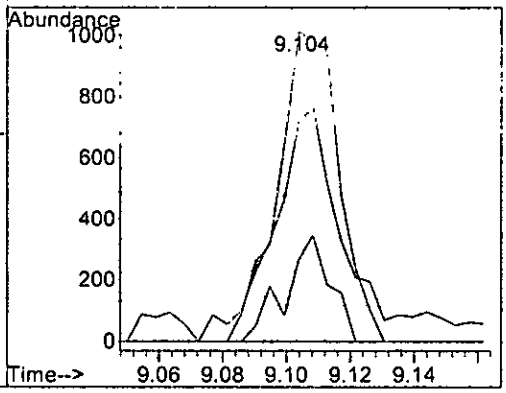


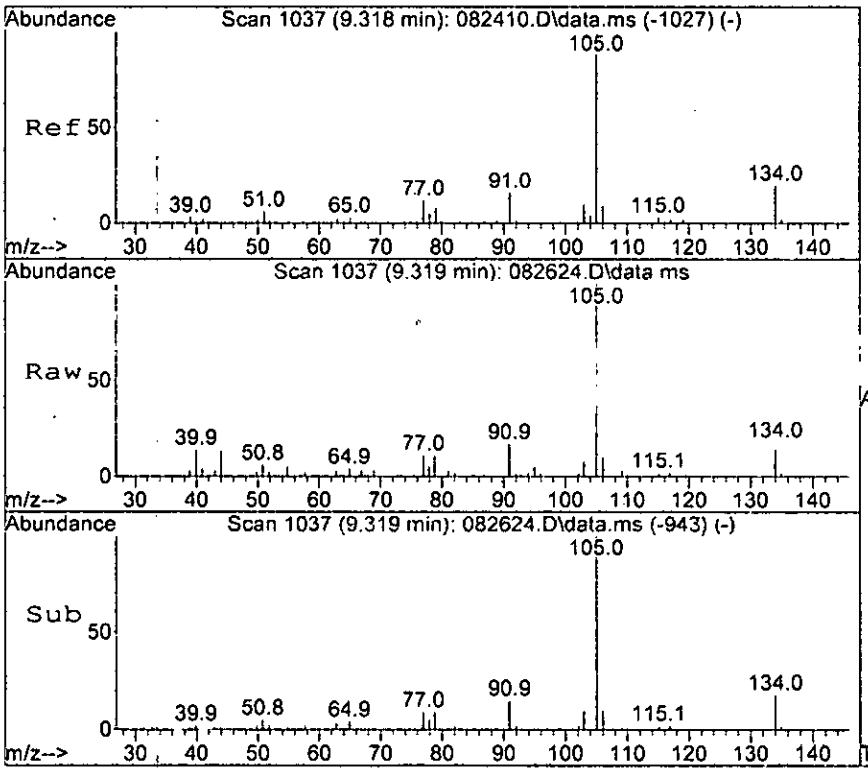


#65
tert-Butylbenzene
Concen: 0.215 ppb
RT: 9.10 min Scan# 989
Delta R.T. -0.004 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion:119 Resp: 1358

Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.7	91.7
134	26.1	0.0	51.6

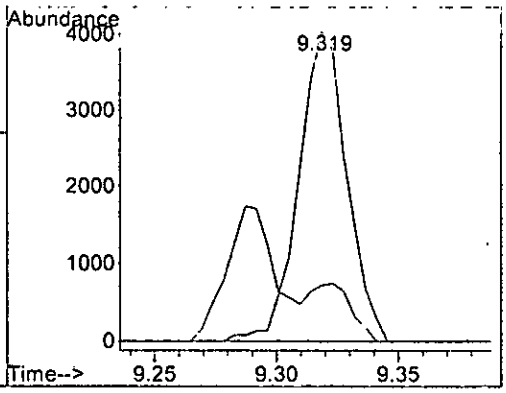




#67
sec-Butylbenzene
Concen: 0.591 ppb
RT: 9.32 min Scan# 1037
Delta R.T. 0.000 min
Lab File: 082624.D
Acq: 26 Aug 2022 06:04 pm

Tgt Ion:105 Resp: 5496

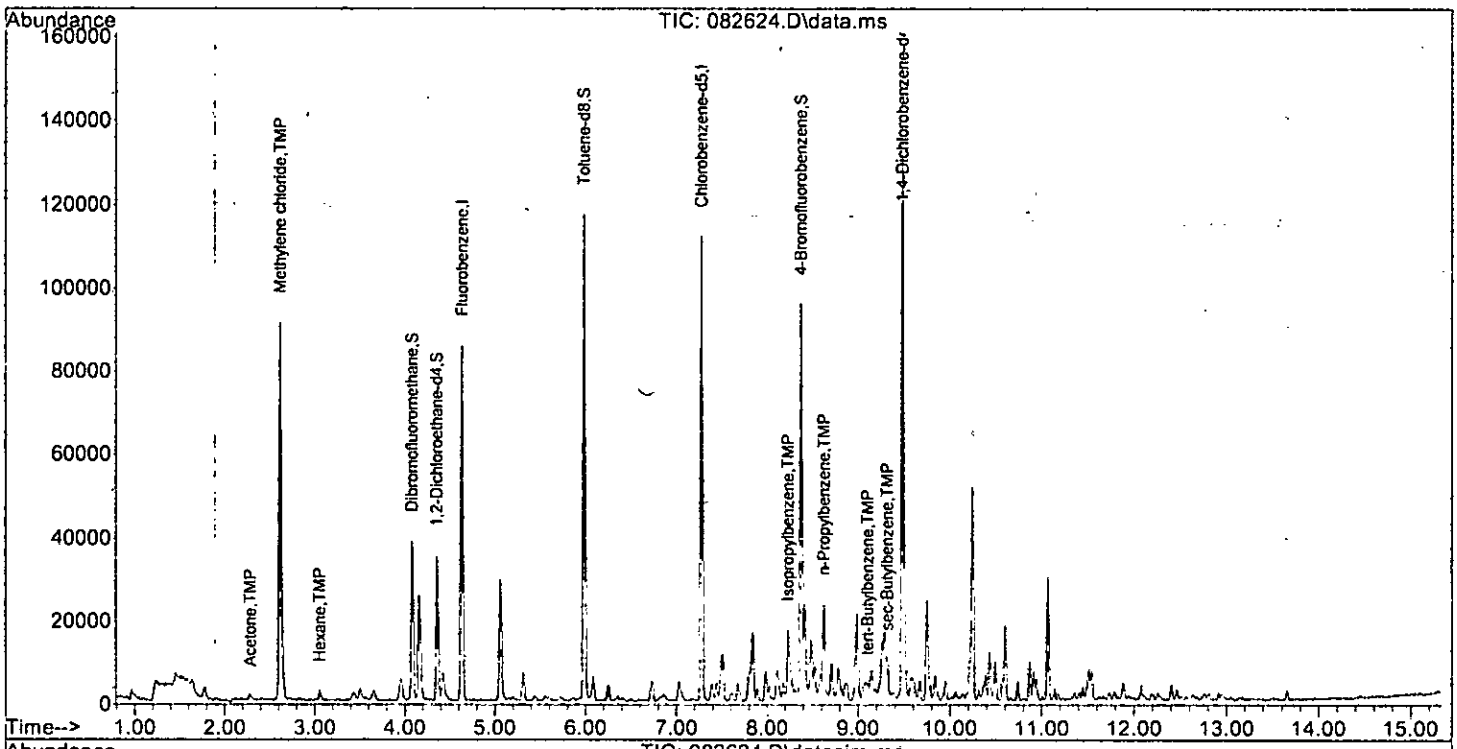
Ion	Ratio	Lower	Upper
105	100		
134	17.9	0.0	49.6

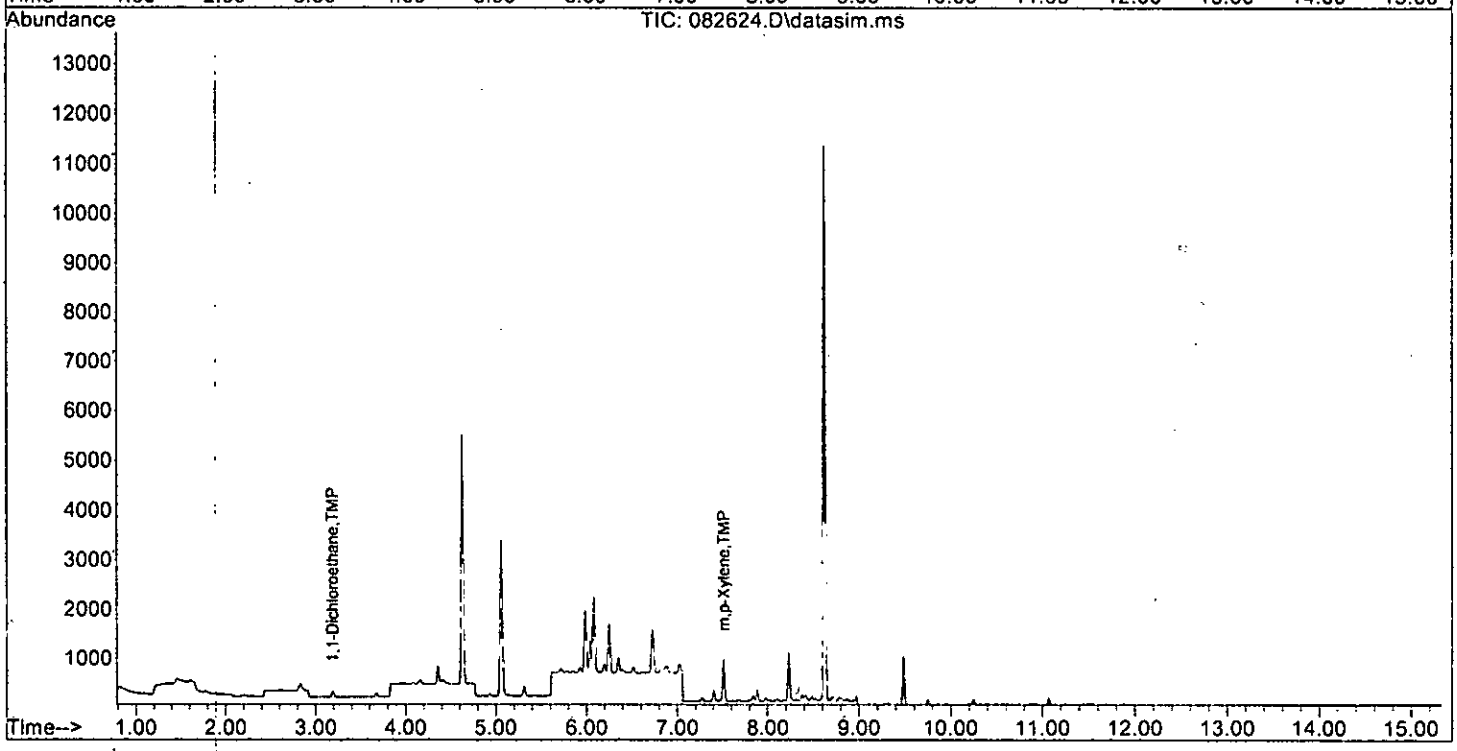


Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082624.D
Acq On : 26 Aug 2022 06:04 pm
Operator : JCM
Sample : 208312-04
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:05:41 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082624.D
Acq On : 26 Aug 2022 06:04 pm
Operator : JCM
Sample : 208312-04
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:05:41 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	63662	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	53530	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30629	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18437	10.001	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.00%			
30) 1,2-Dichloroethane-d4	4.36	102	3680	9.531	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.30%			
35) Toluene-d8	5.98	98	62706	9.527	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 95.30%			
57) 4-Bromofluorobenzene	8.38	95	26728	10.456	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.24	50	3056	N.D.		
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.28	58	412	1.410	ppb #	30
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.05	57	899	0.307	ppb	97
14) Methylene chloride	2.61	84	35249	6.358	ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	3.19	63	150	0.040	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.64	77	70	Below Cal		48
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	3.95	83	182	N.D.		
24) 2-Butanone (MEK)	3.72	43	179	Below Cal		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.42	62	82	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.39	78	76	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	5.31	83	175	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	6.04	92	355	Below Cal		91
41) trans-1,3-Dichloropropene	0.00		0	N.D.		

Data Path : D:\Proc_GCMS11\08-26-22\
Data File : 082624.D
Acq On : 26 Aug 2022 06:04 pm
Operator : JCM
Sample : 208312-04
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 27 17:05:41 2022
Quant Method : D:\METHODS\Inst11\VB082322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Aug 25 07:55:03 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1,2-Trichloroethane	6.39	83	112	N.D.	
43) 2-Hexanone	0.00		0	N.D. d	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.51	164	51	Below Cal	94
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.41	91	289	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.52	106	413	0.045 ppb	96
52) o-Xylene	7.88	106	114	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	8.23	105	9628	1.126 ppb	99
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.63	91	14771	1.520 ppb	99
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.81	105	66	N.D.	
61) 1,1,2,2-Tetrachloroethane	8.52	83	179	N.D.	
62) 1,2,3-Trichloropropane	8.63	75	78	N.D.	
63) 2-Chlorotoluene	8.70	91	124	N.D.	
64) 4-Chlorotoluene	8.79	91	138	N.D.	
65) tert-Butylbenzene	9.10	119	1358	0.215 ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	244	N.D.	
67) sec-Butylbenzene	9.32	105	5496	0.591 ppb	96
68) p-Isopropyltoluene	0.00		0	N.D. d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.69	128	124	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

EPA 8270E
MDLs

MDL Data and Calculations

Analysis:	8270 BNAs
Matrix:	Water
Instrument ID:	GCMS #9
Reporting Units:	ug/L

Analyst fill in all below

(attach extraction worksheet(s))

Standard(s) spiked:	63-50a; 63-89; 63-49a; 64-11
Volume spiked:	50 ul, 50 ul, 40 ul
Date(s) Extracted:	4/30/2021; 05/04/21; 06/09/2
Date(s) Analyzed:	4/30/2021; 05/04/21; 06/14/2
Date Calculated:	5/3/2021; 05/06/21; 06/15/21;
Calculation Analyst:	VM

	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std		Spike	%
Analyte	**MDL**	**PQL**	**PQL**	**Dev**	**Mean**	**Level**	**Rec.**
N-Nitrosodimethylamine	0.035	0.069	0.173	0.0116	0.041	0.20	20
Phenol	0.097	0.193	0.484	0.0323	0.230	1.00	23
Bis(2-chloroethyl) ether	0.056	0.111	0.278	0.0185	0.169	0.20	84
2-Chlorophenol	0.143	0.286	0.715	0.0477	0.672	1.00	67
1,3-Dichlorobenzene	0.041	0.083	0.207	0.0138	0.148	0.20	74
1,4-Dichlorobenzene	0.043	0.086	0.214	0.0143	0.148	0.20	74
1,2-Dichlorobenzene	0.051	0.101	0.253	0.0169	0.158	0.20	79
Benzyl alcohol	0.216	0.431	1.078	0.0719	0.909	2.00	45
2,2'-Oxybis(1-Chloropropane)	0.066	0.132	0.330	0.0220	0.191	0.20	95
2-Methylphenol	0.122	0.245	0.612	0.0409	0.487	1.00	49
Hexachloroethane	0.040	0.081	0.201	0.0134	0.135	0.20	67
N-Nitroso-di-n-propylamine	0.025	0.049	0.123	0.0082	0.194	0.20	97
3-Methylphenol + 4-Methylphenol	0.269	0.539	1.347	0.0899	0.855	2.00	43
Nitrobenzene	0.128	0.257	0.642	0.0428	0.232	0.20	116
Isophorone	0.027	0.054	0.134	0.0090	0.174	0.20	87
2-Nitrophenol	0.485	0.969	2.423	0.1616	1.117	1.00	112
2,4-Dimethylphenol	0.424	0.849	2.121	0.1415	0.534	1.00	53
Benzoic acid	8.976	17.951	44.878	2.9939	6.340	50.00	13
Bis(2-chloroethoxy)methane	0.039	0.079	0.197	0.0131	0.175	0.20	87
2,4-Dichlorophenol	0.168	0.337	0.842	0.0562	0.793	1.00	79
1,2,4-Trichlorobenzene	0.039	0.078	0.194	0.0130	0.157	0.20	79
Naphthalene	0.010	0.019	0.049	0.0032	0.031	0.03	104
Hexachlorobutadiene	0.048	0.096	0.239	0.0160	0.147	0.20	74
4-Chloroaniline	0.207	0.415	1.037	0.0692	1.594	2.00	80
4-Chloro-3-methylphenol	0.239	0.478	1.195	0.0797	0.735	1.00	73
2-Methylnaphthalene	0.009	0.019	0.047	0.0031	0.029	0.03	95
1-Methylnaphthalene	0.007	0.014	0.036	0.0024	0.027	0.03	91
Hexachlorocyclopentadiene	0.148	0.296	0.741	0.0494	0.171	0.20	86
2,4,6-Trichlorophenol	0.707	1.414	3.534	0.2358	1.082	1.00	108

	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std		Spike	%
Analyte	**MDL**	**PQL**	**PQL**	**Dev**	**Mean**	**Level**	**Rec.**
2,4,5-Trichlorophenol	0.599	1.198	2.995	0.1998	1.093	1.00	109
2-Chloronaphthalene	0.036	0.071	0.178	0.0119	0.167	0.20	83
2-Nitroaniline	0.831	1.663	4.156	0.2773	1.860	2.00	93
Dimethyl phthalate	0.199	0.399	0.997	0.0665	0.892	1.00	89
Acenaphthylene	0.008	0.016	0.039	0.0026	0.026	0.03	87
2,6-Dinitrotoluene	0.164	0.329	0.821	0.0548	0.247	0.20	123
3-Nitroaniline	0.600	1.200	2.999	0.2001	1.664	2.00	83
Acenaphthene	0.009	0.019	0.047	0.0031	0.029	0.03	98
2,4-Dinitrophenol	2.419	4.839	12.097	0.8070	4.141	5.00	83
Dibenzofuran	0.059	0.119	0.297	0.0198	0.201	0.20	100
2,4-Dinitrotoluene	0.126	0.253	0.632	0.0422	0.277	0.20	139
4-Nitrophenol	0.601	1.202	3.005	0.2005	1.191	5.00	24
Diethyl phthalate	0.149	0.298	0.745	0.0497	0.888	1.00	89
Fluorene	0.006	0.013	0.032	0.0021	0.029	0.03	96
4-Chlorophenyl phenyl ether	0.030	0.061	0.152	0.0101	0.180	0.20	90
1,2-Diphenylhydrazine	0.034	0.068	0.171	0.0114	0.170	0.20	85
N-Nitrosodiphenylamine	0.037	0.073	0.183	0.0122	0.147	0.20	73
4-Nitroaniline	0.593	1.185	2.963	0.1977	1.867	2.00	93
4,6-Dinitro-2-methylphenol	0.379	0.758	1.896	0.1265	1.331	1.00	133
4-Bromophenyl phenyl ether	0.032	0.064	0.159	0.0106	0.179	0.20	89
Hexachlorobenzene	0.066	0.132	0.329	0.0219	0.173	0.20	87
Pentachlorophenol	0.470	0.940	2.350	0.1567	1.331	1.00	133
Phenanthrene	0.013	0.025	0.063	0.0042	0.040	0.03	132
Anthracene	0.006	0.012	0.030	0.0020	0.029	0.03	98
Carbazole	0.044	0.088	0.219	0.0146	0.197	0.20	98
Di-n-butyl phthalate	0.690	1.380	3.450	0.2302	1.152	1.00	115
Fluoranthene	0.014	0.027	0.068	0.0045	0.033	0.03	111
Benzidine	1.038	2.076	5.190	0.3463	0.605	2.00	30
Pyrene	0.013	0.027	0.067	0.0045	0.033	0.03	109
Benzyl butyl phthalate	0.259	0.519	1.297	0.0865	1.178	1.00	118
3,3'-Dichlorobenzidine	0.542	1.085	2.712	0.1809	1.669	2.00	83
Benz(a)anthracene	0.009	0.019	0.047	0.0031	0.032	0.03	105
Chrysene	0.008	0.016	0.040	0.0027	0.031	0.03	102
Bis(2-ethylhexyl) phthalate	0.627	1.255	3.137	0.2092	1.485	1.00	148
Di-n-octyl phthalate	0.366	0.732	1.830	0.1221	1.266	1.00	127
Benzo(a)pyrene	0.005	0.011	0.027	0.0018	0.027	0.03	90
Benzo(b)fluoranthene	0.008	0.016	0.040	0.0027	0.031	0.03	104

	(StdDev*2.998)	(2*MDL)	(5*MDL)	**Std**		**Spike**	**%**
Analyte	**MDL**	**PQL**	**PQL**	**Dev**	**Mean**	**Level**	**Rec.**
Benzo(k)fluoranthene	0.007	0.014	0.035	0.0023	0.032	0.03	105
Indeno(1,2,3-cd)pyrene	0.011	0.023	0.057	0.0038	0.029	0.03	96
Dibenz(a,h)anthracene	0.014	0.028	0.069	0.0046	0.029	0.03	96
Benzo(g,h,i)perylene	0.014	0.029	0.072	0.0048	0.030	0.03	99

EPA 8270E
Sequence Tables

Sequence Name: C:\msdchem\1\sequence\08-10-22.s
Comment:
Operator: VM
Data Path: D:\GCMS9\GCMS9 DATA\08-10-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line			Sample Name/Misc Info
1)	Sample	101 081001	081022SS RT
2)	Sample	103 081002	BAKE320 rinse
3)	Sample	103 081003	BAKE320 rinse
4)	Pause		
5)	Sample	102 081004	DFTPP20 50 ng tune 67-39a
6)	Sample	103 081005	DFTPP rinse
7)	Sample	103 081006	DFTPP rinse
8)	Sample	103 081007	DFTPP rinse
9)	Sample	104 081008	081022SS rinse
10)	Sample	111 081009	081022SS 0.01 ug/ml 8270 ICAL 67-21B
11)	Sample	112 081010	081022SS 0.015 ug/ml 8270 ICAL 67-21C
12)	Sample	113 081011	081022SS 0.1 ug/ml 8270 ICAL 67-21D
13)	Sample	114 081012	081022SS 0.2 ug/ml 8270 ICAL 67-21E
14)	Sample	115 081013	081022SS 1 ug/ml 8270 ICAL 67-21F
15)	Sample	116 081014	081022SS 2 ug/ml 8270 ICAL 67-21G
16)	Sample	117 081015	081022SS 5 ug/ml 8270 ICAL 67-21H
17)	Sample	118 081016	081022SS 10 ug/ml 8270 ICAL 67-21I
18)	Sample	119 081017	081022SS 16 ug/ml 8270 ICAL 67-21J
19)	Sample	120 081018	081022SS 20 ug/ml 8270 ICAL 67-21K
20)	Sample	121 081019	081022SS 25 ug/ml 8270 ICAL 67-21L
21)	Sample	122 081020	081022SS 30 ug/ml 8270 ICAL 67-21M
22)	Sample	103 081021	081022SS rinse
23)	Sample	103 081022	081022SS rinse
24)	Sample	123 081023	081022SS 5 ug/ml 8270 SCV 67-22a
25)	Sample	101 081024	081022SS 5 ug/ml 8270 CCV 67-21H
26)	Sample	1 081025	081022SS 02-1915 lcs 1/5
27)	Sample	2 081026	081022SS 02-1915 lcsd 1/5
28)	Sample	103 081027	BAKE320 rinse
29)	Sample	103 081028	BAKE320 rinse
30)	Sample	103 081029	DFTPP rinse
31)	Sample	103 081030	081022SS rinse
32)	Sample	104 081031	081022SS rinse
33)	Sample	3 081032	081022SS 02-1915 mb 1/5
34)	Sample	4 081033	081022SS 208129-03 1/25
35)	Sample	5 081034	081022SS 208129-04 1/100
36)	Sample	6 081035	081022SS 208118-01 1/150
37)	Sample	7 081036	081022SS 208032-29 1/50

VKC 08.11.22

Injection Log

Data Directory: N:\Proc_GCMS9\08-10-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 081001.D RT		101	1.000	10 Aug 2022 11:51 am
2) 081002.D rinse		103	1.000	10 Aug 2022 12:26 pm
3) 081003.D rinse		103	1.000	10 Aug 2022 12:59 pm
4) 081004.D 50 ng tune 67-39a		102	1.000	10 Aug 2022 1:48 pm
5) 081005.D rinse		103	1.000	10 Aug 2022 2:03 pm
6) 081006.D rinse		103	1.000	10 Aug 2022 2:18 pm
7) 081007.D rinse		103	1.000	10 Aug 2022 2:32 pm
8) 081008.D rinse		104	1.000	10 Aug 2022 2:49 pm
9) 081009.D 0.01 ug/ml 8270 ICAL		111	1.000	10 Aug 2022 3:22 pm
10) 081010.D 0.015 ug/ml 8270 ICA		112	1.000	10 Aug 2022 3:55 pm
11) 081011.D 0.1 ug/ml 8270 ICAL		113	1.000	10 Aug 2022 4:28 pm
12) 081012.D 0.2 ug/ml 8270 ICAL		114	1.000	10 Aug 2022 5:02 pm
13) 081013.D 1 ug/ml 8270 ICAL 67		115	1.000	10 Aug 2022 5:35 pm
14) 081014.D 2 ug/ml 8270 ICAL 67		116	1.000	10 Aug 2022 6:08 pm
15) 081015.D 5 ug/ml 8270 ICAL 67		117	1.000	10 Aug 2022 6:42 pm
16) 081016.D 10 ug/ml 8270 ICAL 6		118	1.000	10 Aug 2022 7:15 pm
17) 081017.D 16 ug/ml 8270 ICAL 6		119	1.000	10 Aug 2022 7:48 pm
18) 081018.D 20 ug/ml 8270 ICAL 6		120	1.000	10 Aug 2022 8:22 pm
19) 081019.D 25 ug/ml 8270 ICAL 6		121	1.000	10 Aug 2022 8:55 pm
20) 081020.D 30 ug/ml 8270 ICAL 6		122	1.000	10 Aug 2022 9:29 pm
21) 081021.D				

rinse		103	1.000	10 Aug 2022	10:02 pm
22) 081022.D rinse		103	1.000	10 Aug 2022	10:35 pm
23) 081023.D 5 ug/ml 8270 SCV 67-		123	1.000	10 Aug 2022	11:09 pm
24) 081024.D 5 ug/ml 8270 CCV 67-		101	1.000	10 Aug 2022	11:42 pm
25) 081025.D 02-1915 lcs 1/5	soil	1	1.000	11 Aug 2022	12:15 am
26) 081026.D 02-1915 lcsd 1/5	soil	2	1.000	11 Aug 2022	12:48 am
27) 081027.D rinse		103	1.000	11 Aug 2022	1:24 am
28) 081028.D rinse		103	1.000	11 Aug 2022	1:56 am
29) 081029.D rinse		103	1.000	11 Aug 2022	2:34 am
30) 081030.D rinse		103	1.000	11 Aug 2022	2:52 am
31) 081031.D rinse		104	1.000	11 Aug 2022	3:25 am
32) 081032.D 02-1915 mb 1/5	soil	3	1.000	11 Aug 2022	3:58 am
33) 081033.D 208129-03 1/25	soil	4	1.000	11 Aug 2022	4:31 am
34) 081034.D 208129-04 1/100	soil	5	1.000	11 Aug 2022	5:04 am
35) 081035.D 208118-01 1/150	soil	6	1.000	11 Aug 2022	5:37 am
36) 081036.D 208032-29 1/50	soil	7	1.000	11 Aug 2022	6:10 am

Sequence Name: C:\msdchem\1\sequence\08-24-22.s
Comment:
Operator: VM
Data Path: D:\GCMS9\GCMS9 DATA\08-24-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

TB 8/25

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1)	Sample	103 082401 BAKE320 rinse
2)	Sample	103 082402 BAKE320 rinse
3)	Sample	103 082403 DFTPP rinse
4)	Sample	101 082404 081022SS 5 ug/ml 8270 CCV 67-21H
5)	Sample	1 082405 081022SS 02-2030 lcs
6)	Sample	103 082406 081022SS rinse
7)	Sample	103 082407 081022SS rinse
8)	Sample	2 082408 081022SS 02-2030 mb
9)	Sample	3 082409 081022SS 208339-01
10)	Sample	4 082410 081022SS 208339-02
11)	Sample	5 082411 081022SS 208312-01 1/2
12)	Sample	6 082412 081022SS 208312-02 1/2
13)	Sample	7 082413 081022SS 208312-03 1/2
14)	Sample	8 082414 081022SS 208312-04 1/2
15)	Sample	9 082415 081022SS 208312-01 ms 1/2
16)	Sample	10 082416 081022SS 208312-01 msd 1/2

Injection Log

Data Directory: N:\Proc_GCMS9\08-24-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082401.D rinse		103	1.000	24 Aug 2022 12:10 pm
2) 082402.D rinse		103	1.000	24 Aug 2022 12:43 pm
3) 082403.D rinse		103	1.000	24 Aug 2022 1:20 pm
4) 082404.D 5 ug/ml 8270 CCV 67-		101	1.000	24 Aug 2022 1:36 pm
5) 082405.D 02-2030 lcs	water	1	1.000	24 Aug 2022 3:04 pm
6) 082406.D rinse	water	103	1.000	24 Aug 2022 3:37 pm
7) 082407.D rinse	water	103	1.000	24 Aug 2022 4:10 pm
8) 082408.D 02-2030 mb	water	2	1.000	24 Aug 2022 4:44 pm
9) 082409.D 208339-01	water	3	1.000	24 Aug 2022 5:17 pm
10) 082410.D 208339-02	water	4	1.000	24 Aug 2022 5:50 pm
11) 082411.D 208312-01 1/2	water	5	1.000	24 Aug 2022 6:23 pm
12) 082412.D 208312-02 1/2	water	6	1.000	24 Aug 2022 6:57 pm
13) 082413.D 208312-03 1/2	water	7	1.000	24 Aug 2022 7:30 pm
14) 082414.D 208312-04 1/2	water	8	1.000	24 Aug 2022 8:03 pm
15) 082415.D 208312-01 ms 1/2	water	9	1.000	24 Aug 2022 8:36 pm
16) 082416.D 208312-01 msd 1/2	water	10	1.000	24 Aug 2022 9:10 pm

VM

AUG 25 2022

EPA 8270E
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 9 Sequence Date: 08/10/22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	DLM	08/11/22
2nd source passed	↓	↓
Analyte retention time checked	↓	↓
Tune passed	↓	↓
Non-Conformance Report filled out (if needed)	↓	↓

Notes: 30 DROPPED FOR: HEXACHLOROCYCLOPENTADIENE, 2,4-DINITROTOLUENE, 4-NITROANILI

Attach this sheet to raw data package.

YA 08/11/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 9 Sequence Date: 08.24.22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓ MP	08.25.22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	NA V	
Matrix spike (MS) analyzed	✓	
RPDs within limits	NO	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

VM

AUG 25 2022

YA 08/26/22
Supervisor Initials and Date

EPA 8270E
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : N:\Proc_GCMS9\08-10-22\081004.D
Tune Time : 10 Aug 2022 1:48 pm

Daily Calibration File : N:\Proc_GCMS9\08-10-22\081024.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				260654	883922	502659

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1037110	767372	673125

File	Sample	Surrogate Recovery %				Internal Standard Responses		
081009.D								
	0.01 ug/ml	0*	0*	0*	0*	224832	745608	401183
		0*	0*			819200	636185	575143
081010.D								
	0.015 ug/m	0*	0*	0*	0*	221935	742774	420937
		0*	0*			858321	744638	630508
081011.D								
	0.1 ug/ml	0*	0*	0*	0*	204825	698963	389348
		0*	0*			839193	718174	614703
081012.D								
	0.2 ug/ml	0*	1*	0*	2*	218817	716524	402893
		0*	0*			789230	650415	583512
081013.D								
	1 ug/ml 82	6*	6*	10*	10*	211982	683034	394276
		6*	9*			816275	706777	620567
081014.D								
	2 ug/ml 82	13	13	20	19*	203118	699819	420177
		12	19*			897677	754817	633312
081015.D								
	5 ug/ml 82	31	33	50	50	224716	699973	396800
		32	49			808298	705973	626507
081016.D								
	10 ug/ml 8	67*	68*	97	101	241934	794617	449884
		70	99			911007	795931	679179
081017.D								
	16 ug/ml 8	110*	110*	160*	164*	240924	797514	448669
		114	159*			923430	811184	681169
081018.D								
	20 ug/ml 8	137*	138*	197*	212*	258993	890001	476349
		141	208*			991559	808218	700514
081019.D								
	25 ug/ml 8	167*	172*	249*	250*	247453	831238	473660
		179*	266*			970021	769311	620398
081020.D								
	30 ug/ml 8	207*	211*	310*	332*	253192	824084	426835
		221*	319*			884815	728354	593551
081023.D								
	5 ug/ml 82	34	33	50	54	263964	883331	481781
		34	53			1023983	866511	704794

(fails) - fails 12hr time check * - fails criteria

GC/MS QA-QC Check Report

Tune File : N:\Proc_GCMS9\08-24-22\082404.D
Tune Time : 24 Aug 2022 1:36 pm

Daily Calibration File : N:\Proc_GCMS9\08-24-22\082404.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				235059	776669	442639

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		909849	799122	727982

File	Sample	Surrogate Recovery %				Internal Standard Responses		
082405.D								
	02-2030 lc	32	20	76	84	254372	847245	449158
		101	102			942479	840059	695474
082408.D								
	02-2030 mb	40	28	80	82	247125	834650	446487
		82	105			835183	759838	631588
082409.D								
	208339-01	38	24	87	92	243497	821769	444142
		95	107			851009	753649	617219
082410.D								
	208339-02	39	26	84	91	240627	794570	429693
		94	106			824732	684769	563940
082411.D								
	208312-01	28	27	91	83	257907	863898	486137
		52	104			865219	801705	688659
082412.D								
	208312-02	23	23	88	79	259193	873180	485823
		47	106			914885	808127	666243
082413.D								
	208312-03	39	25	87	83	239808	811580	446277
		84	102			837433	710080	591608
082414.D								
	208312-04	41	27	92	76	254895	858799	527695
		93	105			942435	828159	691376
082415.D								
	208312-01	26	23	88	85	253097	858990	460883
		65	107			889459	729144	663327
082416.D								
	208312-01	26	22	84	86	263679	856595	449482
		50	103			866425	859245	714995

(fails) - fails 12hr time check * - fails criteria

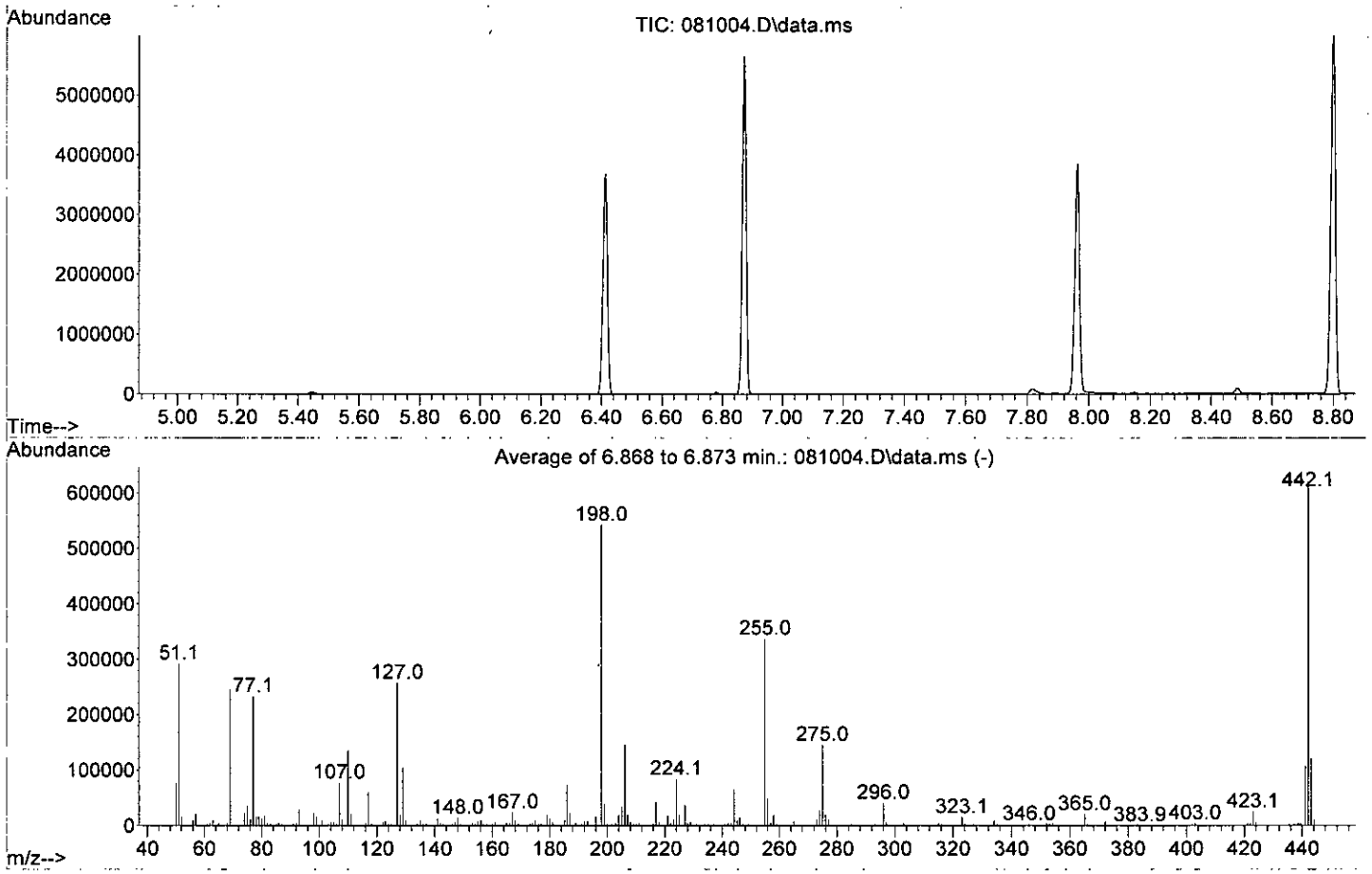
Created: Thu Aug 25 08:54:13 2022 GCMS9

EPA 8270E
Tune Summaries

Data Path : Y:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1

Integration File: rteint.p

Method : Y:\Methods\Inst9\DFTPP8270e.M
Title :
Last Update : Fri Jun 12 15:13:39 2020



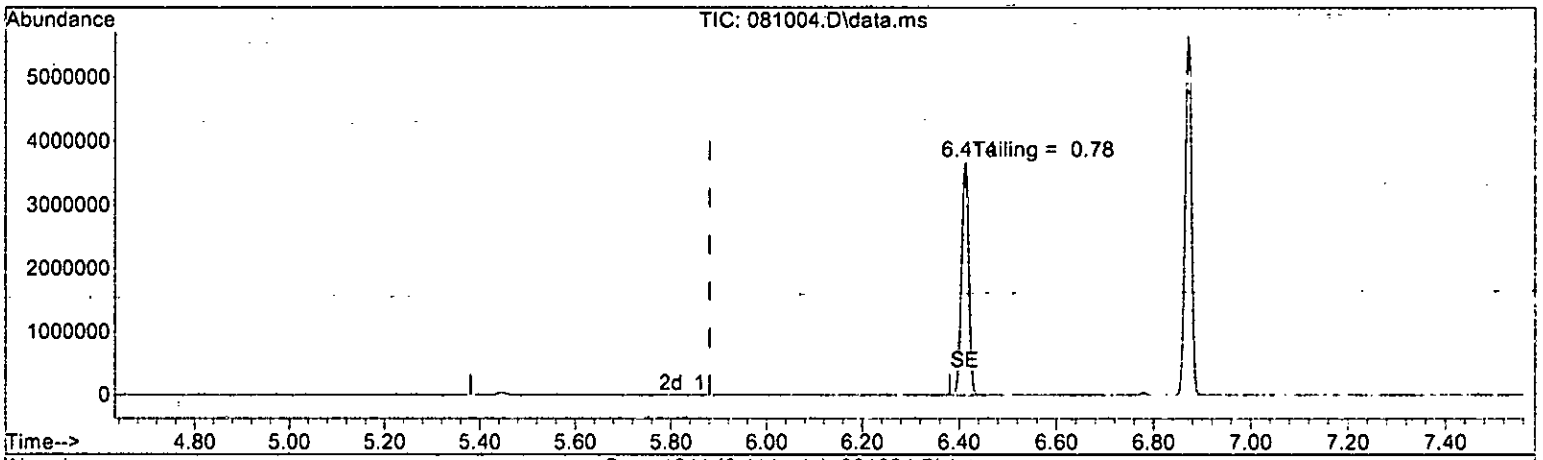
AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1490

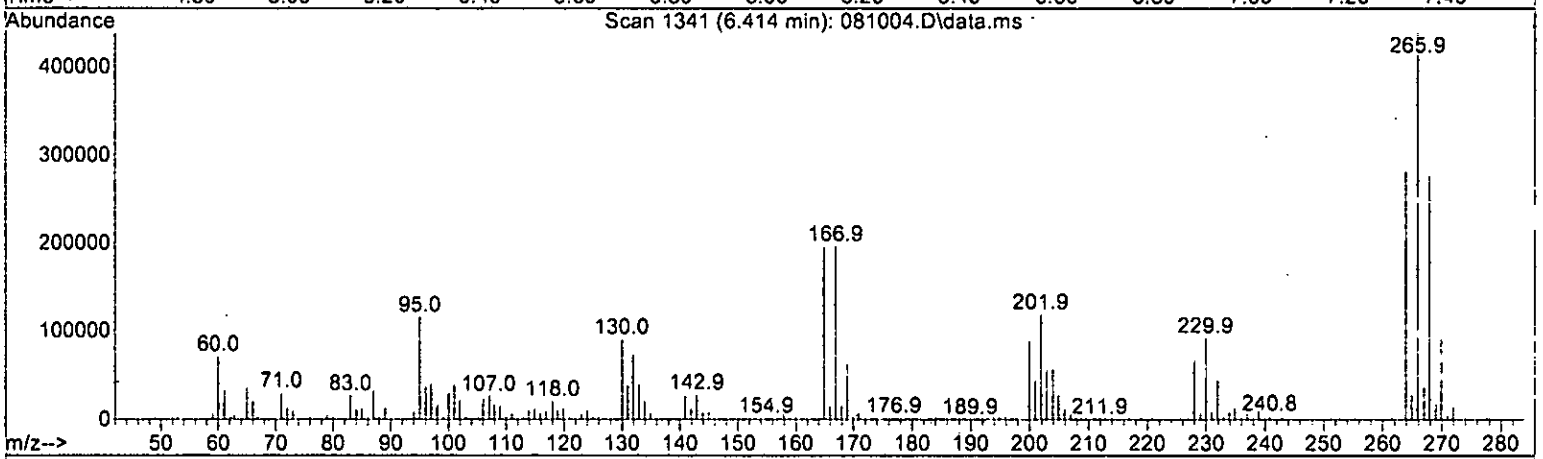
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4639	PASS
69	442	0.01	100	39.9	245248	PASS
70	69	0.00	2	0.6	1534	PASS
197	198	0.00	2	0.0	0	PASS
198	442	0.01	100	88.2	542976	PASS
199	198	5	9	7.1	38461	PASS
365	442	1	100	3.4	20651	PASS
441	443	0.01	150	89.2	107867	PASS
442	442	0.01	100	100.0	615296	PASS
443	442	15	24	19.7	120936	PASS

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(1) Pentachlorophenol

6.414min (+ 0.532) 0.000 m

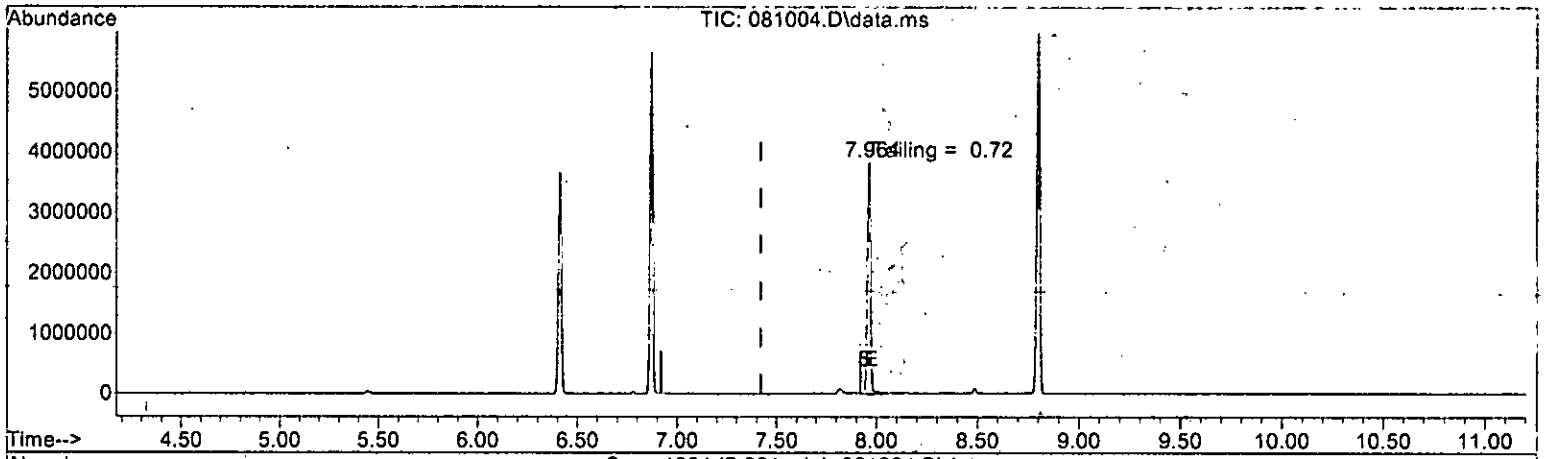
response 3815119

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M



TIC: 081004.D\data.ms

(3) Benzidine

7.964min (+ 0.542) 0.000 m

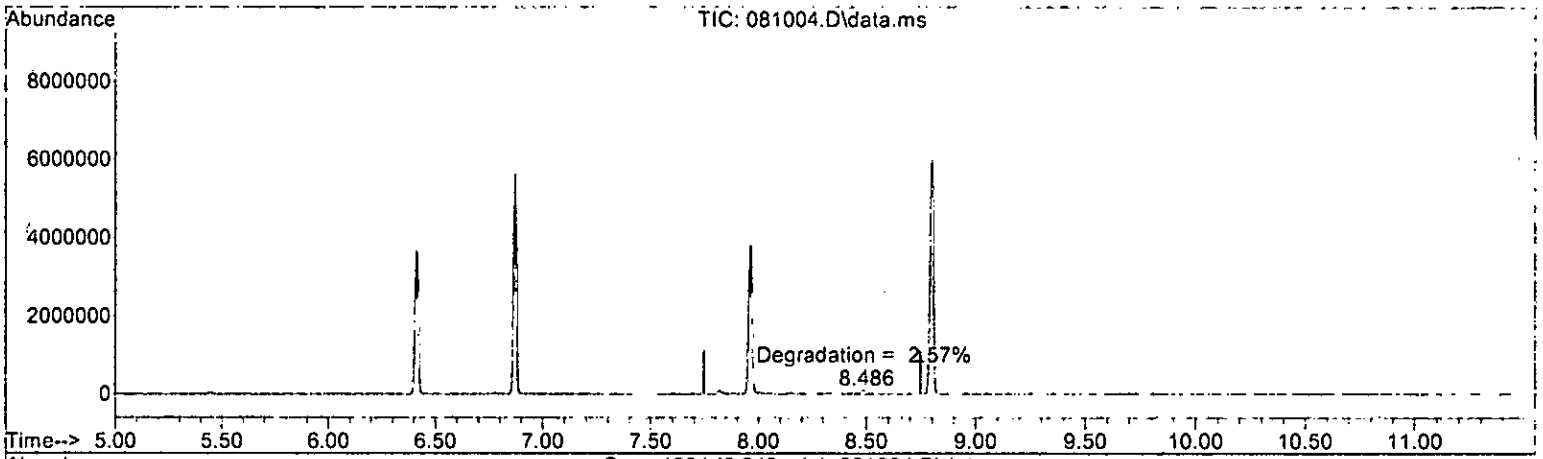
response 4159379

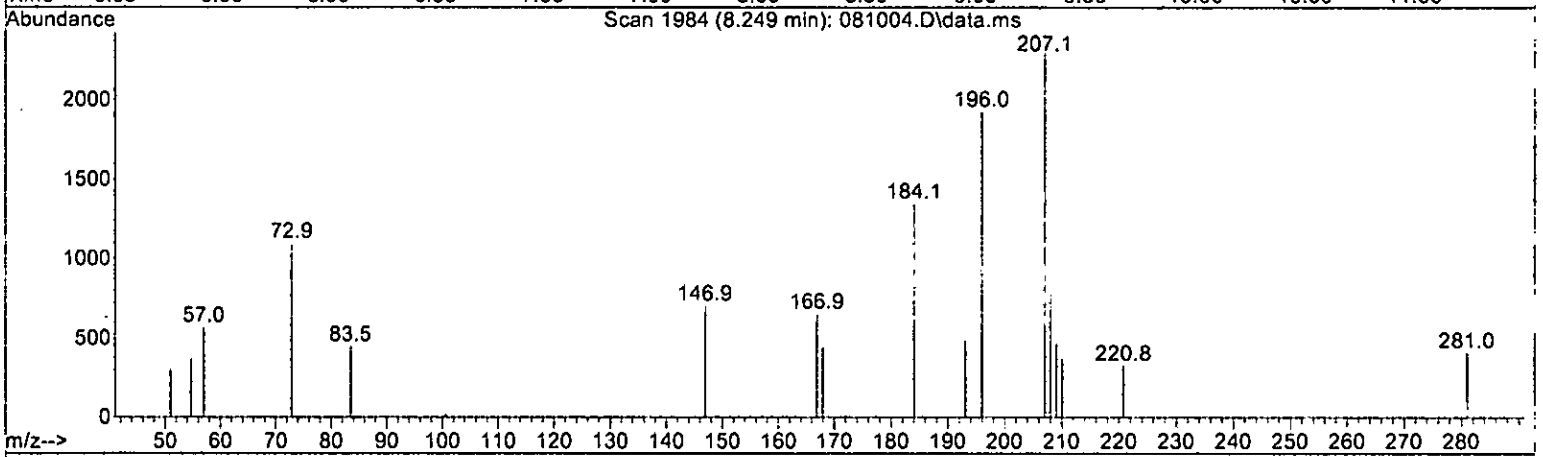
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(6) 4,4'-DDT

8.249min (-8.249) 0.000

response 0

Signal	Exp%	Act%
TIC	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

EPA 8270E
Initial Calibrations

Response Factor Report GCMS9

Method Path : N:\Methods\Inst9\
Method File : 081022sms.M
Title : Semivolatiles by SW-846 Method 8270E SS
Last Update : Thu Aug 11 09:38:10 2022
Response Via : Initial Calibration

Calibration Files
0.01=081009.D 0.02=081010.D 0.1 =081011.D 0.2 =081012.D 1 =081013.D 2 =081014.D 5 =081015.D
10 =081016.D 16 =081017.D 20 =081018.D 25 =081019.D 30 =081020.D

		Compound	0.01	0.02	0.1	0.2	1	2	5	10	16	20	25	30	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD													
2)	TMP	N-Nitrosodimet...					0.580	0.698	0.633	0.664	0.704	0.661	0.655	0.704	0.662	6.35
3)	S	2-Fluorophenol					0.999	1.068	1.004	1.076	1.100	1.094	1.069	1.101	1.064	3.84
4)	S	Phenol-d6				1.186	1.129	1.290	1.278	1.308	1.322	1.326	1.319	1.352	1.279	5.73
5)	TMP	Phenol				1.544	1.513	1.654	1.560	1.644	1.669	1.691	1.664	1.689	1.625	4.16
6)	TMP	Bis(2-chloroet...				1.275	1.157	1.275	1.179	1.243	1.271	1.292	1.287	1.308	1.254	4.16
7)	TMP	2-Chlorophenol				1.166	1.122	1.183	1.163	1.241	1.235	1.246	1.243	1.287	1.210	4.39
8)	TMP	1,3-Dichlorobe...				1.504	1.284	1.508	1.384	1.412	1.482	1.495	1.455	1.487	1.446	5.12
9)	TMP	1,4-Dichlorobe...			1.481	1.128	1.301	1.494	1.413	1.450	1.471	1.509	1.470	1.493	1.421	8.39
10)	TMP	1,2-Dichlorobe...				1.595	1.293	1.409	1.364	1.368	1.436	1.432	1.399	1.419	1.413	5.76
11)	TMP	Benzyl alcohol					0.691	0.766	0.733	0.762	0.814	0.790	0.792	0.797	0.768	5.21
12)	TMP	2,2'-Oxybis(1-...				3.172	2.858	3.262	2.961	3.114	3.135	3.176	3.109	3.111	3.100	3.90
13)	TMP	2-Methylphenol				0.882	0.950	1.127	1.041	1.053	1.104	1.124	1.089	1.121	1.055	8.14
14)	TMP	Hexachloroethane			0.676	0.557	0.611	0.650	0.582	0.638	0.639	0.641	0.655	0.644	0.629	5.69
15)	TMP	N-Nitroso-di-n...				0.974	0.792	0.886	0.812	0.880	0.891	0.890	0.876	0.877	0.875	5.92
16)	TMP	3-Methylphenol...				1.010	1.000	1.140	1.057	1.096	1.130	1.126	1.121	1.128	1.090	4.97
17)	I	Naphthalene-d8	ISTD													
18)	S	Nitrobenzene-d5					0.414	0.394	0.403	0.390	0.401	0.395	0.399	0.414	0.401	2.25
19)	TMP	Nitrobenzene				0.354	0.389	0.420	0.433	0.421	0.431	0.418	0.419	0.443	0.414	6.55
20)	TMP	Isophorone				0.638	0.613	0.694	0.690	0.701	0.721	0.696	0.724	0.735	0.690	5.81
21)	TMP	2-Nitrophenol					0.157	0.153	0.160	0.178	0.180	0.182	0.185	0.186	0.173	7.82
22)	TMP	2,4-Dimethylph...					0.346	0.383	0.370	0.390	0.393	0.372	0.384	0.397	0.379	4.29
23)	TMP	Benzoic acid							0.125	0.163	0.185	0.193	0.196	0.205	0.178	16.55
24)	TMP	Bis(2-chloroet...				0.472	0.415	0.418	0.431	0.431	0.431	0.430	0.427	0.444	0.433	3.91
25)	TMP	2,4-Dichloroph...					0.285	0.300	0.322	0.335	0.331	0.322	0.324	0.337	0.319	5.65
26)	TMP	1,2,4-Trichlor...			0.404	0.446	0.401	0.385	0.402	0.401	0.393	0.386	0.389	0.395	0.400	4.40
27)	TMP	Naphthalene	1.235	1.222	1.179	1.194	1.157	1.181	1.183	1.175	1.188	1.161	1.173	1.205	1.188	1.95
28)	TMP	Hexachlorobuta...				0.339	0.303	0.300	0.311	0.316	0.307	0.304	0.308	0.324	0.313	3.93
29)	TMP	4-Chloroaniline					0.416	0.415	0.428	0.431	0.441	0.436	0.440	0.458	0.433	3.23
30)	TMP	4-Chloro-3-met...					0.266	0.318	0.316	0.326	0.331	0.325	0.334	0.336	07322	4.97
31)	TMP	2-Methylnaphth...	0.741	0.746	0.757	0.767	0.749	0.773	0.761	0.756	0.768	0.744	0.758	0.759	0.757	1.32
32)	TMP	1-Methylnaphth...	0.698	0.728	0.715	0.734	0.719	0.744	0.730	0.727	0.739	0.717	0.731	0.731	0.726	1.67
33)	I	Acenaphthene-d10	ISTD													
34)	TMP	Hexachlorocycl...				0.430	0.470	0.464	0.568	0.565	0.602	0.631	0.577		0.538	13.61
35)	TMP	2,4,6-Trichlor...					0.377	0.430	0.464	0.495	0.509	0.524	0.495	0.560	0.482	11.86
36)	TMP	2,4,5-Trichlor...					0.437	0.478	0.501	0.498	0.511	0.528	0.520	0.560	0.504	7.18
37)	S	2-Fluorobiphenyl				1.243	1.378	1.323	1.400	1.417	1.444	1.490	1.408	1.554	1.406	6.41
38)	TMP	2-Chloronaphth...				1.252	1.125	1.174	1.208	1.244	1.250	1.294	1.239	1.347	1.237	5.20
39)	TMP	2-Nitroaniline					0.341	0.392	0.414	0.440	0.462	0.475	0.462	0.511	0.437	12.20
40)	TMP	Dimethyl phtha...					1.330	1.300	1.419	1.480	1.514	1.528	1.484	1.601	1.457	6.99
41)	TMP	Acenaphthylene	2.048	2.011	2.042	2.095	2.055	2.076	2.156	2.138	2.183	2.225	2.165	2.302	2.125	4.06
42)	TMP	2,6-Dinitrotol...				0.102	0.199	0.258	0.281	0.301	0.301	0.304	0.300	0.330	0.264	27.05
43)	TMP	3-Nitroaniline					0.441	0.452	0.510	0.526	0.505	0.522	0.494	0.530	0.498	6.78
44)	TMP	Acenaphthene	1.547	1.458	1.507	1.489	1.437	1.432	1.474	1.473	1.507	1.511	1.464	1.562	1.489	2.70
45)	TMP	2,4-Dinitrophenol					0.092	0.103	0.138	0.174	0.183	0.194	0.188	0.203	0.159	26.89
46)	TMP	Dibenzofuran	2.172	2.101	2.114	2.461	2.377	2.360	2.416	2.403	2.434	2.427	2.372	2.512	2.346	5.88
47)	TMP	2,4-Dinitrotol...				0.264	0.371	0.353	0.375	0.391	0.401	0.417	0.413		0.373	13.22
48)	TMP	4-Nitrophenol					0.261	0.232	0.266	0.313	0.329	0.329	0.315	0.329	0.297	12.80
49)	TMP	Diethyl phthalate					1.318	1.446	1.521	1.519	1.605	1.577	1.589	1.642	1.527	6.81
50)	TMP	Fluorene	1.510	1.499	1.516	1.475	1.483	1.501	1.551	1.540	1.587	1.585	1.554	1.629	1.536	3.07
51)	TMP	4-Chlorophenyl...				0.617	0.669	0.744	0.781	0.756	0.768	0.794	0.767	0.827	0.747	8.69
52)	TMP	1,2-Diphenylhy...				1.196	1.302	1.278	1.327	1.371	1.419	1.423	1.415	1.469	1.356	6.41
53)	S	2,4,6-Tribromo...					0.242	0.255	0.280	0.307	0.312	0.309	0.314	0.324	0.293	10.39
54)	I	Phenanthrene-d10	ISTD													
55)	TMP	N-Nitrosodiphe...				0.574	0.498	0.512	0.568	0.558	0.579	0.574	0.570	0.603	0.560	6.01
56)	TMP	4-Nitroaniline						0.106	0.086	0.085	0.085	0.087	0.075		0.087	11.62
57)	TMP	4,6-Dinitro-2-...					0.064	0.070	0.101	0.106	0.116	0.115	0.115	0.118	0.101	21.30
58)	TMP	4-Bromophenyl ...				0.225	0.242	0.226	0.247	0.249	0.250	0.243	0.239	0.255	0.242	4.28
59)	TMP	Hexachlorobenzene				0.276	0.298	0.260	0.307	0.300	0.305	0.298	0.291	0.298	0.293	5.17
60)	TMP	Pentachlorophenol					0.160	0.170	0.201	0.214	0.223	0.220	0.229	0.239	0.207	13.69
61)	TMP	Phenanthrene	1.147	1.192	1.195	1.211	1.170	1.154	1.235	1.225	1.221	1.210	1.207	1.259	1.202	2.73
62)	TMP	Anthracene	1.053	1.123	1.132	1.147	1.139	1.143	1.224	1.243	1.245	1.229	1.212	1.237	1.177	5.29
63)	TMP	Carbazole				0.871	0.928	0.969	0.944	0.873	0.884	0.893	0.846	0.903	0.901	4.36
64)	TMP	Di-n-butyl pht...					1.021	1.037	1.549	1.349	1.373	1.401	1.309	1.270	1.289	13.98
65)	TMP	Fluoranthene	1.237	1.305	1.289	1.301	1.338	1.344	1.433	1.434	1.448	1.411	1.416	1.445	1.367	5.32
66)	I	Chrysene-d12	ISTD													
67)	TMP	Benzidine					0.451	0.451	0.420	0.428	0.438	0.499	0.485	0.506	0.460	7.16
68)	TMP	Pyrene	1.631	1.564	1.546	1.632	1.591	1.663	1.695	1.690	1.691	1.771	1.820	1.792	1.674	5.25
69)	S	Terphenyl-d14					0.970	1.031	1.045	1.055	1.063	1.111	1.136	1.136	1.068	5.35
70)	TMP	Benzyl butyl p...					0.439	0.488	0.538	0.547	0.562	0.586	0.609	0.682	0.556	13.30
71)	TMP	3,3'-Dichlorob...					0.358	0.371	0.315	0.301	0.297	0.290	0.262	0.284	0.310	11.99
72)	TMP	Benz(a)anthracene		3.011	1.612	1.522	1.383	1.451	1.469	1.496	1.501	1.520	1.519	1.524	1.637	28.05
73)	TMP	Chrysene	1.363	1.352	1.368	1.420	1.361	1.413	1.414	1.415	1.426	1.435	1.438	1.428	1.403	2.29
74)	TMP	Bis(2-ethylhex...					0.587	0.695	0.754	0.829	0.835	0.863	0.874	0.857	0.787	12.89
75)	I	Perylene-d12	ISTD													
76)	TMP	Di-n-octyl pht...							1.066	1.172	1.256	1.420	1.514	1.487	1.718	1.751	1.423	17.32
77)	TMP	Benzo(a)pyrene	1.142	1.125	1.120	1.115	1.150	1.219	1.240	1.265	1.328	1.314	1.315	1.346	1.223	7.35
78)	TMP	Benzo(b)fluora...	1.420	1.397	1.427	1.418	1.420	1.512	1.495	1.542	1.582	1.579	1.587	1.644	1.502	5.63
79)	TMP	Benzo(k)fluora...	1.324	1.310	1.307	1.334	1.374	1.462	1.492	1.485	1.584	1.525	1.557	1.562	1.443	7.39
80)	TMP	Indeno(1,2,3-c...	0.982	0.855	0.927	0.867	0.998	1.071	1.022	0.990	1.072	1.114	1.073	1.096	1.006	8.60
81)	TMP	Dibenz(a,h)ant...	1.011	0.838	0.886	0.828	0.983	1.069	1.024	1.014	1.069	1.138	1.085	1.114	1.005	10.33
82)	TMP	Benzo(g,h,i)pe...	1.123	0.945	0.991	0.942	1.062	1.133	1.063	1.013	1.055	1.118	1.070	1.087	1.050	6.18

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : N:\Proc_GCMS9\08-10-22\081004.D
Tune Time : 10 Aug 2022 1:48 pm

Daily Calibration File : N:\Proc_GCMS9\08-10-22\081024.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				260654	883922	502659

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1037110	767372	673125

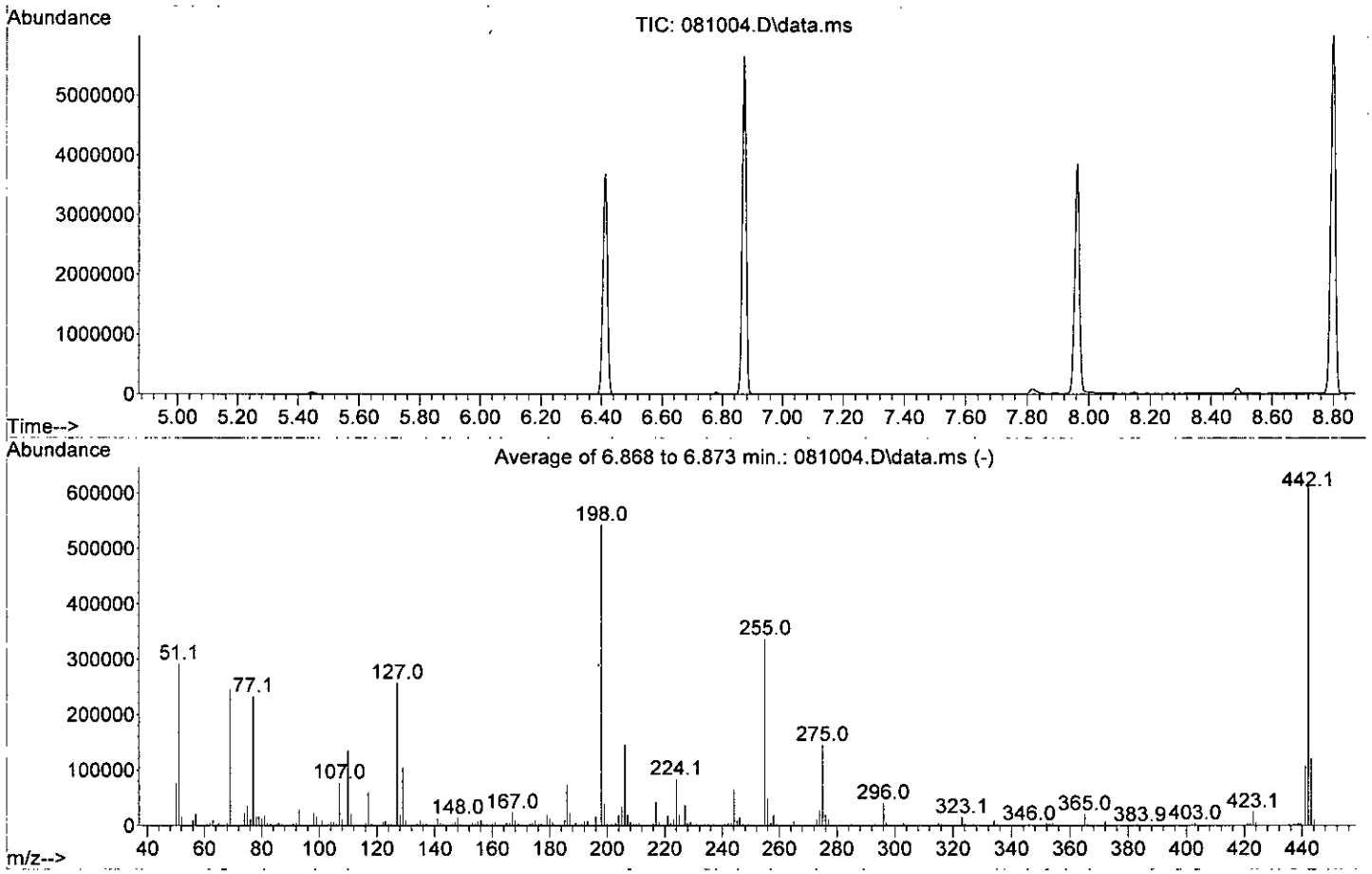
File	Sample	Surrogate Recovery %				Internal Standard Responses		
081009.D								
	0.01 ug/ml	0*	0*	0*	0*	224832	745608	401183
		0*	0*			819200	636185	575143
081010.D								
	0.015 ug/m	0*	0*	0*	0*	221935	742774	420937
		0*	0*			858321	744638	630508
081011.D								
	0.1 ug/ml	0*	0*	0*	0*	204825	698963	389348
		0*	0*			839193	718174	614703
081012.D								
	0.2 ug/ml	0*	1*	0*	2*	218817	716524	402893
		0*	0*			789230	650415	583512
081013.D								
	1 ug/ml 82	6*	6*	10*	10*	211982	683034	394276
		6*	9*			816275	706777	620567
081014.D								
	2 ug/ml 82	13	13	20	19*	203118	699819	420177
		12	19*			897677	754817	633312
081015.D								
	5 ug/ml 82	31	33	50	50	224716	699973	396800
		32	49			808298	705973	626507
081016.D								
	10 ug/ml 8	67*	68*	97	101	241934	794617	449884
		70	99			911007	795931	679179
081017.D								
	16 ug/ml 8	110*	110*	160*	164*	240924	797514	448669
		114	159*			923430	811184	681169
081018.D								
	20 ug/ml 8	137*	138*	197*	212*	258993	890001	476349
		141	208*			991559	808218	700514
081019.D								
	25 ug/ml 8	167*	172*	249*	250*	247453	831238	473660
		179*	266*			970021	769311	620398
081020.D								
	30 ug/ml 8	207*	211*	310*	332*	253192	824084	426835
		221*	319*			884815	728354	593551
081023.D								
	5 ug/ml 82	34	33	50	54	263964	883331	481781
		34	53			1023983	866511	704794

(fails) - fails 12hr time check * - fails criteria

Data Path : Y:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1

Integration File: rteint.p

Method : Y:\Methods\Inst9\DFTPP8270e.M
Title :
Last Update : Fri Jun 12 15:13:39 2020



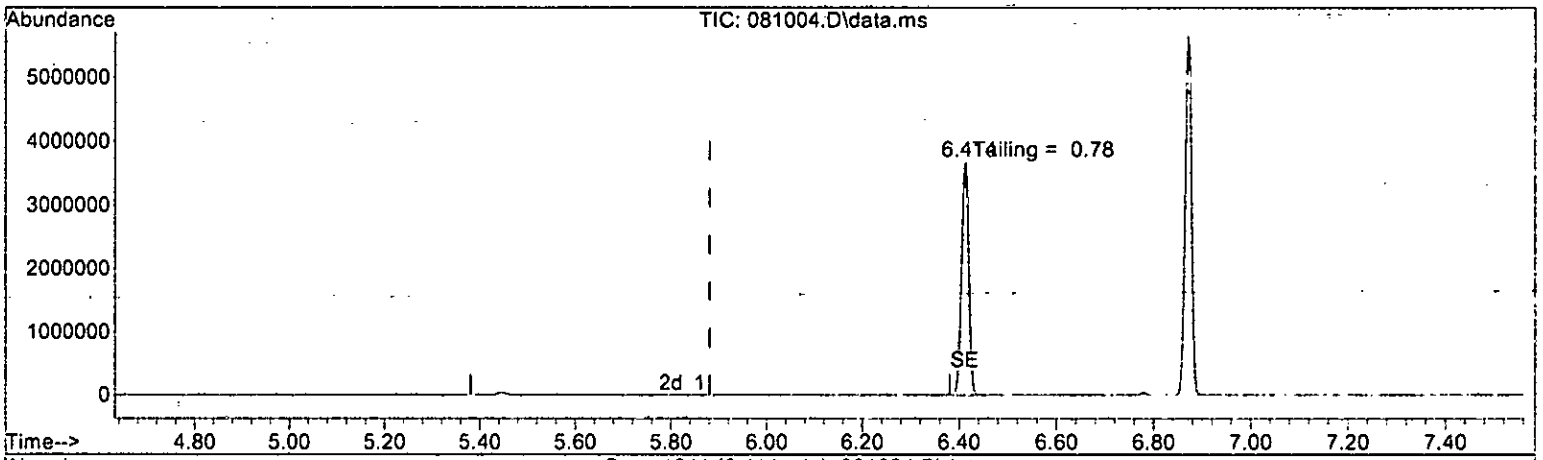
AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1490

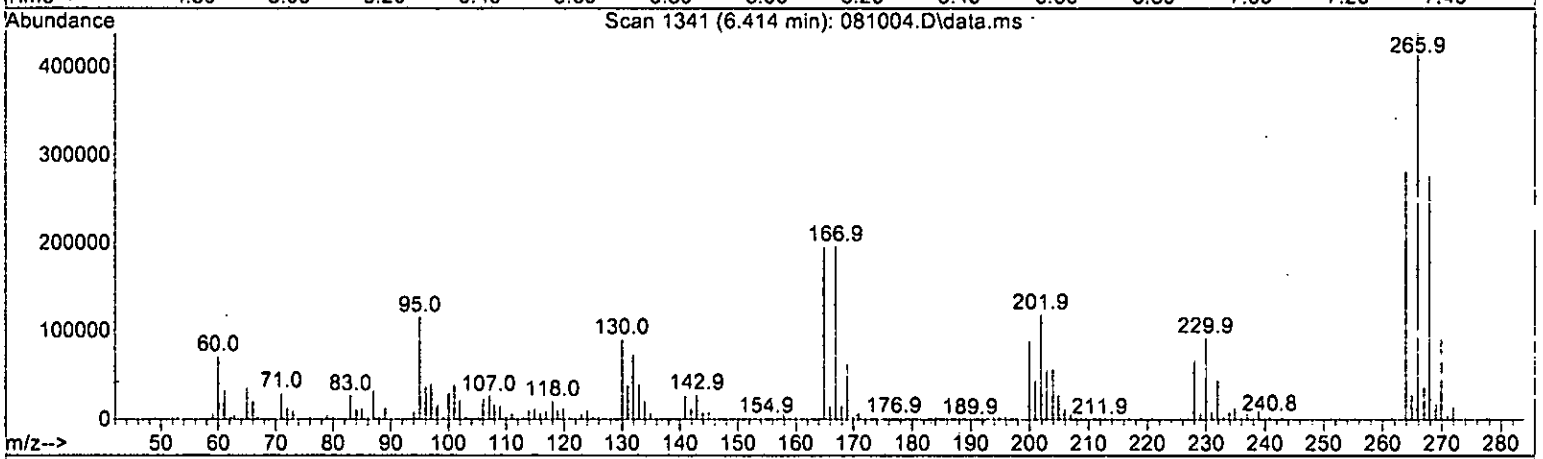
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4639	PASS
69	442	0.01	100	39.9	245248	PASS
70	69	0.00	2	0.6	1534	PASS
197	198	0.00	2	0.0	0	PASS
198	442	0.01	100	88.2	542976	PASS
199	198	5	9	7.1	38461	PASS
365	442	1	100	3.4	20651	PASS
441	443	0.01	150	89.2	107867	PASS
442	442	0.01	100	100.0	615296	PASS
443	442	15	24	19.7	120936	PASS

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(1) Pentachlorophenol

6.414min (+ 0.532) 0.000 m

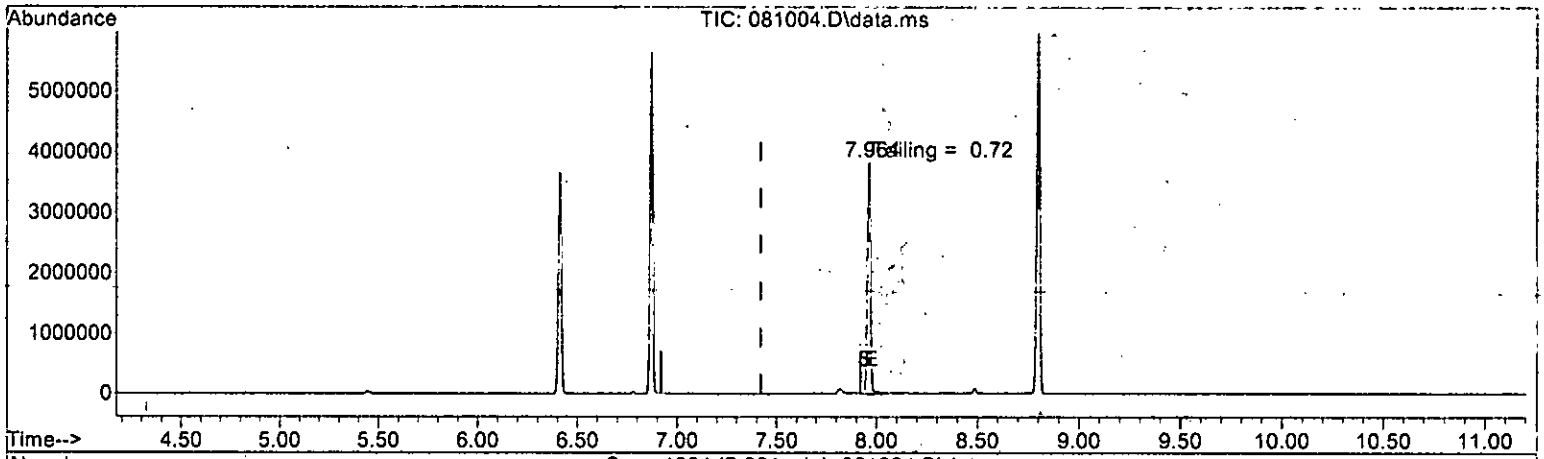
response 3815119

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M



TIC: 081004.D\data.ms

(3) Benzidine

7.964min (+ 0.542) 0.000 m

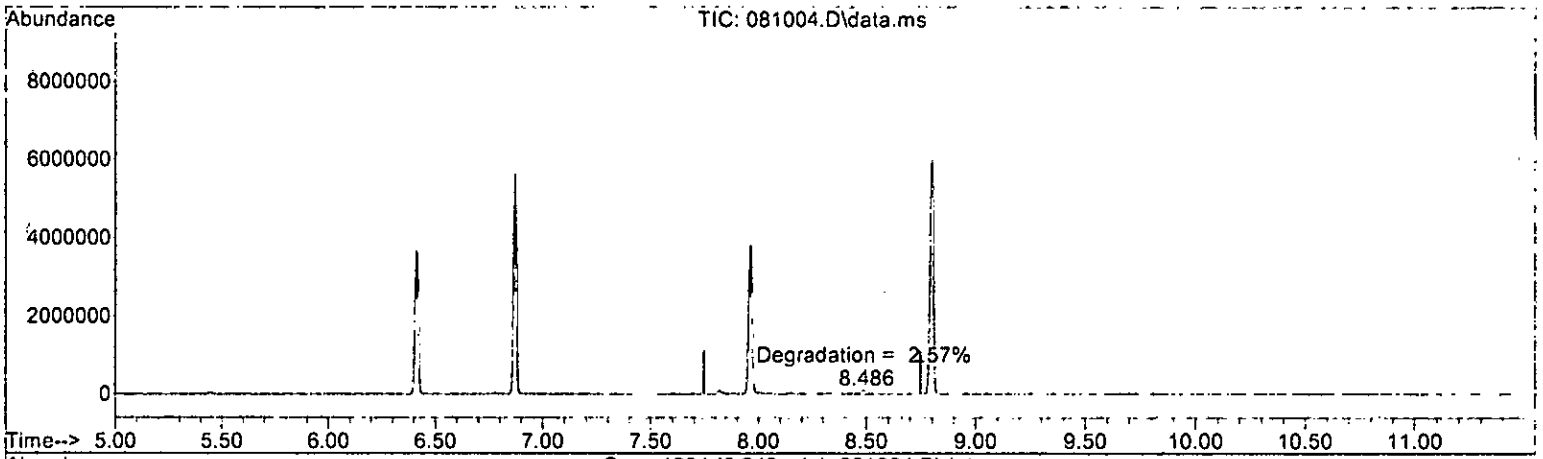
response 4159379

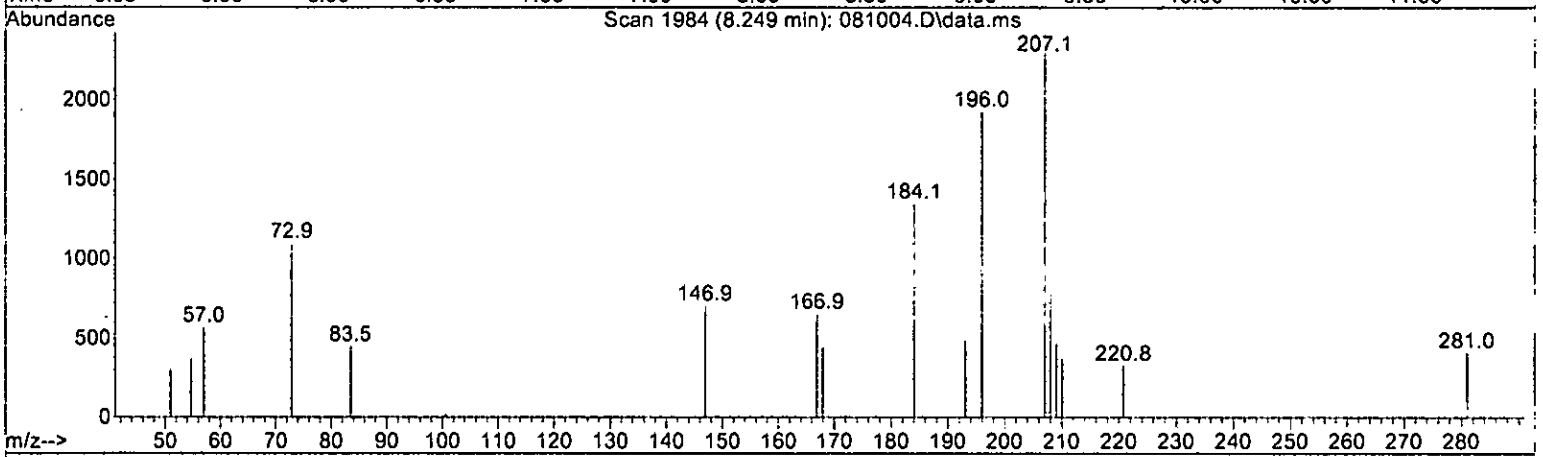
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(6) 4,4'-DDT

8.249min (-8.249) 0.000

response 0

Signal	Exp%	Act%
TIC	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Compound List Report GCMS9

Method Path : N:\Methods\Inst9\
Method File : 081022sms.M
Title : Semivolatiles by SW-846 Method 8270E SS
Last Update : Thu Aug 11 09:38:10 2022
Response Via : Initial Calibration

Total Cpnds : 82

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	5.57	1.000	A	1	A	B
2	T	N-Nitrosodimethylamine	74	3.11	0.559	A	2	A	B
3	S	2-Fluorophenol	112	4.22	0.758	A	1	A	B
4	S	Phenol-d6	99	5.13	0.921	A	2	A	B
5	T	Phenol	-94	5.15	0.924	A	2	A	B
6	T	Bis(2-chloroethyl) ether	63	5.27	0.946	A	2	A	B
7	T	2-Chlorophenol	128	5.34	0.958	A	2	A	B
8	T	1,3-Dichlorobenzene	146	5.51	0.989	A	2	A	B
9	T	1,4-Dichlorobenzene	146	5.58	1.003	A	2	A	B
10	T	1,2-Dichlorobenzene	146	5.75	1.033	A	2	A	B
11	T	Benzyl alcohol	108	5.71	1.024	A	2	A	B
12	T	2,2'-Oxybis(1-chloropropane)	45	5.87	1.054	A	2	A	B
13	T	2-Methylphenol	108	5.82	1.045	A	3	A	B
14	T	Hexachloroethane	117	6.14	1.103	A	2	A	B
15	T	N-Nitroso-di-n-propylamine	70	6.02	1.080	A	3	A	B
16	T	3-Methylphenol + 4-Methylph...	108	6.00	1.076	A	3	A	B
17	I	Naphthalene-d8	136	7.15	1.000	A	1	A	B
18	S	Nitrobenzene-d5	82	6.20	0.867	A	2	A	B
19	T	Nitrobenzene	77	6.22	0.870	A	2	A	B
20	T	Isophorone	82	6.52	0.912	A	2	A	B
21	T	2-Nitrophenol	139	6.63	0.927	A	2	A	B
22	T	2,4-Dimethylphenol	107	6.67	0.932	A	2	A	B
23	T	Benzoic acid	122	6.73	0.941	Q	2	A	B
24	T	Bis(2-chloroethoxy)methane	93	6.81	0.952	A	2	A	B
25	T	2,4-Dichlorophenol	162	6.94	0.970	A	2	A	B
26	T	1,2,4-Trichlorobenzene	180	7.07	0.988	A	2	A	B
27	T	Naphthalene	-128	7.18	1.004	A	2	A	B
28	T	Hexachlorobutadiene	225	7.37	1.030	A	2	A	B
29	T	4-Chloroaniline	127	7.26	1.015	A	3	A	B
30	T	4-Chloro-3-methylphenol	107	8.00	1.119	A	2	A	B
31	T	2-Methylnaphthalene	-142	8.27	1.157	A	1	A	B
32	T	1-Methylnaphthalene	-142	8.44	1.180	A	1	A	B
33	I	Acenaphthene-d10	164	10.22	1.000	A	2	A	B
34	T	Hexachlorocyclopentadiene	237	8.54	0.836	A	2	A	B
35	T	2,4,6-Trichlorophenol	196	8.76	0.857	A	2	A	B
36	T	2,4,5-Trichlorophenol	196	8.81	0.862	A	2	A	B
37	S	2-Fluorobiphenyl	172	8.93	0.874	A	1	A	B
38	T	2-Chloronaphthalene	162	9.14	0.894	A	2	A	B
39	T	2-Nitroaniline	65	9.33	0.913	A	2	A	B
40	T	Dimethyl phthalate	163	9.74	0.952	A	2	A	B
41	T	Acenaphthylene	-152	9.93	0.972	A	2	A	B
42	T	2,6-Dinitrotoluene	165	9.83	0.962	Q	2	A	B
43	T	3-Nitroaniline	65	10.15	0.993	A	2	A	B
44	T	Acenaphthene	-153	10.28	1.006	A	2	A	B
45	T	2,4-Dinitrophenol	184	10.37	1.014	Q	2	A	B
46	T	Dibenzofuran	-168	10.66	1.043	A	1	A	B
47	T	2,4-Dinitrotoluene	165	10.66	1.043	A	2	A	B
48	T	4-Nitrophenol	65	10.51	1.028	Q	2	A	B
49	T	Diethyl phthalate	149	11.23	1.099	A	2	A	B
50	T	Fluorene	-166	11.39	1.114	A	2	A	B
51	T	4-Chlorophenyl phenyl ether	204	11.43	1.119	A	2	A	B
52	T	1,2-Diphenylhydrazine	77	11.78	1.153	A	2	A	B
53	S	2,4,6-Tribromophenol	330	11.91	1.165	A	2	A	B

54	I	Phenanthrene-d10	188	13.50	1.000	A	1	A	B
55	T	N-Nitrosodiphenylamine	169	11.70	0.867	A	2	A	B
56	T	4-Nitroaniline	138	11.44	0.848	A	2	A	B
57	T	4,6-Dinitro-2-methylphenol	198	11.52	0.854	Q	2	A	B
58	T	4-Bromophenyl phenyl ether	248	12.53	0.928	A	2	A	B
59	T	Hexachlorobenzene	284	12.60	0.934	A	2	A	B
60	T	Pentachlorophenol	-266	13.06	0.968	A	2	A	B
61	T	Phenanthrene	-178	13.54	1.004	A	2	A	B
62	T	Anthracene	-178	13.65	1.012	A	2	A	B
63	T	Carbazole	-167	14.07	1.043	A	2	A	B
64	T	Di-n-butyl phthalate	149	15.07	1.116	A	2	A	B
65	T	Fluoranthene	-202	16.35	1.211	A	2	A	B
66	I	Chrysene-d12	240	19.81	1.000	A	2	A	B
67	T	Benzidine	184	16.77	0.846	A	2	A	B
68	T	Pyrene	-202	16.87	0.852	A	2	A	B
69	S	Terphenyl-d14	244	17.38	0.877	A	2	A	B
70	T	Benzyl butyl phthalate	149	18.66	0.942	A	2	A	B
71	T	3,3'-Dichlorobenzidine	252	19.82	1.000	A	2	A	B
72	T	Benz(a)anthracene	-228	19.79	0.999	Q	2	A	B
73	T	Chrysene	-228	19.87	1.003	A	2	A	B
74	T	Bis(2-ethylhexyl) phthalate	149	20.14	1.017	A	2	A	B
75	I	Perylene-d12	264	22.98	1.000	A	2	A	B
76	T	Di-n-octyl phthalate	149	21.64	0.941	Q	2	A	B
77	T	Benzo(a)pyrene	-252	22.86	0.995	A	2	A	B
78	T	Benzo(b)fluoranthene	-252	22.20	0.966	A	2	A	B
79	T	Benzo(k)fluoranthene	-252	22.27	0.969	A	2	A	B
80	T	Indeno(1,2,3-cd)pyrene	-276	25.01	1.088	A	2	A	B
81	T	Dibenz(a,h)anthracene	-278	25.07	1.091	A	2	A	B
82	T	Benzo(g,h,i)perylene	-276	25.52	1.110	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

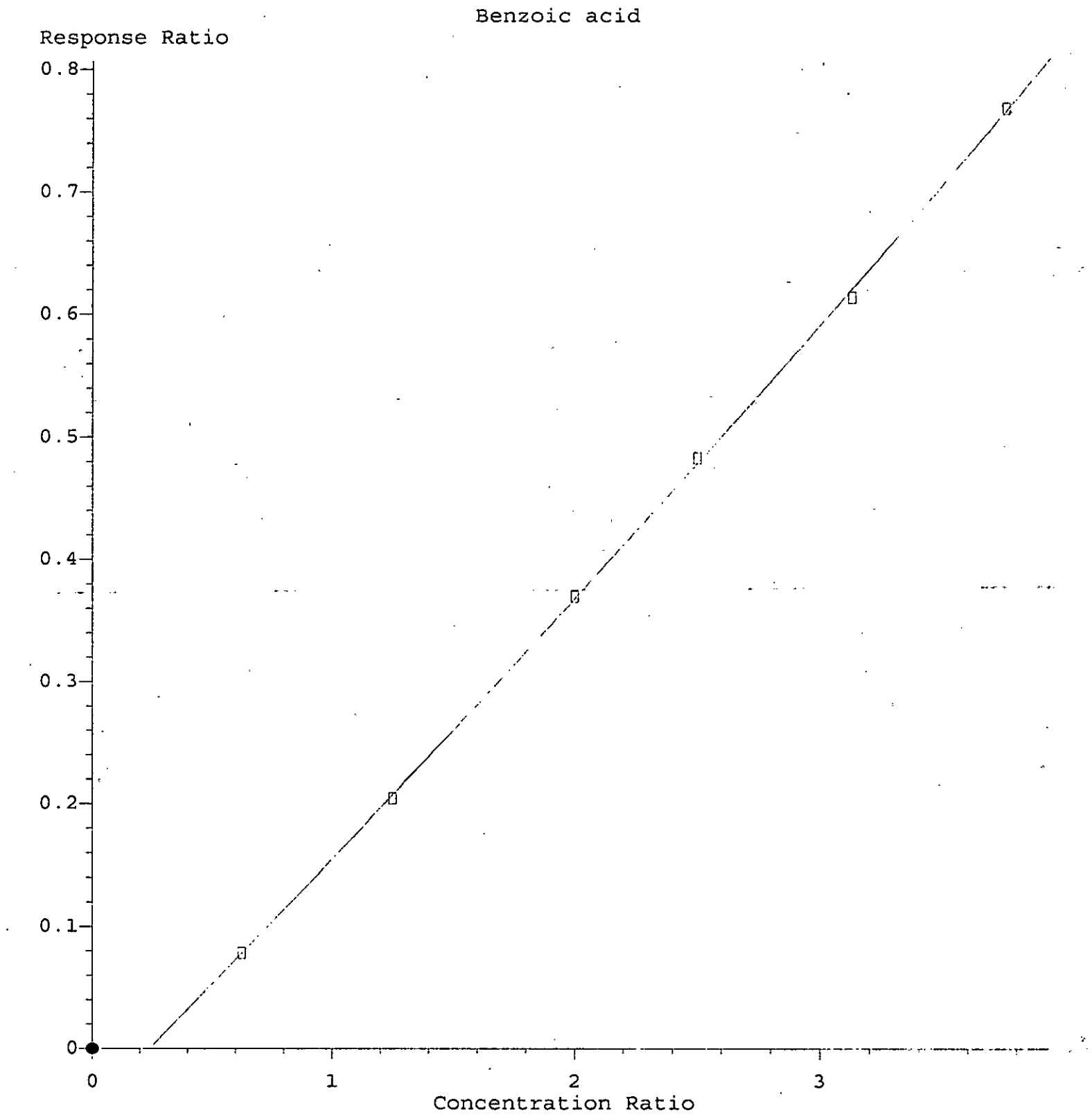
081022sms.M Thu Aug 11 12:19:49 2022

Calibration Status Report GCMS9

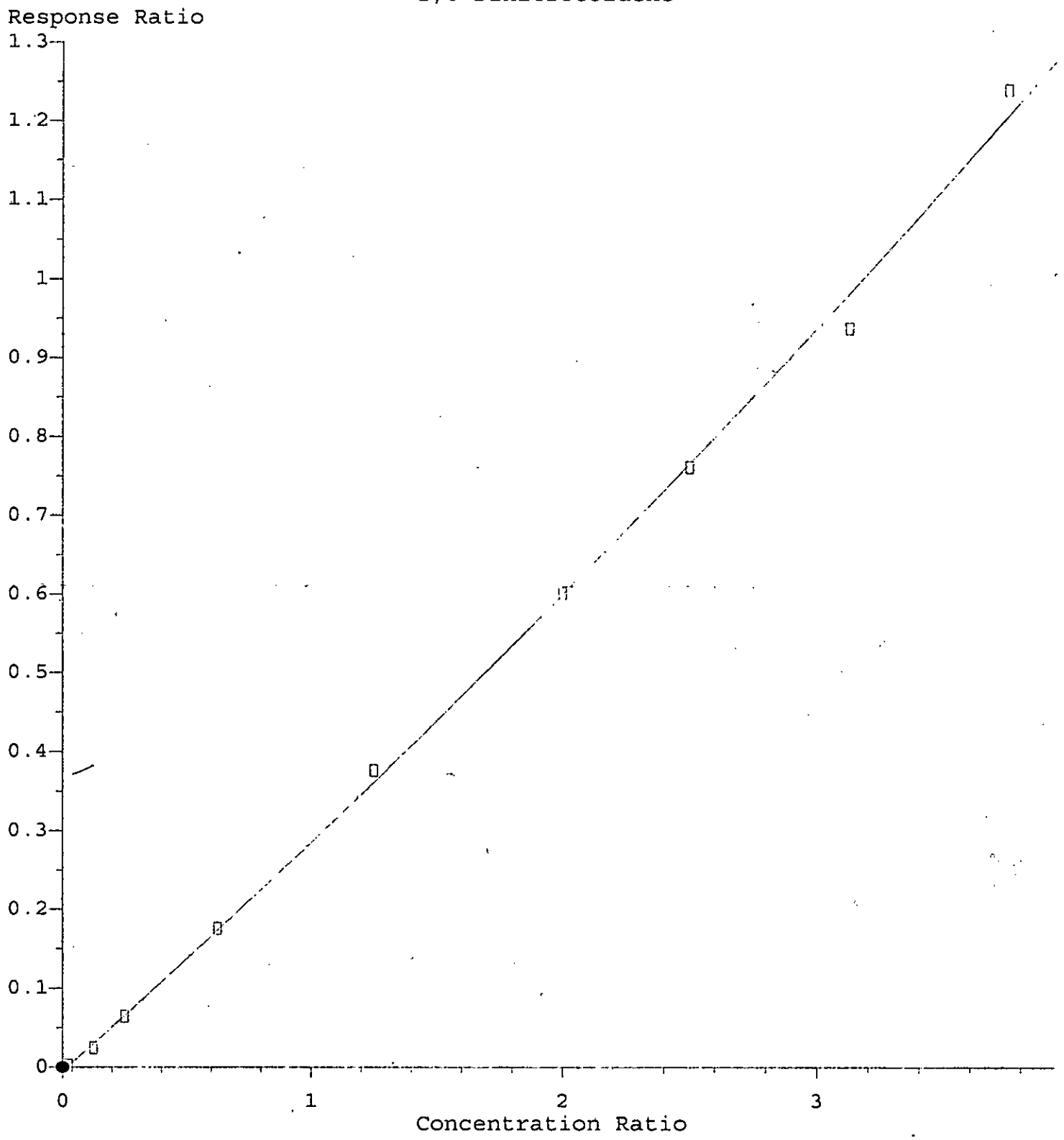
Method Path : N:\Methods\Inst9\
Method File : 081022sms.M
Title : Semivolatiles by SW-846 Method 8270E SS
Last Update : Thu Aug 11 09:38:10 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.01	0	8	N:\Proc_GCMS9\08-10-22\081009.D
2	0.02	0	8	N:\Proc_GCMS9\08-10-22\081010.D
3	0.1	0	8	N:\Proc_GCMS9\08-10-22\081011.D
4	0.2	0	8	N:\Proc_GCMS9\08-10-22\081012.D
5	1	1	8	N:\Proc_GCMS9\08-10-22\081013.D
6	2	2	8	N:\Proc_GCMS9\08-10-22\081014.D
7	5	5	8	N:\Proc_GCMS9\08-10-22\081015.D
8	10	10	8	N:\Proc_GCMS9\08-10-22\081016.D
9	16	16	8	N:\Proc_GCMS9\08-10-22\081017.D
10	20	20	8	N:\Proc_GCMS9\08-10-22\081018.D
11	25	25	8	N:\Proc_GCMS9\08-10-22\081019.D
12	30	30	8	N:\Proc_GCMS9\08-10-22\081020.D

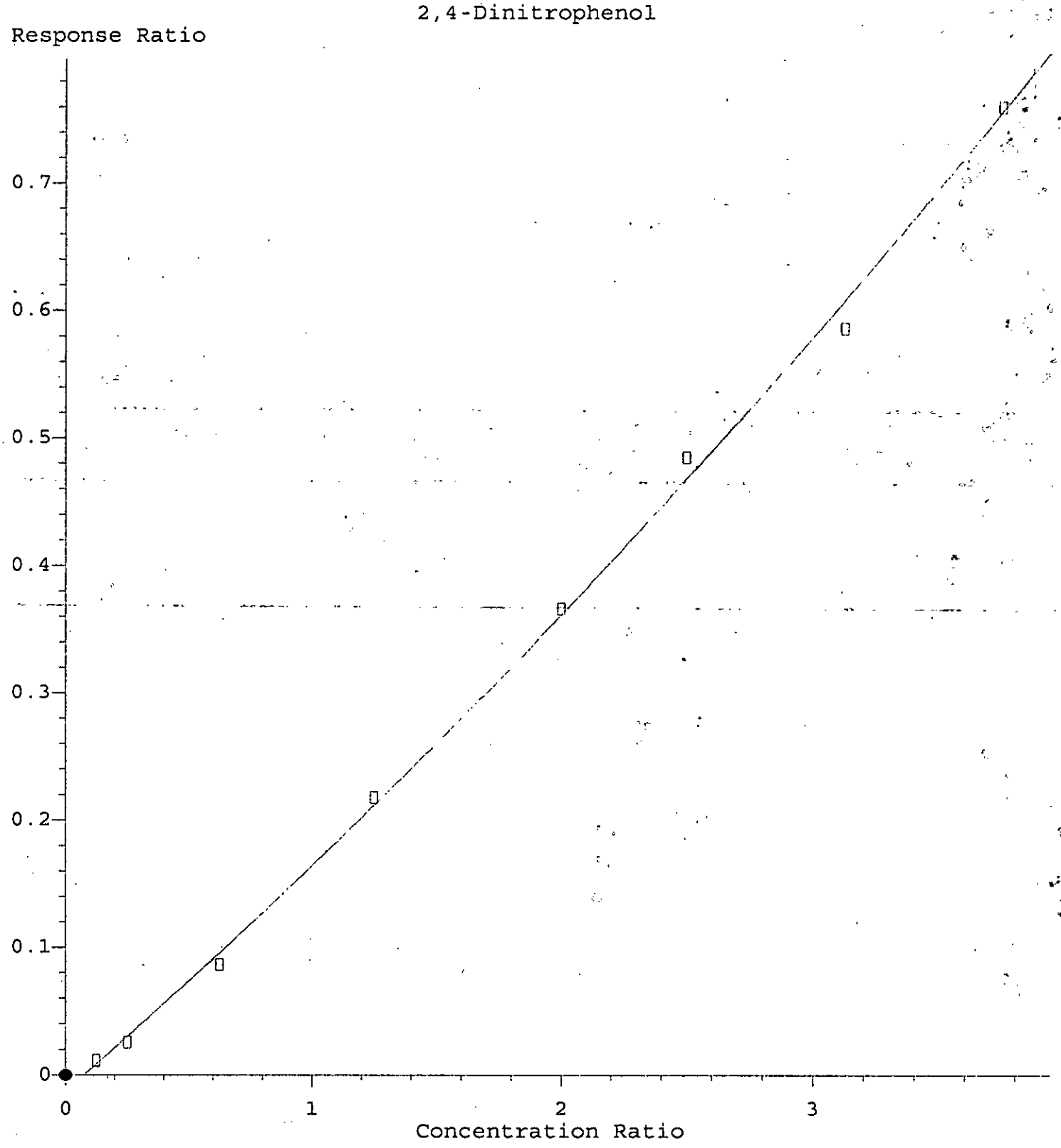
#	ID	Update Time	Quant Time	Acquisition Time
1	0.01	Aug 11 09:32 2022	Aug 11 09:23 2022	10 Aug 2022 3:22 pm
2	0.02	Aug 11 09:32 2022	Aug 11 09:24 2022	10 Aug 2022 3:55 pm
3	0.1	Aug 11 09:32 2022	Aug 11 09:25 2022	10 Aug 2022 4:28 pm
4	0.2	Aug 11 09:32 2022	Aug 11 09:26 2022	10 Aug 2022 5:02 pm
5	1	Aug 11 09:32 2022	Aug 11 09:31 2022	10 Aug 2022 5:35 pm
6	2	Aug 11 09:32 2022	Aug 11 09:31 2022	10 Aug 2022 6:08 pm
7	5	Aug 11 09:32 2022	Aug 11 09:30 2022	10 Aug 2022 6:42 pm
8	10	Aug 11 09:32 2022	Aug 11 09:30 2022	10 Aug 2022 7:15 pm
9	16	Aug 11 09:32 2022	Aug 11 09:32 2022	10 Aug 2022 7:48 pm
10	20	Aug 11 09:32 2022	Aug 11 09:33 2022	10 Aug 2022 8:22 pm
11	25	Aug 11 09:32 2022	Aug 11 09:33 2022	10 Aug 2022 8:55 pm
12	30	Aug 11 09:32 2022	Aug 11 09:35 2022	10 Aug 2022 9:29 pm



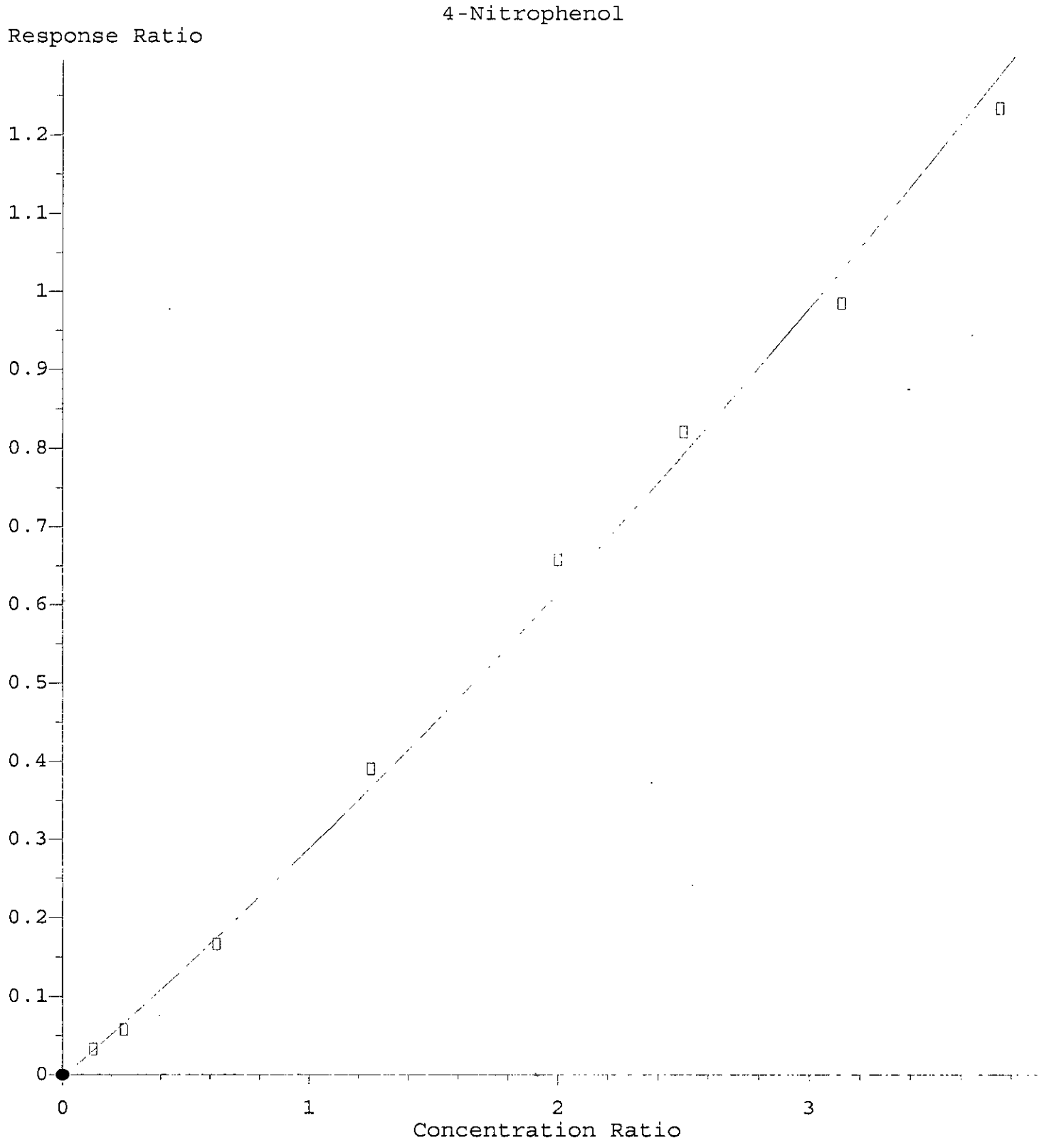
R = 5.37e-003 A*A + 1.97e-001 A - 4.75e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



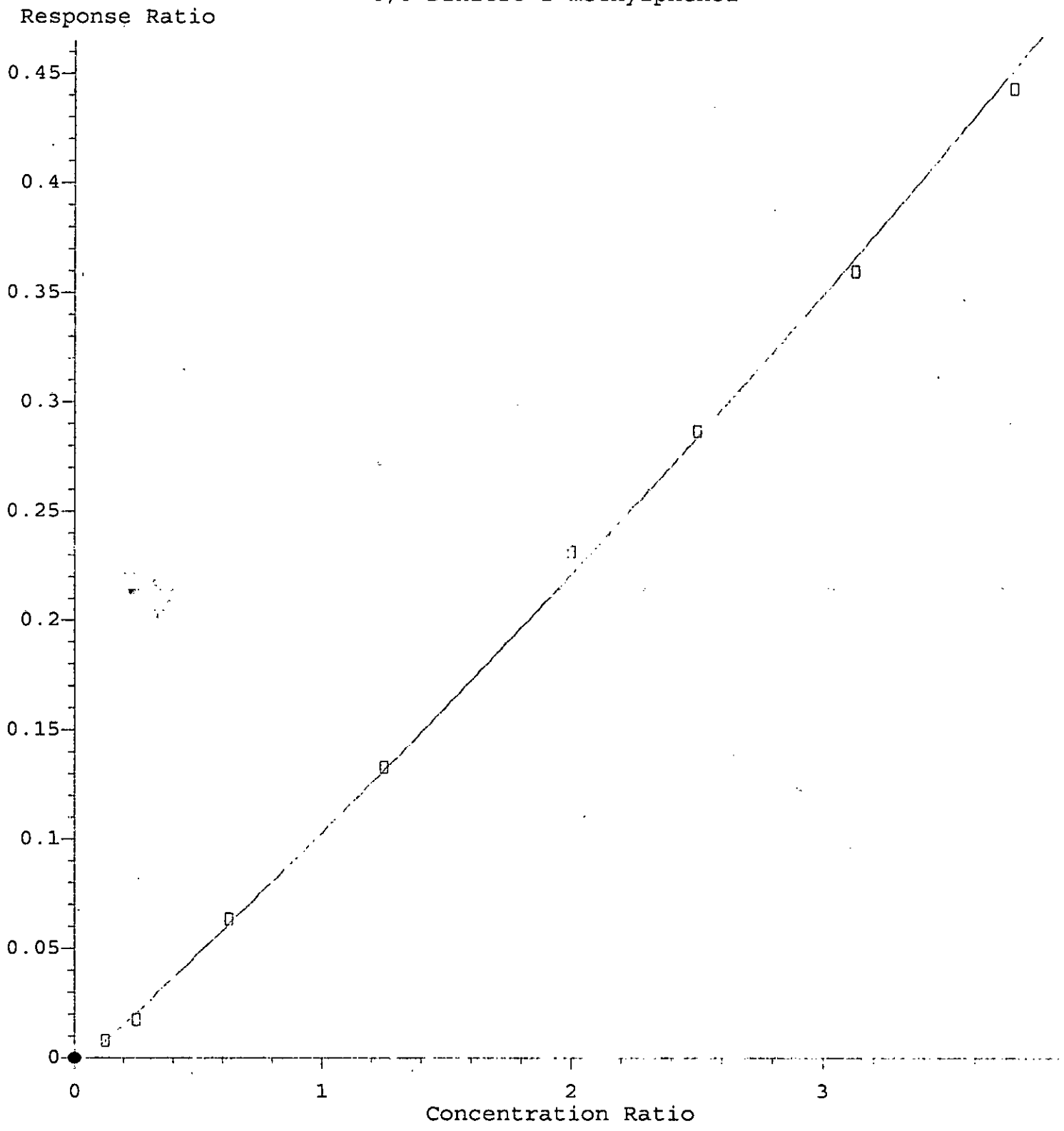
R = 1.20e-002 A*A + 2.78e-001 A - 5.19e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



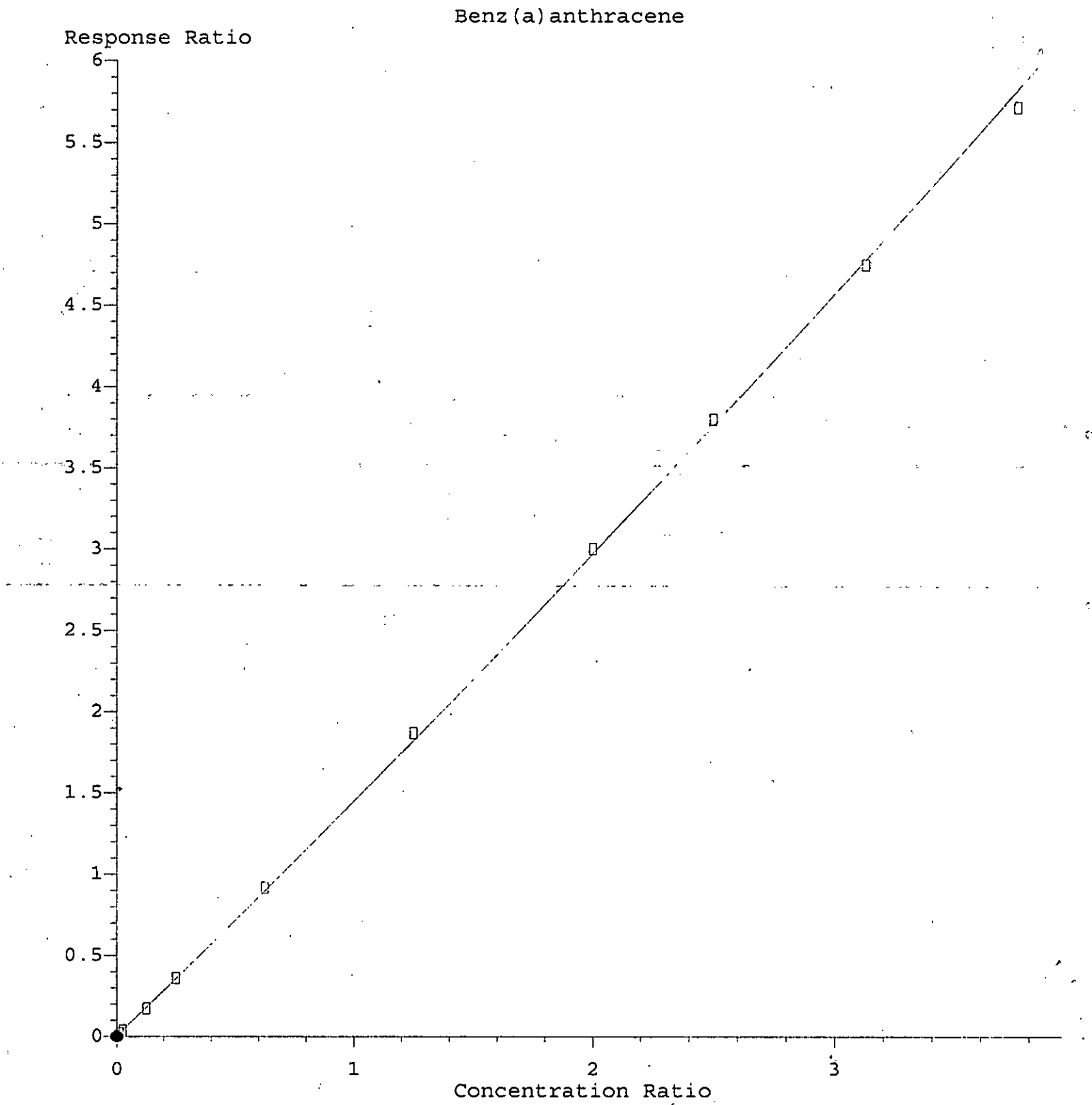
R = 1.04e-002 A*A + 1.66e-001 A - 1.23e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



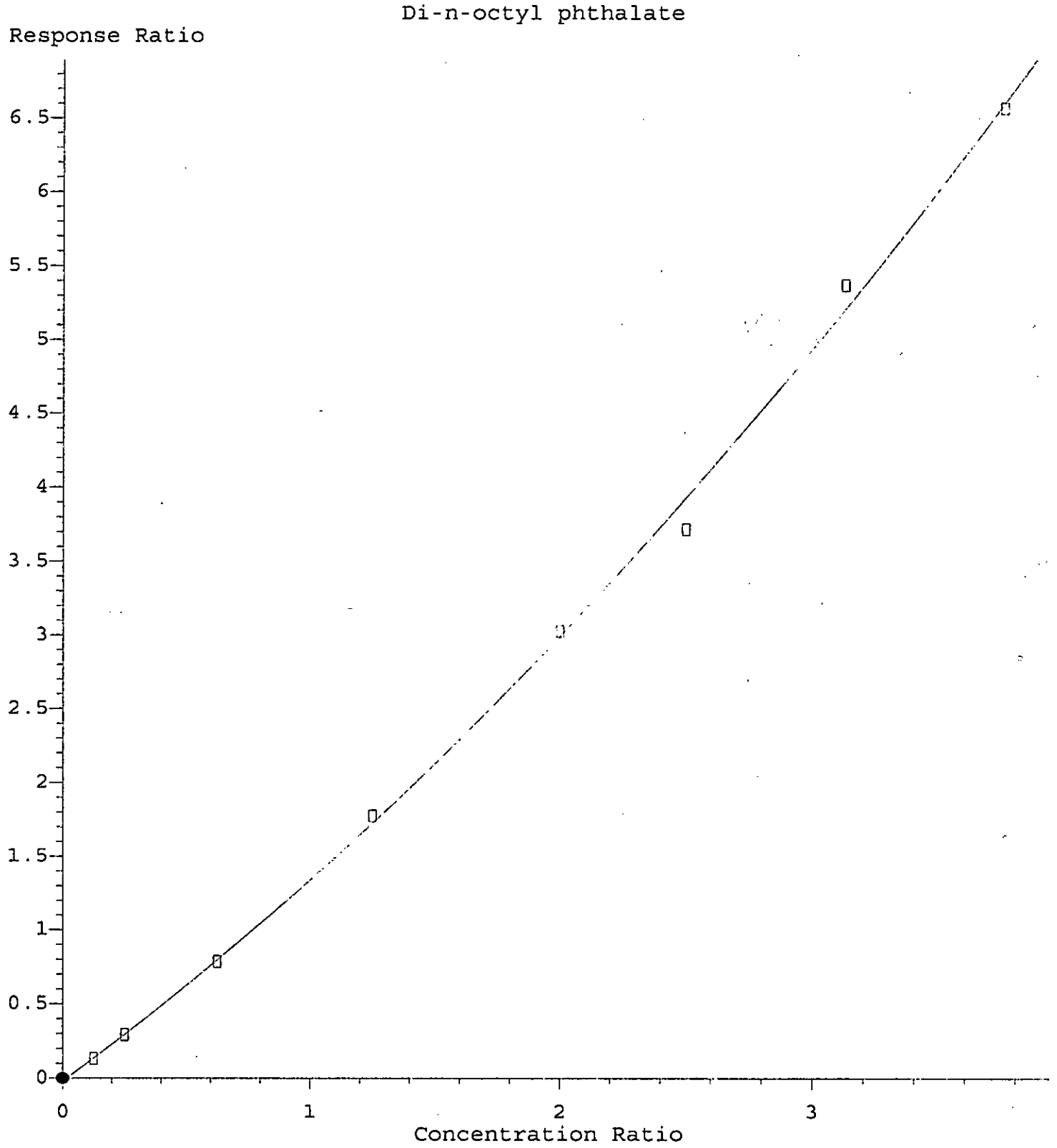
R = 1.81e-002 A*A + 2.73e-001 A - 3.67e-003
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



R = 4.92e-003 A*A + 1.04e-001 A - 5.60e-003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



R = 3.88e-002 A*A + 1.41e+000 A + 3.00e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022

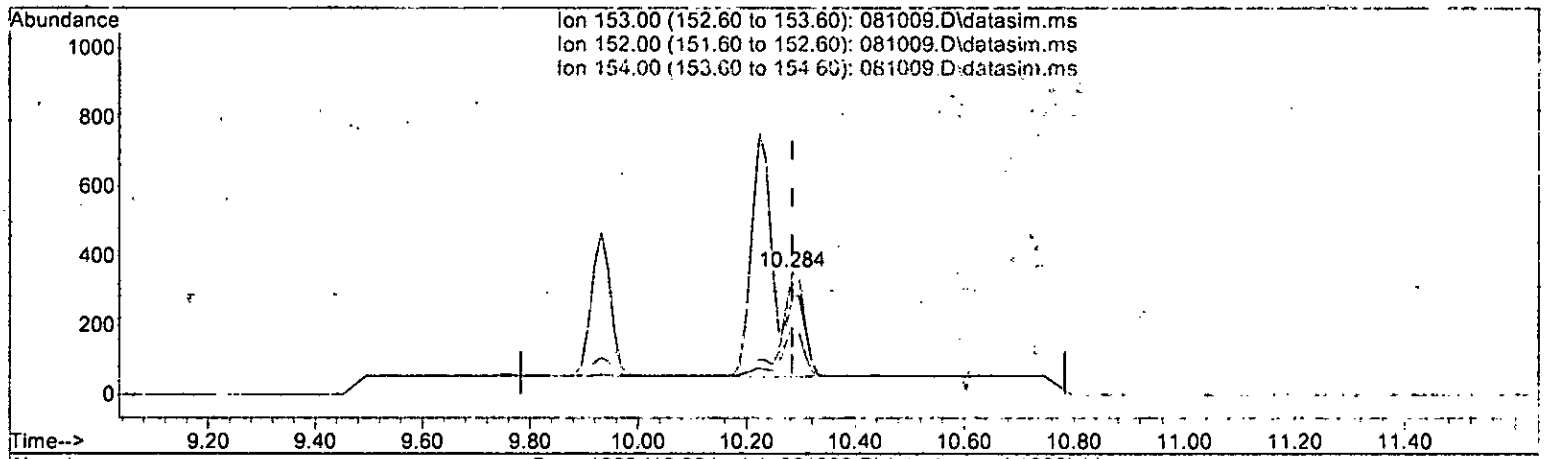


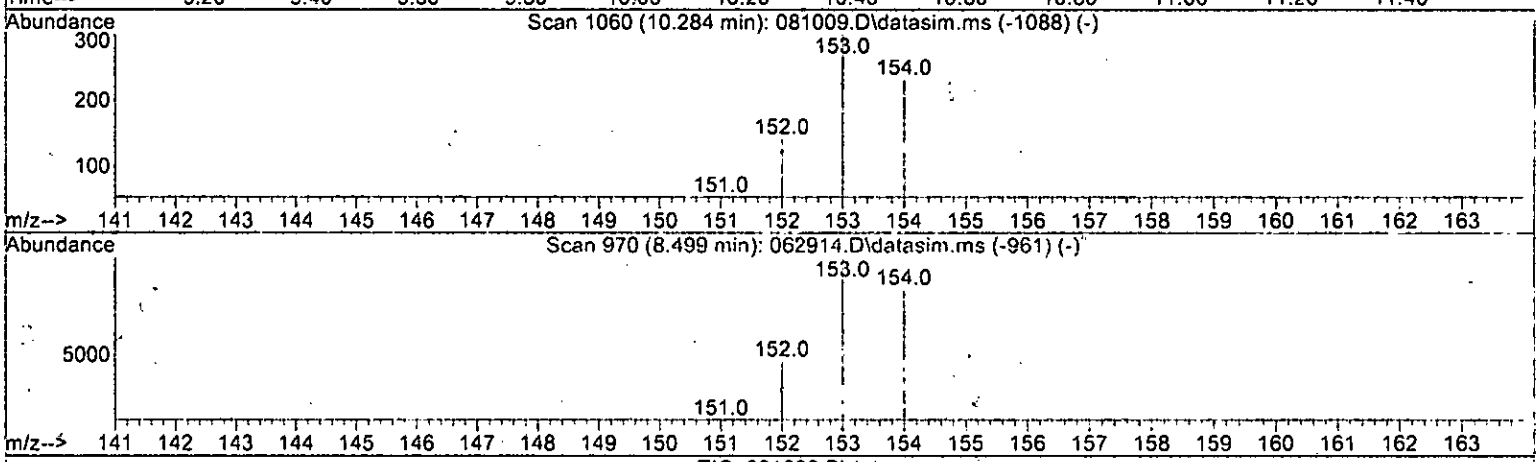
R = 1.48e-001 A*A + 1.21e+000 A - 1.94e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(44) Acenaphthene (TMP)

10.284min (-0.000) 0.012 ug/ml

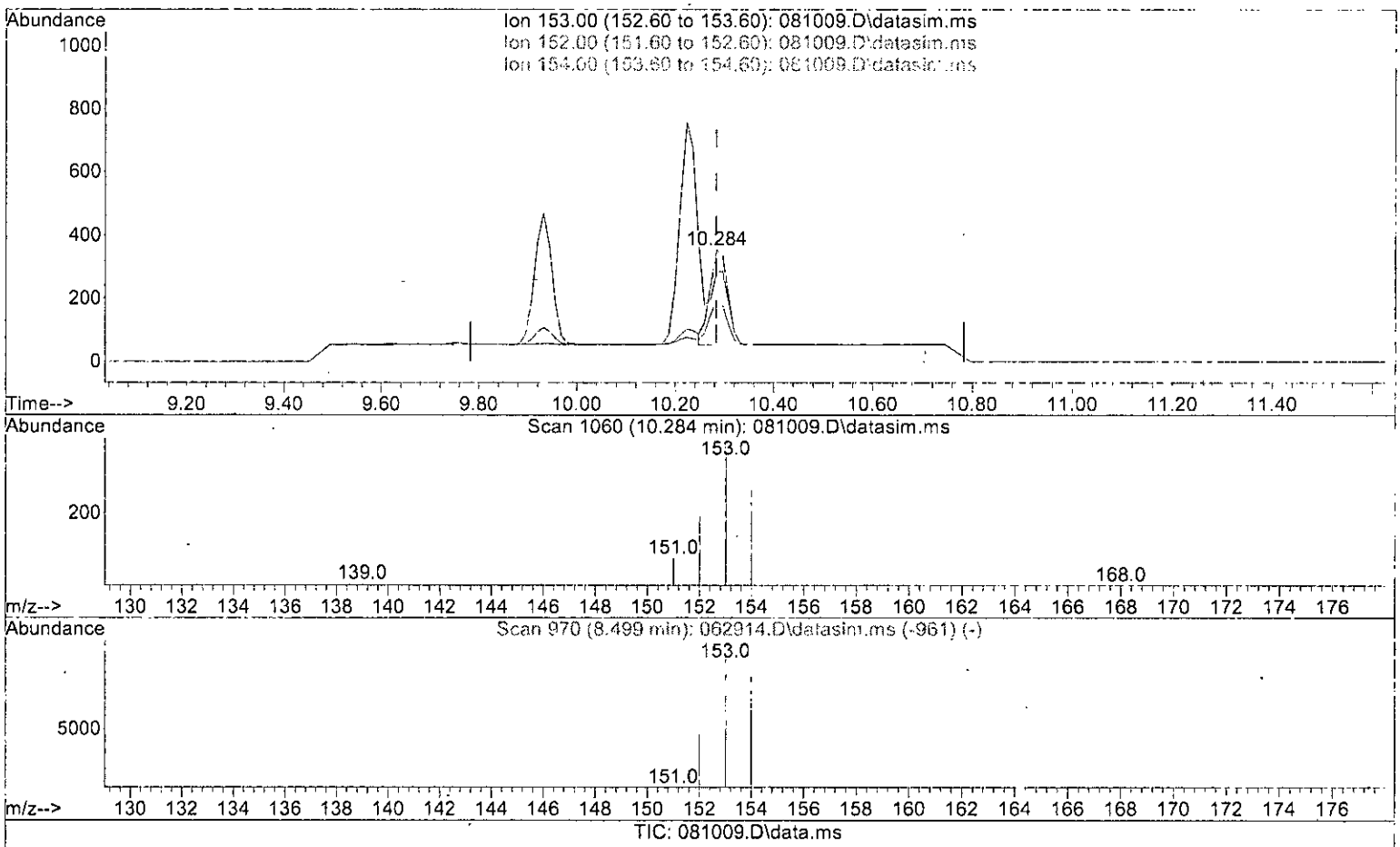
response 914

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	47.02
154.00	80.40	76.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081009.D\data.ms

(44) Acenaphthene (TMP)

10.284min (-0.000) 0.010 ug/ml m

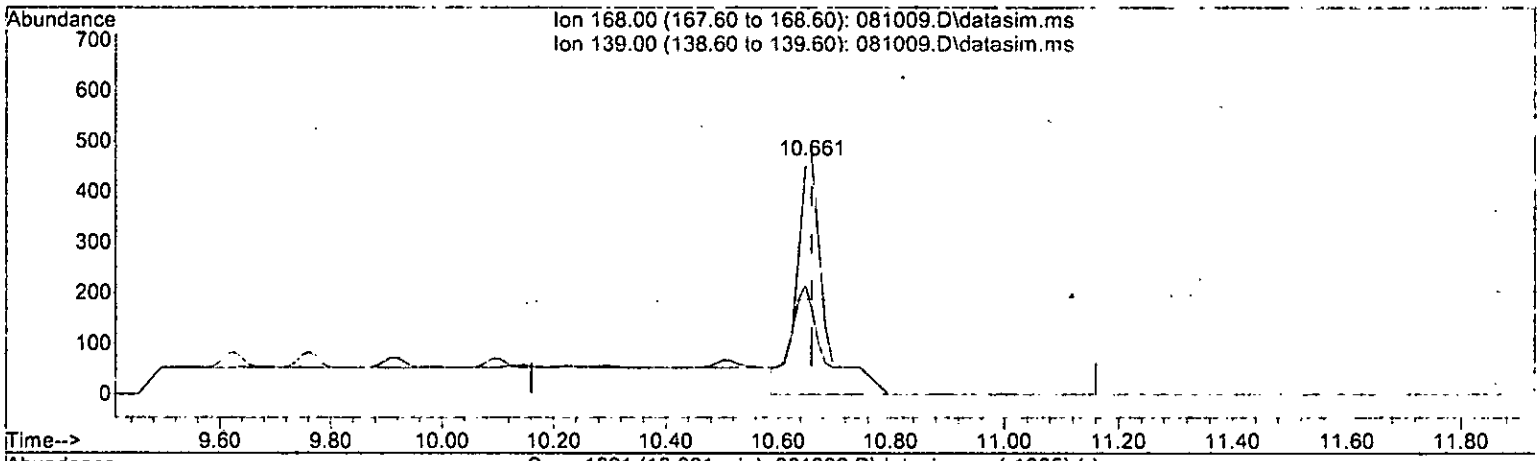
response 758

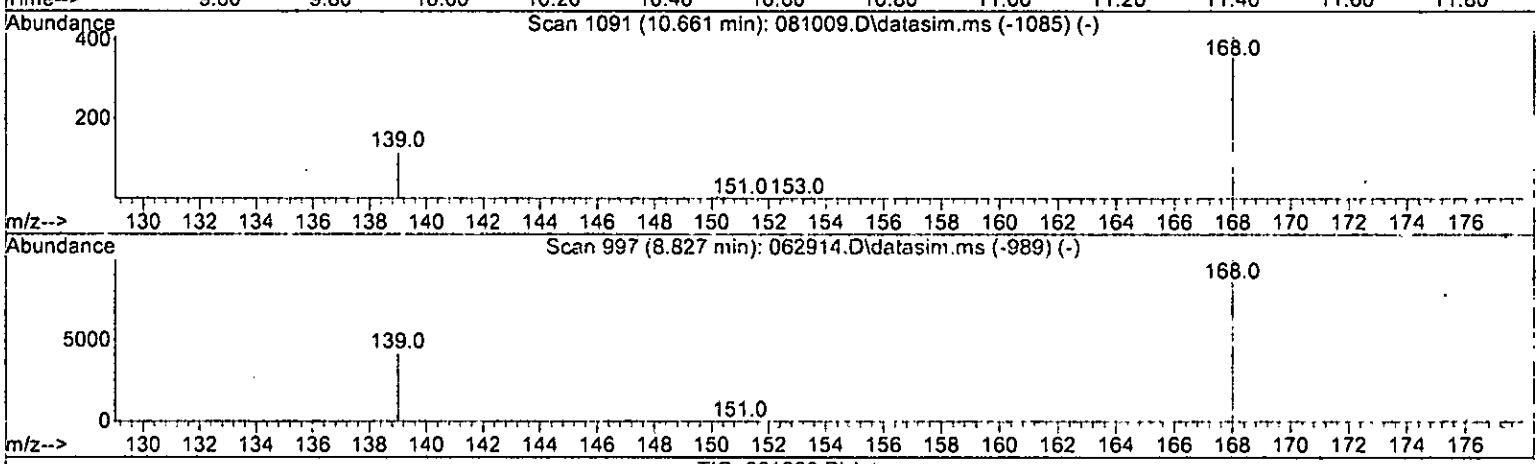
Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	55.65
154.00	80.40	80.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(46) Dibenzofuran (TMP)

10.661min (-0.000) 0.016 ug/ml

response 1840

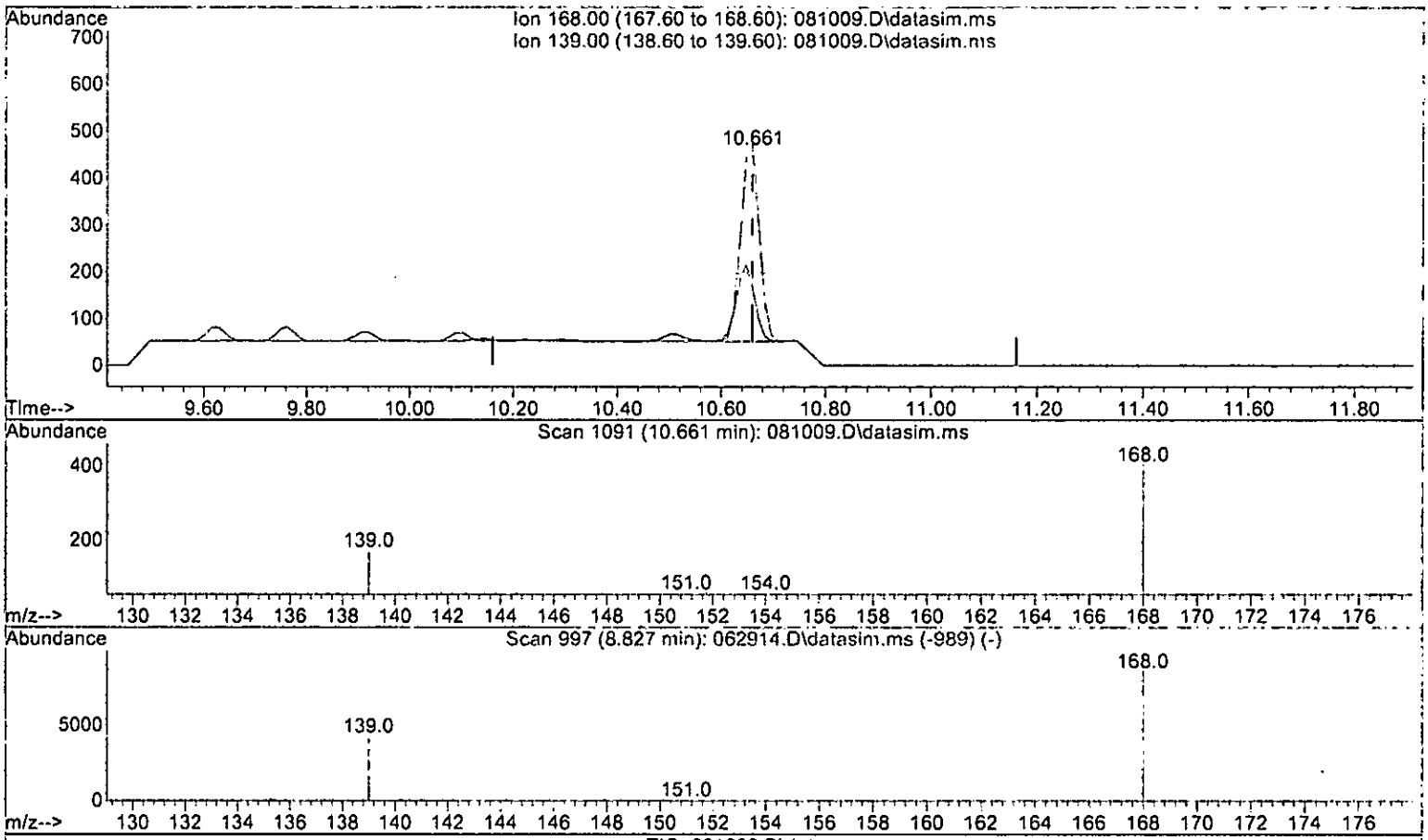
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	36.58
0.00	0.00	0.00
0.00	0.00	0.00

8/11 JM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081009.D\data.ms

(46) Dibenzofuran (TMP)

10.661min (-0.000) 0.009 ug/ml m

response 1060

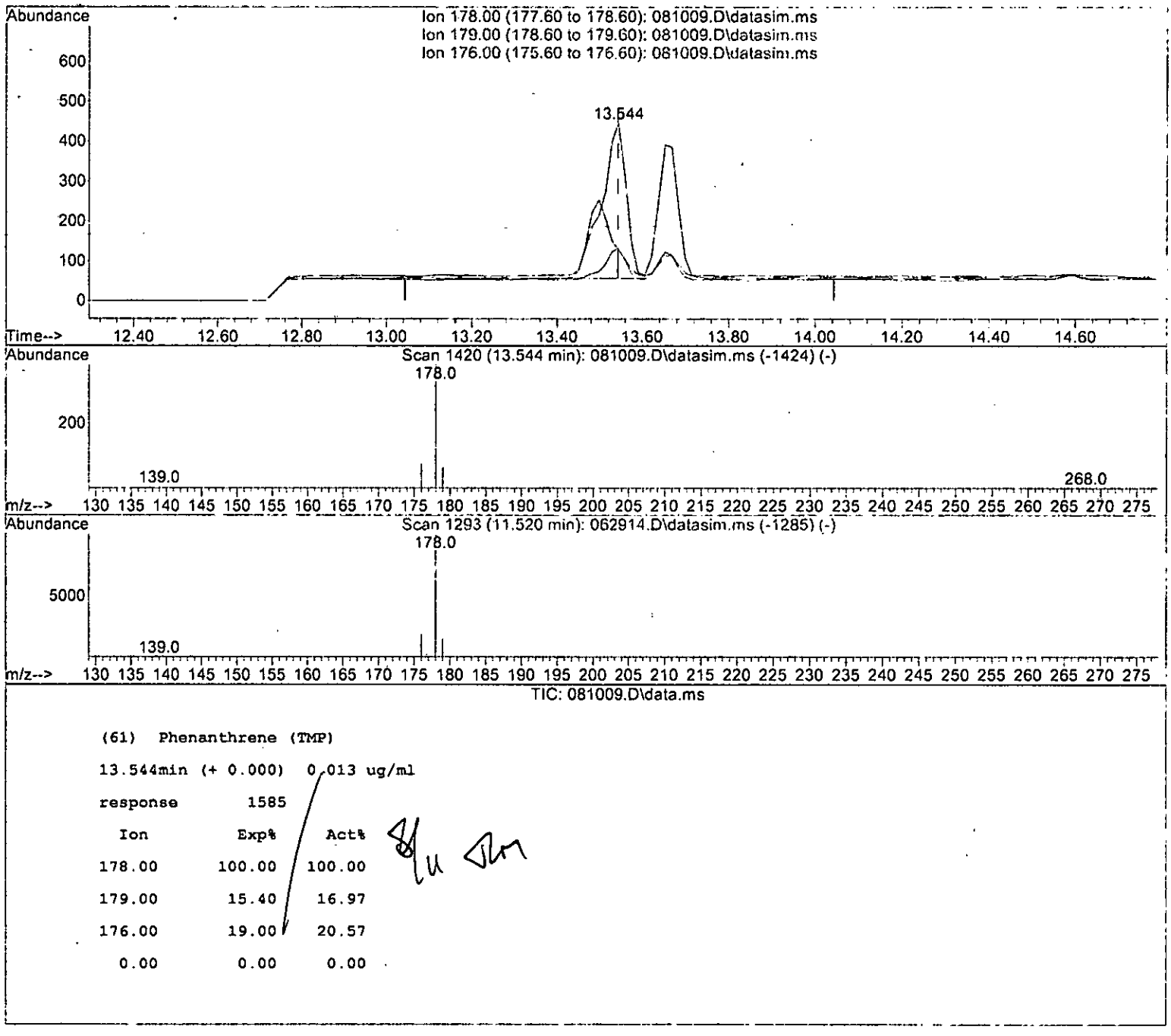
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	36.58
0.00	0.00	0.00
0.00	0.00	0.00

8/11 DM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081009.D\data.ms

(61) Phenanthrene (TMP)

13.544min (+ 0.000) 0.013 ug/ml

response 1585

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	16.97
176.00	19.00	20.57
0.00	0.00	0.00

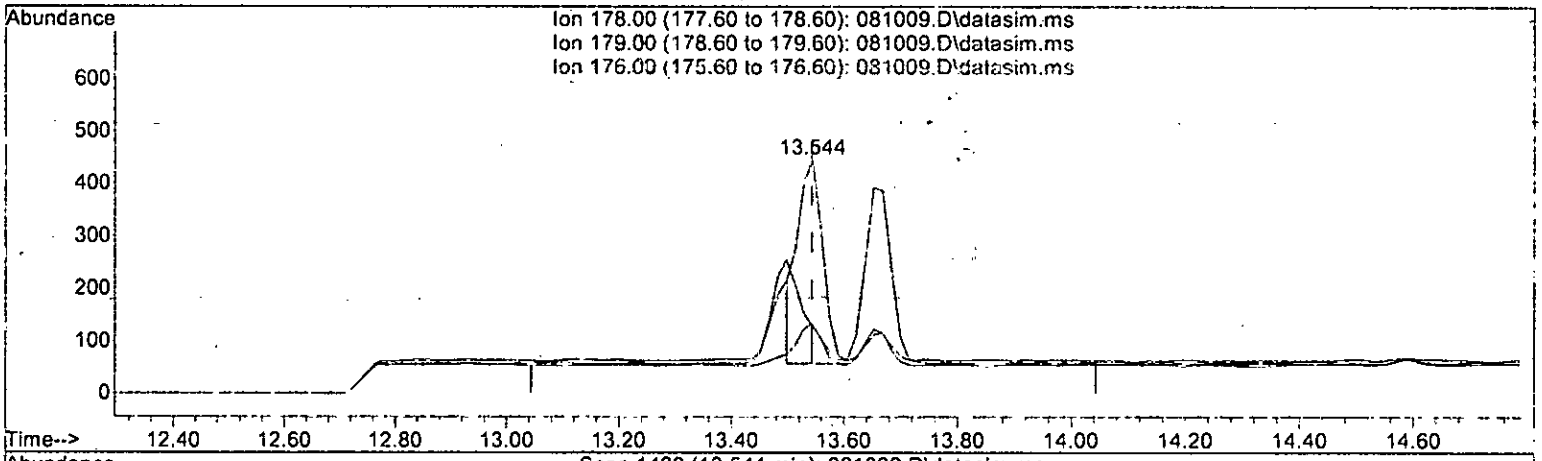
8/11 JM

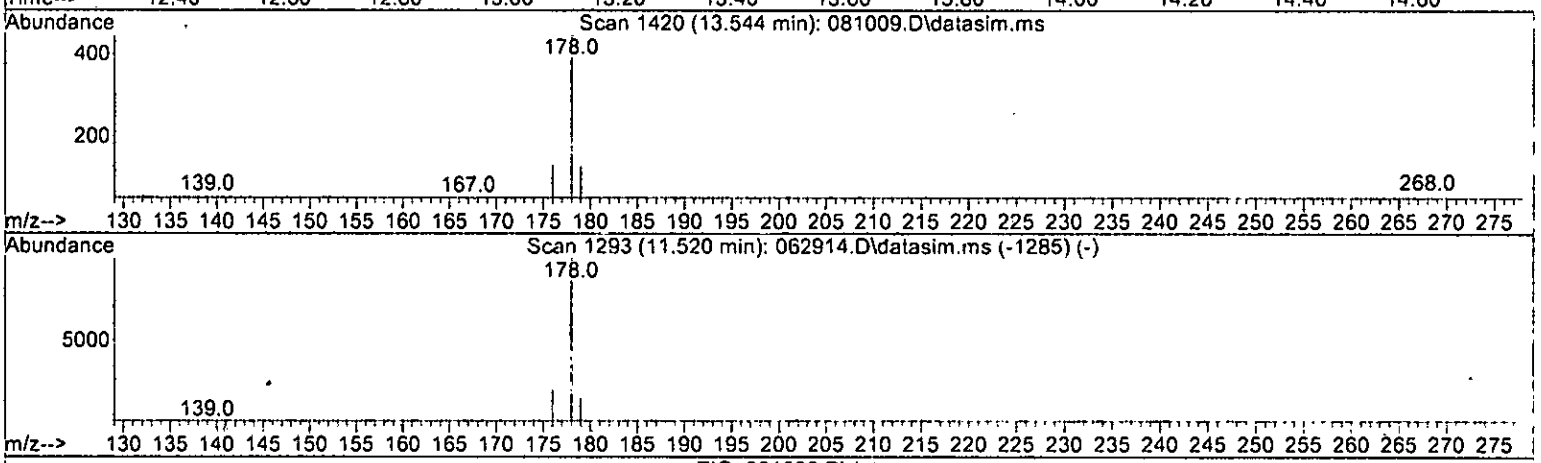
081022sms.M Thu Aug 11 11:38:16 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(61) Phenanthrene (TMP)

13.544min (+ 0.000) 0.010 ug/ml m

response 1227

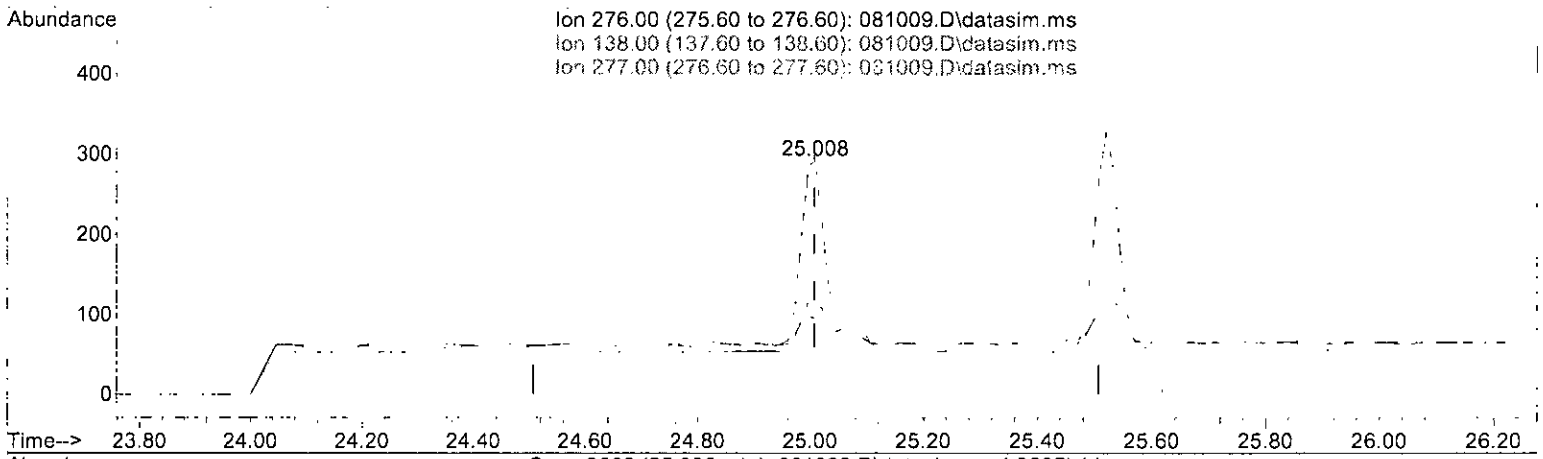
Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	28.92
176.00	19.00	29.82
0.00	0.00	0.00

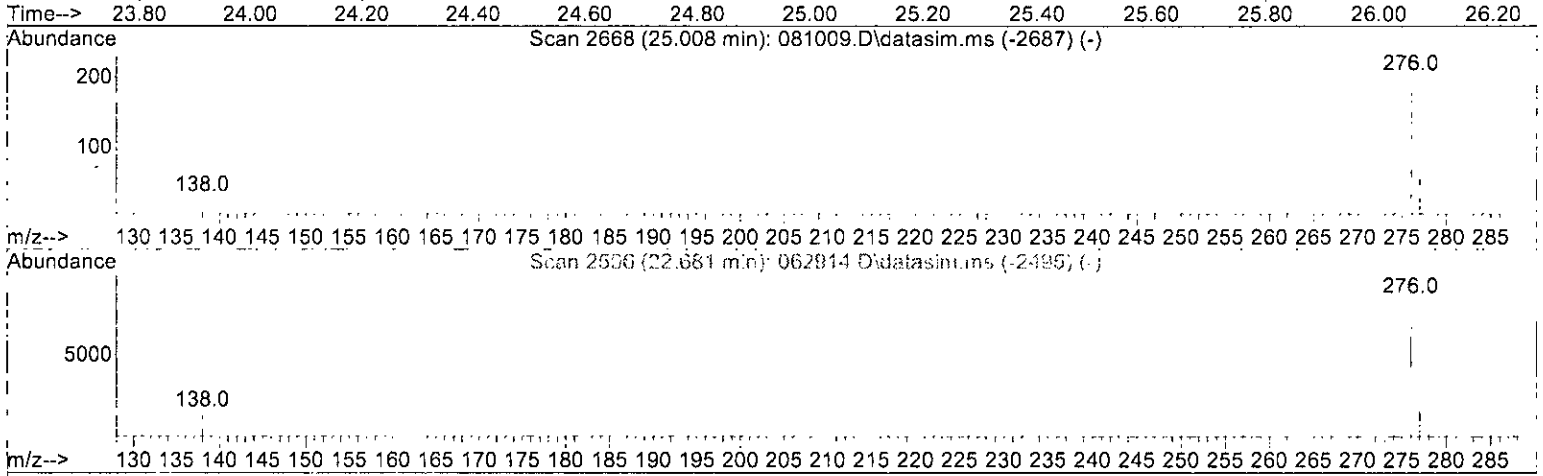
8/11 JLM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 0.012 ug/ml

response 892

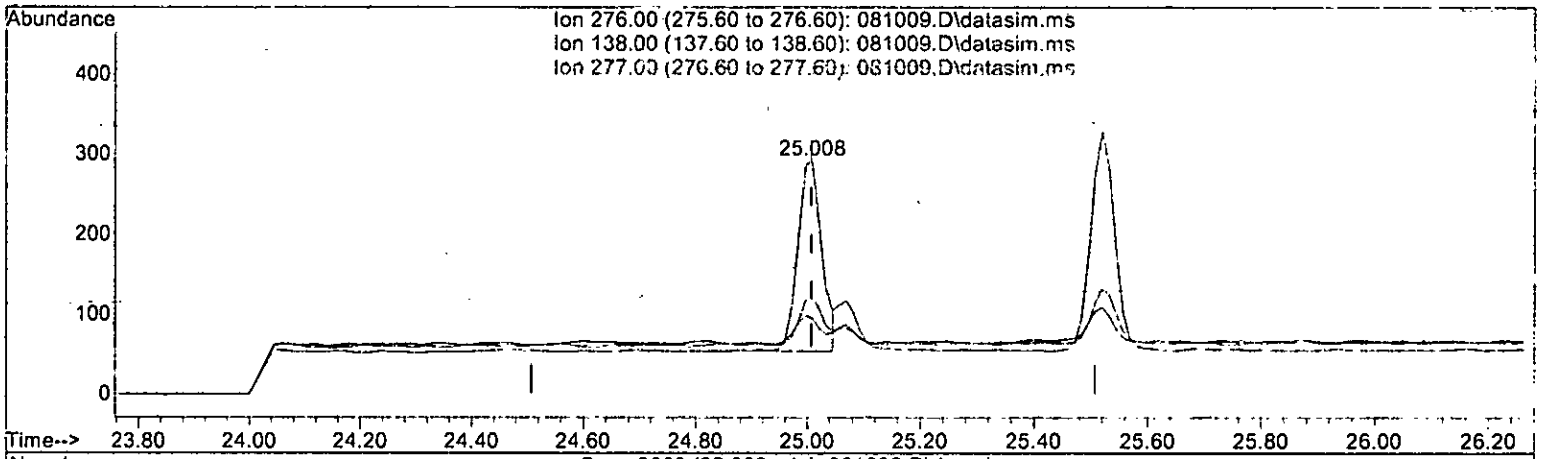
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.45
277.00	24.10	25.63
0.00	0.00	0.00

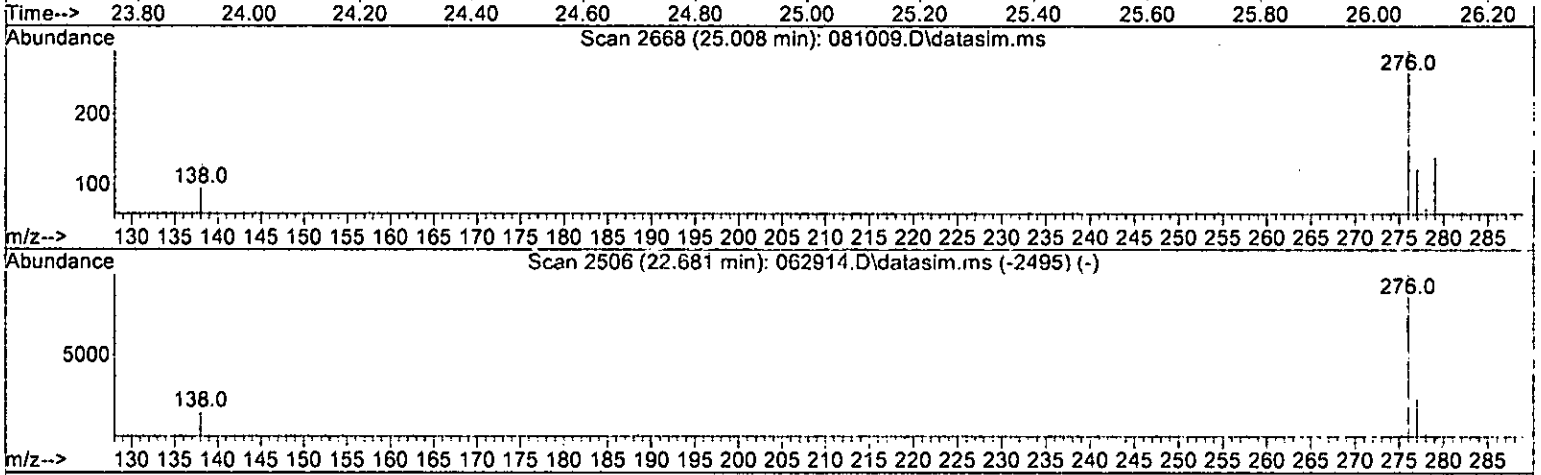
081022sms.M Thu Aug 11 11:38:48 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 0.010 ug/ml m

response 716

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	32.53
277.00	24.10	42.47
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	-1.000	0.000	0.0	0	-5.13#
5	TMP	Phenol	-1.000	0.000	0.0	0	-5.15#
6	TMP	Bis(2-chloroethyl) ether	-1.000	0.000	0.0	0	-5.27#
7	TMP	2-Chlorophenol	-1.000	0.000	0.0	0	-5.34#
8	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-5.51#
9	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-5.58#
10	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-5.75#
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	-1.000	0.000	0.0	0	-5.87#
13	TMP	2-Methylphenol	-1.000	0.000	0.0	0	-5.82#
14	TMP	Hexachloroethane	-1.000	0.000	0.0	0	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	-1.000	0.000	0.0	0	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	-1.000	0.000	0.0	0	-6.00#
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	-1.000	0.000	0.0	0	-6.22#
20	TMP	Isophorone	-1.000	0.000	0.0	0	-6.52#
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	-1.000	0.000	0.0	0	-6.81#
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-7.07#
27	TMP	Naphthalene	0.010	0.010	0.0	100	0.00
28	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-7.37#
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.010	0.010	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.010	0.010	0.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	-1.000	0.000	0.0	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	-1.000	0.000	0.0	0	-8.93#
38	TMP	2-Chloronaphthalene	-1.000	0.000	0.0	0	-9.14#
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.010	0.010	0.0	100	0.00
42	TMP	2,6-Dinitrotoluene	-1.000	0.000	0.0	0	-9.83#
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.010	0.010	0.0	98	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.010	0.009	10.0	97	0.00
47	TMP	2,4-Dinitrotoluene	-1.000	0.000	0.0	0	-10.66#
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.010	0.010	0.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	-1.000	0.000	0.0	0	-11.43#
52	TMP	1,2-Diphenylhydrazine	-1.000	0.000	0.0	0	-11.78#
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	-1.000	0.000	0.0	0	-11.70#
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	-1.000	0.000	0.0	0	-12.53#
59	TMP	Hexachlorobenzene	-1.000	0.000	0.0	0	-12.60#
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.010	0.010	0.0	104	0.00
62	TMP	Anthracene	0.010	0.009	10.0	100	0.00
63	TMP	Carbazole	-1.000	0.010	0.0	0	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.010	0.0	0	0.00
65	TMP	Fluoranthene	0.010	0.009	10.0	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.010	0.010	0.0	100	0.01
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	-1.000	0.000	0.0	0	-19.79#
73	TMP	Chrysene	0.010	0.010	0.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.010	0.009	10.0	100	0.00
78	TMP	Benzo(b)fluoranthene	0.010	0.009	10.0	100	0.00
79	TMP	Benzo(k)fluoranthene	0.010	0.009	10.0	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	0.010	0.010	0.0	101	0.00
81	TMP	Dibenz(a,h)anthracene	0.010	0.010	0.0	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.010	0.011	-10.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	0.000#	100.0#	0#	-5.13#
5	TMP	Phenol	1.625	0.000#	100.0#	0#	-5.15#
6	TMP	Bis(2-chloroethyl) ether	1.254	0.000#	100.0#	0#	-5.27#
7	TMP	2-Chlorophenol	1.210	0.000#	100.0#	0#	-5.34#
8	TMP	1,3-Dichlorobenzene	1.446	0.000#	100.0#	0#	-5.51#
9	TMP	1,4-Dichlorobenzene	1.421	0.000#	100.0#	0#	-5.58#
10	TMP	1,2-Dichlorobenzene	1.413	0.000#	100.0#	0#	-5.75#
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	0.000#	100.0#	0#	-5.87#
13	TMP	2-Methylphenol	1.055	0.000#	100.0#	0#	-5.82#
14	TMP	Hexachloroethane	0.629	0.000#	100.0#	0#	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.000#	100.0#	0#	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	1.090	0.000#	100.0#	0#	-6.00#
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.000#	100.0#	0#	-6.22#
20	TMP	Isophorone	0.690	0.000#	100.0#	0#	-6.52#
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.000#	100.0#	0#	-6.81#
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.000#	100.0#	0#	-7.07#
27	TMP	Naphthalene	1.188	1.235	-4.0	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.000#	100.0#	0#	-7.37#
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.741	2.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.698	3.9	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	0.000#	100.0#	0#	-8.93#
38	TMP	2-Chloronaphthalene	1.237	0.000#	100.0#	0#	-9.14#
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.048	3.6	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.000#	100.0#	0#	-9.83#
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.512	-1.5	98	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.114	9.9	97	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.510	1.7	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.000#	100.0#	0#	-11.43#
52	TMP	1,2-Diphenylhydrazine	1.356	0.000#	100.0#	0#	-11.78#
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.000#	100.0#	0#	-11.70#
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.000#	100.0#	0#	-12.53#
59	TMP	Hexachlorobenzene	0.293	0.000#	100.0#	0#	-12.60#
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.198	0.3	104	0.00
62	TMP	Anthracene	1.177	1.053	10.5	100	0.00
63	TMP	Carbazole	0.901	0.000#	100.0#	0#	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	0.00
65	TMP	Fluoranthene	1.367	1.237	9.5	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.631	2.6	100	0.01
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%.

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	0.000#	100.0#	0#	-19.79#
73	TMP	Chrysene	1.403	1.363	2.9	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.142	6.6	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.420	5.5	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.324	8.2	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.996	1.0	101	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.011	-0.6	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.123	-7.0	100	0.00

(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	224832	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	745608	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	401183	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	819200	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	636185	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	575143	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	0.00	99	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 49		Recovery =	0.00%#		
18) Nitrobenzene-d5	0.00	82	0	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	0.00	172	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 25 - 128		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.00	330	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.	d	
5) Phenol	0.00		0	N.D.	d	
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
9) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
10) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	0.00		0	N.D.	d	
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	0.00		0	N.D.		
20) Isophorone	0.00		0	N.D.	d	
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.		

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	0.00		0	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27]	Naphthalene	7.18	128	1151	0.010	ug/ml	98
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	0.00		0	N.D.	d	
30)	4-Chloro-3-methylphenol	0.00		0	N.D.		
31]	2-Methylnaphthalene	8.27	142	691	0.010	ug/ml	98
32]	1-Methylnaphthalene	8.44	142	651	0.010	ug/ml	98
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.	d	
39)	2-Nitroaniline	0.00		0	N.D.		
40)	Dimethyl phthalate	0.00		0	N.D.		
41]	Acenaphthylene	9.93	152	1027	0.010	ug/ml	98
42)	2,6-Dinitrotoluene	0.00		0	N.D.		
43)	3-Nitroaniline	0.00		0	N.D.	d	
44]	Acenaphthene	10.28	153	758m	0.010	ug/ml	
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46]	Dibenzofuran	10.66	168	1060m	0.009	ug/ml	
47)	2,4-Dinitrotoluene	0.00		0	N.D.		
48)	4-Nitrophenol	0.00		0	N.D.		
49)	Diethyl phthalate	0.00		0	N.D.	d	
50]	Fluorene	11.39	166	757	0.010	ug/ml	100
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55)	N-Nitrosodiphenylamine	0.00		0	N.D.	d	
56)	4-Nitroaniline	0.00		0	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	0.00		0	N.D.		
61]	Phenanthrene	13.54	178	1227m	0.010	ug/ml	
62]	Anthracene	13.65	178	1078	0.009	ug/ml	98
63]	Carbazole	14.07	167	881	0.010	ug/ml	96
64)	Di-n-butyl phthalate	15.07	149	1376	0.010	ug/ml	80
65]	Fluoranthene	16.35	202	1267	0.009	ug/ml	99
67)	Benzidine	0.00		0	N.D.		
68]	Pyrene	16.88	202	1297	0.010	ug/ml	93
70)	Benzyl butyl phthalate	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

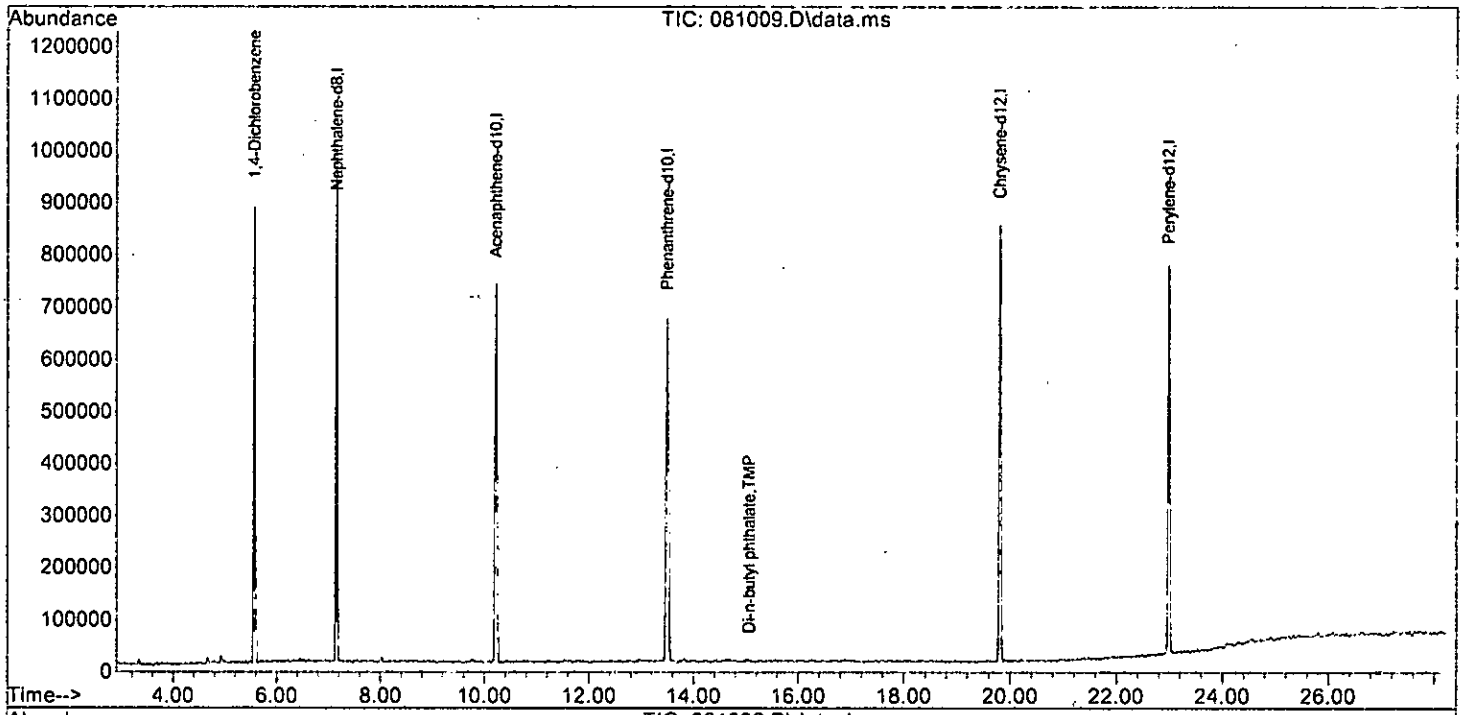
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	3,3'-Dichlorobenzidine	0.00		0	N.D.		
72)	Benz(a)anthracene	0.00		0	N.D.	d	
73]	Chrysene	19.87	228	1084	0.010	ug/ml	98
74)	Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76)	Di-n-octyl phthalate	0.00		0	N.D.	d	
77]	Benzo(a)pyrene	22.87	252	821	0.009	ug/ml	99
78]	Benzo(b)fluoranthene	22.20	252	1021	0.009	ug/ml	100
79]	Benzo(k)fluoranthene	22.26	252	952	0.009	ug/ml	94
80]	Indeno(1,2,3-cd)pyrene	25.01	276	716m	0.010	ug/ml	
81]	Dibenz(a,h)anthracene	25.07	278	727	0.010	ug/ml	95
82]	Benzo(g,h,i)perylene	25.52	276	807	0.011	ug/ml	98

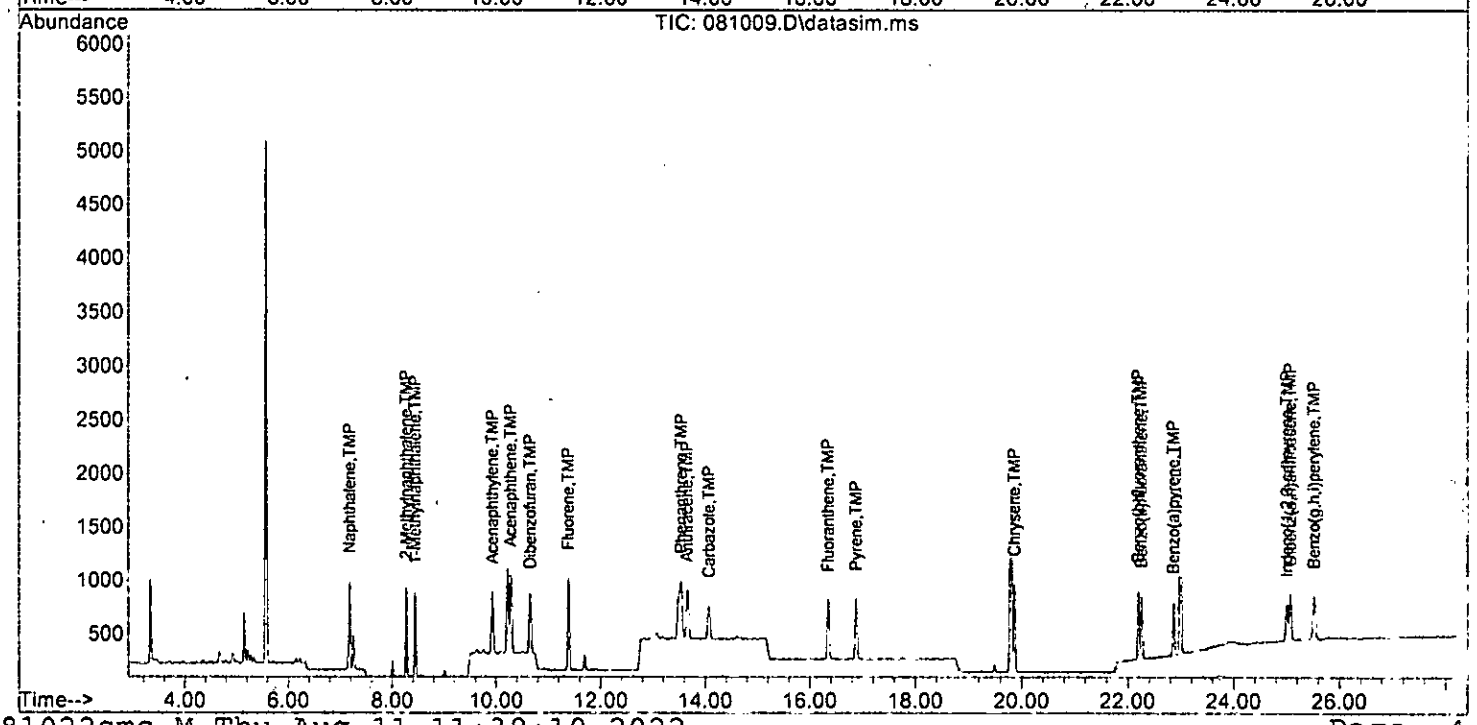
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

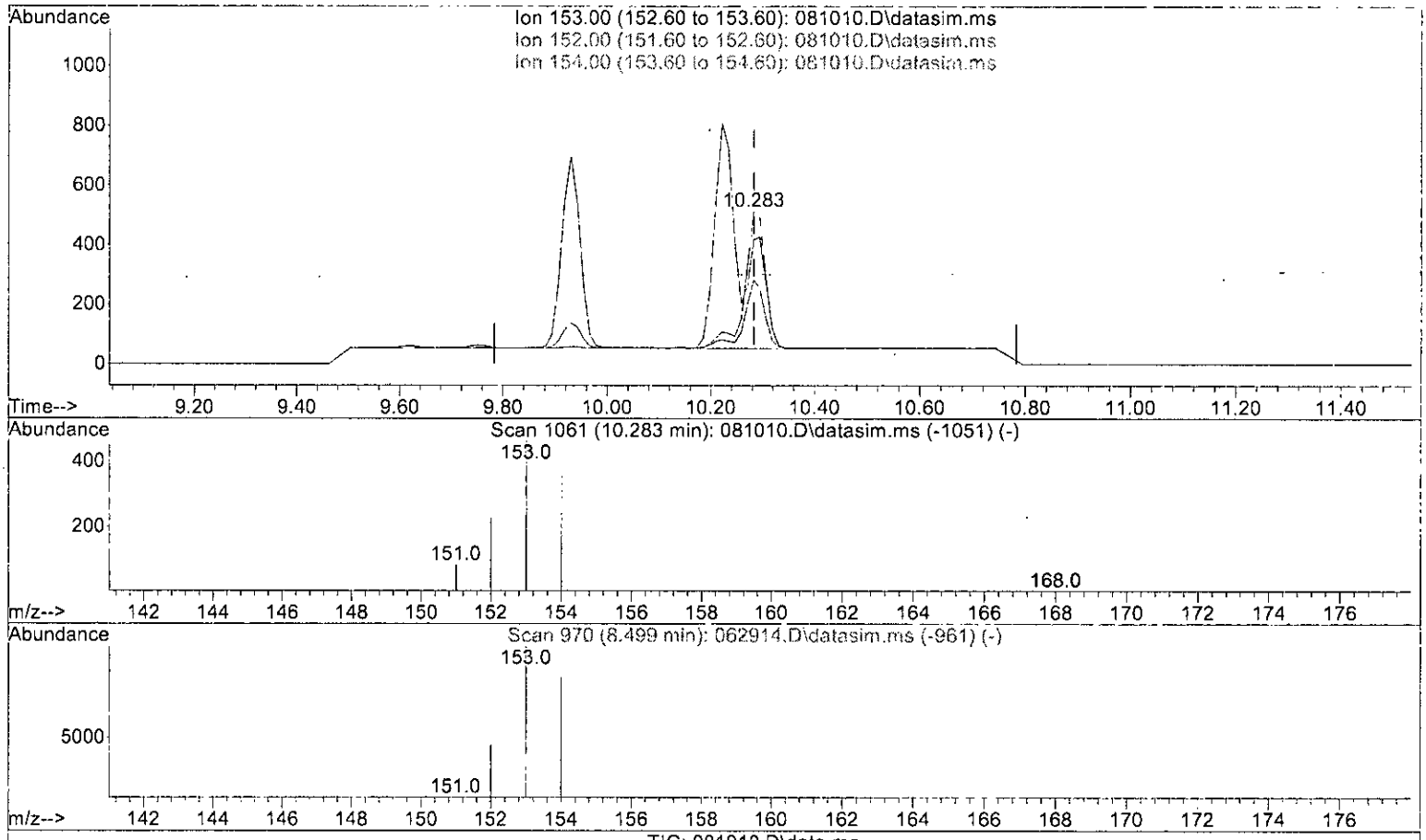




Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(44) Acenaphthene (TMP)

10.283min (-0.001) 0.017 ug/ml

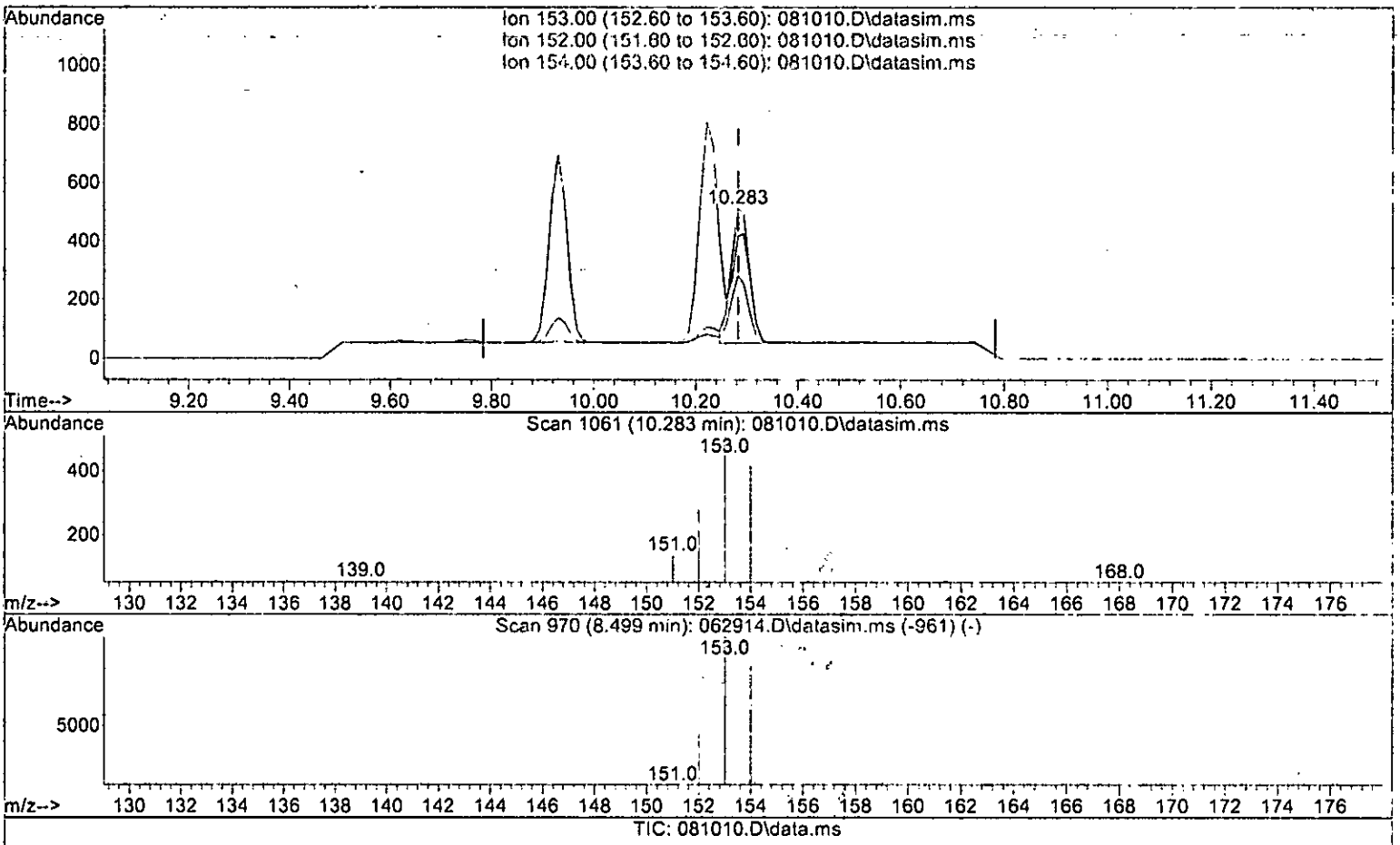
response 1314

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	49.46
154.00	80.40	79.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(44) Acenaphthene (TMP)

10.283min (-0.001) 0.015 ug/ml m

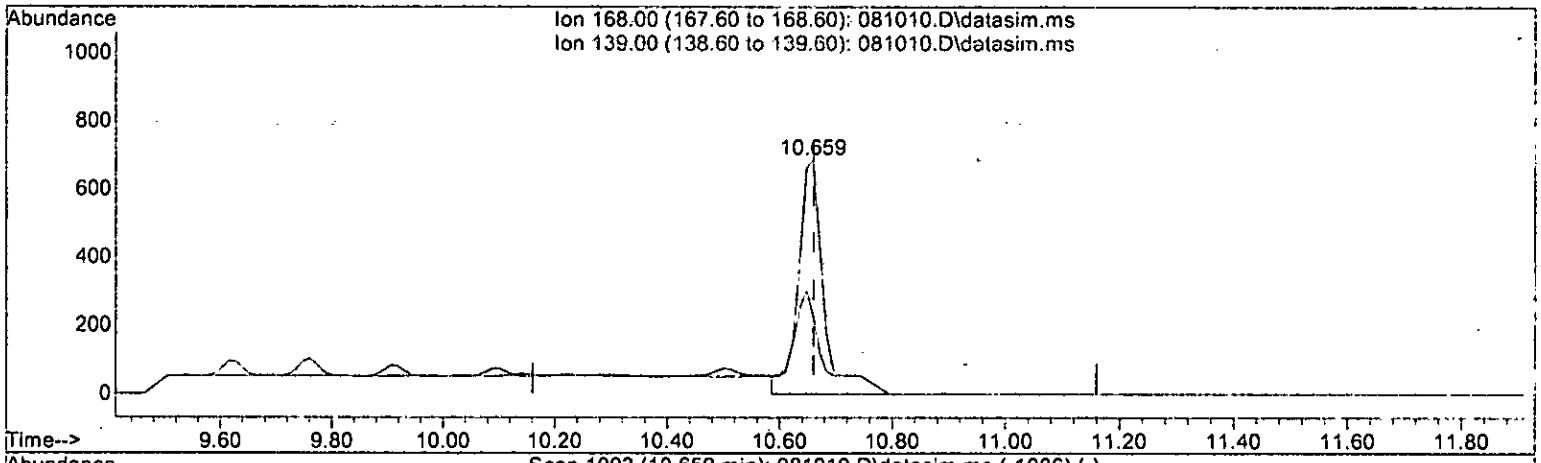
response 1162

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	54.78
154.00	80.40	81.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(46) Dibenzofuran (TMP)

10.659min (-0.002) 0.020 ug/ml

response 2505

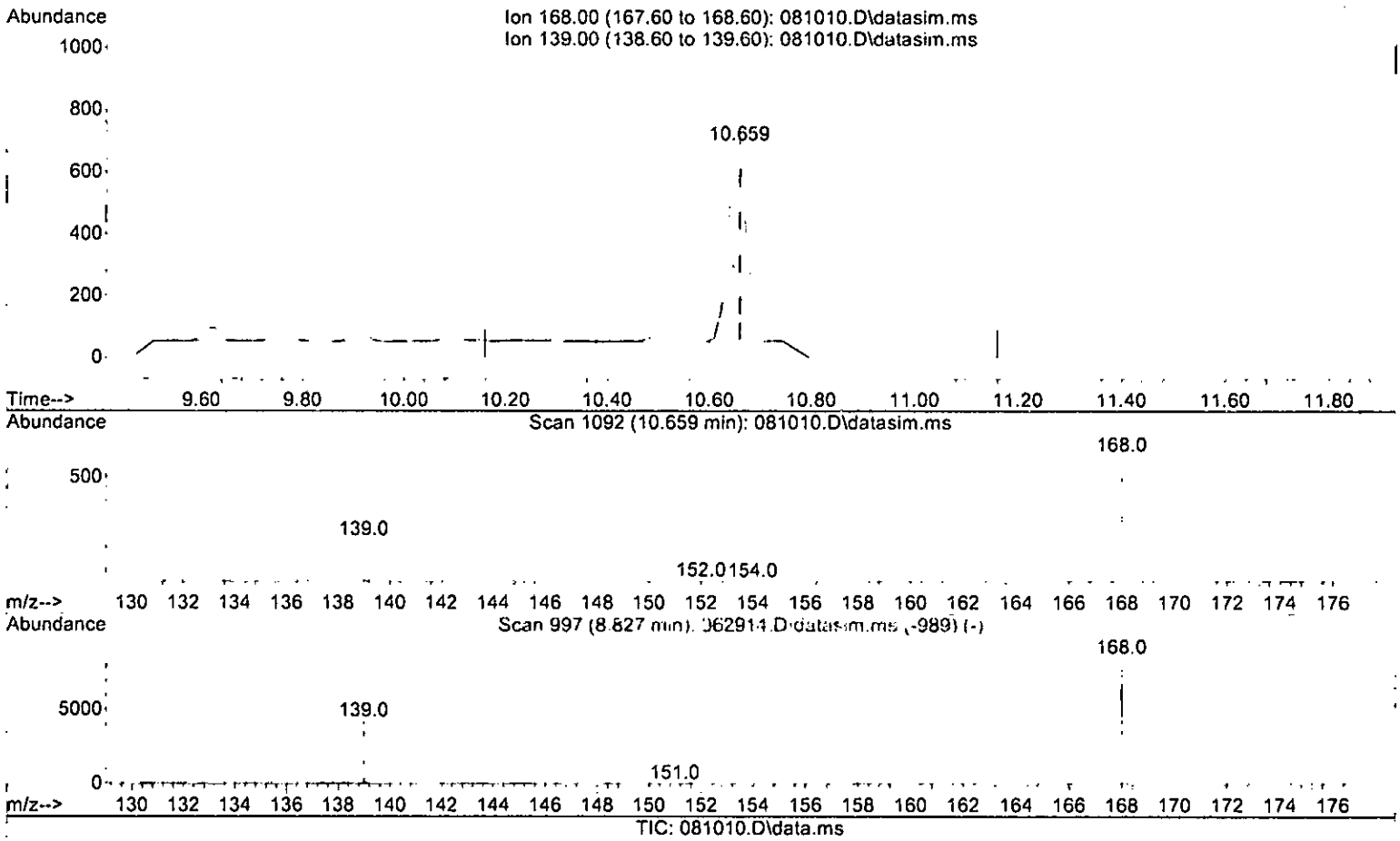
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	33.53
0.00	0.00	0.00
0.00	0.00	0.00

8/11 JM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(46) Dibenzofuran (TMP)

10.659min (-0.002) 0.013 ug/ml m

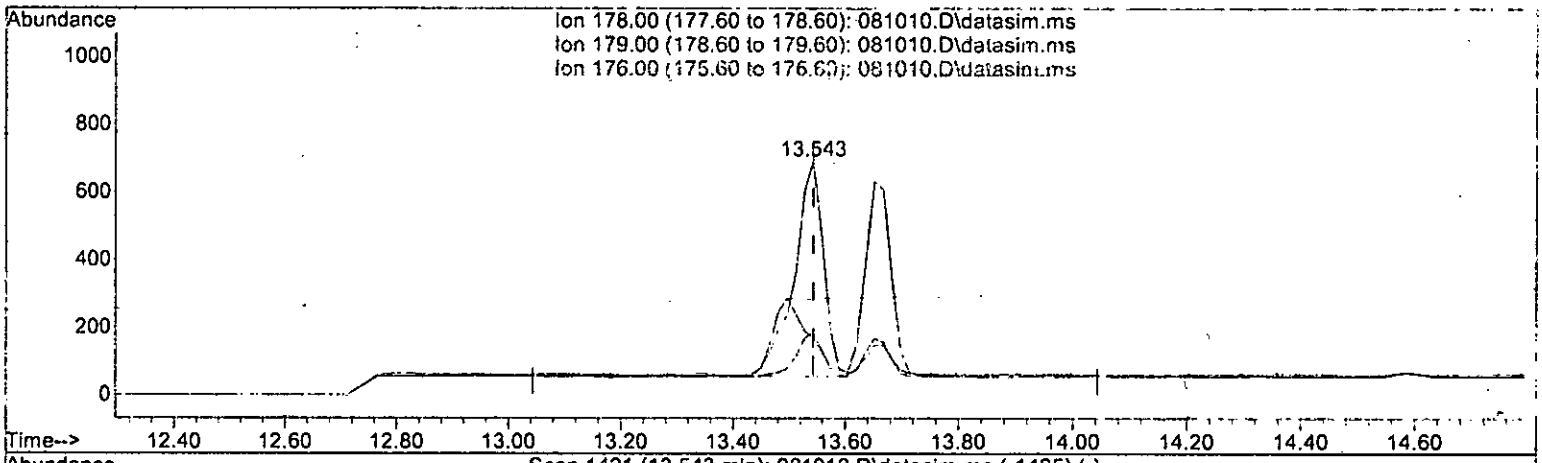
response 1637

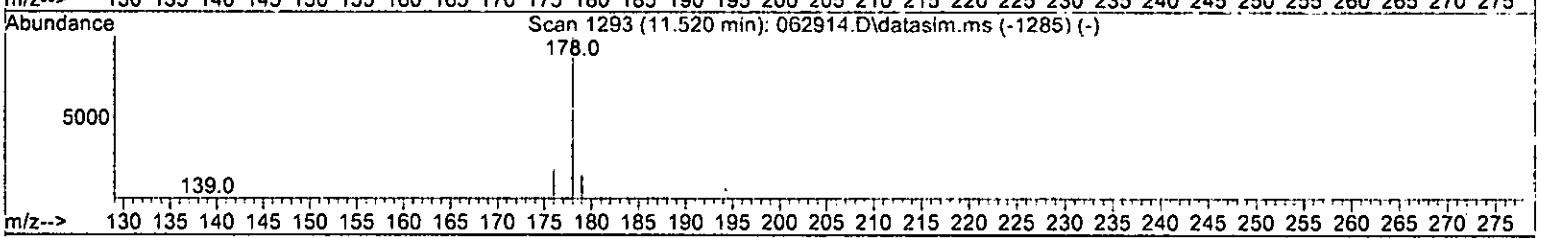
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	33.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081010.D\data.ms

(61) Phenanthrene (TMP)

13.543min (-0.001) 0.018 ug/ml

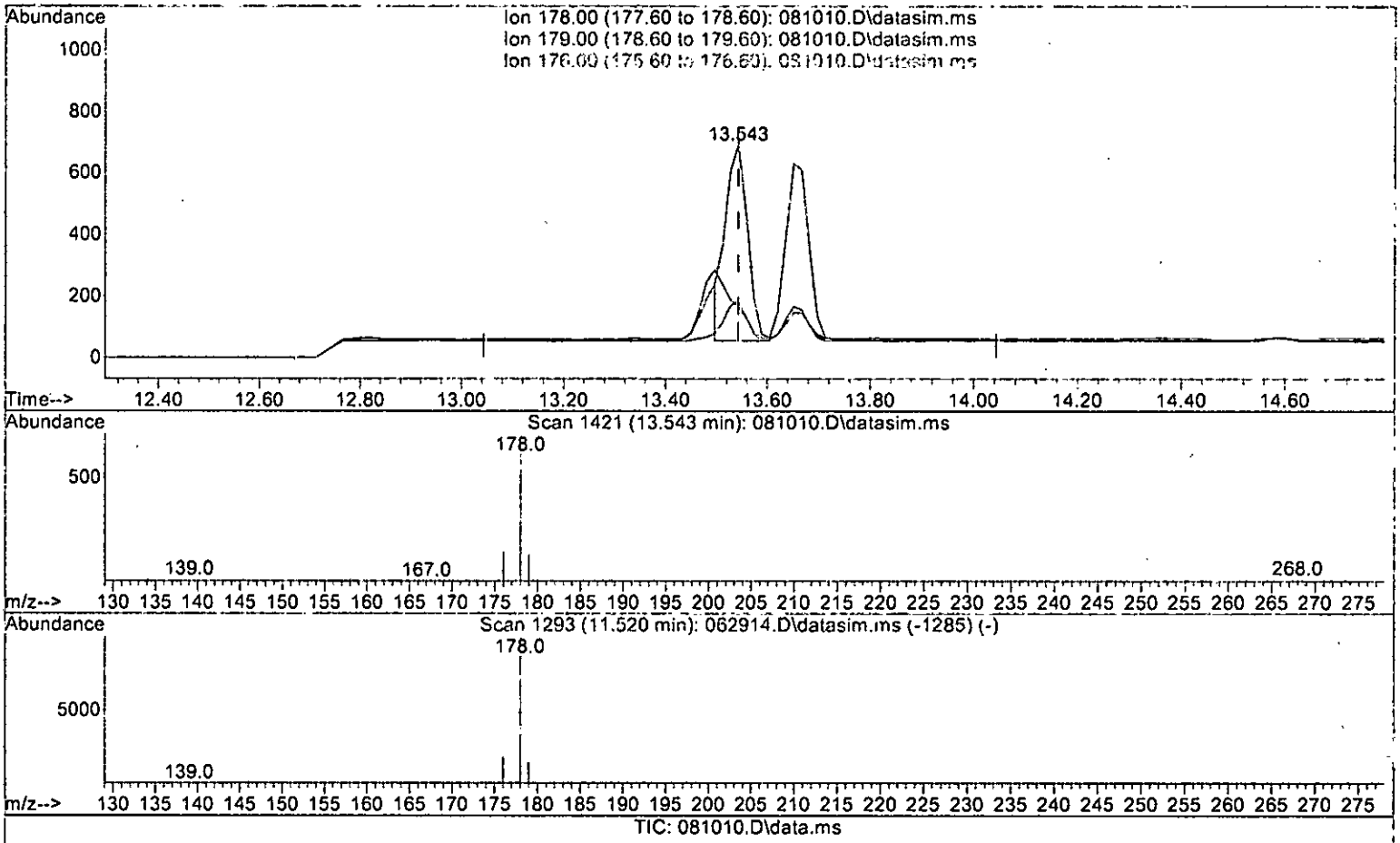
response 2352

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	16.51
176.00	19.00	20.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(61) Phenanthrene (TMP)

13.543min (-0.001) 0.015 ug/ml m

response 1952

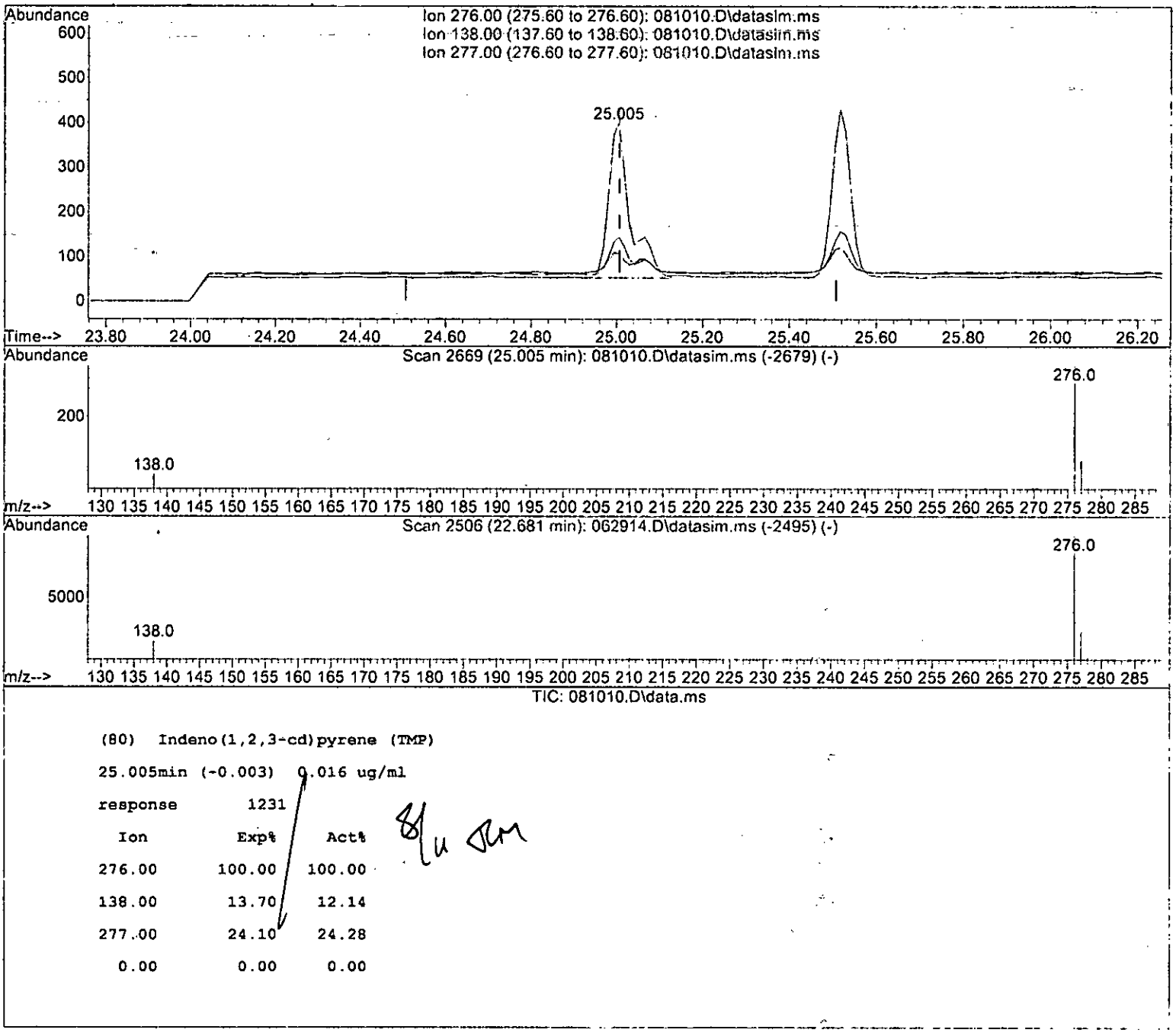
Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	24.31
176.00	19.00	26.48
0.00	0.00	0.00

8/11 dm

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TMP)

25.005min (-0.003) 0.016 ug/ml

response 1231

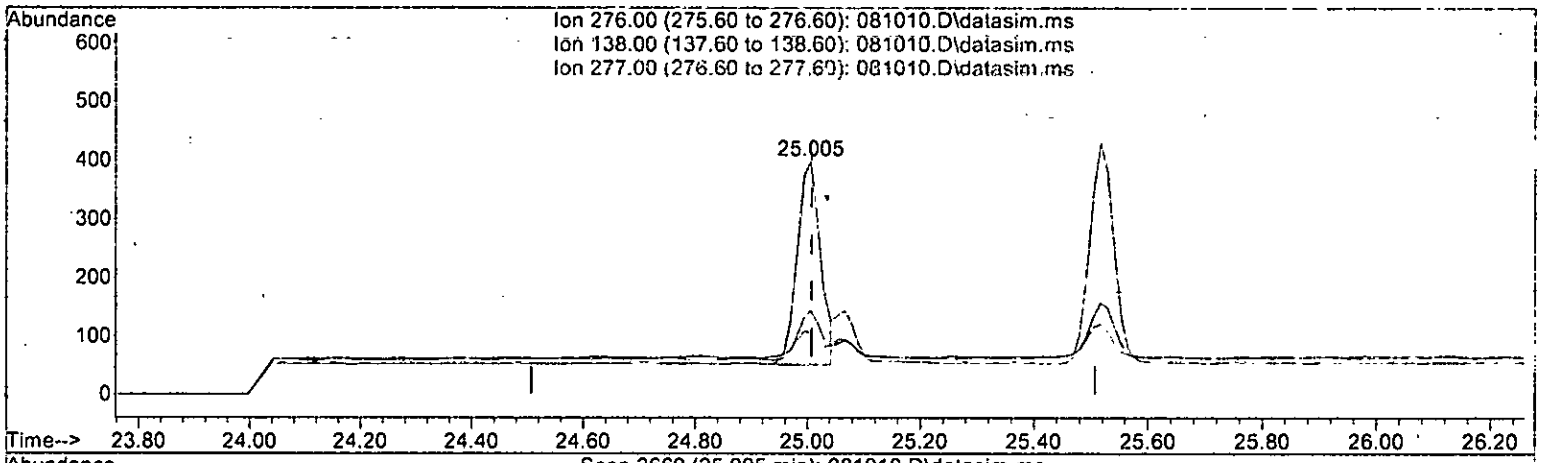
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	12.14
277.00	24.10	24.28
0.00	0.00	0.00

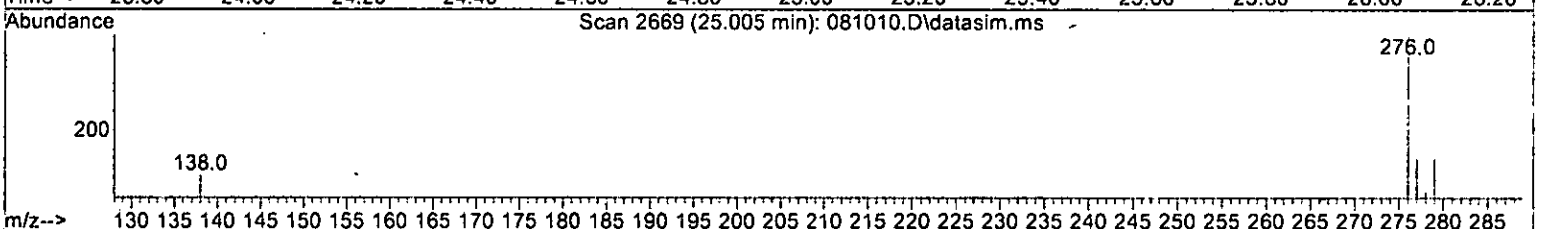
8/11 JRM

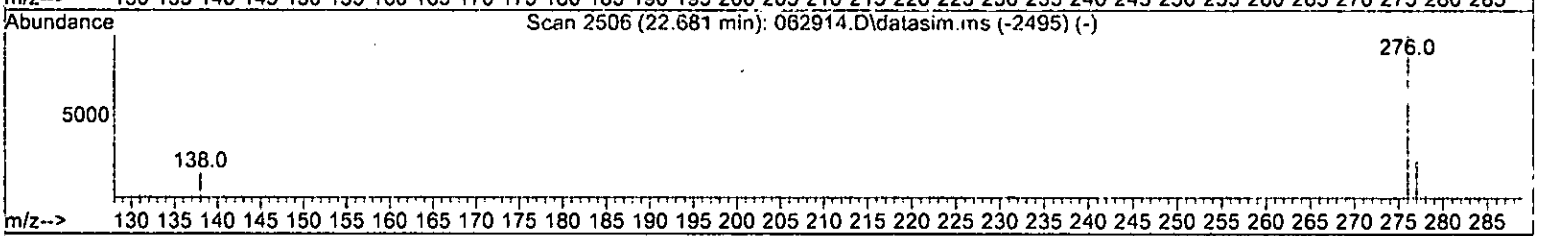
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081010.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.005min (-0.003) 0.013 ug/ml m

response 1019

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	26.82
277.00	24.10	36.09
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	-1.000	0.000	0.0	0	-5.13#
5	TMP	Phenol	-1.000	0.000	0.0	0	-5.15#
6	TMP	Bis(2-chloroethyl) ether	-1.000	0.000	0.0	0	-5.27#
7	TMP	2-Chlorophenol	-1.000	0.000	0.0	0	-5.34#
8	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-5.51#
9	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-5.58#
10	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-5.75#
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	-1.000	0.000	0.0	0	-5.87#
13	TMP	2-Methylphenol	-1.000	0.000	0.0	0	-5.82#
14	TMP	Hexachloroethane	-1.000	0.000	0.0	0	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	-1.000	0.000	0.0	0	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	-1.000	0.000	0.0	0	-6.00#
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	-1.000	0.000	0.0	0	-6.22#
20	TMP	Isophorone	-1.000	0.000	0.0	0	-6.52#
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	-1.000	0.000	0.0	0	-6.81#
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-7.07#
27	TMP	Naphthalene	0.015	0.015	0.0	100	0.00
28	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-7.37#
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.015	0.015	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.015	0.015	0.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	-1.000	0.000	0.0	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	-1.000	0.000	0.0	0	-8.93#
38	TMP	2-Chloronaphthalene	-1.000	0.000	0.0	0	-9.14#
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.015	0.014	6.7	100	0.00
42	TMP	2,6-Dinitrotoluene	-1.000	0.000	0.0	0	-9.83#
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.015	0.015	0.0	101	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.015	0.013	13.3	99	0.00
47	TMP	2,4-Dinitrotoluene	-1.000	0.000	0.0	0	-10.66#
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.015	0.015	0.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	-1.000	0.000	0.0	0	-11.43#
52	TMP	1,2-Diphenylhydrazine	-1.000	0.000	0.0	0	-11.78#
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	-1.000	0.000	0.0	0	-11.70#
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	-1.000	0.000	0.0	0	-12.53#
59	TMP	Hexachlorobenzene	-1.000	0.000	0.0	0	-12.60#
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.015	0.015	0.0	102	0.00
62	TMP	Anthracene	0.015	0.014	6.7	100	0.00
63	TMP	Carbazole	-1.000	0.015	0.0	0	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.000	0.0	0	-15.07#
65	TMP	Fluoranthene	0.015	0.014	6.7	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.015	0.014	6.7	100	0.00
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	0.015	0.015	0.0	100	0.01
73	TMP	Chrysene	0.015	0.014	6.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.015	0.014	6.7	100	0.00
78	TMP	Benzo(b)fluoranthene	0.015	0.014	6.7	100	0.00
79	TMP	Benzo(k)fluoranthene	0.015	0.014	6.7	100	-0.01
80	TMP	Indeno(1,2,3-cd)pyrene	0.015	0.013	13.3	101	0.00
81	TMP	Dibenz(a,h)anthracene	0.015	0.013	13.3	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.015	0.013	13.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	0.000#	100.0#	0#	-5.13#
5	TMP	Phenol	1.625	0.000#	100.0#	0#	-5.15#
6	TMP	Bis(2-chloroethyl) ether	1.254	0.000#	100.0#	0#	-5.27#
7	TMP	2-Chlorophenol	1.210	0.000#	100.0#	0#	-5.34#
8	TMP	1,3-Dichlorobenzene	1.446	0.000#	100.0#	0#	-5.51#
9	TMP	1,4-Dichlorobenzene	1.421	0.000#	100.0#	0#	-5.58#
10	TMP	1,2-Dichlorobenzene	1.413	0.000#	100.0#	0#	-5.75#
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	0.000#	100.0#	0#	-5.87#
13	TMP	2-Methylphenol	1.055	0.000#	100.0#	0#	-5.82#
14	TMP	Hexachloroethane	0.629	0.000#	100.0#	0#	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.000#	100.0#	0#	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	1.090	0.000#	100.0#	0#	-6.00#
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.000#	100.0#	0#	-6.22#
20	TMP	Isophorone	0.690	0.000#	100.0#	0#	-6.52#
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.000#	100.0#	0#	-6.81#
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.000#	100.0#	0#	-7.07#
27	TMP	Naphthalene	1.188	1.222	-2.9	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.000#	100.0#	0#	-7.37#
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.746	1.5	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.728	-0.3	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	0.000#	100.0#	0#	-8.93#
38	TMP	2-Chloronaphthalene	1.237	0.000#	100.0#	0#	-9.14#
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.011	5.4	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.000#	100.0#	0#	-9.83#
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.472	1.1	101	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.074	11.6	99	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.499	2.4	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.000#	100.0#	0#	-11.43#
52	TMP	1,2-Diphenylhydrazine	1.356	0.000#	100.0#	0#	-11.78#
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.000#	100.0#	0#	-11.70#
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.000#	100.0#	0#	-12.53#
59	TMP	Hexachlorobenzene	0.293	0.000#	100.0#	0#	-12.60#
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.213	-0.9	102	0.00
62	TMP	Anthracene	1.177	1.123	4.6	100	0.00
63	TMP	Carbazole	0.901	0.000#	100.0#	0#	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	-15.07#
65	TMP	Fluoranthene	1.367	1.305	4.5	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.564	6.6	100	0.00
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	3.011	-83.9#	100	0.01
73	TMP	Chrysene	1.403	1.352	3.6	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.125	8.0	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.397	7.0	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.310	9.2	100	-0.01
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.862	14.3	101	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	0.838	16.6	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	0.945	10.0	100	0.00

(#) = Out of Range SPCC's out = 51 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	221935	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	742774	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	420937	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.49	188	858321	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	744638	8.000	ug/ml	0.00
75) Perylene-d12	22.99	264	630508	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	0.00	99	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 49		Recovery =	0.00%#		
18) Nitrobenzene-d5	0.00	82	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	0.00	172	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 25 - 128		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.00	330	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	0.00		0	N.D.	d	
6) Bis(2-chloroethyl) ether	0.00		0	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
9) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
10) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	0.00		0	N.D.	d	
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.	d	
19) Nitrobenzene	0.00		0	N.D.	d	
20) Isophorone	0.00		0	N.D.	d	
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0	N.D.	d	
25) 2,4-Dichlorophenol	0.00		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
27] Naphthalene	7.18	128	1702	0.015	ug/ml	99
28) Hexachlorobutadiene	0.00		0	N.D.	d	
29) 4-Chloroaniline	0.00		0	N.D.	d	
30) 4-Chloro-3-methylphenol	0.00		0	N.D.		
31] 2-Methylnaphthalene	8.27	142	1039	0.015	ug/ml	98
32] 1-Methylnaphthalene	8.44	142	1014	0.015	ug/ml	100
34) Hexachlorocyclopentadiene	0.00		0	N.D.	d	
35) 2,4,6-Trichlorophenol	0.00		0	N.D.	d	
36) 2,4,5-Trichlorophenol	0.00		0	N.D.	d	
38) 2-Chloronaphthalene	0.00		0	N.D.	d	
39) 2-Nitroaniline	0.00		0	N.D.		
40) Dimethyl phthalate	0.00		0	N.D.	d	
41] Acenaphthylene	9.93	152	1587	0.014	ug/ml	99
42) 2,6-Dinitrotoluene	0.00		0	N.D.	d	
43) 3-Nitroaniline	0.00		0	N.D.	d	
44] Acenaphthene	10.28	153	1162m	0.015	ug/ml	
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46] Dibenzofuran	10.66	168	1637m	0.013	ug/ml	
47) 2,4-Dinitrotoluene	0.00		0	N.D.		
48) 4-Nitrophenol	0.00		0	N.D.		
49) Diethyl phthalate	0.00		0	N.D.	d	
50] Fluorene	11.38	166	1183	0.015	ug/ml	99
51) 4-Chlorophenyl phenyl ...	0.00		0	N.D.	d	
52) 1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55) N-Nitrosodiphenylamine	0.00		0	N.D.	d	
56) 4-Nitroaniline	0.00		0	N.D.		
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.		
59) Hexachlorobenzene	0.00		0	N.D.		
60) Pentachlorophenol	0.00		0	N.D.	d	
61] Phenanthrene	13.54	178	1952m	0.015	ug/ml	
62] Anthracene	13.65	178	1807	0.014	ug/ml	100
63] Carbazole	14.07	167	1435	0.015	ug/ml	97
64) Di-n-butyl phthalate	0.00		0	N.D.	d	
65] Fluoranthene	16.35	202	2101	0.014	ug/ml	96
67) Benzidine	0.00		0	N.D.		
68] Pyrene	16.88	202	2183	0.014	ug/ml	95
70) Benzyl butyl phthalate	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

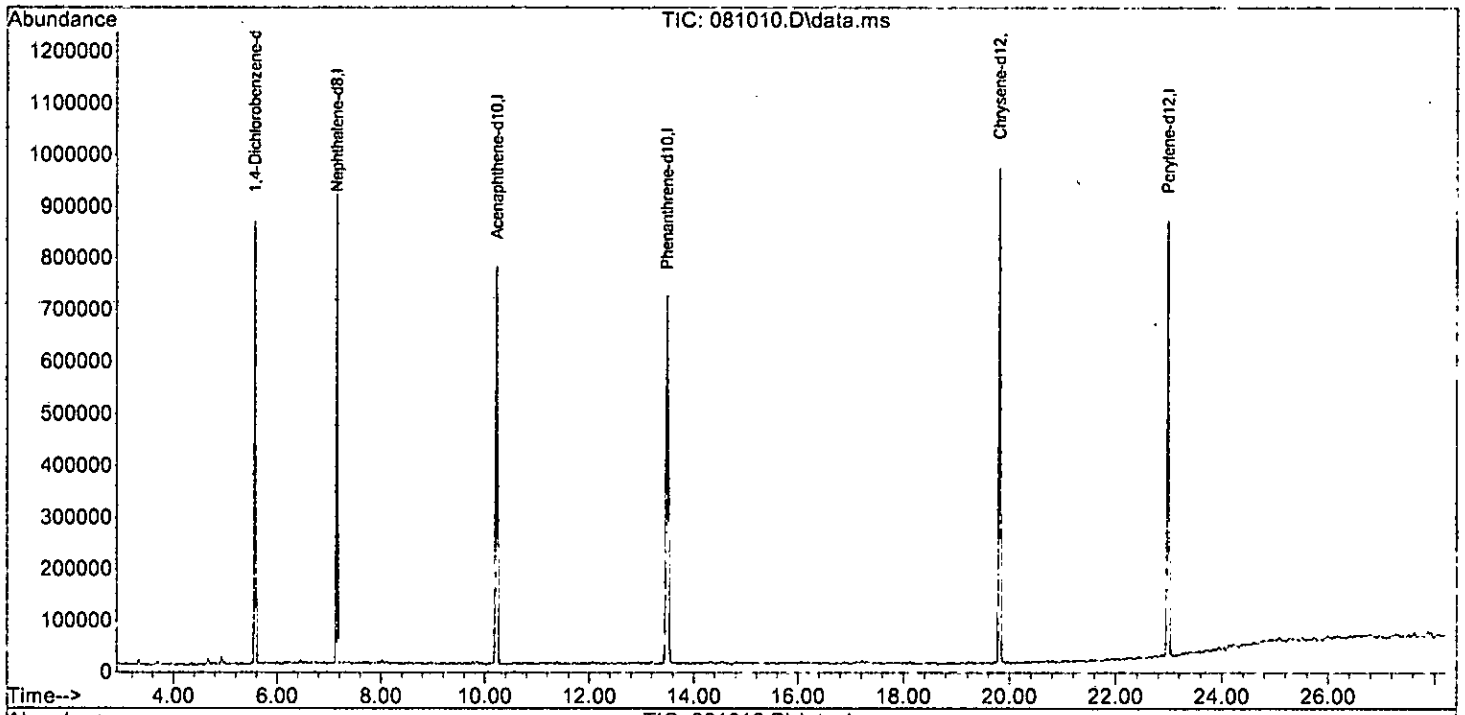
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72] Benz(a)anthracene	19.80	228	4204	0.015	ug/ml	80
73] Chrysene	19.86	228	1887	0.014	ug/ml	99
74) Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76) Di-n-octyl phthalate	0.00		0	N.D.	d	
77] Benzo(a)pyrene	22.86	252	1330	0.014	ug/ml	99
78] Benzo(b)fluoranthene	22.20	252	1652	0.014	ug/ml	99
79] Benzo(k)fluoranthene	22.26	252	1549	0.014	ug/ml	97
80] Indeno(1,2,3-cd)pyrene	25.01	276	1019m	0.013	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	991	0.013	ug/ml	99
82] Benzo(g,h,i)perylene	25.52	276	1117	0.013	ug/ml	97

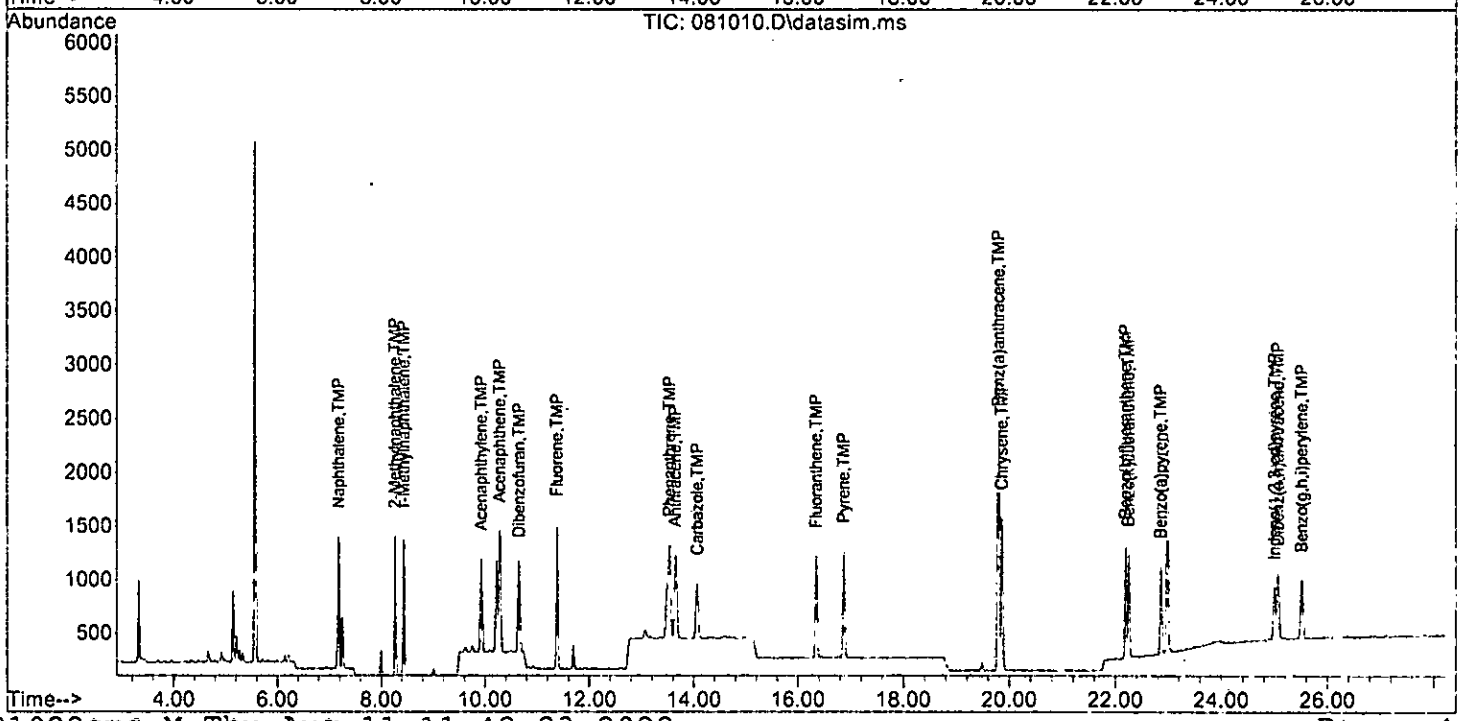
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

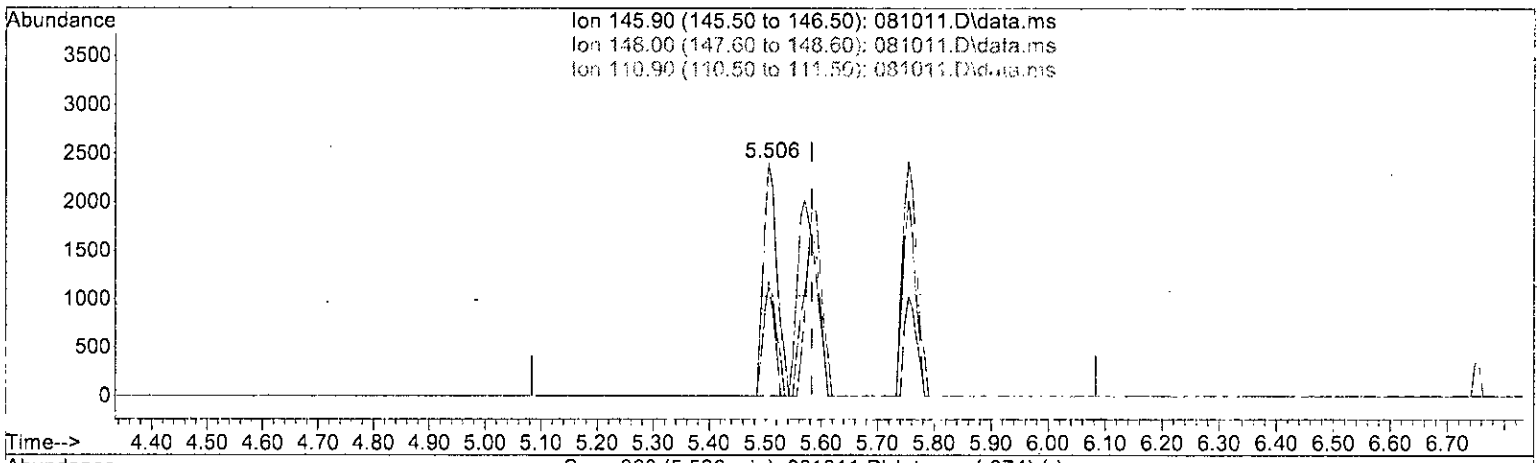


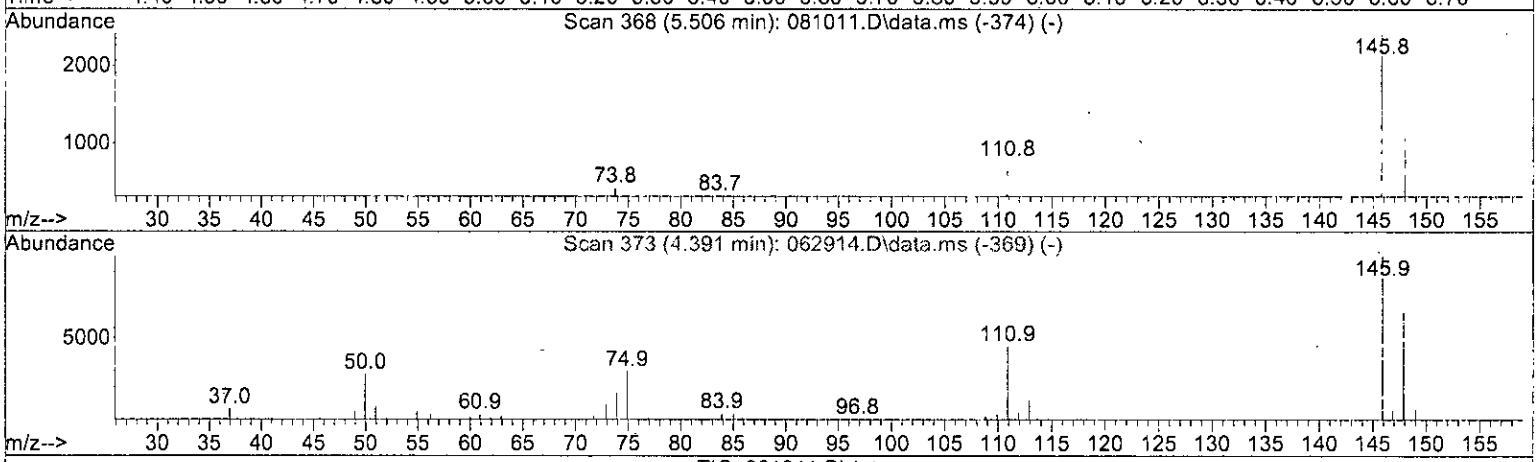


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081011.D\data.ms

(9) 1,4-Dichlorobenzene (TMP)

5.506min (-0.078) 0.112 ug/ml

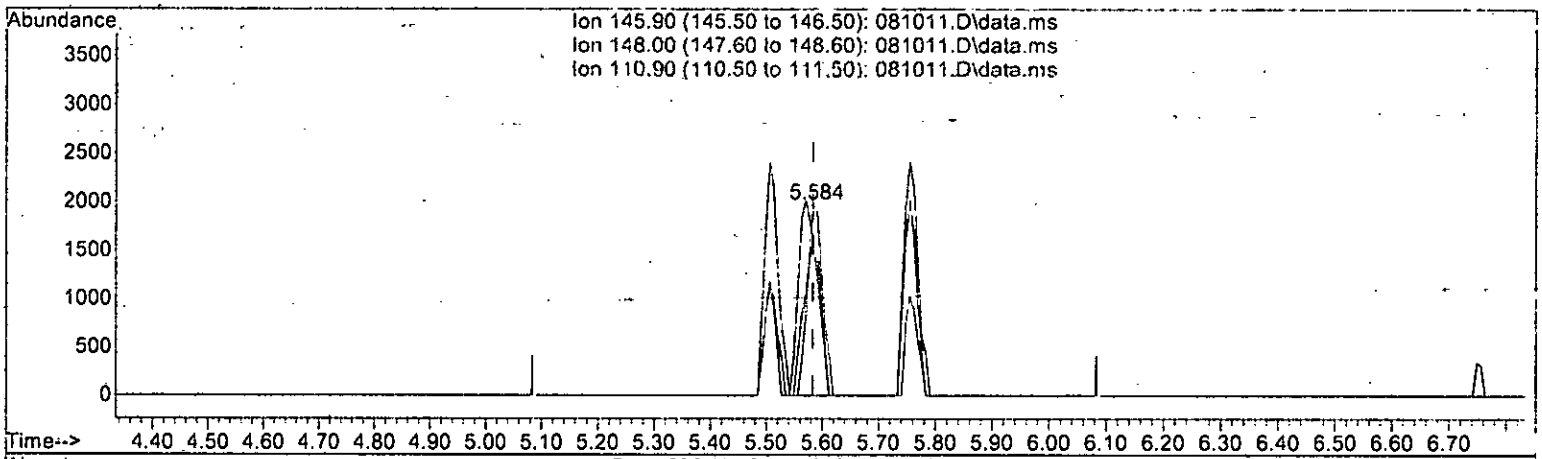
response 4090

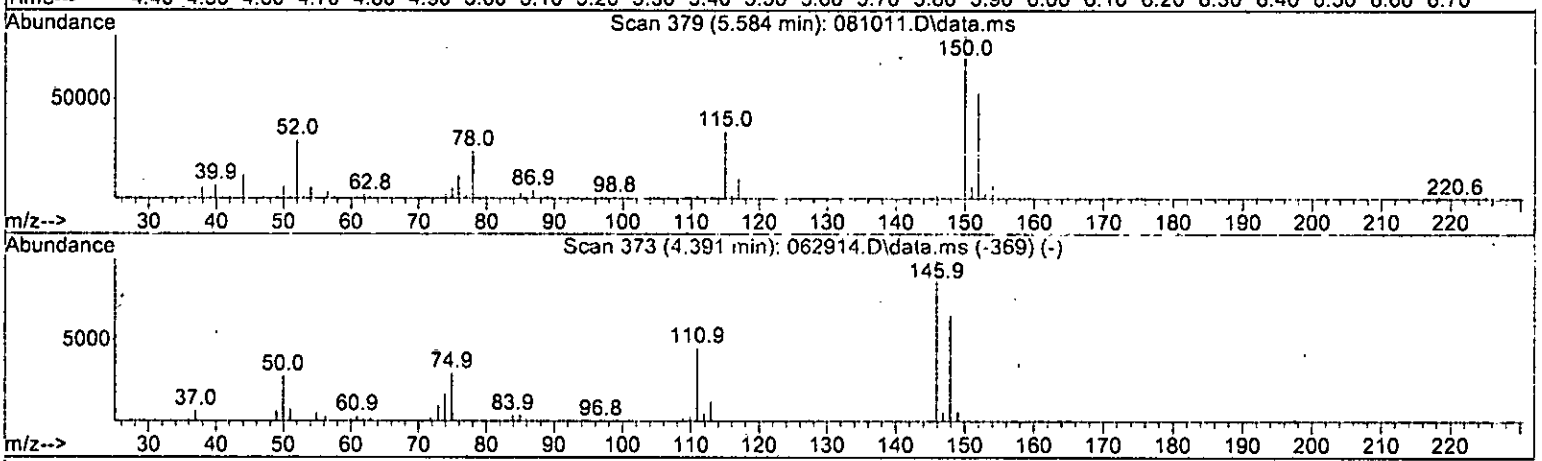
Ion	Exp%	Act%
145.90	100.00	100.00
148.00	61.80	46.53
110.90	43.20	48.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081011.D\data.ms

(9) 1,4-Dichlorobenzene (TMP)

5.584min (+ 0.000) 0.104 ug/ml m

response 3793

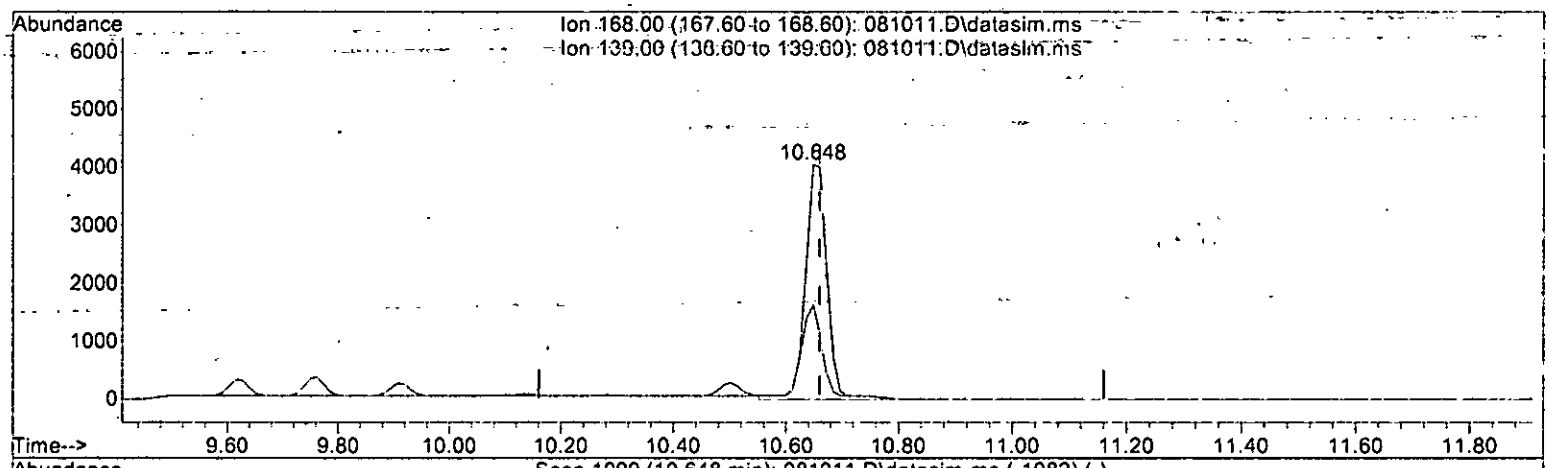
Ion	Exp%	Act%
145.90	100.00	100.00
148.00	61.80	84.42
110.90	43.20	80.17#
0.00	0.00	0.00

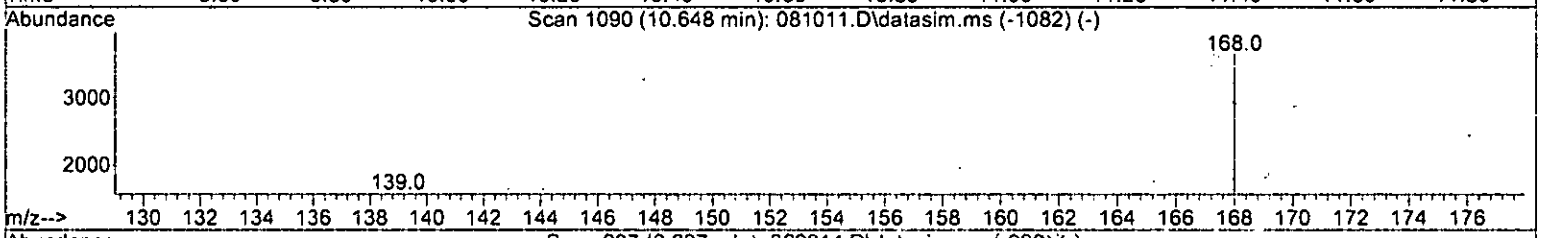
8/11 am

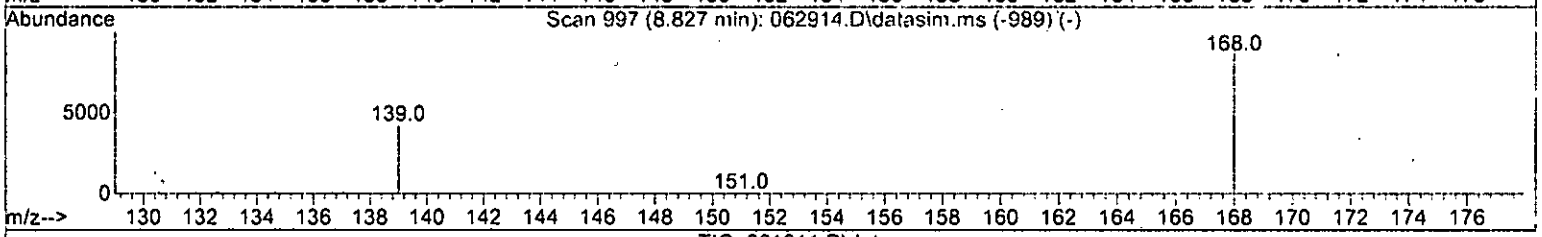
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081011.D\data.ms

(46) Dibenzofuran (TMP)

10.648min (-0.013) 0.110 ug/ml

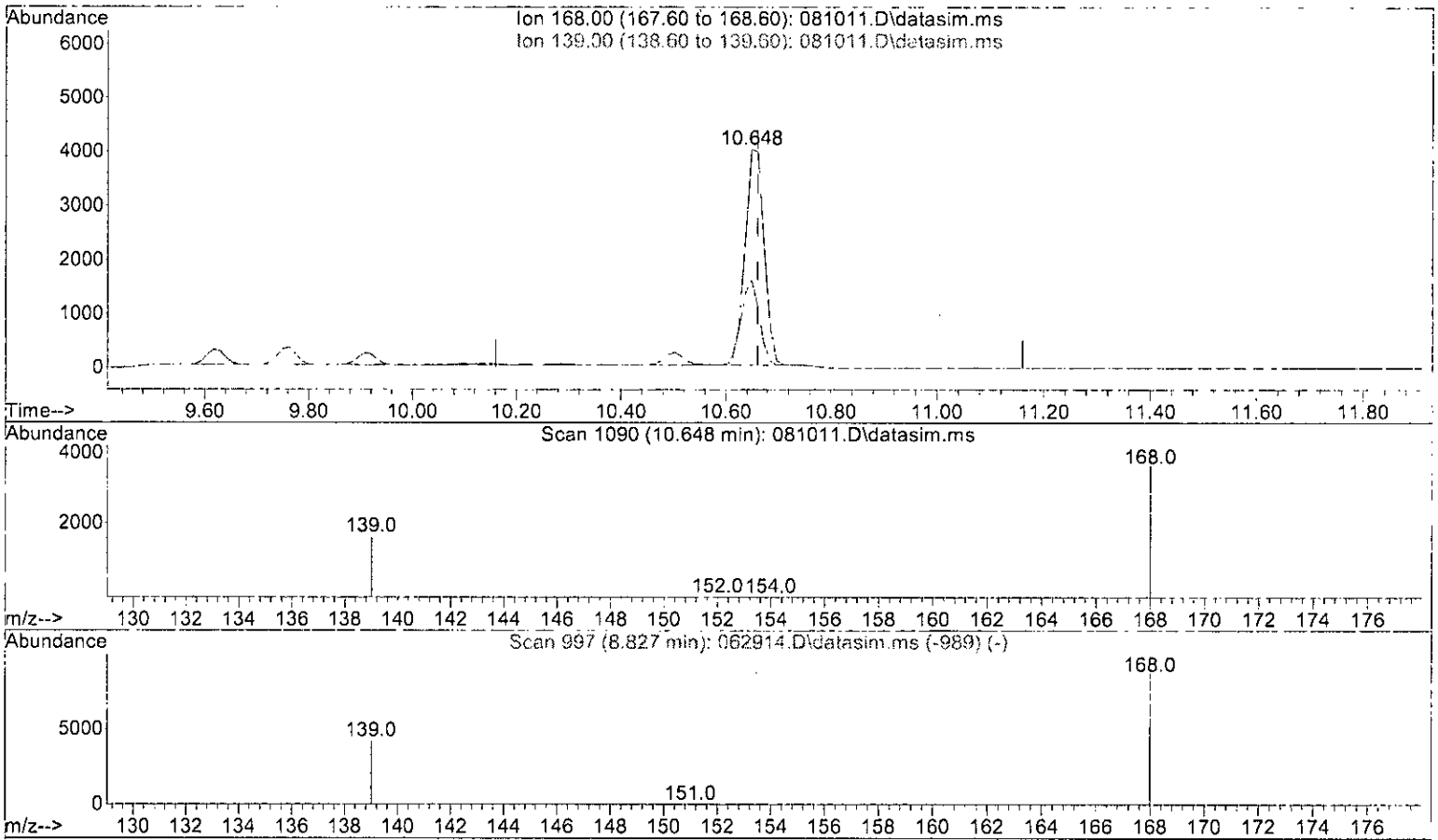
response 12545

Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	40.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081011.D\data.ms

(46) Dibenzofuran (TMP)

10.648min (-0.013) 0.090 ug/ml m

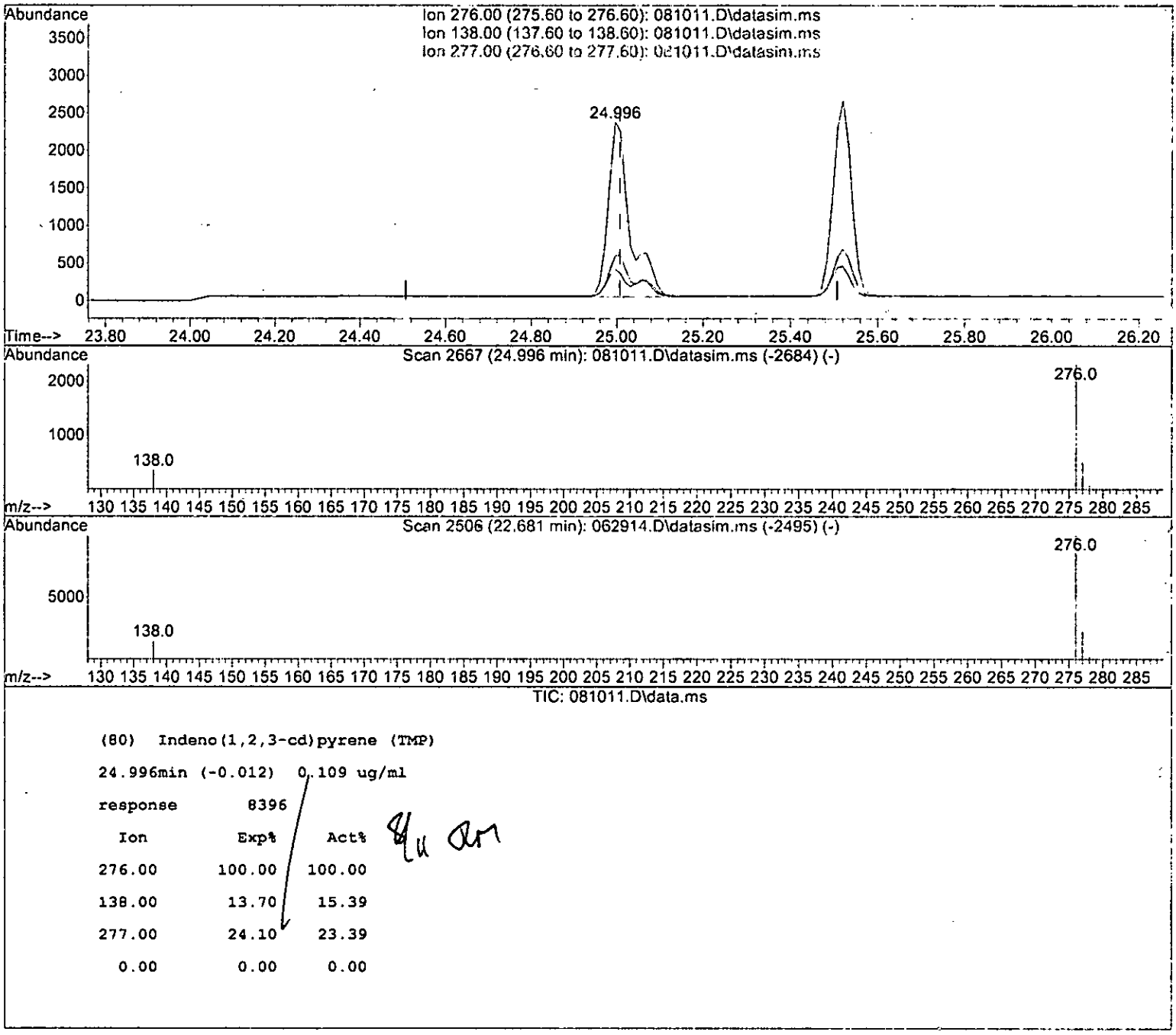
response 10275

Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	40.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081011.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 0.109 ug/ml

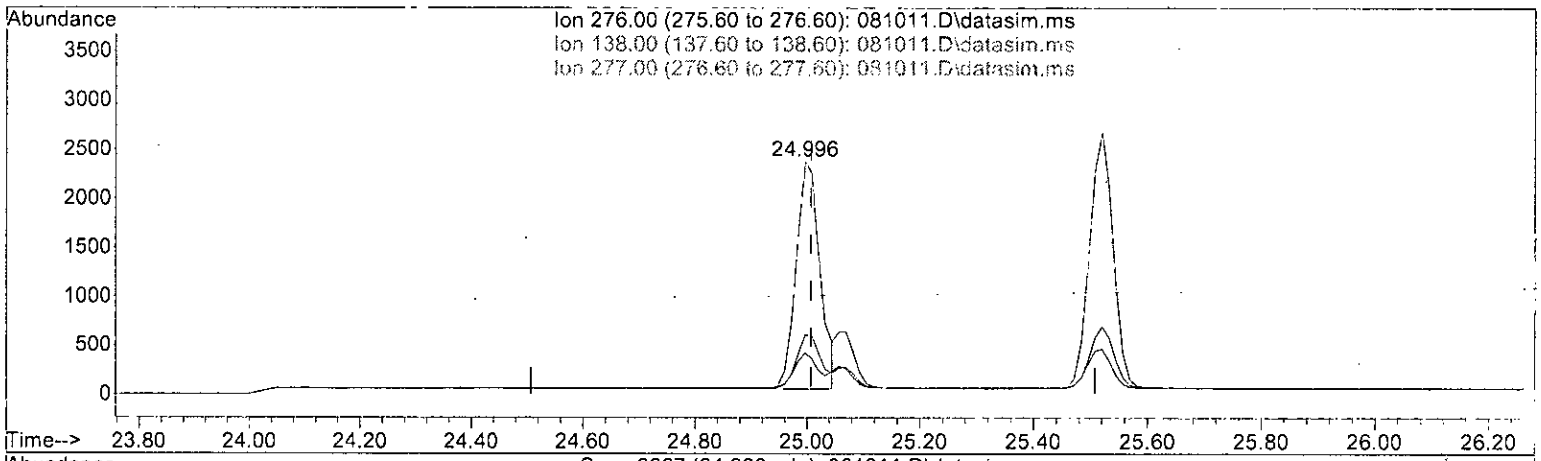
response 8396

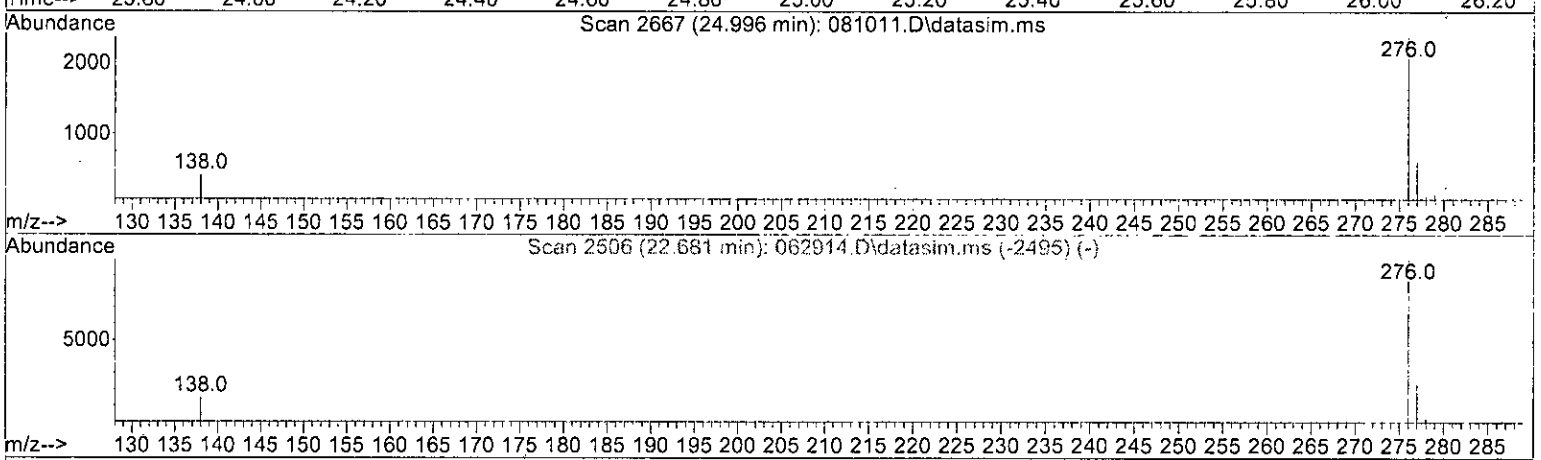
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.39
277.00	24.10	23.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081011.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 0.091 ug/ml m

response 6998

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	17.74
277.00	24.10	25.39
0.00	0.00	0.00

8/11 DM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	-1.000	0.000	0.0	0	-5.13#
5	TMP	Phenol	-1.000	0.000	0.0	0	-5.15#
6	TMP	Bis(2-chloroethyl) ether	-1.000	0.000	0.0	0	-5.27#
7	TMP	2-Chlorophenol	-1.000	0.000	0.0	0	-5.34#
8	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-5.51#
9	TMP	1,4-Dichlorobenzene	0.100	0.104	-4.0	100	0.00
10	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-5.75#
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	-1.000	0.000	0.0	0	-5.87#
13	TMP	2-Methylphenol	-1.000	0.000	0.0	0	-5.82#
14	TMP	Hexachloroethane	0.100	0.107	-7.0	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	-1.000	0.000	0.0	0	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	-1.000	0.000	0.0	0	-6.00#
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	-1.000	0.000	0.0	0	-6.22#
20	TMP	Isophorone	-1.000	0.000	0.0	0	-6.52#
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	-1.000	0.000	0.0	0	-6.81#
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.100	0.101	-1.0	100	0.00
27	TMP	Naphthalene	0.100	0.099	1.0	100	0.00
28	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-7.37#
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.100	0.100	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.100	0.099	1.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	-1.000	0.000	0.0	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	-1.000	0.000	0.0	0	-8.93#
38	TMP	2-Chloronaphthalene	-1.000	0.000	0.0	0	-9.14#
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.100	0.096	4.0	100	0.00
42	TMP	2,6-Dinitrotoluene	-1.000	0.000	0.0	0	-9.83#
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.100	0.101	-1.0	100	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.100	0.090	10.0	100	-0.01
47	TMP	2,4-Dinitrotoluene	-1.000	0.000	0.0	0	-10.66#
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.100	0.099	1.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	-1.000	0.000	0.0	0	-11.43#
52	TMP	1,2-Diphenylhydrazine	-1.000	0.000	0.0	0	-11.78#
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	-1.000	0.000	0.0	0	-11.70#
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	-1.000	0.000	0.0	0	-12.53#
59	TMP	Hexachlorobenzene	-1.000	0.000	0.0	0	-12.60#
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.100	0.099	1.0	100	0.00
62	TMP	Anthracene	0.100	0.096	4.0	100	0.00
63	TMP	Carbazole	-1.000	0.097	0.0	0	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.000	0.0	0	-15.07#
65	TMP	Fluoranthene	0.100	0.094	6.0	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.100	0.092	8.0	100	0.00
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	0.100	0.098	2.0	100	0.00
73	TMP	Chrysene	0.100	0.098	2.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.100	0.092	8.0	100	0.00
78	TMP	Benzo(b)fluoranthene	0.100	0.095	5.0	100	0.00
79	TMP	Benzo(k)fluoranthene	0.100	0.091	9.0	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	0.100	0.091	9.0	98	-0.01
81	TMP	Dibenz(a,h)anthracene	0.100	0.088	12.0	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.100	0.094	6.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
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Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	0.000#	100.0#	0#	-5.13#
5	TMP	Phenol	1.625	0.000#	100.0#	0#	-5.15#
6	TMP	Bis(2-chloroethyl) ether	1.254	0.000#	100.0#	0#	-5.27#
7	TMP	2-Chlorophenol	1.210	0.000#	100.0#	0#	-5.34#
8	TMP	1,3-Dichlorobenzene	1.446	0.000#	100.0#	0#	-5.51#
9	TMP	1,4-Dichlorobenzene	1.421	1.481	-4.2	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	0.000#	100.0#	0#	-5.75#
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	0.000#	100.0#	0#	-5.87#
13	TMP	2-Methylphenol	1.055	0.000#	100.0#	0#	-5.82#
14	TMP	Hexachloroethane	0.629	0.676	-7.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.000#	100.0#	0#	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	1.090	0.000#	100.0#	0#	-6.00#
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.000#	100.0#	0#	-6.22#
20	TMP	Isophorone	0.690	0.000#	100.0#	0#	-6.52#
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.000#	100.0#	0#	-6.81#
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.404	-1.0	100	0.00
27	TMP	Naphthalene	1.188	1.179	0.8	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.000#	100.0#	0#	-7.37#
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.757	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.715	1.5	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	0.000#	100.0#	0#	-8.93#
38	TMP	2-Chloronaphthalene	1.237	0.000#	100.0#	0#	-9.14#
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.042	3.9	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.000#	100.0#	0#	-9.83#
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.507	-1.2	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.111	10.0	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.516	1.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.000#	100.0#	0#	-11.43#
52	TMP	1,2-Diphenylhydrazine	1.356	0.000#	100.0#	0#	-11.78#
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.000#	100.0#	0#	-11.70#
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.000#	100.0#	0#	-12.53#
59	TMP	Hexachlorobenzene	0.293	0.000#	100.0#	0#	-12.60#
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.195	0.6	100	0.00
62	TMP	Anthracene	1.177	1.132	3.8	100	0.00
63	TMP	Carbazole	0.901	0.000#	100.0#	0#	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	-15.07#
65	TMP	Fluoranthene	1.367	1.289	5.7	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.546	7.6	100	0.00
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	1.612	1.5	100	0.00
73	TMP	Chrysene	1.403	1.368	2.5	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.120	8.4	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.427	5.0	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.307	9.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.911	9.4	98	-0.01
81	TMP	Dibenz(a,h)anthracene	1.005	0.886	11.8	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	0.991	5.6	100	0.00

(#) = Out of Range SPCC's out = 48 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	204825	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	698963	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	389348	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	839193	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	718174	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	614703	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	0.00	99	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 49		Recovery =	0.00%#		
18) Nitrobenzene-d5	0.00	82	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	0.00	172	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 25 - 128		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.00	330	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.	d	
5) Phenol	0.00		0	N.D.	d	
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	0.00		0	N.D.	d	
8) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
9) 1,4-Dichlorobenzene	5.58	146	3793m	0.104	ug/ml	
10) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	0.00		0	N.D.	d	
14) Hexachloroethane	6.14	117	1731	0.107	ug/ml#	67
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.	d	
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.	d	
19) Nitrobenzene	0.00		0	N.D.	d	
20) Isophorone	0.00		0	N.D.	d	
21) 2-Nitrophenol	0.00		0	N.D.	d	
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0	N.D.	d	
25) 2,4-Dichlorophenol	0.00		0	N.D.	d	
26) 1,2,4-Trichlorobenzene	7.08	180	3531	0.101	ug/ml	97
27] Naphthalene	7.18	128	10304	0.099	ug/ml	100
28) Hexachlorobutadiene	0.00		0	N.D.	d	
29) 4-Chloroaniline	0.00		0	N.D.	d	
30) 4-Chloro-3-methylphenol	0.00		0	N.D.	d	
31] 2-Methylnaphthalene	8.27	142	6614	0.100	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	6251	0.099	ug/ml	100
34) Hexachlorocyclopentadiene	0.00		0	N.D.	d	
35) 2,4,6-Trichlorophenol	0.00		0	N.D.	d	
36) 2,4,5-Trichlorophenol	0.00		0	N.D.	d	
38) 2-Chloronaphthalene	0.00		0	N.D.	d	
39) 2-Nitroaniline	0.00		0	N.D.	d	
40) Dimethyl phthalate	0.00		0	N.D.	d	
41] Acenaphthylene	9.93	152	9937	0.096	ug/ml	99
42) 2,6-Dinitrotoluene	0.00		0	N.D.	d	
43) 3-Nitroaniline	0.00		0	N.D.	d	
44] Acenaphthene	10.28	153	7336	0.101	ug/ml	99
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46] Dibenzofuran	10.65	168	10275m	0.090	ug/ml	
47) 2,4-Dinitrotoluene	0.00		0	N.D.	d	
48) 4-Nitrophenol	0.00		0	N.D.		
49) Diethyl phthalate	0.00		0	N.D.	d	
50] Fluorene	11.39	166	7380	0.099	ug/ml	98
51) 4-Chlorophenyl phenyl ...	0.00		0	N.D.	d	
52) 1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55) N-Nitrosodiphenylamine	0.00		0	N.D.	d	
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.	d	
59) Hexachlorobenzene	0.00		0	N.D.	d	
60) Pentachlorophenol	0.00		0	N.D.	d	
61] Phenanthrene	13.54	178	12533	0.099	ug/ml	100
62] Anthracene	13.65	178	11878	0.096	ug/ml	99
63] Carbazole	14.07	167	9182	0.097	ug/ml	99
64) Di-n-butyl phthalate	0.00		0	N.D.	d	
65] Fluoranthene	16.35	202	13518	0.094	ug/ml	98
67) Benzidine	0.00		0	N.D.	d	
68] Pyrene	16.87	202	13876	0.092	ug/ml	99
70) Benzyl butyl phthalate	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

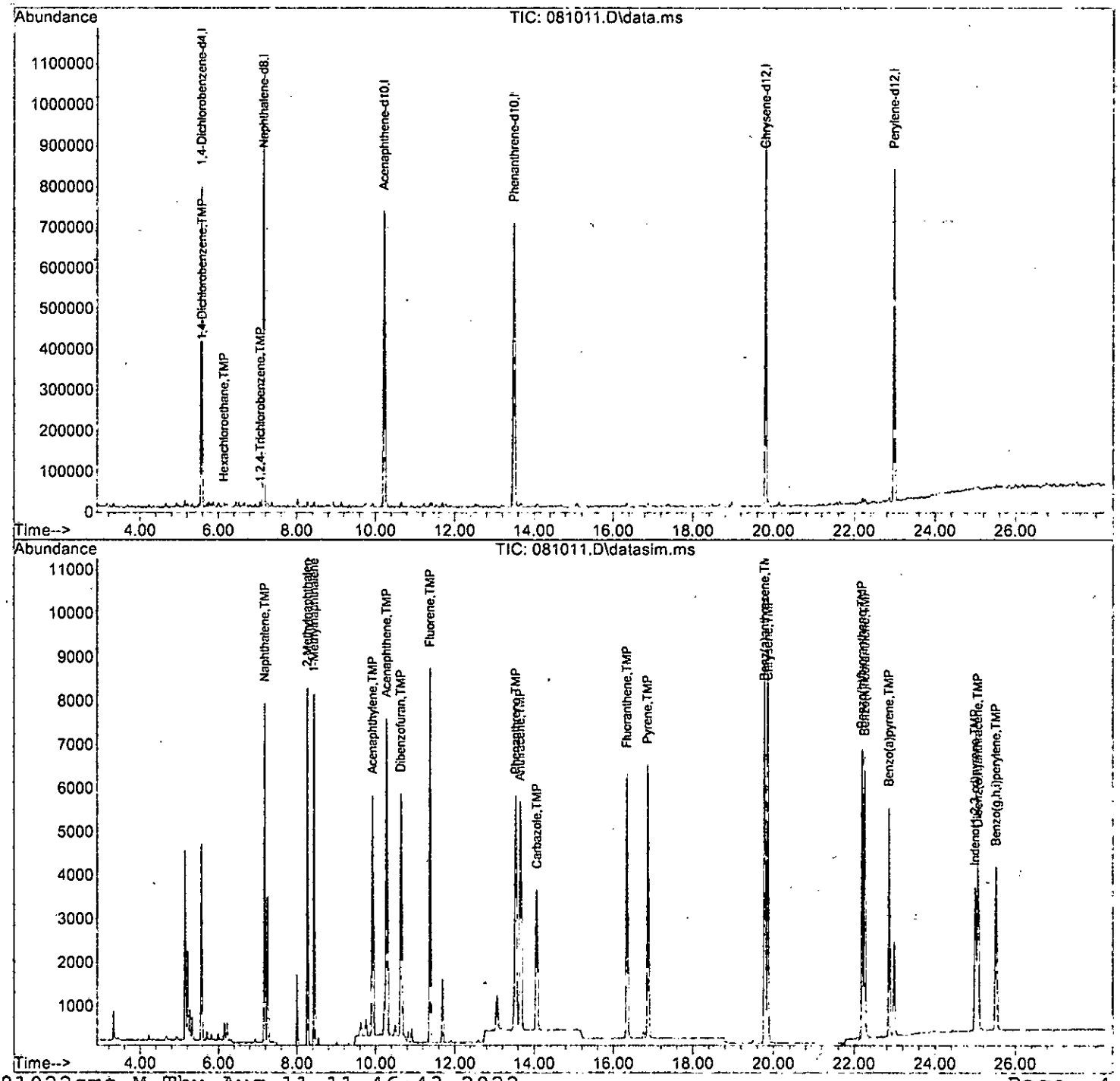
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.	d	
72] Benz(a)anthracene	19.79	228	14468	0.098	ug/ml	98
73] Chrysene	19.87	228	12283	0.098	ug/ml	99
74) Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76) Di-n-octyl phthalate	0.00		0	N.D.	d	
77] Benzo(a)pyrene	22.87	252	8607	0.092	ug/ml	100
78] Benzo(b)fluoranthene	22.19	252	10965	0.095	ug/ml	99
79] Benzo(k)fluoranthene	22.26	252	10040	0.091	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.00	276	6998m	0.091	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	6806	0.088	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	7617	0.094	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

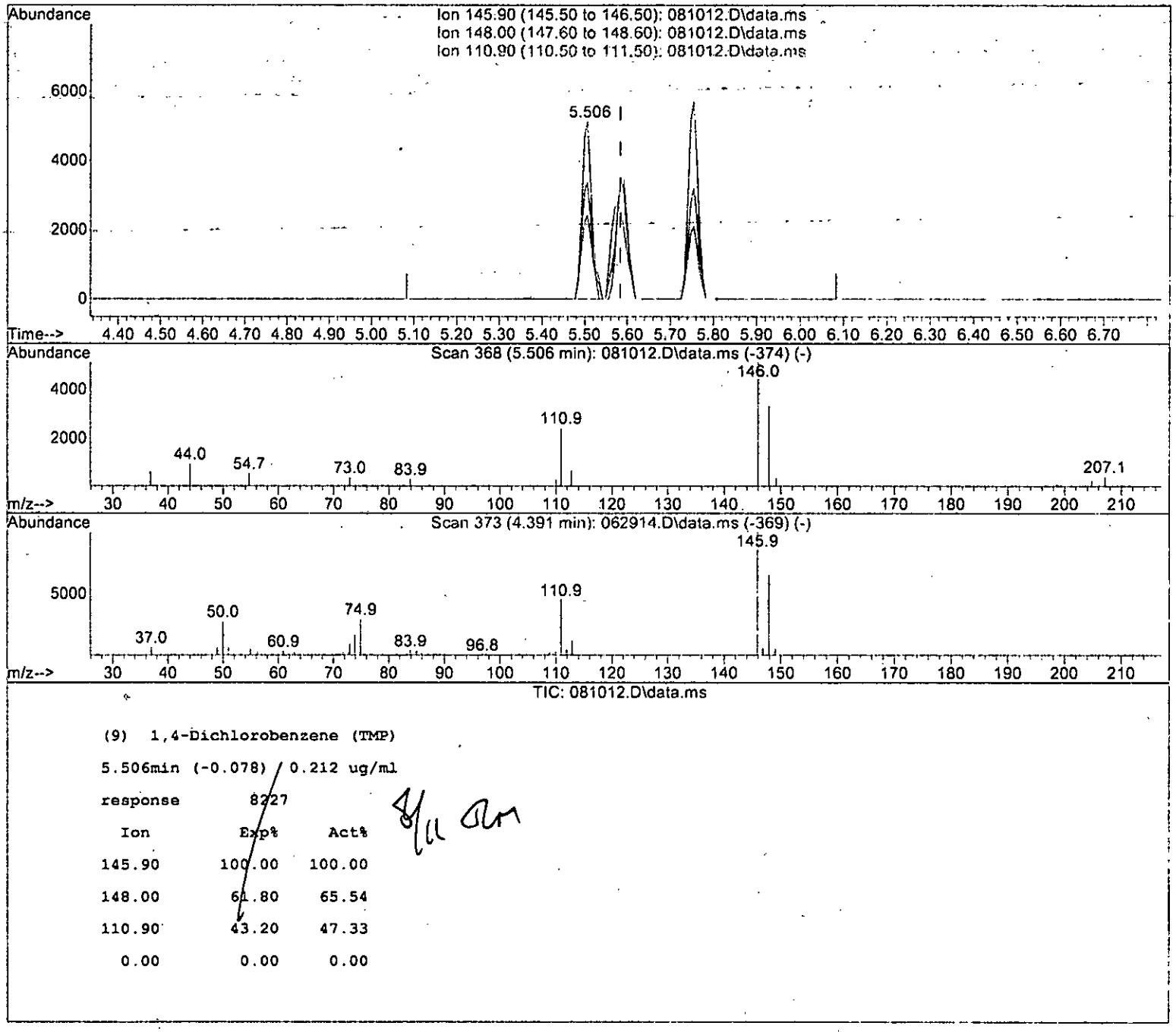
Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081012.D\data.ms

(9) 1,4-Dichlorobenzene (TMP)

5.506min (-0.078) / 0.212 ug/ml

response 8227

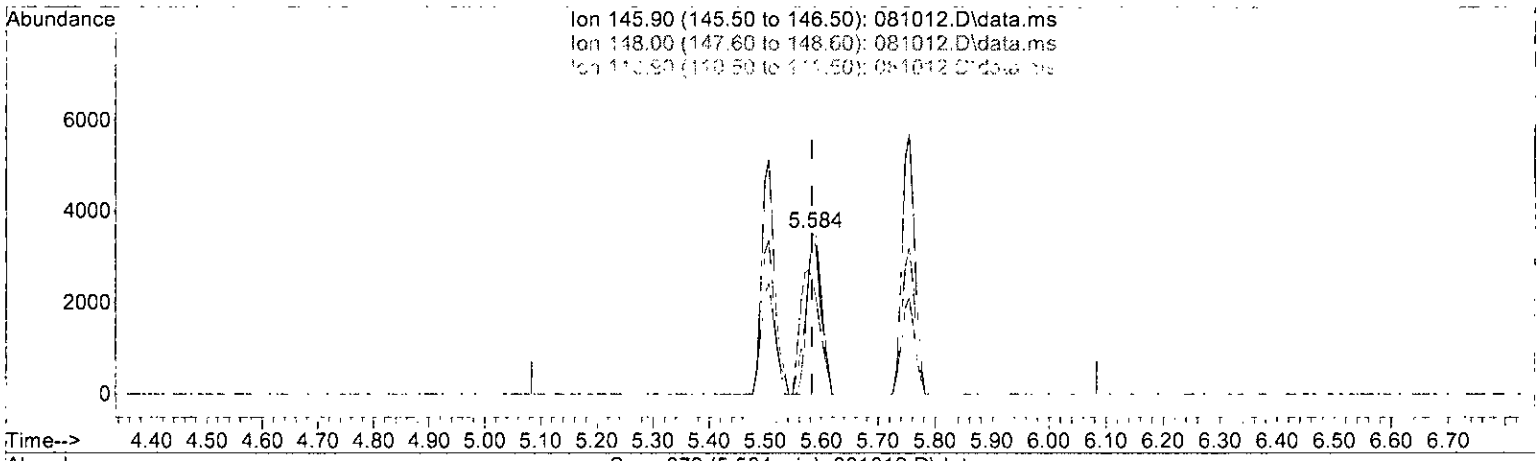
Ion	Exp%	Act%
145.90	100.00	100.00
148.00	64.80	65.54
110.90	43.20	47.33
0.00	0.00	0.00

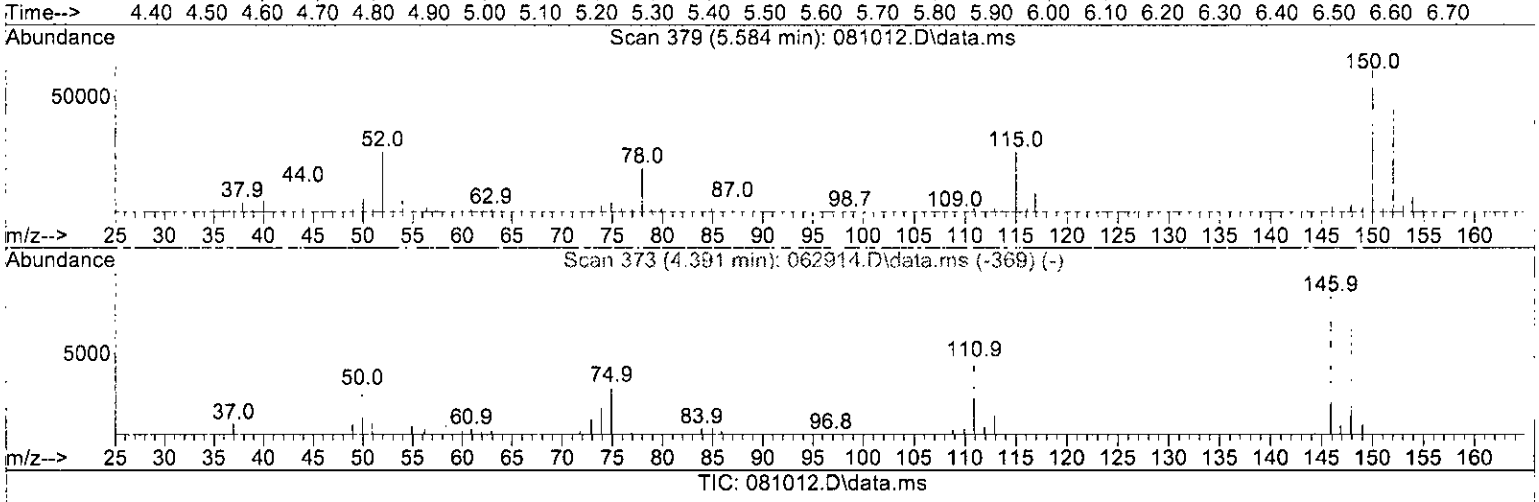
8/11 am

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





(9) 1,4-Dichlorobenzene (TMP)

5.584min (+ 0.000) 0.159 ug/ml m

response 6170

Ion	Exp%	Act%
145.90	100.00	100.00
148.00	61.80	99.57#
110.90	43.20	71.40
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	0.200	0.185	7.5	100	0.00
5	TMP	Phenol	0.200	0.190	5.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	0.200	0.203	-1.5	100	0.00
7	TMP	2-Chlorophenol	0.200	0.193	3.5	100	0.00
8	TMP	1,3-Dichlorobenzene	0.200	0.208	-4.0	100	0.00
9	TMP	1,4-Dichlorobenzene	0.200	0.159	20.5#	100	0.00
10	TMP	1,2-Dichlorobenzene	0.200	0.226	-13.0	100	0.00
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	0.200	0.205	-2.5	100	0.00
13	TMP	2-Methylphenol	0.200	0.167	16.5	100	0.00
14	TMP	Hexachloroethane	0.200	0.177	11.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.200	0.223	-11.5	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	0.200	0.185	7.5	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	0.200	0.171	14.5	100	0.00
20	TMP	Isophorone	0.200	0.185	7.5	100	0.00
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.200	0.218	-9.0	100	0.00
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.200	0.223	-11.5	100	0.00
27	TMP	Naphthalene	0.200	0.201	-0.5	100	0.00
28	TMP	Hexachlorobutadiene	0.200	0.217	-8.5	100	0.00
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.200	0.203	-1.5	100	0.00
32	TMP	1-Methylnaphthalene	0.200	0.202	-1.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.200	0.160	20.0#	100	0.00
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	0.200	0.177	11.5	100	0.00
38	TMP	2-Chloronaphthalene	0.200	0.202	-1.0	100	0.00
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.200	0.197	1.5	100	0.00
42	TMP	2,6-Dinitrotoluene	0.200	0.222	-11.0	100	0.00
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.200	0.200	0.0	100	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.200	0.210	-5.0	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.200	0.141	29.5#	100	-0.01
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.200	0.192	4.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.200	0.165	17.5	100	0.00
52	TMP	1,2-Diphenylhydrazine	0.200	0.177	11.5	100	0.00
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.200	0.205	-2.5	100	0.00
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.200	0.186	7.0	100	0.00
59	TMP	Hexachlorobenzene	0.200	0.189	5.5	100	0.00
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.200	0.201	-0.5	100	0.00
62	TMP	Anthracene	0.200	0.195	2.5	100	0.00
63	TMP	Carbazole	0.200	0.193	3.5	100	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.000	0.0	0	-15.07#
65	TMP	Fluoranthene	0.200	0.190	5.0	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.200	0.195	2.5	100	0.00
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	0.200	0.199	0.5	100	0.00
73	TMP	Chrysene	0.200	0.202	-1.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.200	0.182	9.0	100	0.00
78	TMP	Benzo(b)fluoranthene	0.200	0.189	5.5	100	0.00
79	TMP	Benzo(k)fluoranthene	0.200	0.185	7.5	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	0.200	0.206	-3.0	119	-0.01
81	TMP	Dibenz(a,h)anthracene	0.200	0.165	17.5	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.200	0.179	10.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	1.186	7.3	100	0.00
5	TMP	Phenol	1.625	1.544	5.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.275	-1.7	100	0.00
7	TMP	2-Chlorophenol	1.210	1.166	3.6	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.504	-4.0	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.128	20.6#	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.595	-12.9	100	0.00
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.172	-2.3	100	0.00
13	TMP	2-Methylphenol	1.055	0.882	16.4	100	0.00
14	TMP	Hexachloroethane	0.629	0.557	11.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.974	-11.3	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.010	7.3	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.354	14.5	100	0.00
20	TMP	Isophorone	0.690	0.638	7.5	100	0.00
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.472	-9.0	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.446	-11.5	100	0.00
27	TMP	Naphthalene	1.188	1.194	-0.5	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.339	-8.3	100	0.00
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.767	-1.3	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.734	-1.1	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.430	20.1#	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	1.243	11.6	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.252	-1.2	100	0.00
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.095	1.4	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.102#	61.4#	100	0.00
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.489	0.0	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.461	-4.9	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.264	29.2#	100	-0.01
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.475	4.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.617	17.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.196	11.8	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.574	-2.5	100	0.00
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.225	7.0	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.276	5.8	100	0.00
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.211	-0.7	100	0.00
62	TMP	Anthracene	1.177	1.147	2.5	100	0.00
63	TMP	Carbazole	0.901	0.871	3.3	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	-15.07#
65	TMP	Fluoranthene	1.367	1.301	4.8	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.632	2.5	100	0.00
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	1.522	7.0	100	0.00
73	TMP	Chrysene	1.403	1.420	-1.2	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.115	8.8	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.418	5.6	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.334	7.6	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.034	-2.8	119	-0.01
81	TMP	Dibenz(a,h)anthracene	1.005	0.828	17.6	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	0.942	10.3	100	0.00

(#) = Out of Range SPCC's out = 26 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	218817	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	716524	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	402893	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	789230	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	650415	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	583512	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	5.13	99	6488	0.185	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery =	1.27%#		
18) Nitrobenzene-d5	0.00	82	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	8.93	172	12517	0.177	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery =	1.80%#		
53) 2,4,6-Tribromophenol	0.00	330	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.	d	
5) Phenol	5.15	94	8445	0.190	ug/ml	96
6) Bis(2-chloroethyl) ether	5.27	63	6974	0.203	ug/ml	93
7) 2-Chlorophenol	5.33	128	6376	0.193	ug/ml	92
8) 1,3-Dichlorobenzene	5.51	146	8227	0.208	ug/ml	94
9) 1,4-Dichlorobenzene	5.58	146	6170m	0.159	ug/ml	
10) 1,2-Dichlorobenzene	5.75	146	8724	0.226	ug/ml	94
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	5.87	45	17354	0.205	ug/ml	91
13) 2-Methylphenol	5.82	108	4827	0.167	ug/ml#	73
14) Hexachloroethane	6.14	117	3048	0.177	ug/ml#	71
15) N-Nitroso-di-n-propyla...	6.01	70	5330	0.223	ug/ml	92
16) 3-Methylphenol + 4-Met...	5.99	108	5527	0.185	ug/ml	92
19) Nitrobenzene	6.22	77	6342	0.171	ug/ml	90
20) Isophorone	6.52	82	11431	0.185	ug/ml	97
21) 2-Nitrophenol	0.00		0	N.D.	d	
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	8463	0.218	ug/ml	86
25) 2,4-Dichlorophenol	0.00		0	N.D.	d	
26) 1,2,4-Trichlorobenzene	7.07	180	7998	0.223	ug/ml	84
27] Naphthalene	7.18	128	21396	0.201	ug/ml	100
28) Hexachlorobutadiene	7.37	225	6072	0.217	ug/ml	94
29) 4-Chloroaniline	0.00		0	N.D.	d	
30) 4-Chloro-3-methylphenol	0.00		0	N.D.	d	
31] 2-Methylnaphthalene	8.27	142	13740	0.203	ug/ml	98
32] 1-Methylnaphthalene	8.44	142	13149	0.202	ug/ml	98
34) Hexachlorocyclopentadiene	8.54	237	4328	0.160	ug/ml	93
35) 2,4,6-Trichlorophenol	0.00		0	N.D.	d	
36) 2,4,5-Trichlorophenol	0.00		0	N.D.	d	
38) 2-Chloronaphthalene	9.13	162	12611	0.202	ug/ml	89
39) 2-Nitroaniline	0.00		0	N.D.	d	
40) Dimethyl phthalate	0.00		0	N.D.	d	
41] Acenaphthylene	9.93	152	21106	0.197	ug/ml	100
42) 2,6-Dinitrotoluene	9.83	165	1029	0.222	ug/ml#	3
43) 3-Nitroaniline	0.00		0	N.D.	d	
44] Acenaphthene	10.28	153	15002	0.200	ug/ml	99
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46] Dibenzofuran	10.65	168	24787	0.210	ug/ml	79
47) 2,4-Dinitrotoluene	10.65	165	2656	0.141	ug/ml#	75
48) 4-Nitrophenol	0.00		0	N.D.	d	
49) Diethyl phthalate	0.00		0	N.D.	d	
50] Fluorene	11.39	166	14852	0.192	ug/ml	98
51) 4-Chlorophenyl phenyl ...	11.43	204	6211	0.165	ug/ml	91
52) 1,2-Diphenylhydrazine	11.77	77	12050	0.177	ug/ml	91
55) N-Nitrosodiphenylamine	11.70	169	11331	0.205	ug/ml	97
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.	d	
58) 4-Bromophenyl phenyl e...	12.52	248	4444	0.186	ug/ml	90
59) Hexachlorobenzene	12.60	284	5441	0.189	ug/ml	79
60) Pentachlorophenol	0.00		0	N.D.	d	
61] Phenanthrene	13.54	178	23885	0.201	ug/ml	99
62] Anthracene	13.65	178	22639	0.195	ug/ml	100
63] Carbazole	14.07	167	17190	0.193	ug/ml	99
64) Di-n-butyl phthalate	0.00		0	N.D.	d	
65] Fluoranthene	16.35	202	25677	0.190	ug/ml	99
67) Benzidine	0.00		0	N.D.	d	
68] Pyrene	16.87	202	26541	0.195	ug/ml	98
70) Benzyl butyl phthalate	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

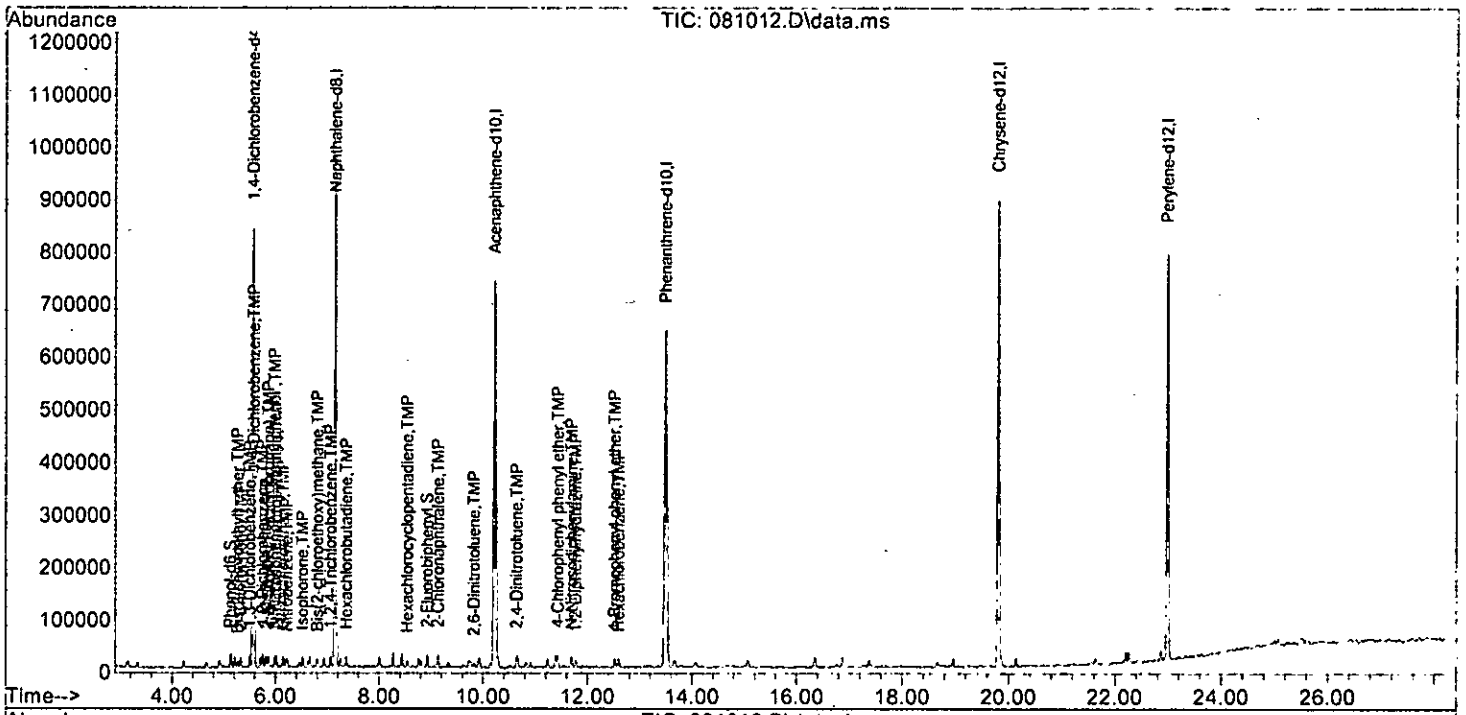
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	3,3'-Dichlorobenzidine	0.00		0	N.D.	d	
72]	Benz(a)anthracene	19.79	228	24747	0.199	ug/ml	98
73]	Chrysene	19.87	228	23088	0.202	ug/ml	99
74)	Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76)	Di-n-octyl phthalate	0.00		0	N.D.	d	
77]	Benzo(a)pyrene	22.86	252	16261	0.182	ug/ml	100
78]	Benzo(b)fluoranthene	22.20	252	20689	0.189	ug/ml	100
79]	Benzo(k)fluoranthene	22.26	252	19461	0.185	ug/ml	99
80]	Indeno(1,2,3-cd)pyrene	25.00	276	15082	0.206	ug/ml	98
81]	Dibenz(a,h)anthracene	25.07	278	12084	0.165	ug/ml	100
82]	Benzo(g,h,i)perylene	25.52	276	13744	0.179	ug/ml	99

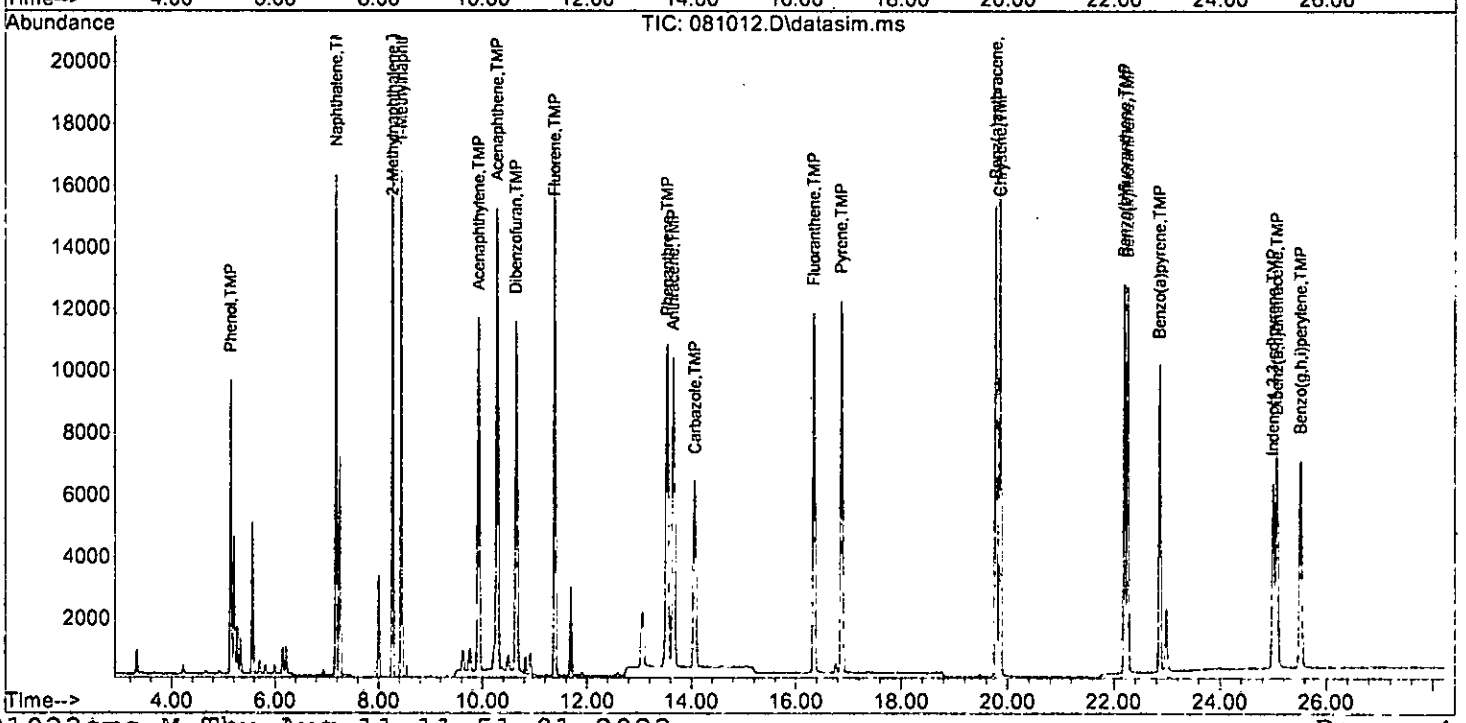
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

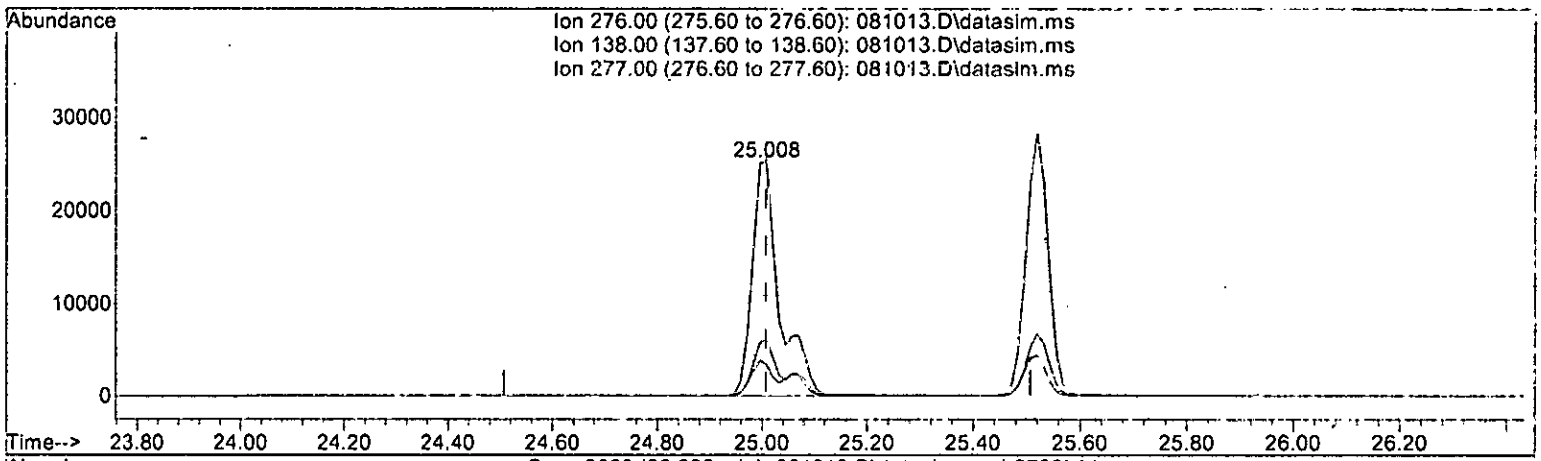


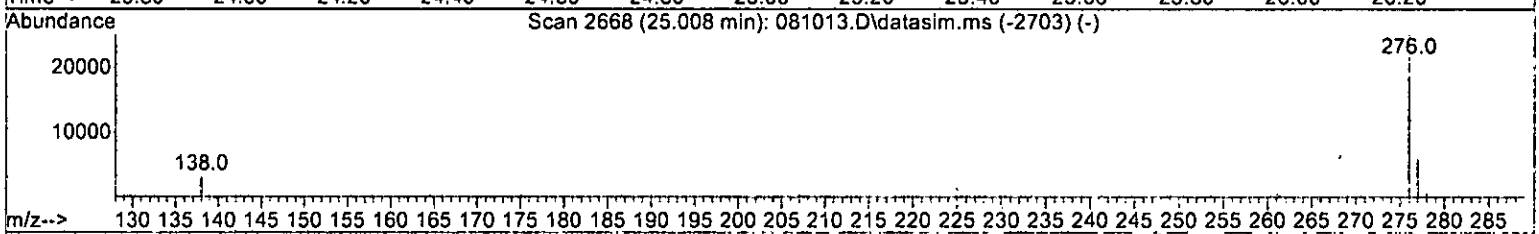


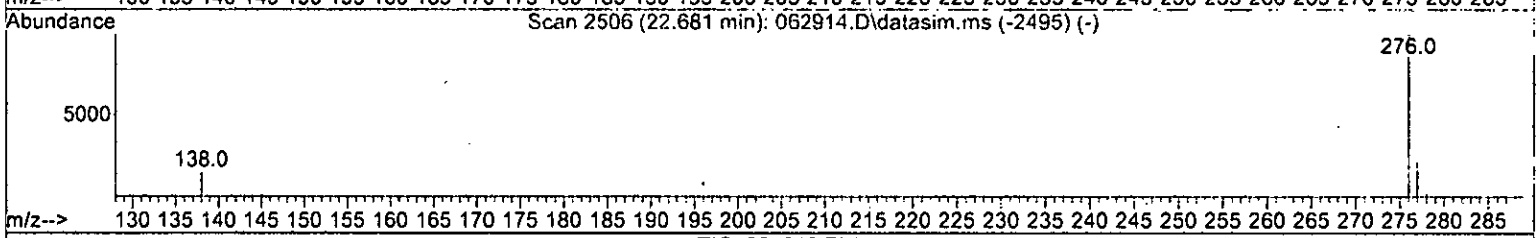
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:11 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081013.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 1.190 ug/ml

response 92808

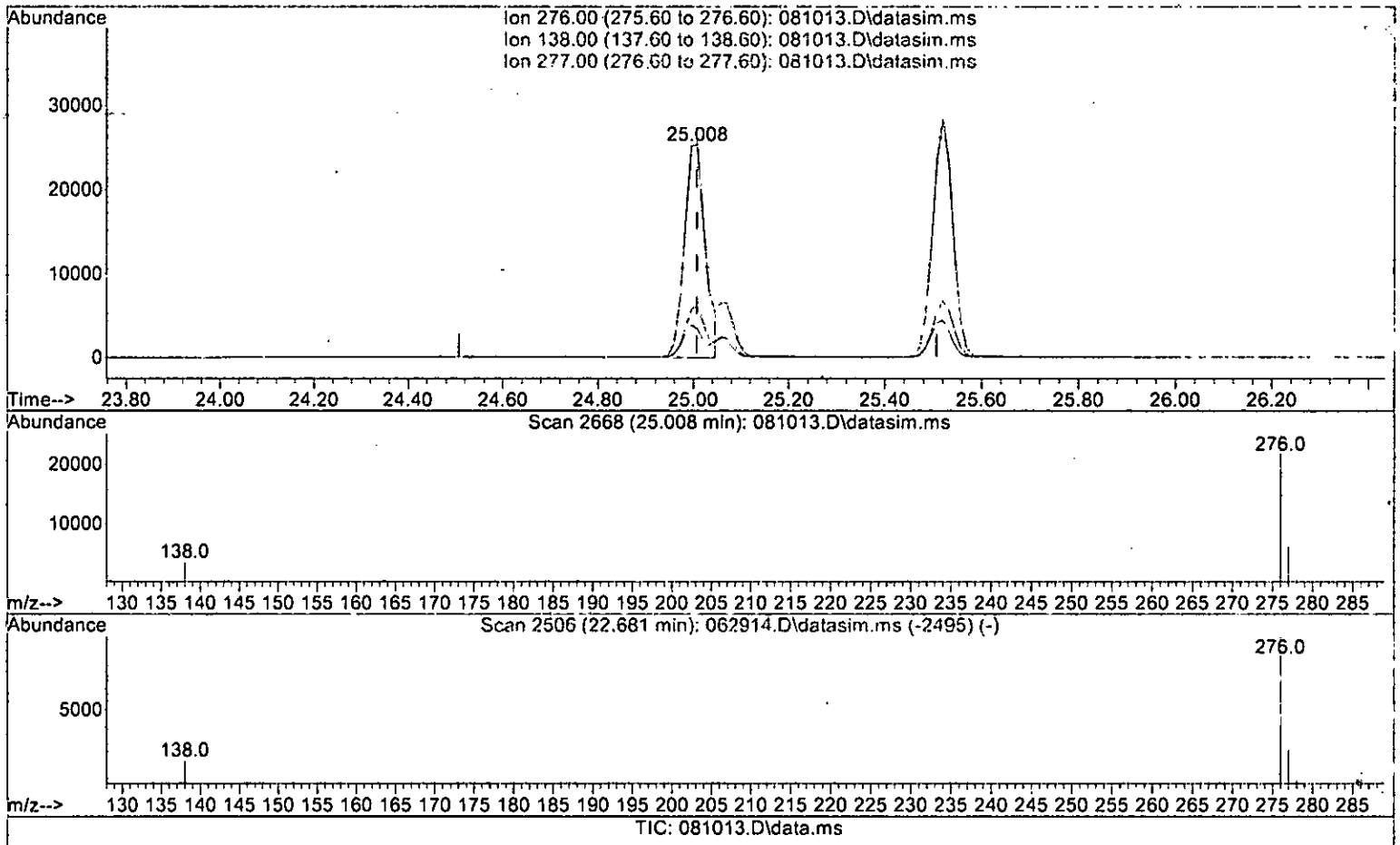
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.38
277.00	24.10	23.98
0.00	0.00	0.00

8/11 GM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:11 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081013.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 0.992 ug/ml m

response 77380

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.60
277.00	24.10	24.18
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	1.000	0.830	17.0	95	0.00
3	S	2-Fluorophenol	1.000	0.878	12.2	94	0.00
4	S	Phenol-d6	1.000	0.883	11.7	100	0.00
5	TMP	Phenol	1.000	0.931	6.9	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.000	0.923	7.7	100	0.00
7	TMP	2-Chlorophenol	1.000	0.927	7.3	100	0.00
8	TMP	1,3-Dichlorobenzene	1.000	0.888	11.2	100	0.00
9	TMP	1,4-Dichlorobenzene	1.000	0.916	8.4	100	0.00
10	TMP	1,2-Dichlorobenzene	1.000	0.915	8.5	100	0.00
11	TMP	Benzyl alcohol	1.000	0.900	10.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	1.000	0.922	7.8	100	0.00
13	TMP	2-Methylphenol	1.000	0.901	9.9	100	0.00
14	TMP	Hexachloroethane	1.000	0.971	2.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	1.000	0.904	9.6	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.000	0.917	8.3	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	1.000	1.032	-3.2	100	0.00
19	TMP	Nitrobenzene	1.000	0.939	6.1	100	0.00
20	TMP	Isophorone	1.000	0.888	11.2	100	0.00
21	TMP	2-Nitrophenol	1.000	0.907	9.3	100	0.00
22	TMP	2,4-Dimethylphenol	1.000	0.913	8.7	100	0.00
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	1.000	0.957	4.3	100	0.00
25	TMP	2,4-Dichlorophenol	1.000	0.892	10.8	100	0.00
26	TMP	1,2,4-Trichlorobenzene	1.000	1.001	-0.1	100	0.00
27	TMP	Naphthalene	1.000	0.974	2.6	100	0.00
28	TMP	Hexachlorobutadiene	1.000	0.970	3.0	100	0.00
29	TMP	4-Chloroaniline	1.000	0.960	4.0	100	0.00
30	TMP	4-Chloro-3-methylphenol	1.000	0.890	11.0	100	0.00
31	TMP	2-Methylnaphthalene	1.000	0.990	1.0	100	0.00
32	TMP	1-Methylnaphthalene	1.000	0.990	1.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	1.000	0.874	12.6	100	0.00
35	TMP	2,4,6-Trichlorophenol	1.000	0.783	21.7#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	1.000	0.867	13.3	100	0.00
37	S	2-Fluorobiphenyl	1.000	0.980	2.0	100	0.00
38	TMP	2-Chloronaphthalene	1.000	0.910	9.0	100	0.00
39	TMP	2-Nitroaniline	1.000	0.781	21.9#	100	0.00
40	TMP	Dimethyl phthalate	1.000	0.913	8.7	100	-0.01
41	TMP	Acenaphthylene	1.000	0.967	3.3	100	0.00
42	TMP	2,6-Dinitrotoluene	1.000	0.860	14.0	100	0.00
43	TMP	3-Nitroaniline	1.000	0.886	11.4	100	0.00
44	TMP	Acenaphthene	1.000	0.966	3.4	100	0.00
45	TMP	2,4-Dinitrophenol	1.000	1.134	-13.4	100	-0.01
46	TMP	Dibenzofuran	1.000	1.013	-1.3	100	-0.01
47	TMP	2,4-Dinitrotoluene	1.000	0.994	0.6	100	-0.01
48	TMP	4-Nitrophenol	1.000	1.054	-5.4	100	0.00
49	TMP	Diethyl phthalate	1.000	0.863	13.7	100	0.00
50	TMP	Fluorene	1.000	0.966	3.4	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	1.000	0.896	10.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.000	0.961	3.9	100	0.00
53	S	2,4,6-Tribromophenol	1.000	0.825	17.5	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	1.000	0.889	11.1	100	0.00
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	1.000	1.047	-4.7	100	0.00
58	TMP	4-Bromophenyl phenyl ether	1.000	1.003	-0.3	100	0.00
59	TMP	Hexachlorobenzene	1.000	1.020	-2.0	100	0.00
60	TMP	Pentachlorophenol	1.000	0.773	22.7#	100	0.00
61	TMP	Phenanthrene	1.000	0.973	2.7	100	0.00
62	TMP	Anthracene	1.000	0.967	3.3	100	0.00
63	TMP	Carbazole	1.000	1.029	-2.9	100	0.00
64	TMP	Di-n-butyl phthalate	1.000	0.792	20.8#	100	0.00
65	TMP	Fluoranthene	1.000	0.979	2.1	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	1.000	0.981	1.9	100	0.00
68	TMP	Pyrene	1.000	0.951	4.9	100	0.00
69	S	Terphenyl-d14	1.000	0.908	9.2	100	0.00
70	TMP	Benzyl butyl phthalate	1.000	0.789	21.1#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	1.000	1.155	-15.5	100	0.00
72	TMP	Benz(a)anthracene	1.000	0.963	3.7	100	0.00
73	TMP	Chrysene	1.000	0.970	3.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	1.000	0.746	25.4#	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.000	0.995	0.5	100	0.00
77	TMP	Benzo(a)pyrene	1.000	0.940	6.0	100	0.00
78	TMP	Benzo(b)fluoranthene	1.000	0.946	5.4	100	0.00
79	TMP	Benzo(k)fluoranthene	1.000	0.952	4.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.000	0.992	0.8	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.000	0.978	2.2	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.000	1.011	-1.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.550	16.9	95	0.00
3	S	2-Fluorophenol	1.064	0.934	12.2	94	0.00
4	S	Phenol-d6	1.279	1.129	11.7	100	0.00
5	TMP	Phenol	1.625	1.513	6.9	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.157	7.7	100	0.00
7	TMP	2-Chlorophenol	1.210	1.122	7.3	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.284	11.2	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.301	8.4	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.293	8.5	100	0.00
11	TMP	Benzyl alcohol	0.768	0.691	10.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	2.858	7.8	100	0.00
13	TMP	2-Methylphenol	1.055	0.950	10.0	100	0.00
14	TMP	Hexachloroethane	0.629	0.611	2.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.792	9.5	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.000	8.3	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.414	-3.2	100	0.00
19	TMP	Nitrobenzene	0.414	0.389	6.0	100	0.00
20	TMP	Isophorone	0.690	0.613	11.2	100	0.00
21	TMP	2-Nitrophenol	0.173	0.157	9.2	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.346	8.7	100	0.00
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.415	4.2	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.285	10.7	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.401	-0.3	100	0.00
27	TMP	Naphthalene	1.188	1.157	2.6	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.303	3.2	100	0.00
29	TMP	4-Chloroaniline	0.433	0.416	3.9	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.286	11.2	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.749	1.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.719	1.0	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.470	12.6	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.377	21.8#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.437	13.3	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.378	2.0	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.125	9.1	100	0.00
39	TMP	2-Nitroaniline	0.437	0.341	22.0#	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.330	8.7	100	-0.01
41	TMP	Acenaphthylene	2.125	2.055	3.3	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.199#	24.6#	100	0.00
43	TMP	3-Nitroaniline	0.498	0.441	11.4	100	0.00
44	TMP	Acenaphthene	1.489	1.437	3.5	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.092	42.1#	100	-0.01
46	TMP	Dibenzofuran	2.346	2.377	-1.3	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.371	0.5	100	-0.01
48	TMP	4-Nitrophenol	0.297	0.261	12.1	100	0.00
49	TMP	Diethyl phthalate	1.527	1.318	13.7	100	0.00
50	TMP	Fluorene	1.536	1.483	3.5	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.669	10.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.302	4.0	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.242	17.4	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.498	11.1	100	0.00
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.064	36.6#	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.242	0.0	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.298	-1.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.160	22.7#	100	0.00
61	TMP	Phenanthrene	1.202	1.170	2.7	100	0.00
62	TMP	Anthracene	1.177	1.139	3.2	100	0.00
63	TMP	Carbazole	0.901	0.928	-3.0	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.021	20.8#	100	0.00
65	TMP	Fluoranthene	1.367	1.338	2.1	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.451	2.0	100	0.00
68	TMP	Pyrene	1.674	1.591	5.0	100	0.00
69	S	Terphenyl-d14	1.068	0.970	9.2	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.439	21.0#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.358	-15.5	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.383	15.5	100	0.00
73	TMP	Chrysene	1.403	1.361	3.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.587	25.4#	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.066	25.1#	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.150	6.0	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.420	5.5	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.374	4.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.998	0.8	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	0.983	2.2	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.062	-1.1	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	211982	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	683034	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	394276	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	816275	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	706777	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	620567	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	24756	0.878	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 5.87%#			
4) Phenol-d6	5.13	99	29916	0.883	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 5.87%#			
18) Nitrobenzene-d5	6.20	82	35332	1.032	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 10.30%#			
37) 2-Fluorobiphenyl	8.93	172	67912	0.980	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 9.80%#			
53) 2,4,6-Tribromophenol	11.91	330	11912	0.825	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 5.53%#			
69) Terphenyl-d14	17.38	244	85683	0.908	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 9.10%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.12	74	14561	0.830	ug/ml	93
5] Phenol	5.15	94	40079	0.931	ug/ml	98
6) Bis(2-chloroethyl) ether	5.27	63	30657	0.923	ug/ml	98
7) 2-Chlorophenol	5.33	128	29728	0.927	ug/ml	92
8) 1,3-Dichlorobenzene	5.51	146	34027	0.888	ug/ml	97
9) 1,4-Dichlorobenzene	5.58	146	34474	0.916	ug/ml	95
10) 1,2-Dichlorobenzene	5.75	146	34250	0.915	ug/ml	98
11) Benzyl alcohol	5.70	108	18317	0.900	ug/ml	93
12) 2,2'-Oxybis(1-chloropr...	5.87	45	75732	0.922	ug/ml	97
13) 2-Methylphenol	5.82	108	25169	0.901	ug/ml	99
14) Hexachloroethane	6.15	117	16186	0.971	ug/ml	91
15) N-Nitroso-di-n-propyla...	6.02	70	20974	0.904	ug/ml	94
16) 3-Methylphenol + 4-Met...	6.00	108	26498	0.917	ug/ml	89
19) Nitrobenzene	6.22	77	33201	0.939	ug/ml	92
20) Isophorone	6.52	82	52365	0.888	ug/ml	99
21) 2-Nitrophenol	6.63	139	13367	0.907	ug/ml	90
22) 2,4-Dimethylphenol	6.66	107	29578	0.913	ug/ml	99
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	35413	0.957	ug/ml	96
25) 2,4-Dichlorophenol	6.94	162	24325	0.892	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.07	180	34200	1.001	ug/ml	94
27] Naphthalene	7.18	128	98785	0.974	ug/ml	100
28) Hexachlorobutadiene	7.37	225	25878	0.970	ug/ml.	88
29) 4-Chloroaniline	7.26	127	35505	0.960	ug/ml	97
30) 4-Chloro-3-methylphenol	8.00	107	24435	0.890	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	63975	0.990	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	61360	0.990	ug/ml	100
34) Hexachlorocyclopentadiene	8.54	237	23169	0.874	ug/ml	97
35) 2,4,6-Trichlorophenol	8.76	196	18591	0.783	ug/ml	80
36) 2,4,5-Trichlorophenol	8.81	196	21549	0.867	ug/ml	96
38) 2-Chloronaphthalene	9.14	162	55461	0.910	ug/ml	95
39) 2-Nitroaniline	9.33	65	16819	0.781	ug/ml	98
40) Dimethyl phthalate	9.72	163	65549	0.913	ug/ml	99
41] Acenaphthylene	9.93	152	101256	0.967	ug/ml	100
42) 2,6-Dinitrotoluene	9.83	165	9793	0.860	ug/ml#	65
43) 3-Nitroaniline	10.15	65	21715	0.886	ug/ml	96
44] Acenaphthene	10.28	153	70836	0.966	ug/ml	100
45) 2,4-Dinitrophenol	10.36	184	4523	1.134	ug/ml#	66
46] Dibenzofuran	10.65	168	117136	1.013	ug/ml	79
47) 2,4-Dinitrotoluene	10.65	165	18281	0.994	ug/ml	87
48) 4-Nitrophenol	10.51	65	12863	1.054	ug/ml	99
49) Diethyl phthalate	11.23	149	64972	0.863	ug/ml	93
50] Fluorene	11.39	166	73094	0.966	ug/ml	100
51) 4-Chlorophenyl phenyl ...	11.43	204	32989	0.896	ug/ml	92
52) 1,2-Diphenylhydrazine	11.77	77	64171	0.961	ug/ml	97
55) N-Nitrosodiphenylamine	11.70	169	50778	0.889	ug/ml	97
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	11.52	198	6556	1.047	ug/ml	79
58) 4-Bromophenyl phenyl e...	12.53	248	24740	1.003	ug/ml	83
59) Hexachlorobenzene	12.60	284	30442	1.020	ug/ml	93
60] Pentachlorophenol	13.06	266	16321	0.773	ug/ml	99
61] Phenanthrene	13.54	178	119379	0.973	ug/ml	100
62] Anthracene	13.65	178	116222	0.967	ug/ml	100
63] Carbazole	14.07	167	94646	1.029	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	104190	0.792	ug/ml	98
65] Fluoranthene	16.35	202	136516	0.979	ug/ml	99
67) Benzidine	16.77	184	39864	0.981	ug/ml	92
68] Pyrene	16.87	202	140596	0.951	ug/ml	98
70) Benzyl butyl phthalate	18.67	149	38768	0.789	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

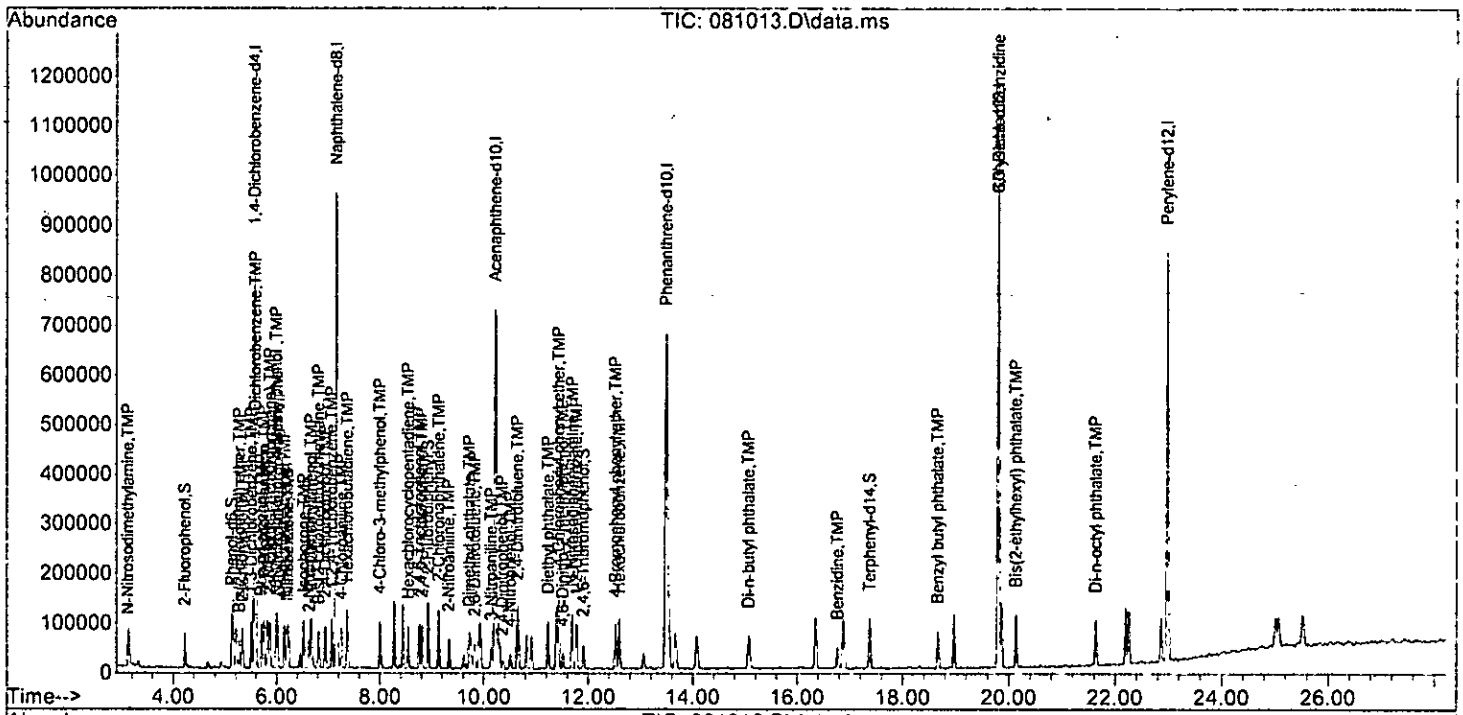
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.81	252	31607	1.155	ug/ml	91
72] Benz(a)anthracene	19.79	228	122152	0.963	ug/ml	100
73] Chrysene	19.87	228	120229	0.970	ug/ml	99
74) Bis(2-ethylhexyl) phth...	20.14	149	51843	0.746	ug/ml	95
76) Di-n-octyl phthalate	21.64	149	82719	0.995	ug/ml	99
77] Benzo(a)pyrene	22.87	252	89171	0.940	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	110177	0.946	ug/ml	100
79] Benzo(k)fluoranthene	22.26	252	106564	0.952	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	77380m	0.992	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	76256	0.978	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	82378	1.011	ug/ml	99

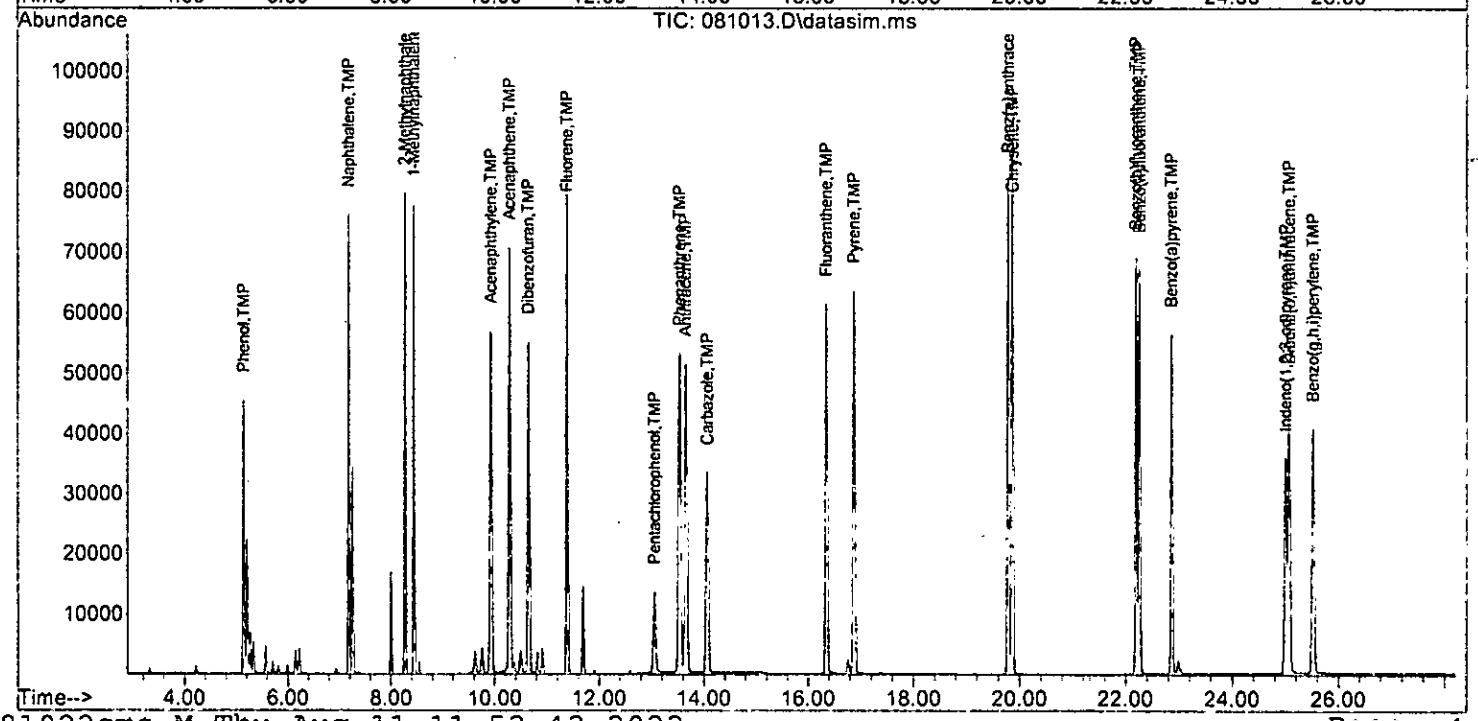
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

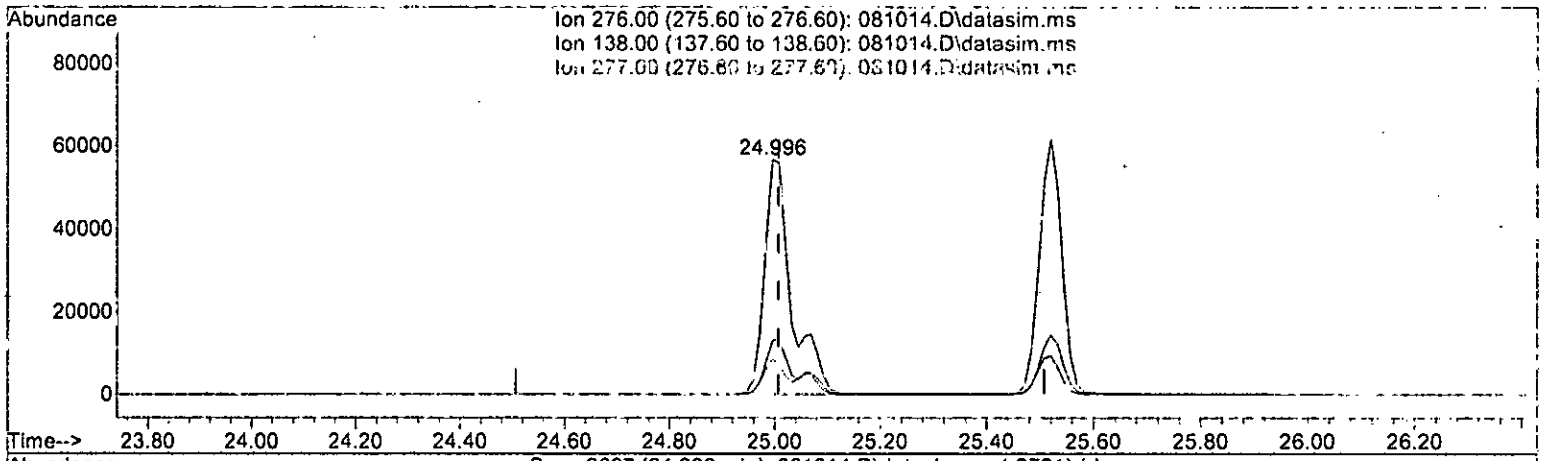


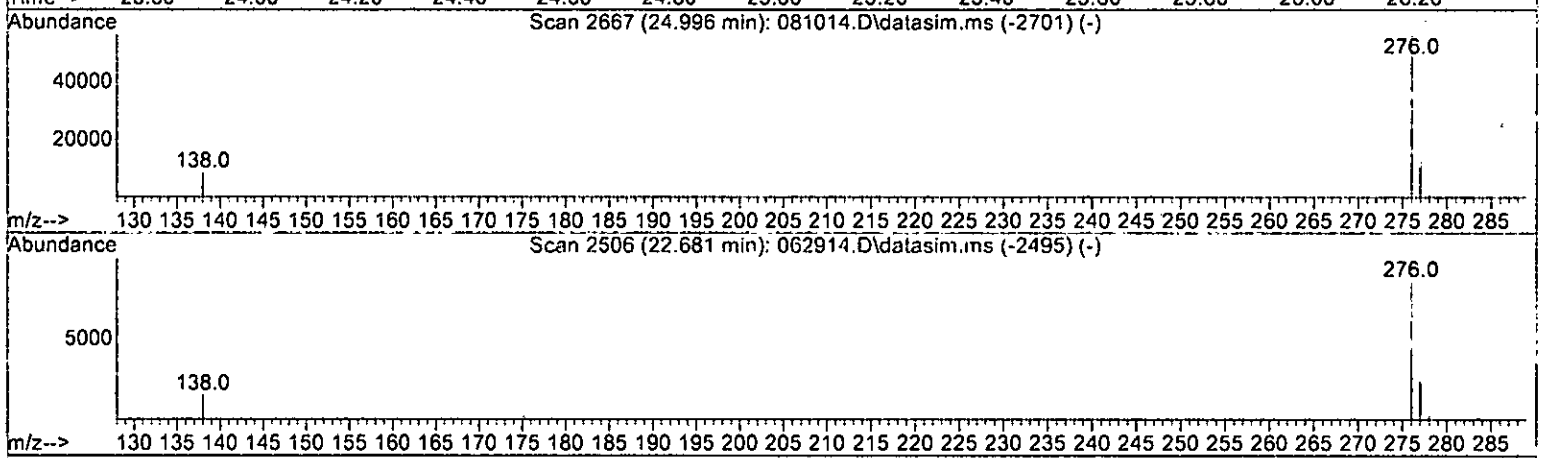


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:14 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081014.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 2.565 ug/ml

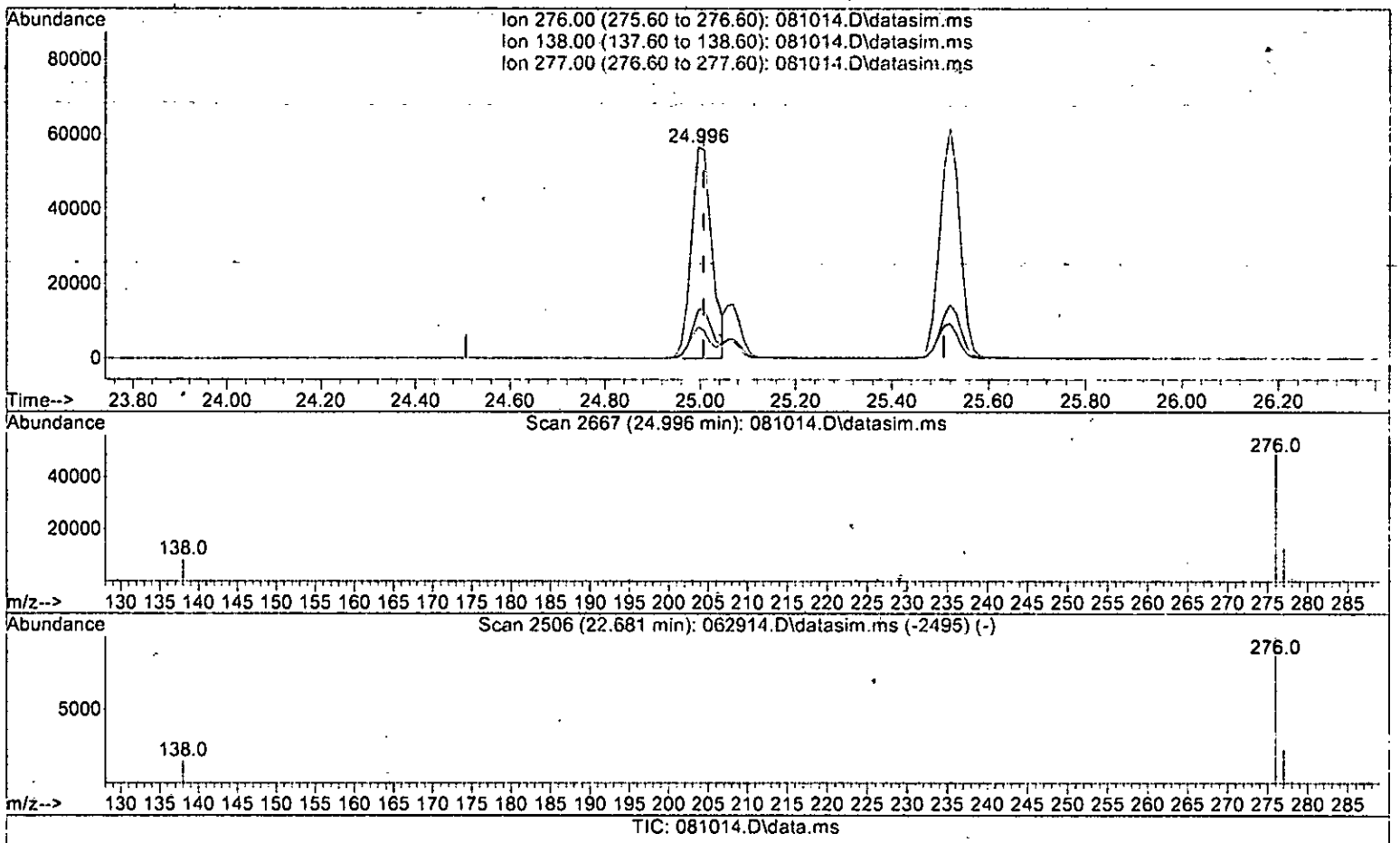
response 204220

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.95
277.00	24.60	22.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:14 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081014.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 2.131 ug/ml m

response 169635

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.05
277.00	24.10	22.99
0.00	0.00	0.00

8/11 CM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	2.000	1.984	0.8	94	0.00
3	S	2-Fluorophenol	2.000	2.008	-0.4	100	0.00
4	S	Phenol-d6	2.000	2.017	-0.8	100	0.00
5	TMP	Phenol	2.000	2.036	-1.8	100	0.00
6	TMP	Bis(2-chloroethyl) ether	2.000	2.033	-1.6	100	0.00
7	TMP	2-Chlorophenol	2.000	1.957	2.1	100	0.00
8	TMP	1,3-Dichlorobenzene	2.000	2.087	-4.4	100	0.00
9	TMP	1,4-Dichlorobenzene	2.000	2.102	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	2.000	1.995	0.2	100	0.00
11	TMP	Benzyl alcohol	2.000	1.994	0.3	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	2.000	2.104	-5.2	100	0.00
13	TMP	2-Methylphenol	2.000	2.137	-6.9	100	0.00
14	TMP	Hexachloroethane	2.000	2.065	-3.2	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	2.000	2.025	-1.2	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	2.000	2.093	-4.6	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	2.000	1.962	1.9	100	0.00
19	TMP	Nitrobenzene	2.000	2.027	-1.4	100	0.00
20	TMP	Isophorone	2.000	2.010	-0.5	100	0.00
21	TMP	2-Nitrophenol	2.000	1.777	11.2	100	0.00
22	TMP	2,4-Dimethylphenol	2.000	2.017	-0.8	100	0.00
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	2.000	1.928	3.6	100	0.00
25	TMP	2,4-Dichlorophenol	2.000	1.878	6.1	100	0.00
26	TMP	1,2,4-Trichlorobenzene	2.000	1.924	3.8	100	0.00
27	TMP	Naphthalene	2.000	1.989	0.5	100	0.00
28	TMP	Hexachlorobutadiene	2.000	1.921	3.9	100	0.00
29	TMP	4-Chloroaniline	2.000	1.917	4.1	100	0.00
30	TMP	4-Chloro-3-methylphenol	2.000	1.977	1.1	100	0.00
31	TMP	2-Methylnaphthalene	2.000	2.044	-2.2	100	0.00
32	TMP	1-Methylnaphthalene	2.000	2.049	-2.4	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	2.000	1.725	13.7	100	0.00
35	TMP	2,4,6-Trichlorophenol	2.000	1.784	10.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	2.000	1.896	5.2	100	0.00
37	S	2-Fluorobiphenyl	2.000	1.881	5.9	100	0.00
38	TMP	2-Chloronaphthalene	2.000	1.898	5.1	100	0.00
39	TMP	2-Nitroaniline	2.000	1.795	10.3	100	0.00
40	TMP	Dimethyl phthalate	2.000	1.784	10.8	100	-0.01
41	TMP	Acenaphthylene	2.000	1.954	2.3	100	0.00
42	TMP	2,6-Dinitrotoluene	2.000	1.987	0.6	100	0.00
43	TMP	3-Nitroaniline	2.000	1.819	9.1	100	0.00
44	TMP	Acenaphthene	2.000	1.925	3.7	100	0.00
45	TMP	2,4-Dinitrophenol	2.000	1.807	9.7	100	0.00
46	TMP	Dibenzofuran	2.000	2.012	-0.6	100	-0.01
47	TMP	2,4-Dinitrotoluene	2.000	1.894	5.3	100	-0.01
48	TMP	4-Nitrophenol	2.000	1.780	11.0	100	-0.01
49	TMP	Diethyl phthalate	2.000	1.894	5.3	100	0.00
50	TMP	Fluorene	2.000	1.955	2.2	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	2.000	1.991	0.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	2.000	1.885	5.8	100	0.00
53	S	2,4,6-Tribromophenol	2.000	1.739	13.0	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	2.000	1.829	8.6	100	0.00
56	TMP	4-Nitroaniline	2.000	2.428	-21.4#	100	0.00
57	TMP	4,6-Dinitro-2-methylphenol	2.000	1.771	11.5	100	0.00
58	TMP	4-Bromophenyl phenyl ether	2.000	1.869	6.6	100	0.00
59	TMP	Hexachlorobenzene	2.000	1.780	11.0	100	0.00
60	TMP	Pentachlorophenol	2.000	1.640	18.0	100	0.00
61	TMP	Phenanthrene	2.000	1.920	4.0	100	0.00
62	TMP	Anthracene	2.000	1.941	2.9	100	0.00
63	TMP	Carbazole	2.000	2.152	-7.6	100	0.00
64	TMP	Di-n-butyl phthalate	2.000	1.609	19.6	100	0.00
65	TMP	Fluoranthene	2.000	1.967	1.6	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	2.000	1.961	1.9	100	0.00
68	TMP	Pyrene	2.000	1.987	0.6	100	0.00
69	S	Terphenyl-d14	2.000	1.929	3.5	100	0.00
70	TMP	Benzyl butyl phthalate	2.000	1.754	12.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	2.000	2.397	-19.8	100	0.00
72	TMP	Benz(a)anthracene	2.000	2.032	-1.6	100	0.00
73	TMP	Chrysene	2.000	2.014	-0.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	2.000	1.766	11.7	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	2.000	2.004	-0.2	100	0.00
77	TMP	Benzo(a)pyrene	2.000	1.993	0.3	100	0.00
78	TMP	Benzo(b)fluoranthene	2.000	2.013	-0.6	100	0.00
79	TMP	Benzo(k)fluoranthene	2.000	2.027	-1.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	2.000	2.131	-6.5	100	-0.01
81	TMP	Dibenz(a,h)anthracene	2.000	2.128	-6.4	100	0.00
82	TMP	Benzo(g,h,i)perylene	2.000	2.157	-7.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.657	0.8	94	0.00
3	S	2-Fluorophenol	1.064	1.068	-0.4	100	0.00
4	S	Phenol-d6	1.279	1.290	-0.9	100	0.00
5	TMP	Phenol	1.625	1.654	-1.8	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.275	-1.7	100	0.00
7	TMP	2-Chlorophenol	1.210	1.183	2.2	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.508	-4.3	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.494	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.409	0.3	100	0.00
11	TMP	Benzyl alcohol	0.768	0.766	0.3	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.262	-5.2	100	0.00
13	TMP	2-Methylphenol	1.055	1.127	-6.8	100	0.00
14	TMP	Hexachloroethane	0.629	0.650	-3.3	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.886	-1.3	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.140	-4.6	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.394	1.7	100	0.00
19	TMP	Nitrobenzene	0.414	0.420	-1.4	100	0.00
20	TMP	Isophorone	0.690	0.694	-0.6	100	0.00
21	TMP	2-Nitrophenol	0.173	0.153	11.6	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.383	-1.1	100	0.00
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.418	3.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.300	6.0	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.385	3.8	100	0.00
27	TMP	Naphthalene	1.188	1.181	0.6	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.300	4.2	100	0.00
29	TMP	4-Chloroaniline	0.433	0.415	4.2	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.318	1.2	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.773	-2.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.744	-2.5	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.464	13.8	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.430	10.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.478	5.2	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.323	5.9	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.174	5.1	100	0.00
39	TMP	2-Nitroaniline	0.437	0.392	10.3	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.300	10.8	100	-0.01
41	TMP	Acenaphthylene	2.125	2.076	2.3	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.258	2.3	100	0.00
43	TMP	3-Nitroaniline	0.498	0.452	9.2	100	0.00
44	TMP	Acenaphthene	1.489	1.432	3.8	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.103	35.2#	100	0.00
46	TMP	Dibenzofuran	2.346	2.360	-0.6	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.353	5.4	100	-0.01
48	TMP	4-Nitrophenol	0.297	0.232	21.9#	100	-0.01
49	TMP	Diethyl phthalate	1.527	1.446	5.3	100	0.00
50	TMP	Fluorene	1.536	1.501	2.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.744	0.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.278	5.8	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.255	13.0	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.512	8.6	100	0.00
56	TMP	4-Nitroaniline	0.087	0.106	-21.8#	100	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.070	30.7#	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.226	6.6	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.260	11.3	100	0.00
60	TMP	Pentachlorophenol	0.207	0.170	17.9	100	0.00
61	TMP	Phenanthrene	1.202	1.154	4.0	100	0.00
62	TMP	Anthracene	1.177	1.143	2.9	100	0.00
63	TMP	Carbazole	0.901	0.969	-7.5	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.037	19.6	100	0.00
65	TMP	Fluoranthene	1.367	1.344	1.7	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.451	2.0	100	0.00
68	TMP	Pyrene	1.674	1.663	0.7	100	0.00
69	S	Terphenyl-d14	1.068	1.031	3.5	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.488	12.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.371	-19.7	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.451	11.4	100	0.00
73	TMP	Chrysene	1.403	1.413	-0.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.695	11.7	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.172	17.6	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.219	0.3	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.512	-0.7	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.462	-1.3	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.071	-6.5	100	-0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.069	-6.4	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.133	-7.9	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	203118	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	699819	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	420177	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	897677	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	754817	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	633312	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	54240	2.008	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery =	13.40%		
4) Phenol-d6	5.13	99	65502	2.017	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery =	13.47%		
18) Nitrobenzene-d5	6.20	82	68847	1.962	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery =	19.60%		
37) 2-Fluorobiphenyl	8.93	172	138948	1.881	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery =	18.80%#		
53) 2,4,6-Tribromophenol	11.91	330	26742	1.739	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery =	11.60%		
69) Terphenyl-d14	17.38	244	194479	1.929	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery =	19.30%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	33360	1.984	ug/ml	98
5] Phenol	5.15	94	84006	2.036	ug/ml	98
6) Bis(2-chloroethyl) ether	5.27	63	64727	2.033	ug/ml	98
7) 2-Chlorophenol	5.34	128	60091	1.957	ug/ml	88
8) 1,3-Dichlorobenzene	5.51	146	76599	2.087	ug/ml	94
9) 1,4-Dichlorobenzene	5.58	146	75852	2.102	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	71543	1.995	ug/ml	94
11) Benzyl alcohol	5.70	108	38898	1.994	ug/ml	93
12) 2,2'-Oxybis(1-chloropr...	5.87	45	165624	2.104	ug/ml	100
13) 2-Methylphenol	5.82	108	57238	2.137	ug/ml	98
14) Hexachloroethane	6.14	117	32991	2.065	ug/ml	85
15) N-Nitroso-di-n-propyla...	6.02	70	45009	2.025	ug/ml	99
16) 3-Methylphenol + 4-Met...	6.00	108	57914	2.093	ug/ml	97
19) Nitrobenzene	6.22	77	73486	2.027	ug/ml	95
20) Isophorone	6.52	82	121397	2.010	ug/ml	98
21) 2-Nitrophenol	6.63	139	26835	1.777	ug/ml	97
22) 2,4-Dimethylphenol	6.67	107	66932	2.017	ug/ml	97
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	73090	1.928	ug/ml	99
25) 2,4-Dichlorophenol	6.94	162	52489	1.878	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.07	180	67359	1.924	ug/ml	94
27] Naphthalene	7.18	128	206682	1.989	ug/ml	100
28) Hexachlorobutadiene	7.37	225	52510	1.921	ug/ml	91
29) 4-Chloroaniline	7.26	127	72618	1.917	ug/ml	98
30) 4-Chloro-3-methylphenol	8.00	107	55595	1.977	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	135265	2.044	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	130108	2.049	ug/ml	98
34) Hexachlorocyclopentadiene	8.54	237	48743	1.725	ug/ml	90
35) 2,4,6-Trichlorophenol	8.76	196	45143	1.784	ug/ml	95
36) 2,4,5-Trichlorophenol	8.81	196	50225	1.896	ug/ml	94
38) 2-Chloronaphthalene	9.14	162	123309	1.898	ug/ml	98
39) 2-Nitroaniline	9.33	65	41213	1.795	ug/ml	93
40) Dimethyl phthalate	9.72	163	136531	1.784	ug/ml	99
41] Acenaphthylene	9.93	152	218074	1.954	ug/ml	99
42) 2,6-Dinitrotoluene	9.83	165	27152	1.987	ug/ml	90
43) 3-Nitroaniline	10.15	65	47526	1.819	ug/ml	94
44] Acenaphthene	10.28	153	150463	1.925	ug/ml	100
45) 2,4-Dinitrophenol	10.37	184	10816	1.807	ug/ml	86
46] Dibenzofuran	10.65	168	247853	2.012	ug/ml	80
47) 2,4-Dinitrotoluene	10.65	165	37129	1.894	ug/ml	97
48) 4-Nitrophenol	10.50	65	24374	1.780	ug/ml	98
49) Diethyl phthalate	11.23	149	151939	1.894	ug/ml	96
50] Fluorene	11.39	166	157722	1.955	ug/ml	99
51) 4-Chlorophenyl phenyl ...	11.43	204	78111	1.991	ug/ml	98
52) 1,2-Diphenylhydrazine	11.77	77	134198	1.885	ug/ml	95
55) N-Nitrosodiphenylamine	11.70	169	114846	1.829	ug/ml	98
56) 4-Nitroaniline	11.43	138	23720	2.428	ug/ml	88
57) 4,6-Dinitro-2-methylph...	11.52	198	15764	1.771	ug/ml	92
58) 4-Bromophenyl phenyl e...	12.53	248	50712	1.869	ug/ml	93
59) Hexachlorobenzene	12.60	284	58414	1.780	ug/ml	90
60] Pentachlorophenol	13.06	266	38094	1.640	ug/ml	100
61] Phenanthrene	13.54	178	259053	1.920	ug/ml	100
62] Anthracene	13.65	178	256482	1.941	ug/ml	100
63] Carbazole	14.07	167	217563	2.152	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	232662	1.609	ug/ml	98
65] Fluoranthene	16.35	202	301693	1.967	ug/ml	99
67) Benzidine	16.77	184	85084	1.961	ug/ml	92
68] Pyrene	16.87	202	313844	1.987	ug/ml	99
70) Benzyl butyl phthalate	18.66	149	92047	1.754	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.81	252	70074	2.397	ug/ml	94
72] Benz(a)anthracene	19.79	228	273735	2.032	ug/ml	100
73] Chrysene	19.87	228	266618	2.014	ug/ml	99
74) Bis(2-ethylhexyl) phth...	20.14	149	131116	1.766	ug/ml	99
76) Di-n-octyl phthalate	21.64	149	185517	2.004	ug/ml	99
77] Benzo(a)pyrene	22.87	252	193017	1.993	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	239373	2.013	ug/ml	100
79] Benzo(k)fluoranthene	22.26	252	231551	2.027	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.00	276	169635m	2.131	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	169314	2.128	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	179323	2.157	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
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Misc :
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InstName : GCMS9

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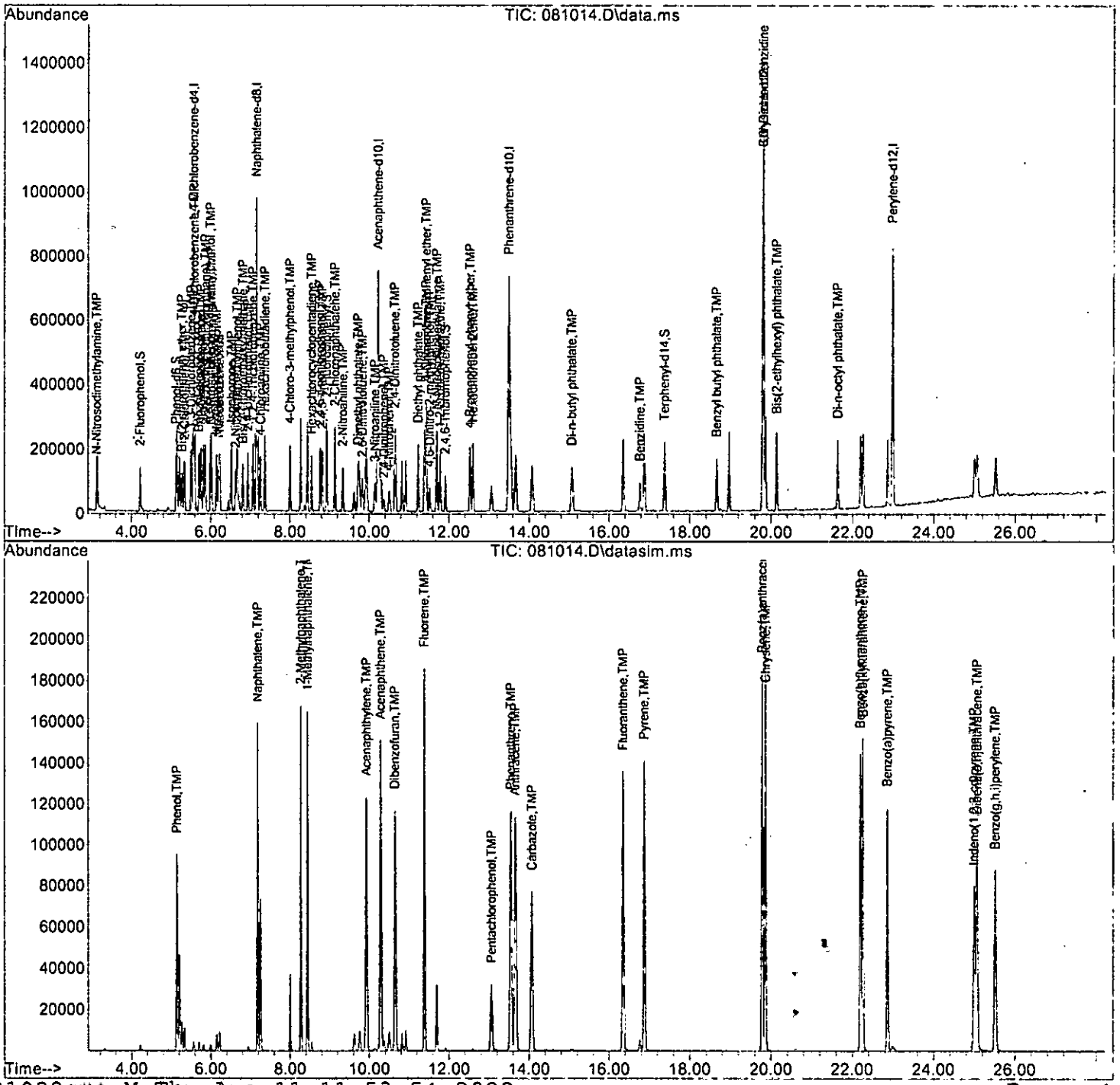
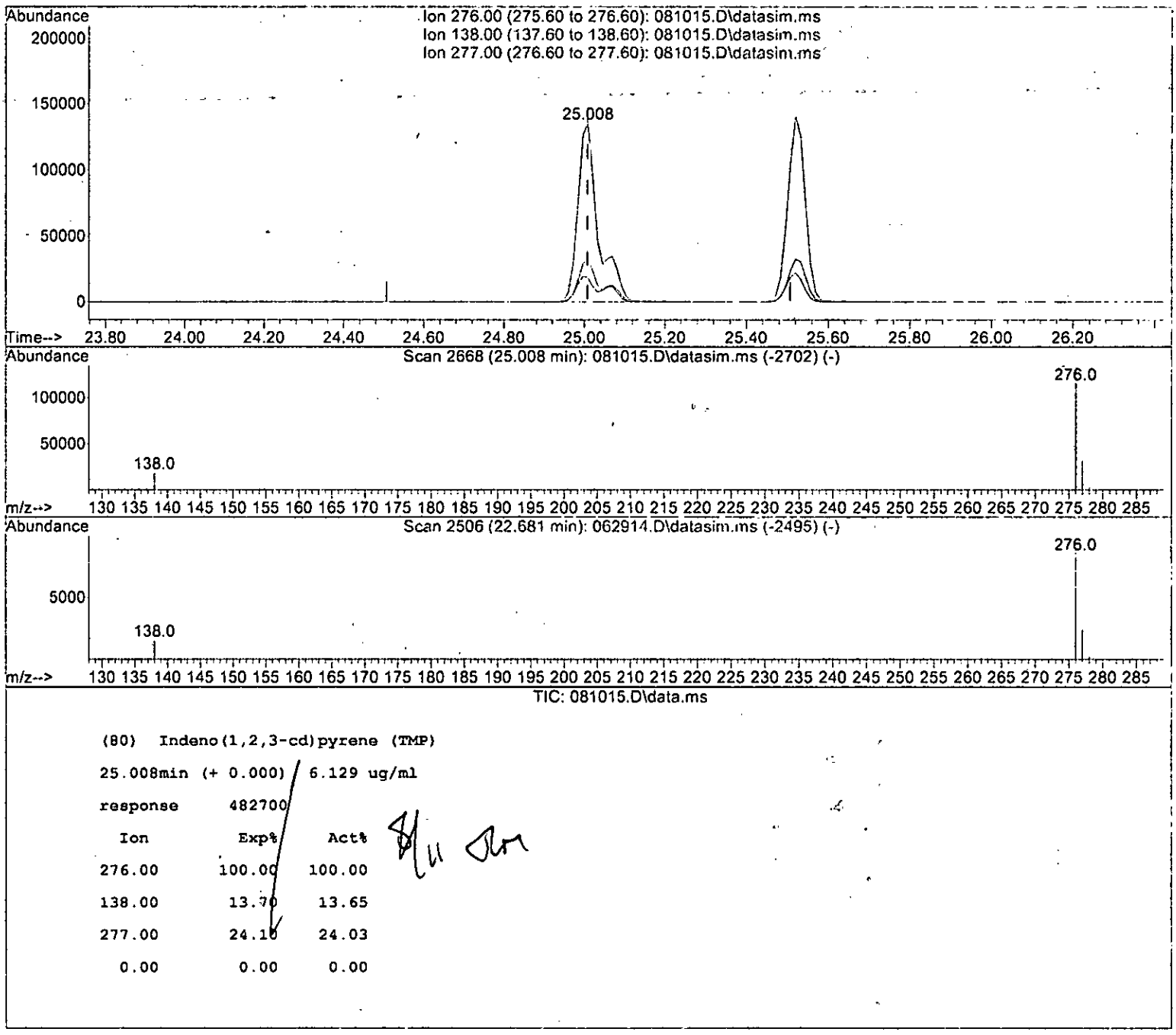
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:18 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081015.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 6.129 ug/ml

response 482700

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.65
277.00	24.10	24.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
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Quant Time: Aug 11 11:40:18 2022
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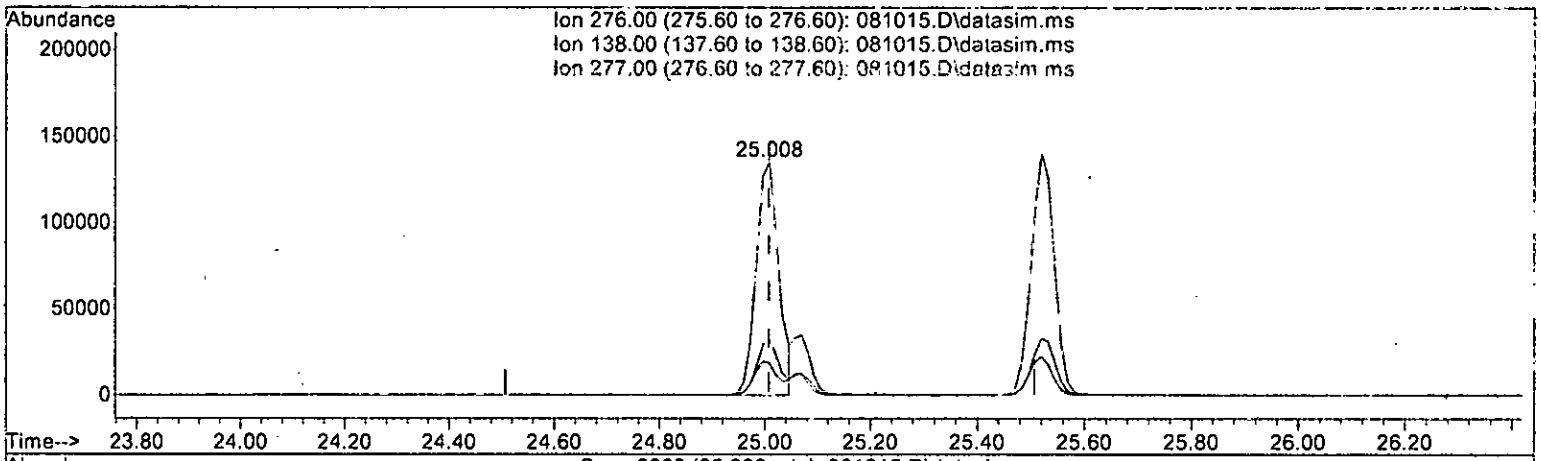
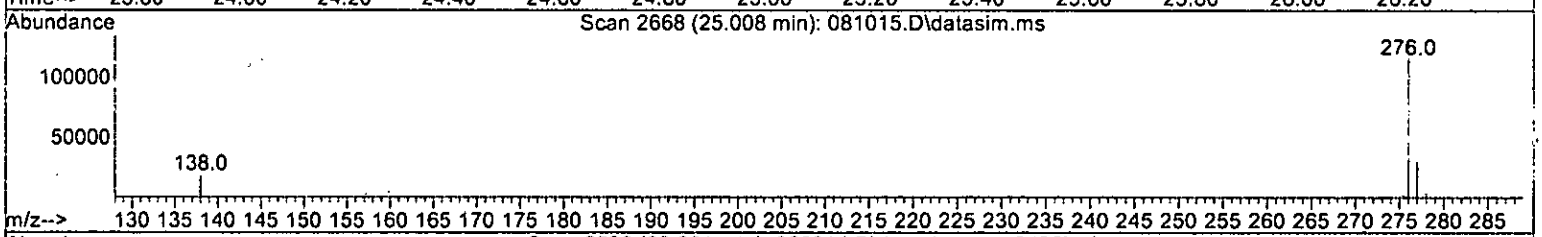
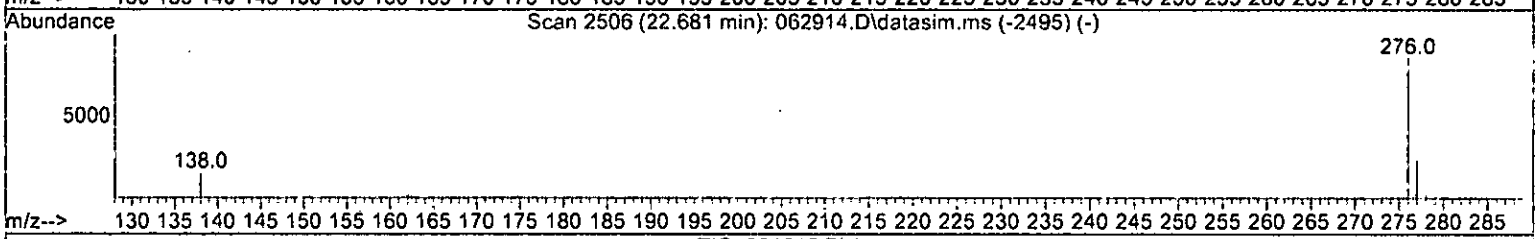
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081015.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 5.080 ug/ml m

response 400130

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.69
277.00	24.10	24.07
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	5.000	4.324	13.5	90	0.00
3	S	2-Fluorophenol	5.000	4.718	5.6	100	0.00
4	S	Phenol-d6	5.000	4.997	0.1	100	0.00
5	TMP	Phenol	5.000	4.798	4.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	5.000	4.700	6.0	100	0.00
7	TMP	2-Chlorophenol	5.000	4.807	3.9	100	0.00
8	TMP	1,3-Dichlorobenzene	5.000	4.788	4.2	100	0.00
9	TMP	1,4-Dichlorobenzene	5.000	4.972	0.6	100	0.00
10	TMP	1,2-Dichlorobenzene	5.000	4.829	3.4	100	0.00
11	TMP	Benzyl alcohol	5.000	4.769	4.6	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	4.776	4.5	100	0.00
13	TMP	2-Methylphenol	5.000	4.937	1.3	100	0.00
14	TMP	Hexachloroethane	5.000	4.625	7.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	5.000	4.636	7.3	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	5.000	4.850	3.0	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	5.000	5.019	-0.4	100	0.00
19	TMP	Nitrobenzene	5.000	5.225	-4.5	100	0.00
20	TMP	Isophorone	5.000	4.997	0.1	100	0.00
21	TMP	2-Nitrophenol	5.000	4.645	7.1	100	0.00
22	TMP	2,4-Dimethylphenol	5.000	4.873	2.5	100	0.00
23	TMP	Benzoic acid	5.000	5.022	-0.4	100	0.00
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.978	0.4	100	0.00
25	TMP	2,4-Dichlorophenol	5.000	5.039	-0.8	100	0.00
26	TMP	1,2,4-Trichlorobenzene	5.000	5.020	-0.4	100	0.00
27	TMP	Naphthalene	5.000	4.981	0.4	100	0.00
28	TMP	Hexachlorobutadiene	5.000	4.970	0.6	100	0.00
29	TMP	4-Chloroaniline	5.000	4.944	1.1	100	0.00
30	TMP	4-Chloro-3-methylphenol	5.000	4.908	1.8	100	0.00
31	TMP	2-Methylnaphthalene	5.000	5.027	-0.5	100	0.00
32	TMP	1-Methylnaphthalene	5.000	5.028	-0.6	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	5.000	5.273	-5.5	100	0.00
35	TMP	2,4,6-Trichlorophenol	5.000	4.821	3.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	5.000	4.970	0.6	100	0.00
37	S	2-Fluorobiphenyl	5.000	4.978	0.4	100	0.00
38	TMP	2-Chloronaphthalene	5.000	4.884	2.3	100	0.00
39	TMP	2-Nitroaniline	5.000	4.731	5.4	100	0.00
40	TMP	Dimethyl phthalate	5.000	4.869	2.6	100	0.00
41	TMP	Acenaphthylene	5.000	5.074	-1.5	100	0.00
42	TMP	2,6-Dinitrotoluene	5.000	5.065	-1.3	100	0.00
43	TMP	3-Nitroaniline	5.000	5.129	-2.6	100	0.00
44	TMP	Acenaphthene	5.000	4.950	1.0	100	0.00
45	TMP	2,4-Dinitrophenol	5.000	4.587	8.3	100	0.00
46	TMP	Dibenzofuran	5.000	5.150	-3.0	100	0.00
47	TMP	2,4-Dinitrotoluene	5.000	5.029	-0.6	100	0.00
48	TMP	4-Nitrophenol	5.000	4.789	4.2	100	0.00
49	TMP	Diethyl phthalate	5.000	4.981	0.4	100	0.00
50	TMP	Fluorene	5.000	5.049	-1.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	5.000	5.227	-4.5	100	0.00
52	TMP	1,2-Diphenylhydrazine	5.000	4.894	2.1	100	0.00
53	S	2,4,6-Tribromophenol	5.000	4.785	4.3	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	5.000	5.077	-1.5	100	0.00
56	TMP	4-Nitroaniline	5.000	5.514	-10.3	112	0.00
57	TMP	4,6-Dinitro-2-methylphenol	5.000	5.176	-3.5	100	0.00
58	TMP	4-Bromophenyl phenyl ether	5.000	5.105	-2.1	100	0.00
59	TMP	Hexachlorobenzene	5.000	5.246	-4.9	100	0.00
60	TMP	Pentachlorophenol	5.000	4.857	2.9	100	0.00
61	TMP	Phenanthrene	5.000	5.137	-2.7	100	0.00
62	TMP	Anthracene	5.000	5.197	-3.9	100	0.00
63	TMP	Carbazole	5.000	5.239	-4.8	100	0.00
64	TMP	Di-n-butyl phthalate	5.000	6.010	-20.2#	100	0.00
65	TMP	Fluoranthene	5.000	5.241	-4.8	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	5.000	4.565	8.7	100	0.00
68	TMP	Pyrene	5.000	5.062	-1.2	100	0.00
69	S	Terphenyl-d14	5.000	4.892	2.2	100	0.00
70	TMP	Benzyl butyl phthalate	5.000	4.836	3.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	5.000	5.076	-1.5	100	0.00
72	TMP	Benz(a)anthracene	5.000	5.114	-2.3	100	0.00
73	TMP	Chrysene	5.000	5.040	-0.8	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.794	4.1	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	5.000	4.947	1.1	100	0.00
77	TMP	Benzo(a)pyrene	5.000	5.067	-1.3	100	0.00
78	TMP	Benzo(b)fluoranthene	5.000	4.976	0.5	100	0.00
79	TMP	Benzo(k)fluoranthene	5.000	5.170	-3.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	5.080	-1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	5.000	5.094	-1.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	5.000	5.062	-1.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
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Quant Time: Aug 11 11:58:43 2022
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Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
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DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.573	13.4	90	0.00
3	S	2-Fluorophenol	1.064	1.004	5.6	100	0.00
4	S	Phenol-d6	1.279	1.278	0.1	100	0.00
5	TMP	Phenol	1.625	1.560	4.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.179	6.0	100	0.00
7	TMP	2-Chlorophenol	1.210	1.163	3.9	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.384	4.3	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.413	0.6	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.364	3.5	100	0.00
11	TMP	Benzyl alcohol	0.768	0.733	4.6	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	2.961	4.5	100	0.00
13	TMP	2-Methylphenol	1.055	1.041	1.3	100	0.00
14	TMP	Hexachloroethane	0.629	0.582	7.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.812	7.2	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.057	3.0	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.403	-0.5	100	0.00
19	TMP	Nitrobenzene	0.414	0.433	-4.6	100	0.00
20	TMP	Isophorone	0.690	0.690	0.0	100	0.00
21	TMP	2-Nitrophenol	0.173	0.160	7.5	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.370	2.4	100	0.00
23	TMP	Benzoic acid	0.178	0.125	29.8#	100	0.00
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.431	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.322	-0.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.402	-0.5	100	0.00
27	TMP	Naphthalene	1.188	1.183	0.4	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.311	0.6	100	0.00
29	TMP	4-Chloroaniline	0.433	0.428	1.2	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.316	1.9	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.761	-0.5	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.730	-0.6	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.568	-5.6	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.464	3.7	100	0.00

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
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Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.501	0.6	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.400	0.4	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.208	2.3	100	0.00
39	TMP	2-Nitroaniline	0.437	0.414	5.3	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.419	2.6	100	0.00
41	TMP	Acenaphthylene	2.125	2.156	-1.5	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.281	-6.4	100	0.00
43	TMP	3-Nitroaniline	0.498	0.510	-2.4	100	0.00
44	TMP	Acenaphthene	1.489	1.474	1.0	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.138	13.2	100	0.00
46	TMP	Dibenzofuran	2.346	2.416	-3.0	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.375	-0.5	100	0.00
48	TMP	4-Nitrophenol	0.297	0.266	10.4	100	0.00
49	TMP	Diethyl phthalate	1.527	1.521	0.4	100	0.00
50	TMP	Fluorene	1.536	1.551	-1.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.781	-4.6	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.327	2.1	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.280	4.4	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.568	-1.4	100	0.00
56	TMP	4-Nitroaniline	0.087	0.096	-10.3	112	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.101	0.0	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.247	-2.1	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.307	-4.8	100	0.00
60	TMP	Pentachlorophenol	0.207	0.201	2.9	100	0.00
61	TMP	Phenanthrene	1.202	1.235	-2.7	100	0.00
62	TMP	Anthracene	1.177	1.224	-4.0	100	0.00
63	TMP	Carbazole	0.901	0.944	-4.8	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.549	-20.2#	100	0.00
65	TMP	Fluoranthene	1.367	1.433	-4.8	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.420	8.7	100	0.00
68	TMP	Pyrene	1.674	1.695	-1.3	100	0.00
69	S	Terphenyl-d14	1.068	1.045	2.2	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.538	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
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Quant Time: Aug 11 11:58:43 2022
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Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.315	-1.6	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.469	10.3	100	0.00
73	TMP	Chrysene	1.403	1.414	-0.8	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.754	4.2	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.256	11.7	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.240	-1.4	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.495	0.5	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.492	-3.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.022	-1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.024	-1.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.063	-1.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	224716	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	699973	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	396800	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	808298	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	705973	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	626507	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	141001	4.718	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 31.47%			
4) Phenol-d6	5.13	99	179510	4.997	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 33.33%			
18) Nitrobenzene-d5	6.20	82	176131	5.019	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 50.20%			
37) 2-Fluorobiphenyl	8.93	172	347232	4.978	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 49.80%			
53) 2,4,6-Tribromophenol	11.91	330	69497	4.785	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 31.93%			
69) Terphenyl-d14	17.38	244	461243	4.892	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 48.90%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	80448	4.324	ug/ml	100
5] Phenol	5.15	94	219039	4.798	ug/ml	100
6) Bis(2-chloroethyl) ether	5.27	63	165563	4.700	ug/ml	100
7) 2-Chlorophenol	5.34	128	163348	4.807	ug/ml	100
8) 1,3-Dichlorobenzene	5.51	146	194418	4.788	ug/ml	100
9) 1,4-Dichlorobenzene	5.58	146	198451	4.972	ug/ml	100
10) 1,2-Dichlorobenzene	5.75	146	191622	4.829	ug/ml	100
11) Benzyl alcohol	5.70	108	102897	4.769	ug/ml	100
12) 2,2'-Oxybis(1-chloropr...	5.87	45	415855	4.776	ug/ml	100
13) 2-Methylphenol	5.82	108	146250	4.937	ug/ml	100
14) Hexachloroethane	6.14	117	81756	4.625	ug/ml	100
15) N-Nitroso-di-n-propyla...	6.02	70	113975	4.636	ug/ml	100
16) 3-Methylphenol + 4-Met...	6.00	108	148492	4.850	ug/ml	100
19) Nitrobenzene	6.22	77	189429	5.225	ug/ml	100
20) Isophorone	6.52	82	301840	4.997	ug/ml	100
21) 2-Nitrophenol	6.63	139	70179	4.645	ug/ml	100
22) 2,4-Dimethylphenol	6.67	107	161725	4.873	ug/ml	100
23) Benzoic acid	6.73	122	54811	5.022	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	188699	4.978	ug/ml	100
25) 2,4-Dichlorophenol	6.94	162	140846	5.039	ug/ml	100
26) 1,2,4-Trichlorobenzene	7.07	180	175808	5.020	ug/ml	100
27] Naphthalene	7.18	128	517664	4.981	ug/ml	100
28) Hexachlorobutadiene	7.37	225	135894	4.970	ug/ml	100
29) 4-Chloroaniline	7.26	127	187306	4.944	ug/ml	100
30) 4-Chloro-3-methylphenol	8.00	107	138063	4.908	ug/ml	100
31] 2-Methylnaphthalene	8.27	142	332828	5.027	ug/ml	100
32] 1-Methylnaphthalene	8.44	142	319384	5.028	ug/ml	100
34) Hexachlorocyclopentadiene	8.54	237	140743	5.273	ug/ml	100
35) 2,4,6-Trichlorophenol	8.76	196	115168	4.821	ug/ml	100
36) 2,4,5-Trichlorophenol	8.81	196	124288	4.970	ug/ml	100
38) 2-Chloronaphthalene	9.14	162	299689	4.884	ug/ml	100
39) 2-Nitroaniline	9.33	65	102588	4.731	ug/ml	100
40) Dimethyl phthalate	9.74	163	351879	4.869	ug/ml	100
41] Acenaphthylene	9.93	152	534758	5.074	ug/ml	100
42) 2,6-Dinitrotoluene	9.83	165	69713	5.065	ug/ml	100
43) 3-Nitroaniline	10.15	65	126585	5.129	ug/ml	100
44] Acenaphthene	10.28	153	365443	4.950	ug/ml	100
45) 2,4-Dinitrophenol	10.37	184	34248	4.587	ug/ml	100
46] Dibenzofuran	10.66	168	599171	5.150	ug/ml	100
47) 2,4-Dinitrotoluene	10.66	165	93120	5.029	ug/ml	100
48) 4-Nitrophenol	10.51	65	66003	4.789	ug/ml	100
49) Diethyl phthalate	11.23	149	377302	4.981	ug/ml	100
50] Fluorene	11.39	166	384624	5.049	ug/ml	100
51) 4-Chlorophenyl phenyl ...	11.43	204	193651	5.227	ug/ml	100
52) 1,2-Diphenylhydrazine	11.78	77	329072	4.894	ug/ml	100
55) N-Nitrosodiphenylamine	11.70	169	287030	5.077	ug/ml	100
56) 4-Nitroaniline	11.44	138	48511	5.514	ug/ml	100
57) 4,6-Dinitro-2-methylph...	11.52	198	51269	5.176	ug/ml	100
58) 4-Bromophenyl phenyl e...	12.53	248	124707	5.105	ug/ml	100
59) Hexachlorobenzene	12.60	284	155044	5.246	ug/ml	100
60] Pentachlorophenol	13.06	266	101586	4.857	ug/ml	100
61] Phenanthrene	13.54	178	623957	5.137	ug/ml	100
62] Anthracene	13.65	178	618196	5.197	ug/ml	100
63] Carbazole	14.07	167	476988	5.239	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	782557	6.010	ug/ml	100
65] Fluoranthene	16.35	202	723746	5.241	ug/ml	100
67) Benzidine	16.77	184	185232	4.565	ug/ml	100
68] Pyrene	16.87	202	747768	5.062	ug/ml	100
70) Benzyl butyl phthalate	18.67	149	237317	4.836	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

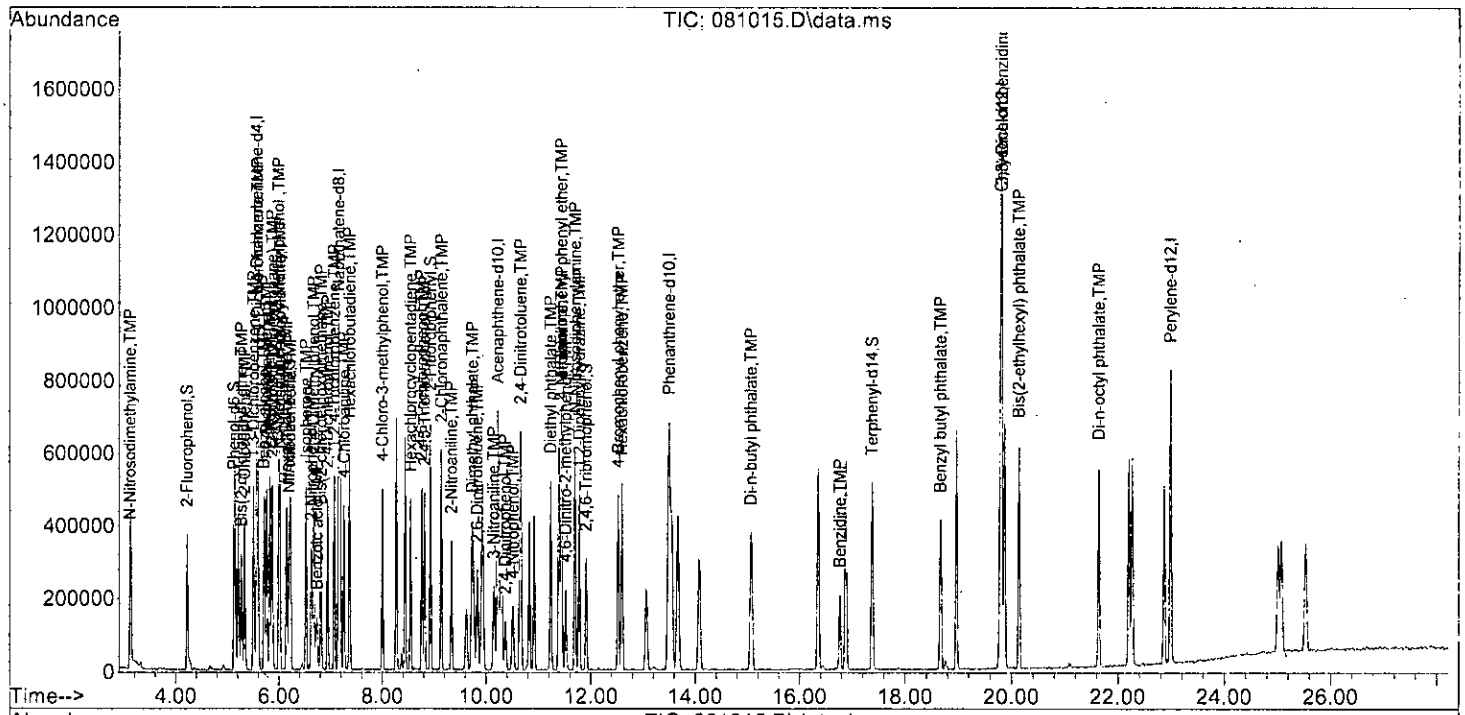
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	138774	5.076	ug/ml	100
72] Benz(a)anthracene	19.79	228	647976	5.114	ug/ml	100
73] Chrysene	19.87	228	623858	5.040	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	332847	4.794	ug/ml	100
76) Di-n-octyl phthalate	21.64	149	491852	4.947	ug/ml	100
77] Benzo(a)pyrene	22.87	252	485404	5.067	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	585337	4.976	ug/ml	100
79] Benzo(k)fluoranthene	22.27	252	584248	5.170	ug/ml	100
80] Indeno(1,2,3-cd)pyrene	25.01	276	400130m	5.080	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	400900	5.094	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	416236	5.062	ug/ml	100

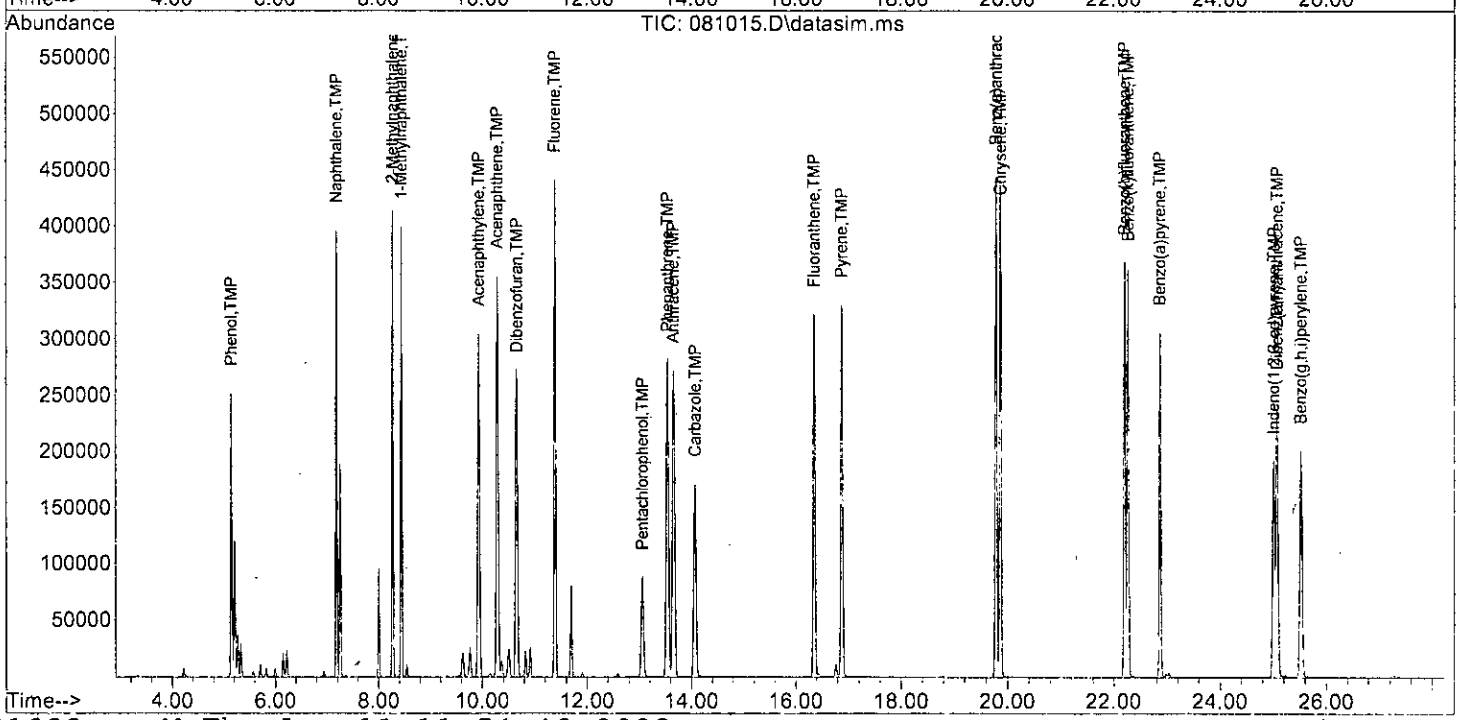
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

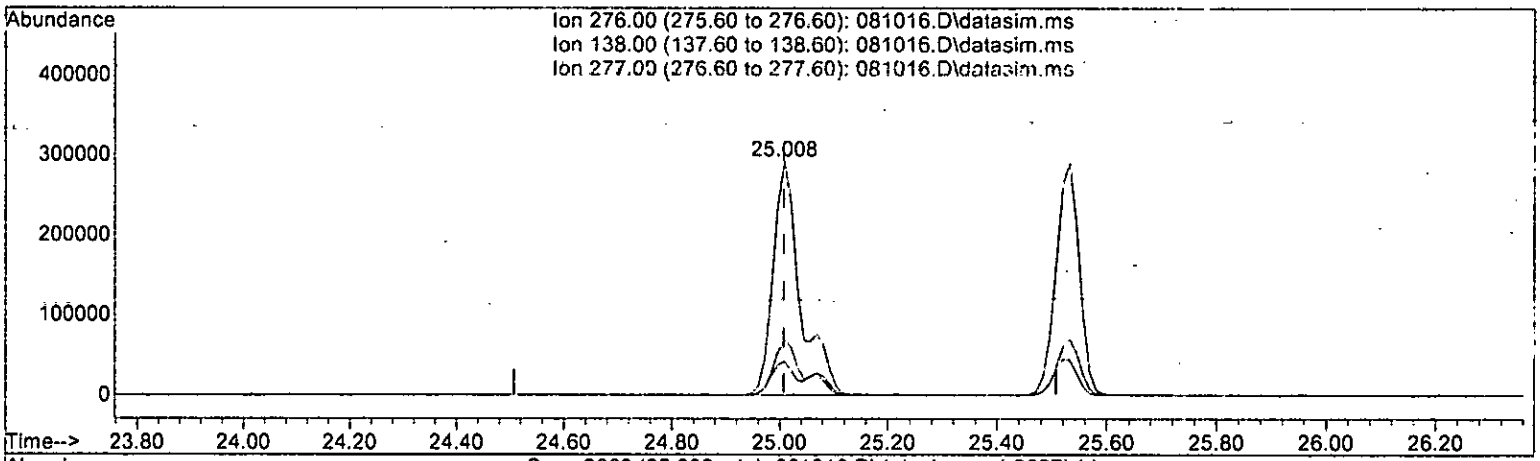


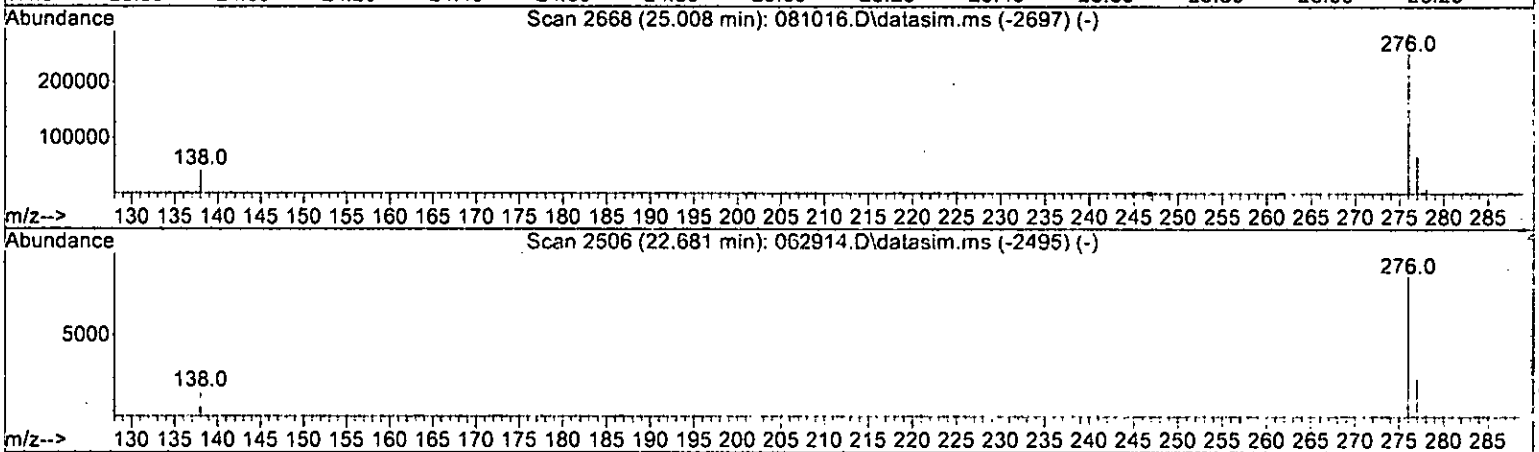


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:21 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081016.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 12.059 ug/ml

response 1029614

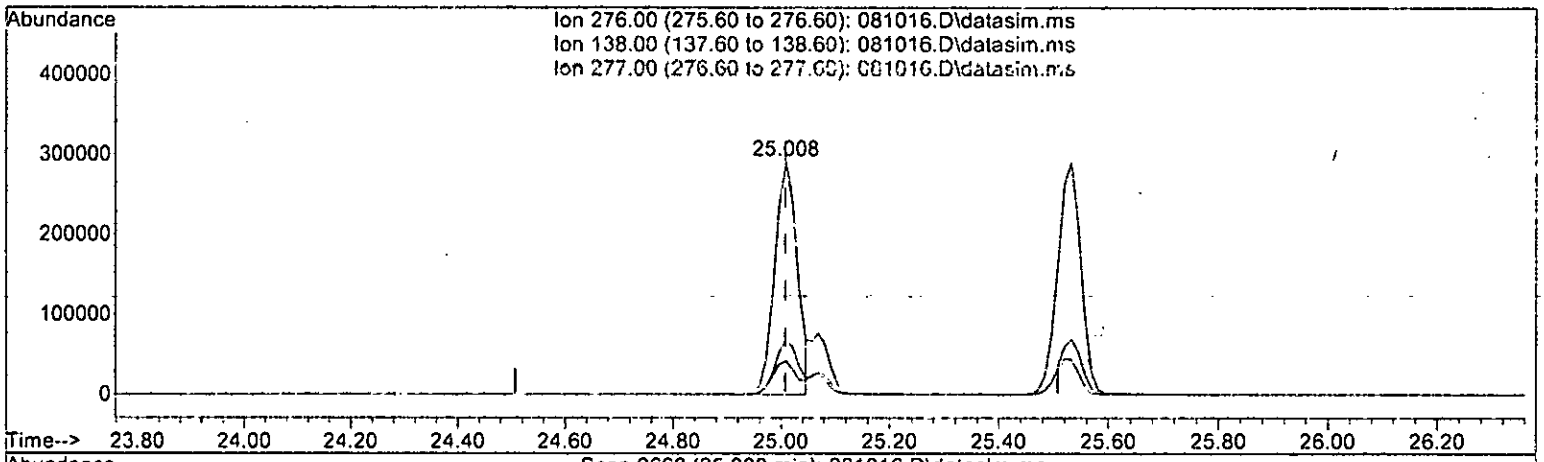
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.32
277.00	24.10	23.58
0.00	0.00	0.00

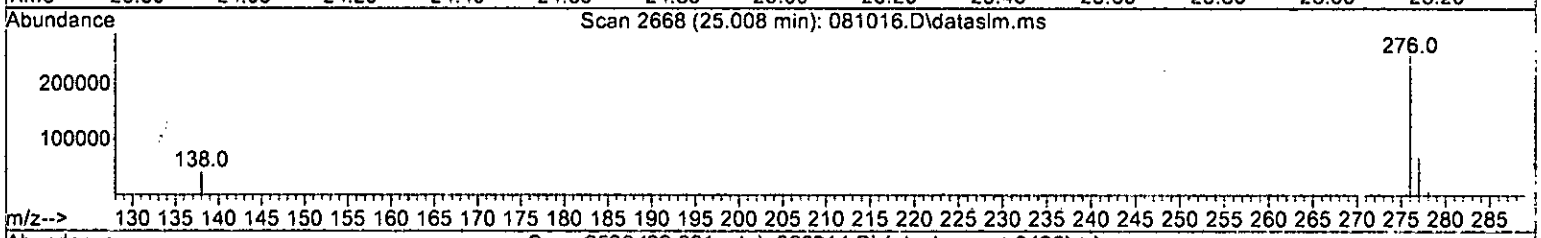
8/11 JRM

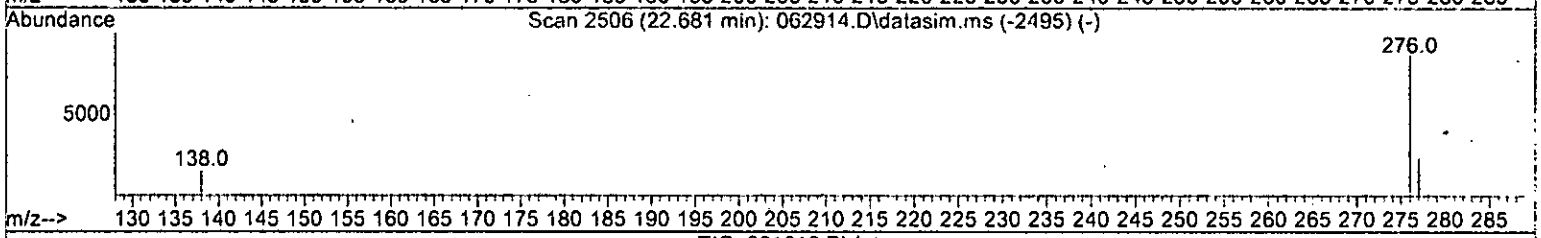
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:21 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081016.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 9.842 ug/ml m

response 840318

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.34
277.00	24.10	23.60
0.00	0.00	0.00

8/11 GM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	10.000	10.027	-0.3	100	0.00
3	S	2-Fluorophenol	10.000	10.114	-1.1	100	0.00
4	S	Phenol-d6	10.000	10.226	-2.3	100	0.00
5	TMP	Phenol	10.000	10.115	-1.2	100	0.00
6	TMP	Bis(2-chloroethyl) ether	10.000	9.912	0.9	100	0.00
7	TMP	2-Chlorophenol	10.000	10.262	-2.6	100	0.00
8	TMP	1,3-Dichlorobenzene	10.000	9.767	2.3	100	0.00
9	TMP	1,4-Dichlorobenzene	10.000	10.202	-2.0	100	0.00
10	TMP	1,2-Dichlorobenzene	10.000	9.685	3.1	100	0.00
11	TMP	Benzyl alcohol	10.000	9.922	0.8	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	10.000	10.046	-0.5	100	0.00
13	TMP	2-Methylphenol	10.000	9.984	0.2	100	0.00
14	TMP	Hexachloroethane	10.000	10.136	-1.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	10.000	10.053	-0.5	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	10.000	10.059	-0.6	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	10.000	9.721	2.8	100	0.00
19	TMP	Nitrobenzene	10.000	10.159	-1.6	100	0.00
20	TMP	Isophorone	10.000	10.159	-1.6	100	0.00
21	TMP	2-Nitrophenol	10.000	10.314	-3.1	100	0.00
22	TMP	2,4-Dimethylphenol	10.000	10.272	-2.7	100	0.00
23	TMP	Benzoic acid	10.000	9.892	1.1	100	0.03
24	TMP	Bis(2-chloroethoxy)methane	10.000	9.956	0.4	100	0.00
25	TMP	2,4-Dichlorophenol	10.000	10.493	-4.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	10.000	10.020	-0.2	100	0.00
27	TMP	Naphthalene	10.000	9.888	1.1	100	0.00
28	TMP	Hexachlorobutadiene	10.000	10.113	-1.1	100	0.00
29	TMP	4-Chloroaniline	10.000	9.944	0.6	100	0.00
30	TMP	4-Chloro-3-methylphenol	10.000	10.150	-1.5	100	0.00
31	TMP	2-Methylnaphthalene	10.000	9.987	0.1	100	0.00
32	TMP	1-Methylnaphthalene	10.000	10.007	-0.1	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	10.000	10.493	-4.9	100	0.00
35	TMP	2,4,6-Trichlorophenol	10.000	10.276	-2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	10.000	9.882	1.2	100	0.00
37	S	2-Fluorobiphenyl	10.000	10.074	-0.7	100	0.00
38	TMP	2-Chloronaphthalene	10.000	10.053	-0.5	100	0.00
39	TMP	2-Nitroaniline	10.000	10.057	-0.6	100	0.00
40	TMP	Dimethyl phthalate	10.000	10.157	-1.6	100	0.00
41	TMP	Acenaphthylene	10.000	10.064	-0.6	100	0.00
42	TMP	2,6-Dinitrotoluene	10.000	10.390	-3.9	100	0.00
43	TMP	3-Nitroaniline	10.000	10.568	-5.7	100	0.01
44	TMP	Acenaphthene	10.000	9.899	1.0	100	0.01
45	TMP	2,4-Dinitrophenol	10.000	10.273	-2.7	100	0.01
46	TMP	Dibenzofuran	10.000	10.244	-2.4	100	0.00
47	TMP	2,4-Dinitrotoluene	10.000	10.472	-4.7	100	0.00
48	TMP	4-Nitrophenol	10.000	10.615	-6.2	100	0.00
49	TMP	Diethyl phthalate	10.000	9.947	0.5	100	0.00
50	TMP	Fluorene	10.000	10.027	-0.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	10.000	10.123	-1.2	100	0.00
52	TMP	1,2-Diphenylhydrazine	10.000	10.111	-1.1	100	0.00
53	S	2,4,6-Tribromophenol	10.000	10.486	-4.9	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	10.000	9.963	0.4	100	0.00
56	TMP	4-Nitroaniline	10.000	11.679	-16.8	120	0.00
57	TMP	4,6-Dinitro-2-methylphenol	10.000	10.106	-1.1	100	0.00
58	TMP	4-Bromophenyl phenyl ether	10.000	10.281	-2.8	100	0.00
59	TMP	Hexachlorobenzene	10.000	10.252	-2.5	100	0.00
60	TMP	Pentachlorophenol	10.000	10.361	-3.6	100	0.00
61	TMP	Phenanthrene	10.000	10.187	-1.9	100	0.00
62	TMP	Anthracene	10.000	10.561	-5.6	100	0.02
63	TMP	Carbazole	10.000	9.688	3.1	100	0.00
64	TMP	Di-n-butyl phthalate	10.000	10.471	-4.7	100	0.00
65	TMP	Fluoranthene	10.000	10.490	-4.9	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	10.000	9.310	6.9	100	0.00
68	TMP	Pyrene	10.000	10.099	-1.0	100	0.01
69	S	Terphenyl-d14	10.000	9.877	1.2	100	0.01
70	TMP	Benzyl butyl phthalate	10.000	9.828	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	10.000	9.716	2.8	100	0.00
72	TMP	Benz(a)anthracene	10.000	10.257	-2.6	100	0.00
73	TMP	Chrysene	10.000	10.084	-0.8	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	10.000	10.535	-5.4	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	10.000	10.259	-2.6	100	0.00
77	TMP	Benzo(a)pyrene	10.000	10.338	-3.4	100	0.00
78	TMP	Benzo(b)fluoranthene	10.000	10.265	-2.7	100	0.00
79	TMP	Benzo(k)fluoranthene	10.000	10.290	-2.9	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	10.000	9.842	1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	10.000	10.087	-0.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	10.000	9.646	3.5	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.664	-0.3	100	0.00
3	S	2-Fluorophenol	1.064	1.076	-1.1	100	0.00
4	S	Phenol-d6	1.279	1.308	-2.3	100	0.00
5	TMP	Phenol	1.625	1.644	-1.2	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.243	0.9	100	0.00
7	TMP	2-Chlorophenol	1.210	1.241	-2.6	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.412	2.4	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.450	-2.0	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.368	3.2	100	0.00
11	TMP	Benzyl alcohol	0.768	0.762	0.8	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.114	-0.5	100	0.00
13	TMP	2-Methylphenol	1.055	1.053	0.2	100	0.00
14	TMP	Hexachloroethane	0.629	0.638	-1.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.880	-0.6	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.096	-0.6	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.390	2.7	100	0.00
19	TMP	Nitrobenzene	0.414	0.421	-1.7	100	0.00
20	TMP	Isophorone	0.690	0.701	-1.6	100	0.00
21	TMP	2-Nitrophenol	0.173	0.178	-2.9	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.390	-2.9	100	0.00
23	TMP	Benzoic acid	0.178	0.163	8.4	100	0.03
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.431	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.335	-5.0	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.401	-0.3	100	0.00
27	TMP	Naphthalene	1.188	1.175	1.1	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.316	-1.0	100	0.00
29	TMP	4-Chloroaniline	0.433	0.431	0.5	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.326	-1.2	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.756	0.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.727	-0.1	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	0.538	0.565	-5.0	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.495	-2.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.498	1.2	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.417	-0.8	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.244	-0.6	100	0.00
39	TMP	2-Nitroaniline	0.437	0.440	-0.7	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.480	-1.6	100	0.00
41	TMP	Acenaphthylene	2.125	2.138	-0.6	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.301	-14.0	100	0.00
43	TMP	3-Nitroaniline	0.498	0.526	-5.6	100	0.01
44	TMP	Acenaphthene	1.489	1.473	1.1	100	0.01
45	TMP	2,4-Dinitrophenol	0.159	0.174	-9.4	100	0.01
46	TMP	Dibenzofuran	2.346	2.403	-2.4	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.391	-4.8	100	0.00
48	TMP	4-Nitrophenol	0.297	0.313	-5.4	100	0.00
49	TMP	Diethyl phthalate	1.527	1.519	0.5	100	0.00
50	TMP	Fluorene	1.536	1.540	-0.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.756	-1.2	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.371	-1.1	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.307	-4.8	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.558	0.4	100	0.00
56	TMP	4-Nitroaniline	0.087	0.102	-17.2	120	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.106	-5.0	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.249	-2.9	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.300	-2.4	100	0.00
60	TMP	Pentachlorophenol	0.207	0.214	-3.4	100	0.00
61	TMP	Phenanthrene	1.202	1.225	-1.9	100	0.00
62	TMP	Anthracene	1.177	1.243	-5.6	100	0.02
63	TMP	Carbazole	0.901	0.873	3.1	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.349	-4.7	100	0.00
65	TMP	Fluoranthene	1.367	1.434	-4.9	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.428	7.0	100	0.00
68	TMP	Pyrene	1.674	1.690	-1.0	100	0.01
69	S	Terphenyl-d14	1.068	1.055	1.2	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.547	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.301	2.9	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.496	8.6	100	0.00
73	TMP	Chrysene	1.403	1.415	-0.9	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.829	-5.3	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.420	0.2	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.265	-3.4	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.542	-2.7	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.485	-2.9	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.990	1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.014	-0.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.013	3.5	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	241934	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	794617	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	449884	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.50	188	911007	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	795931	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	679179	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	325431	10.114	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 67.40%#			
4) Phenol-d6	5.14	99	395462	10.226	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 68.20%#			
18) Nitrobenzene-d5	6.20	82	387244	9.721	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 97.20%			
37) 2-Fluorobiphenyl	8.94	172	796645	10.074	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 100.70%			
53) 2,4,6-Tribromophenol	11.92	330	172668	10.486	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 69.93%			
69) Terphenyl-d14	17.39	244	1049990	9.877	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 98.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	200853	10.027	ug/ml	99
5) Phenol	5.15	94	497137	10.115	ug/ml	92
6) Bis(2-chloroethyl) ether	5.27	63	375901	9.912	ug/ml	99
7) 2-Chlorophenol	5.34	128	375423	10.262	ug/ml	97
8) 1,3-Dichlorobenzene	5.51	146	426980	9.767	ug/ml	94
9) 1,4-Dichlorobenzene	5.58	146	438406	10.202	ug/ml	99
10) 1,2-Dichlorobenzene	5.75	146	413757	9.685	ug/ml	99
11) Benzyl alcohol	5.71	108	230477	9.922	ug/ml	95
12) 2,2'-Oxybis(1-chloropr...	5.87	45	941754	10.046	ug/ml	98
13) 2-Methylphenol	5.82	108	318432	9.984	ug/ml	99
14) Hexachloroethane	6.14	117	192889	10.136	ug/ml	94
15) N-Nitroso-di-n-propyla...	6.02	70	266092	10.053	ug/ml	97
16) 3-Methylphenol + 4-Met...	6.00	108	331572	10.059	ug/ml	97
19) Nitrobenzene	6.22	77	418103	10.159	ug/ml	99
20) Isophorone	6.53	82	696571	10.159	ug/ml	99
21) 2-Nitrophenol	6.63	139	176886	10.314	ug/ml	93
22) 2,4-Dimethylphenol	6.67	107	387022	10.272	ug/ml	99
23) Benzoic acid	6.76	122	162334	9.892	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	428484	9.956	ug/ml	99
25) 2,4-Dichlorophenol	6.94	162	332956	10.493	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.07	180	398400	10.020	ug/ml	99
27] Naphthalene	7.18	128	1166688	9.888	ug/ml	100
28) Hexachlorobutadiene	7.37	225	313904	10.113	ug/ml	97
29) 4-Chloroaniline	7.26	127	427685	9.944	ug/ml	97
30) 4-Chloro-3-methylphenol	8.00	107	324138	10.150	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	750543	9.987	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	721696	10.007	ug/ml	99
34) Hexachlorocyclopentadiene	8.54	237	317549	10.493	ug/ml	90
35) 2,4,6-Trichlorophenol	8.76	196	278338	10.276	ug/ml	98
36) 2,4,5-Trichlorophenol	8.81	196	280201	9.882	ug/ml	96
38) 2-Chloronaphthalene	9.14	162	699311	10.053	ug/ml	98
39) 2-Nitroaniline	9.34	65	247226	10.057	ug/ml	97
40) Dimethyl phthalate	9.74	163	832175	10.157	ug/ml	99
41] Acenaphthylene	9.93	152	1202431	10.064	ug/ml	99
42) 2,6-Dinitrotoluene	9.83	165	169265	10.390	ug/ml	87
43) 3-Nitroaniline	10.16	65	295685	10.568	ug/ml	98
44] Acenaphthene	10.30	153	828614	9.899	ug/ml	95
45) 2,4-Dinitrophenol	10.38	184	98058	10.273	ug/ml	93
46] Dibenzofuran	10.66	168	1351324	10.244	ug/ml	98
47) 2,4-Dinitrotoluene	10.66	165	219838	10.472	ug/ml	96
48) 4-Nitrophenol	10.51	65	175751	10.615	ug/ml	93
49) Diethyl phthalate	11.24	149	854351	9.947	ug/ml	98
50] Fluorene	11.39	166	865984	10.027	ug/ml	96
51) 4-Chlorophenyl phenyl ...	11.43	204	425235	10.123	ug/ml	96
52) 1,2-Diphenylhydrazine	11.78	77	770720	10.111	ug/ml	97
55) N-Nitrosodiphenylamine	11.70	169	634883	9.963	ug/ml	99
56) 4-Nitroaniline	11.45	138	115808	11.679	ug/ml	98
57) 4,6-Dinitro-2-methylph...	11.53	198	121175	10.106	ug/ml	94
58) 4-Bromophenyl phenyl e...	12.53	248	283036	10.281	ug/ml	96
59) Hexachlorobenzene	12.60	284	341526	10.252	ug/ml	98
60] Pentachlorophenol	13.06	266	244224	10.361	ug/ml	99
61] Phenanthrene	13.54	178	1394615	10.187	ug/ml	99
62] Anthracene	13.67	178	1415951	10.561	ug/ml	98
63] Carbazole	14.07	167	994194	9.688	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	1536539	10.471	ug/ml	98
65] Fluoranthene	16.36	202	1632824	10.490	ug/ml	96
67) Benzidine	16.77	184	425905	9.310	ug/ml	95
68] Pyrene	16.88	202	1681806	10.099	ug/ml	95
70) Benzyl butyl phthalate	18.67	149	543756	9.828	ug/ml	97

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	299470	9.716	ug/ml	99
72] Benz(a)anthracene	19.79	228	1488354	10.257	ug/ml	99
73] Chrysene	19.87	228	1407389	10.084	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	824620	10.535	ug/ml	98
76) Di-n-octyl phthalate	21.64	149	1205525	10.259	ug/ml	100
77] Benzo(a)pyrene	22.87	252	1073559	10.338	ug/ml	99
78] Benzo(b)fluoranthene	22.21	252	1309022	10.265	ug/ml	100
79] Benzo(k)fluoranthene	22.27	252	1260656	10.290	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	840318m	9.842	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	860671	10.087	ug/ml	99
82] Benzo(g,h,i)perylene	25.53	276	859886	9.646	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
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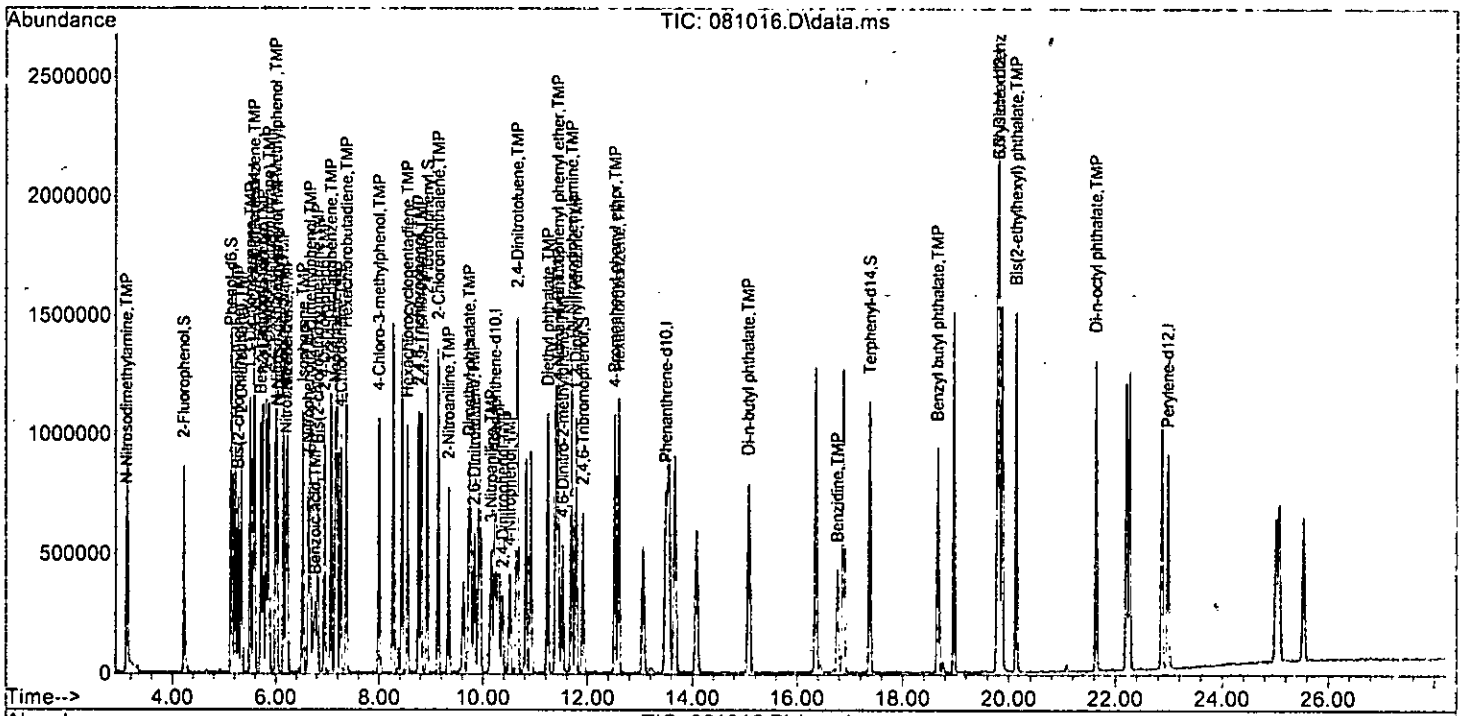
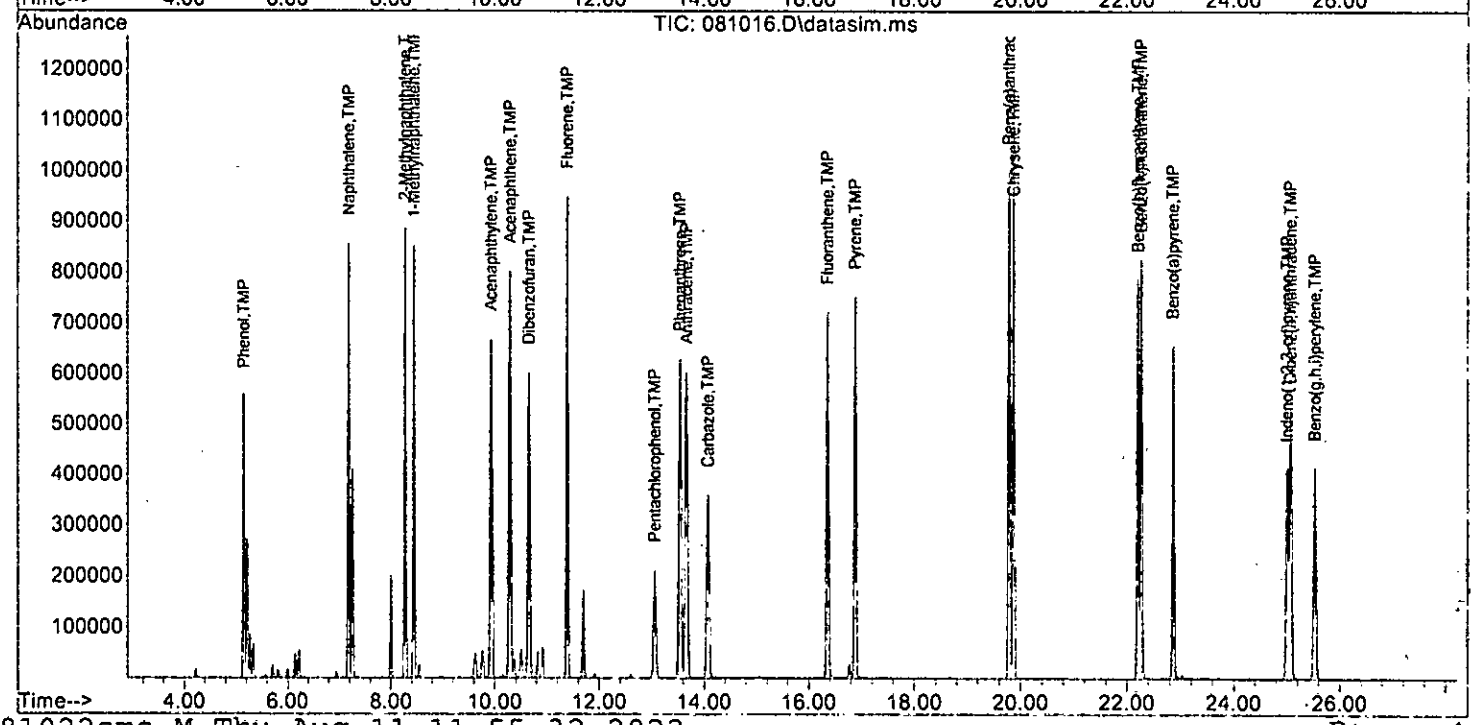
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

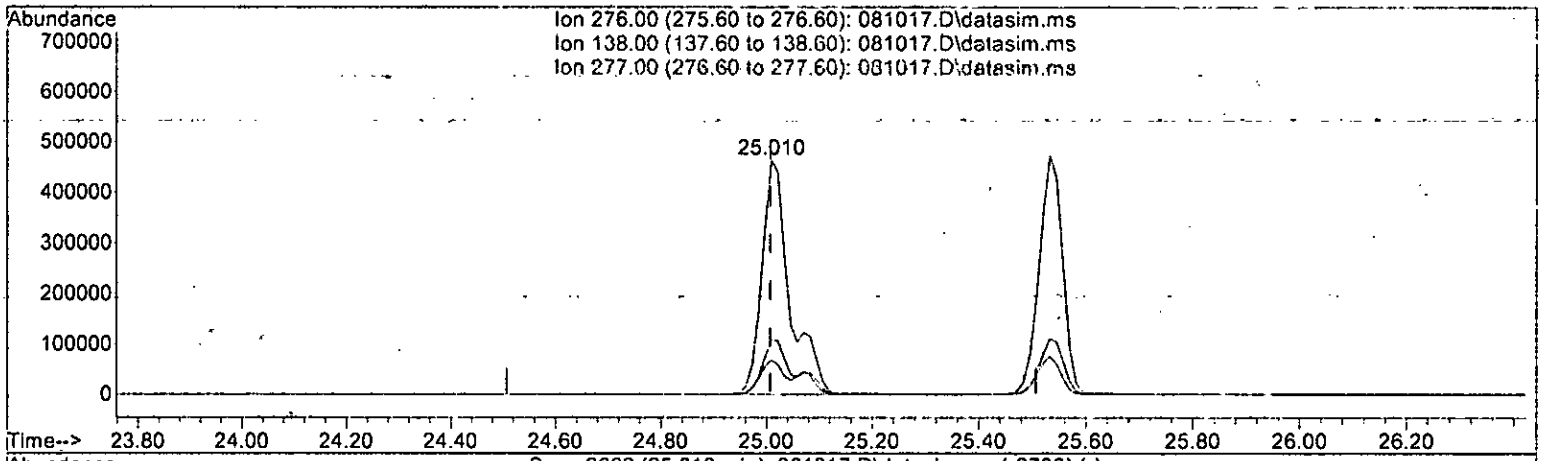


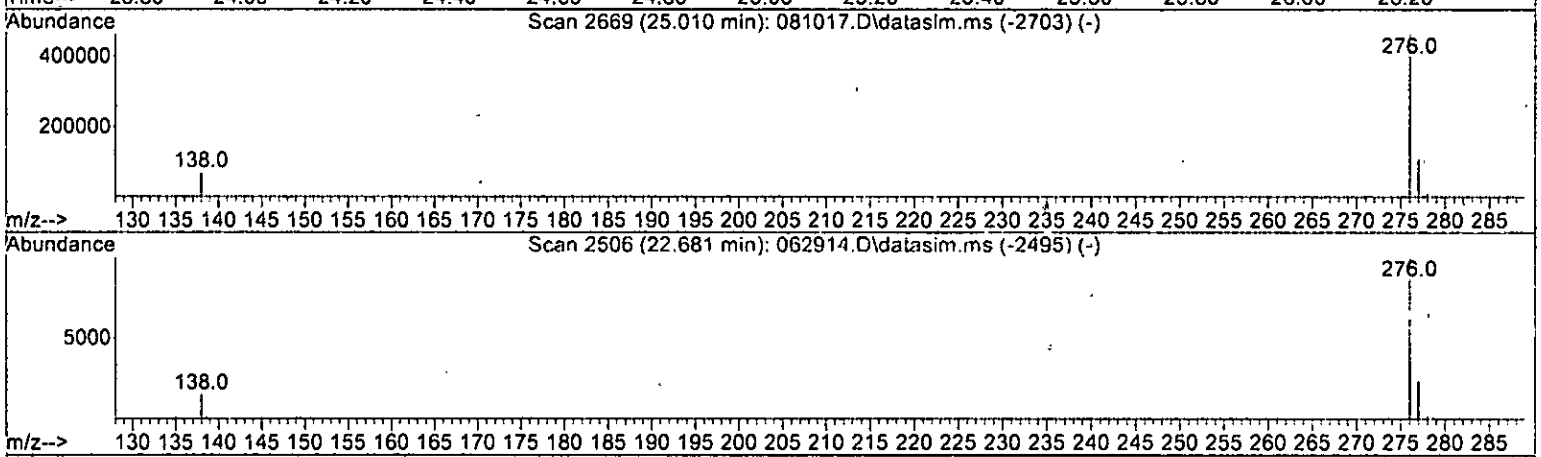


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081017.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.010min (+ 0.002) 20.136 ug/ml

response 1724265

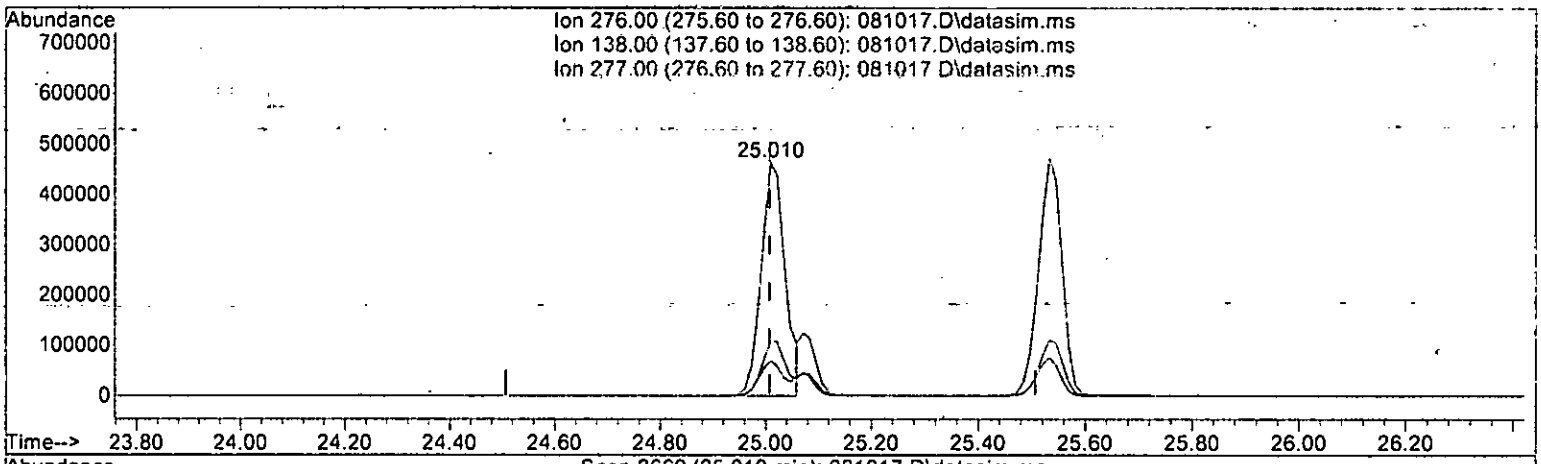
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.94
277.00	24.10	23.28
0.00	0.00	0.00

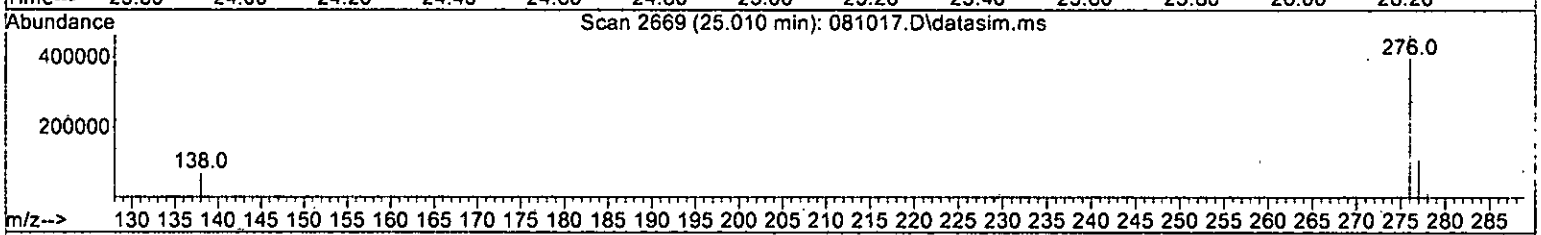
8/11 GLM

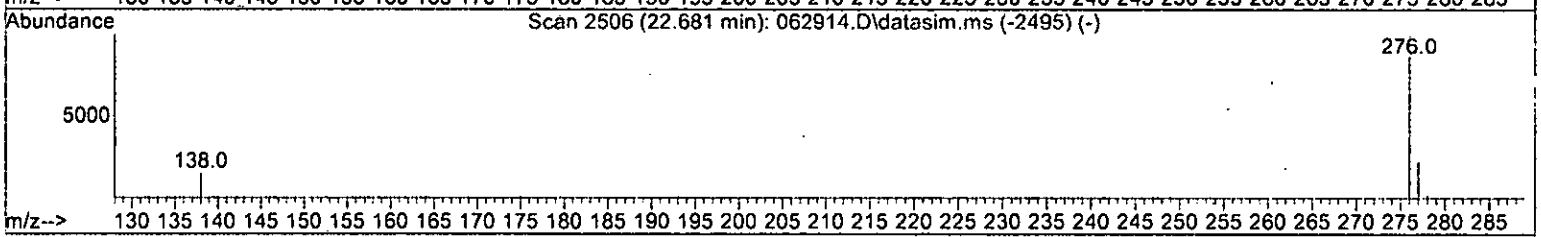
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081017.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.010min (+ 0.002) 17.067 ug/ml m

response 1461505

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.95
277.00	24.10	23.29
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	16.000	16.470	-2.9	97	0.00
3	S	2-Fluorophenol	16.000	16.548	-3.4	100	0.00
4	S	Phenol-d6	16.000	16.536	-3.4	100	0.00
5	TMP	Phenol	16.000	16.436	-2.7	100	0.00
6	TMP	Bis(2-chloroethyl) ether	16.000	16.219	-1.4	100	0.00
7	TMP	2-Chlorophenol	16.000	16.339	-2.1	100	0.00
8	TMP	1,3-Dichlorobenzene	16.000	16.403	-2.5	100	0.00
9	TMP	1,4-Dichlorobenzene	16.000	16.567	-3.5	100	0.00
10	TMP	1,2-Dichlorobenzene	16.000	16.263	-1.6	100	0.00
11	TMP	Benzyl alcohol	16.000	16.959	-6.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	16.000	16.182	-1.1	100	0.00
13	TMP	2-Methylphenol	16.000	16.744	-4.6	100	0.00
14	TMP	Hexachloroethane	16.000	16.242	-1.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	16.000	16.284	-1.8	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	16.000	16.594	-3.7	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	16.000	16.000	0.0	100	0.00
19	TMP	Nitrobenzene	16.000	16.661	-4.1	100	0.00
20	TMP	Isophorone	16.000	16.720	-4.5	100	0.00
21	TMP	2-Nitrophenol	16.000	16.707	-4.4	100	0.00
22	TMP	2,4-Dimethylphenol	16.000	16.567	-3.5	100	0.00
23	TMP	Benzoic acid	16.000	16.076	-0.5	100	0.06
24	TMP	Bis(2-chloroethoxy)methane	16.000	15.927	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	16.000	16.568	-3.6	100	0.00
26	TMP	1,2,4-Trichlorobenzene	16.000	15.721	1.7	100	0.00
27	TMP	Naphthalene	16.000	16.008	-0.0	100	0.00
28	TMP	Hexachlorobutadiene	16.000	15.734	1.7	100	0.00
29	TMP	4-Chloroaniline	16.000	16.286	-1.8	100	0.00
30	TMP	4-Chloro-3-methylphenol	16.000	16.494	-3.1	100	0.00
31	TMP	2-Methylnaphthalene	16.000	16.248	-1.6	100	0.00
32	TMP	1-Methylnaphthalene	16.000	16.280	-1.8	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	16.000	17.884	-11.8	100	0.00
35	TMP	2,4,6-Trichlorophenol	16.000	16.895	-5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	16.000	16.227	-1.4	100	0.00
37	S	2-Fluorobiphenyl	16.000	16.428	-2.7	100	0.00
38	TMP	2-Chloronaphthalene	16.000	16.170	-1.1	100	0.00
39	TMP	2-Nitroaniline	16.000	16.904	-5.6	100	0.00
40	TMP	Dimethyl phthalate	16.000	16.629	-3.9	100	0.00
41	TMP	Acenaphthylene	16.000	16.440	-2.8	100	0.00
42	TMP	2,6-Dinitrotoluene	16.000	16.056	-0.4	100	0.00
43	TMP	3-Nitroaniline	16.000	16.241	-1.5	100	0.02
44	TMP	Acenaphthene	16.000	16.197	-1.2	100	0.02
45	TMP	2,4-Dinitrophenol	16.000	16.193	-1.2	100	0.02
46	TMP	Dibenzofuran	16.000	16.602	-3.8	100	0.00
47	TMP	2,4-Dinitrotoluene	16.000	17.207	-7.5	100	0.00
48	TMP	4-Nitrophenol	16.000	16.988	-6.2	100	0.00
49	TMP	Diethyl phthalate	16.000	16.818	-5.1	100	0.00
50	TMP	Fluorene	16.000	16.531	-3.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	16.000	16.458	-2.9	100	0.00
52	TMP	1,2-Diphenylhydrazine	16.000	16.750	-4.7	100	0.00
53	S	2,4,6-Tribromophenol	16.000	17.058	-6.6	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	16.000	16.569	-3.6	100	0.00
56	TMP	4-Nitroaniline	16.000	18.942	-18.4	122	0.02
57	TMP	4,6-Dinitro-2-methylphenol	16.000	16.679	-4.2	100	0.02
58	TMP	4-Bromophenyl phenyl ether	16.000	16.531	-3.3	100	0.00
59	TMP	Hexachlorobenzene	16.000	16.676	-4.2	100	0.00
60	TMP	Pentachlorophenol	16.000	17.203	-7.5	100	0.00
61	TMP	Phenanthrene	16.000	16.248	-1.6	100	0.00
62	TMP	Anthracene	16.000	16.924	-5.8	100	0.02
63	TMP	Carbazole	16.000	15.689	1.9	100	0.00
64	TMP	Di-n-butyl phthalate	16.000	17.044	-6.5	100	0.02
65	TMP	Fluoranthene	16.000	16.953	-6.0	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	16.000	15.240	4.7	100	0.01
68	TMP	Pyrene	16.000	16.161	-1.0	100	0.01
69	S	Terphenyl-d14	16.000	15.923	0.5	100	0.01
70	TMP	Benzyl butyl phthalate	16.000	16.158	-1.0	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	16.000	15.362	4.0	100	0.00
72	TMP	Benz(a)anthracene	16.000	16.156	-1.0	100	0.00
73	TMP	Chrysene	16.000	16.270	-1.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	16.000	16.988	-6.2	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	16.000	16.159	-1.0	100	0.00
77	TMP	Benzo(a)pyrene	16.000	17.375	-8.6	100	0.00
78	TMP	Benzo(b)fluoranthene	16.000	16.853	-5.3	100	0.00
79	TMP	Benzo(k)fluoranthene	16.000	17.566	-9.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	16.000	17.067	-6.7	100	0.00
81	TMP	Dibenz(a,h)anthracene	16.000	17.018	-6.4	100	0.01
82	TMP	Benzo(g,h,i)perylene	16.000	16.072	-0.4	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.682	-3.0	97	0.00
3	S	2-Fluorophenol	1.064	1.100	-3.4	100	0.00
4	S	Phenol-d6	1.279	1.322	-3.4	100	0.00
5	TMP	Phenol	1.625	1.669	-2.7	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.271	-1.4	100	0.00
7	TMP	2-Chlorophenol	1.210	1.235	-2.1	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.482	-2.5	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.471	-3.5	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.436	-1.6	100	0.00
11	TMP	Benzyl alcohol	0.768	0.814	-6.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.135	-1.1	100	0.00
13	TMP	2-Methylphenol	1.055	1.104	-4.6	100	0.00
14	TMP	Hexachloroethane	0.629	0.639	-1.6	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.891	-1.8	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.130	-3.7	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.401	0.0	100	0.00
19	TMP	Nitrobenzene	0.414	0.431	-4.1	100	0.00
20	TMP	Isophorone	0.690	0.721	-4.5	100	0.00
21	TMP	2-Nitrophenol	0.173	0.180	-4.0	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.393	-3.7	100	0.00
23	TMP	Benzoic acid	0.178	0.185	-3.9	100	0.06
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.431	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.331	-3.8	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.393	1.8	100	0.00
27	TMP	Naphthalene	1.188	1.188	0.0	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.307	1.9	100	0.00
29	TMP	4-Chloroaniline	0.433	0.441	-1.8	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.331	-2.8	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.768	-1.5	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.739	-1.8	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.602	-11.9	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.509	-5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.511	-1.4	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.444	-2.7	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.250	-1.1	100	0.00
39	TMP	2-Nitroaniline	0.437	0.462	-5.7	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.514	-3.9	100	0.00
41	TMP	Acenaphthylene	2.125	2.183	-2.7	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.301	-14.0	100	0.00
43	TMP	3-Nitroaniline	0.498	0.505	-1.4	100	0.02
44	TMP	Acenaphthene	1.489	1.507	-1.2	100	0.02
45	TMP	2,4-Dinitrophenol	0.159	0.183	-15.1	100	0.02
46	TMP	Dibenzofuran	2.346	2.434	-3.8	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.401	-7.5	100	0.00
48	TMP	4-Nitrophenol	0.297	0.329	-10.8	100	0.00
49	TMP	Diethyl phthalate	1.527	1.605	-5.1	100	0.00
50	TMP	Fluorene	1.536	1.587	-3.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.768	-2.8	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.419	-4.6	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.312	-6.5	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.579	-3.4	100	0.00
56	TMP	4-Nitroaniline	0.087	0.103	-18.4	122	0.02
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.116	-14.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	0.242	0.250	-3.3	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.305	-4.1	100	0.00
60	TMP	Pentachlorophenol	0.207	0.223	-7.7	100	0.00
61	TMP	Phenanthrene	1.202	1.221	-1.6	100	0.00
62	TMP	Anthracene	1.177	1.245	-5.8	100	0.02
63	TMP	Carbazole	0.901	0.884	1.9	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.373	-6.5	100	0.02
65	TMP	Fluoranthene	1.367	1.448	-5.9	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.438	4.8	100	0.01
68	TMP	Pyrene	1.674	1.691	-1.0	100	0.01
69	S	Terphenyl-d14	1.068	1.063	0.5	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.562	-1.1	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.297	4.2	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.501	8.3	100	0.00
73	TMP	Chrysene	1.403	1.426	-1.6	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.835	-6.1	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.514	-6.4	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.328	-8.6	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.582	-5.3	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.584	-9.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.073	-6.7	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.069	-6.4	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.055	-0.5	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	240924	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	797514	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	448669	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	923430	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	811184	8.000	ug/ml	0.00
75) Perylene-d12	22.99	264	681169	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	530203	16.548	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 110.33%#			
4) Phenol-d6	5.14	99	636843	16.536	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 110.27%#			
18) Nitrobenzene-d5	6.21	82	639734	16.000	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 160.00%#			
37) 2-Fluorobiphenyl	8.94	172	1295644	16.428	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 164.30%#			
53) 2,4,6-Tribromophenol	11.92	330	280124	17.058	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 113.73%			
69) Terphenyl-d14	17.39	244	1725167	15.923	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 159.20%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	328538	16.470	ug/ml	95
5) Phenol	5.15	94	804425	16.436	ug/ml	100
6) Bis(2-chloroethyl) ether	5.28	63	612524	16.219	ug/ml	98
7) 2-Chlorophenol	5.34	128	595206	16.339	ug/ml	95
8) 1,3-Dichlorobenzene	5.51	146	714108	16.403	ug/ml	96
9) 1,4-Dichlorobenzene	5.59	146	708965	16.567	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	691883	16.263	ug/ml	99
11) Benzyl alcohol	5.71	108	392319	16.959	ug/ml	92
12) 2,2'-Oxybis(1-chloropr...	5.87	45	1510664	16.182	ug/ml	99
13) 2-Methylphenol	5.83	108	531847	16.744	ug/ml	98
14) Hexachloroethane	6.15	117	307812	16.242	ug/ml	96
15) N-Nitroso-di-n-propyla...	6.03	70	429214	16.284	ug/ml	97
16) 3-Methylphenol + 4-Met...	6.00	108	544711	16.594	ug/ml	98
19) Nitrobenzene	6.23	77	688166	16.661	ug/ml	100
20) Isophorone	6.53	82	1150611	16.720	ug/ml	99
21) 2-Nitrophenol	6.63	139	287567	16.707	ug/ml	92
22) 2,4-Dimethylphenol	6.67	107	626489	16.567	ug/ml	96
23) Benzoic acid	6.80	122	295071	16.076	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	687920	15.927	ug/ml	99
25) 2,4-Dichlorophenol	6.95	162	527656	16.568	ug/ml	99
26) 1,2,4-Trichlorobenzene	7.08	180	627358	15.721	ug/ml	98
27] Naphthalene	7.18	128	1895633	16.008	ug/ml	99
28) Hexachlorobutadiene	7.37	225	490158	15.734	ug/ml	95
29) 4-Chloroaniline	7.26	127	702997	16.286	ug/ml	98
30) 4-Chloro-3-methylphenol	8.01	107	528674	16.494	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	1225573	16.248	ug/ml	96
32] 1-Methylnaphthalene	8.45	142	1178297	16.280	ug/ml	96
34) Hexachlorocyclopentadiene	8.54	237	539768	17.884	ug/ml	93
35) 2,4,6-Trichlorophenol	8.76	196	456387	16.895	ug/ml	97
36) 2,4,5-Trichlorophenol	8.81	196	458897	16.227	ug/ml	97
38) 2-Chloronaphthalene	9.14	162	1121791	16.170	ug/ml	98
39) 2-Nitroaniline	9.34	65	414434	16.904	ug/ml	97
40) Dimethyl phthalate	9.74	163	1358770	16.629	ug/ml	100
41] Acenaphthylene	9.94	152	1959017	16.440	ug/ml	100
42) 2,6-Dinitrotoluene	9.84	165	269800	16.056	ug/ml	87
43) 3-Nitroaniline	10.17	65	453181	16.241	ug/ml	98
44] Acenaphthene	10.30	153	1352146	16.197	ug/ml	94
45) 2,4-Dinitrophenol	10.39	184	164294	16.193	ug/ml	79
46] Dibenzofuran	10.67	168	2184040	16.602	ug/ml	100
47) 2,4-Dinitrotoluene	10.66	165	360237	17.207	ug/ml	94
48) 4-Nitrophenol	10.52	65	295271	16.988	ug/ml	97
49) Diethyl phthalate	11.24	149	1440545	16.818	ug/ml	99
50] Fluorene	11.39	166	1423846	16.531	ug/ml	98
51) 4-Chlorophenyl phenyl ...	11.44	204	689482	16.458	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	1273391	16.750	ug/ml	97
55) N-Nitrosodiphenylamine	11.70	169	1070253	16.569	ug/ml	98
56) 4-Nitroaniline	11.46	138	190388	18.942	ug/ml	98
57) 4,6-Dinitro-2-methylph...	11.53	198	213867	16.679	ug/ml	95
58) 4-Bromophenyl phenyl e...	12.53	248	461322	16.531	ug/ml	94
59) Hexachlorobenzene	12.60	284	563061	16.676	ug/ml	97
60] Pentachlorophenol	13.06	266	411046	17.203	ug/ml	99
61] Phenanthrene	13.55	178	2254586	16.248	ug/ml	99
62] Anthracene	13.67	178	2299994	16.924	ug/ml	99
63] Carbazole	14.07	167	1631941	15.689	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	2535312	17.044	ug/ml	99
65] Fluoranthene	16.36	202	2674820	16.953	ug/ml	97
67) Benzidine	16.78	184	710550	15.240	ug/ml	98
68] Pyrene	16.89	202	2742918	16.161	ug/ml	98
70) Benzyl butyl phthalate	18.68	149	911125	16.158	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	482557	15.362	ug/ml	100
72] Benz(a)anthracene	19.80	228	2434675	16.156	ug/ml	100
73] Chrysene	19.87	228	2314272	16.270	ug/ml	98
74) Bis(2-ethylhexyl) phth...	20.14	149	1355281	16.988	ug/ml	99
76) Di-n-octyl phthalate	21.64	149	2062294	16.159	ug/ml	98
77] Benzo(a)pyrene	22.87	252	1809538	17.375	ug/ml	99
78] Benzo(b)fluoranthene	22.21	252	2155395	16.853	ug/ml	99
79] Benzo(k)fluoranthene	22.27	252	2158239	17.566	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	1461505m	17.067	ug/ml	
81] Dibenz(a,h)anthracene	25.08	278	1456258	17.018	ug/ml	99
82] Benzo(g,h,i)perylene	25.53	276	1437015	16.072	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
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Quant Time: Aug 11 12:00:27 2022
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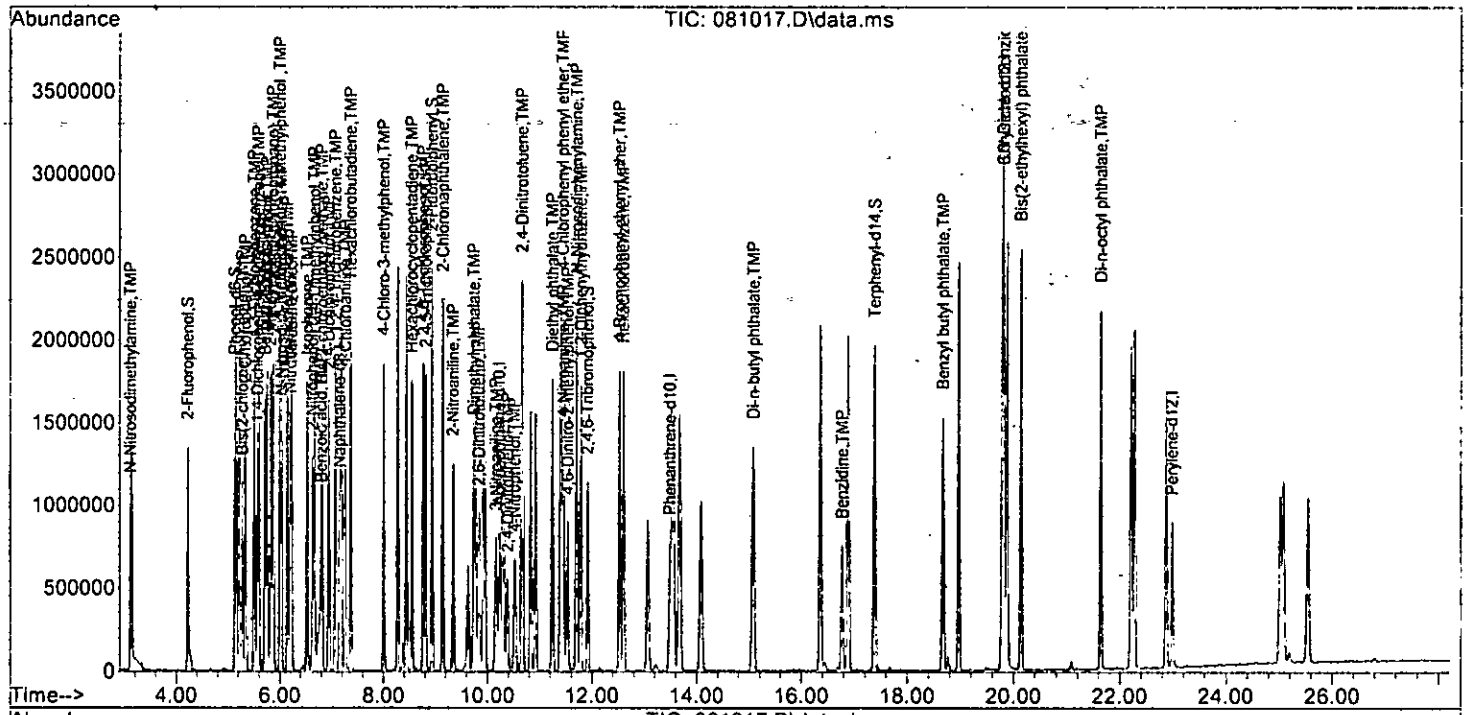
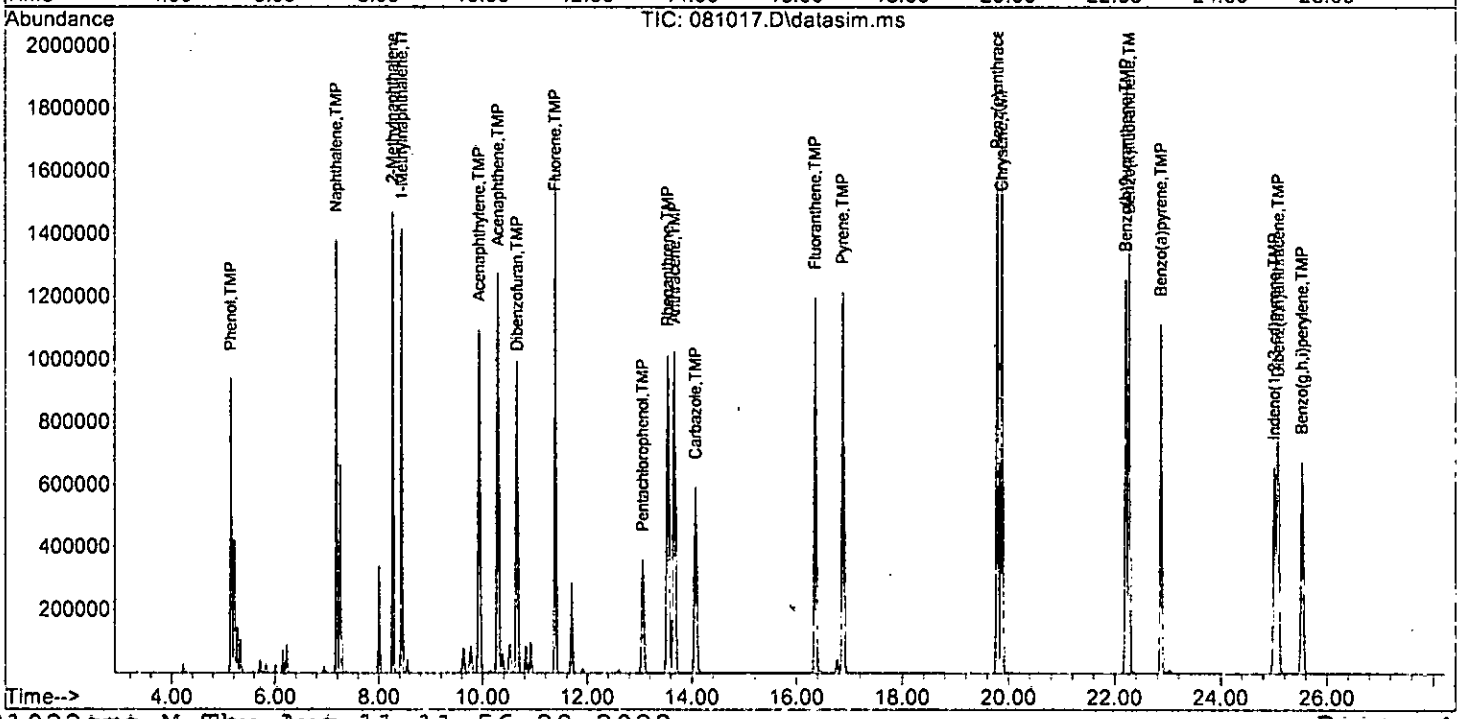
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

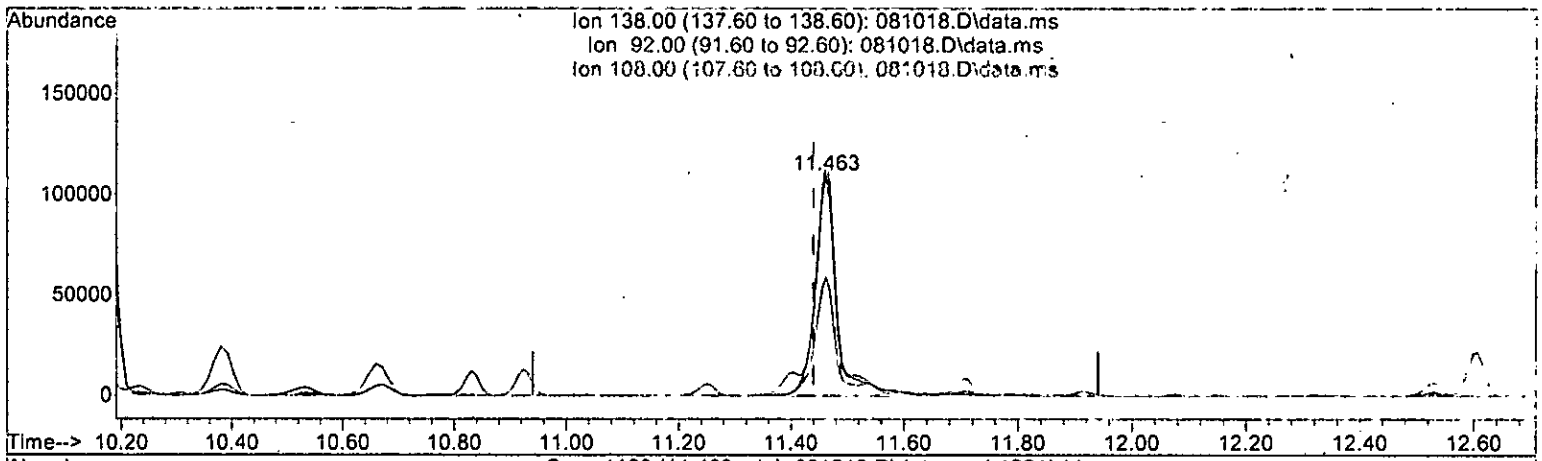


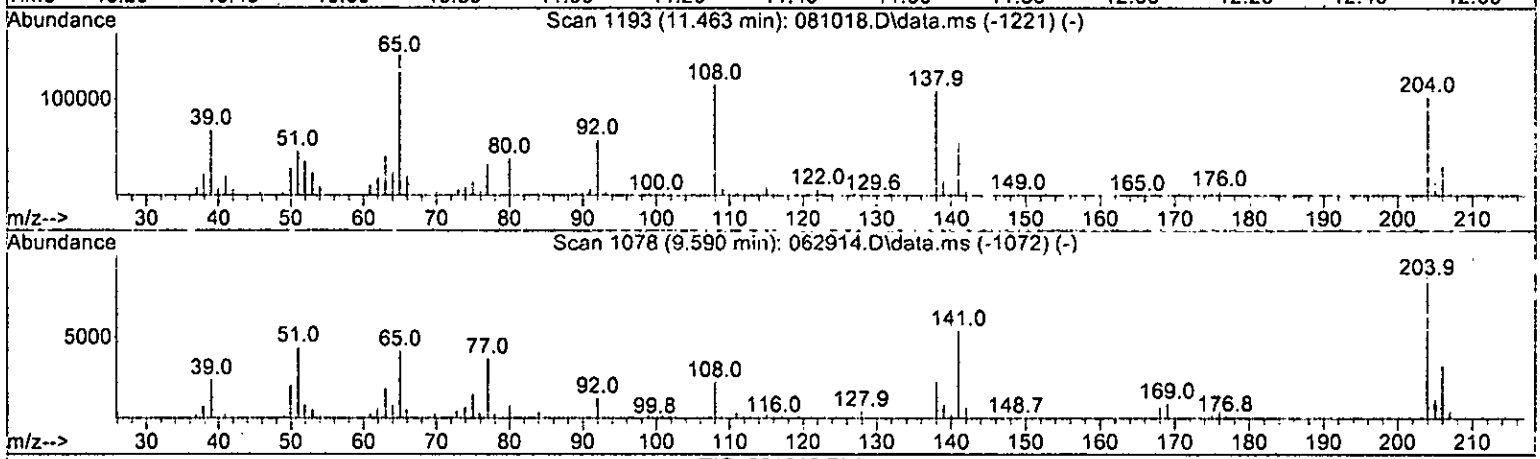


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:01:13 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081018.D\data.ms

(56) 4-Nitroaniline (TMP)

11.463min (+ 0.022) 27.931 ug/ml

response 301441

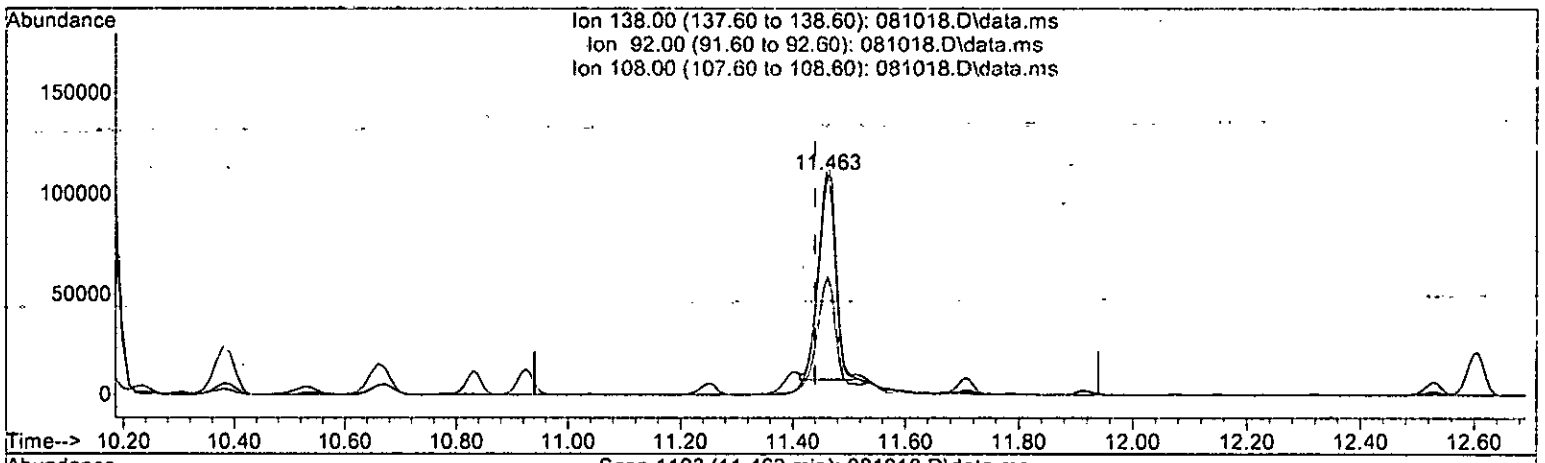
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	53.88
108.00	100.20	105.71
0.00	0.00	0.00

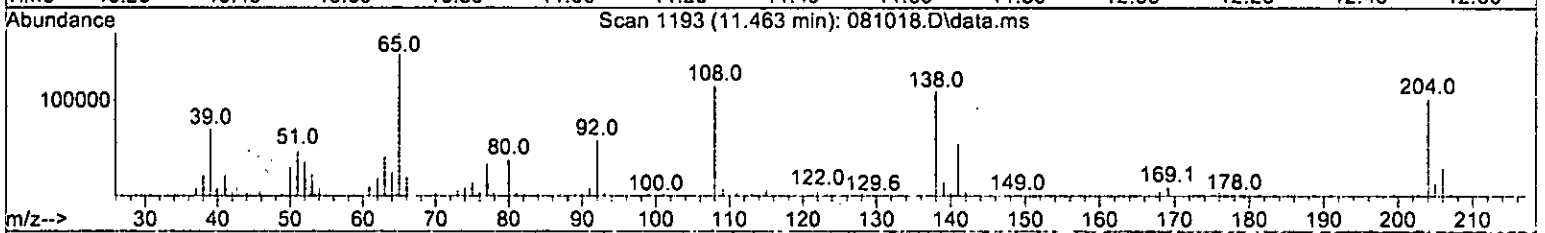
8/11 JLM

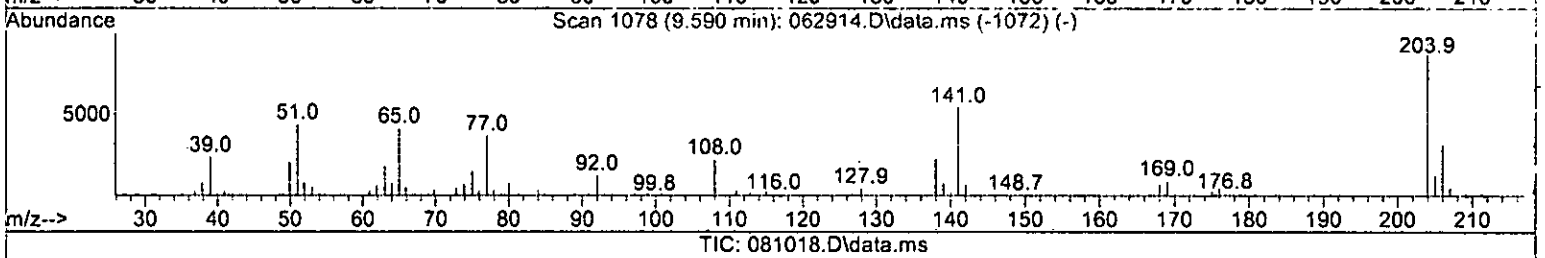
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:01:13 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081018.D\data.ms

(56) 4-Nitroaniline (TMP)

11.463min (+ 0.022) 19.337 ug/ml m

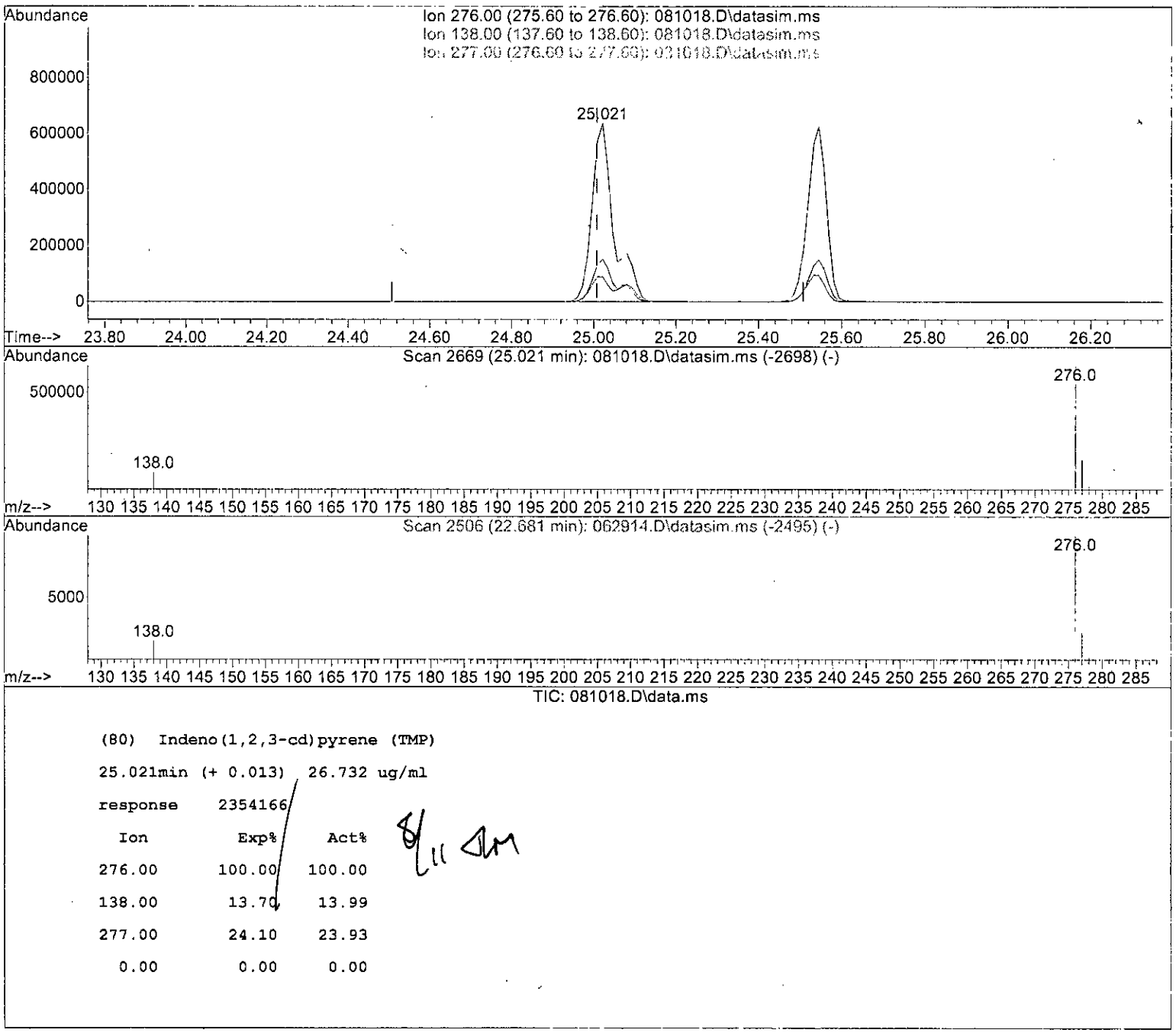
response 208698

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	53.88
108.00	100.20	106.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:28 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081018.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 26.732 ug/ml

response 2354166

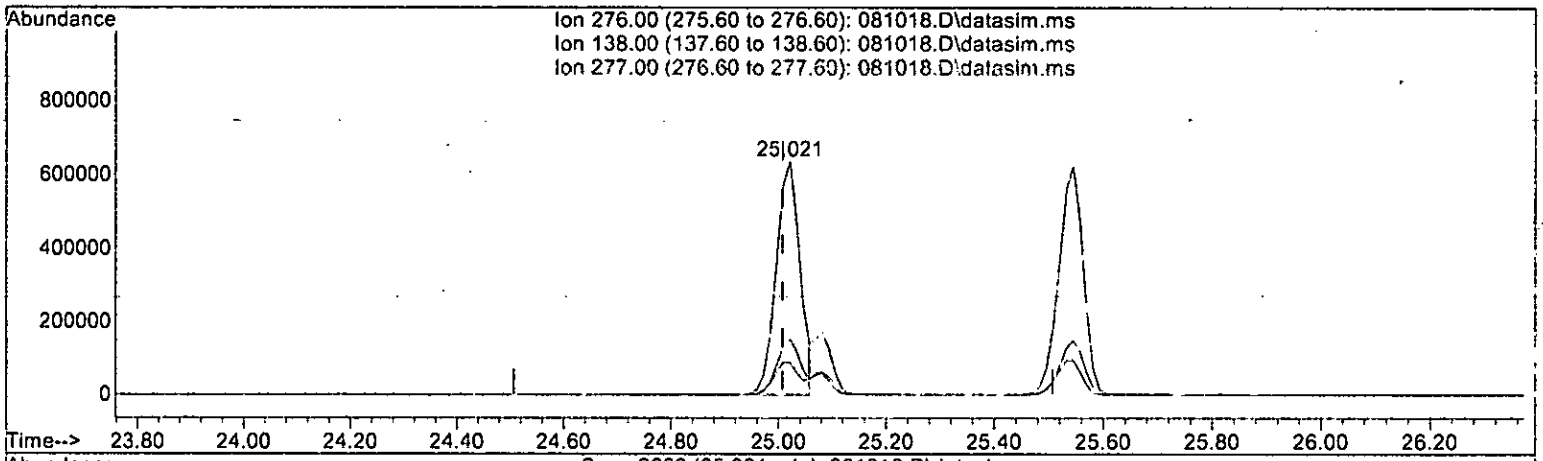
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.99
277.00	24.10	23.93
0.00	0.00	0.00

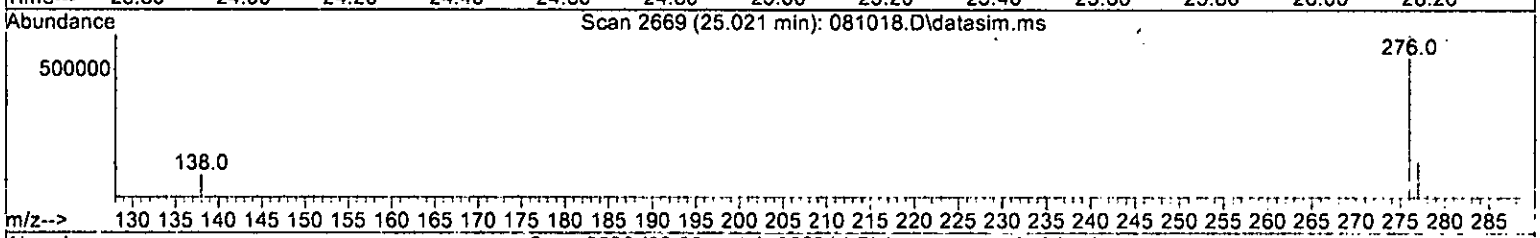
8/11 SM

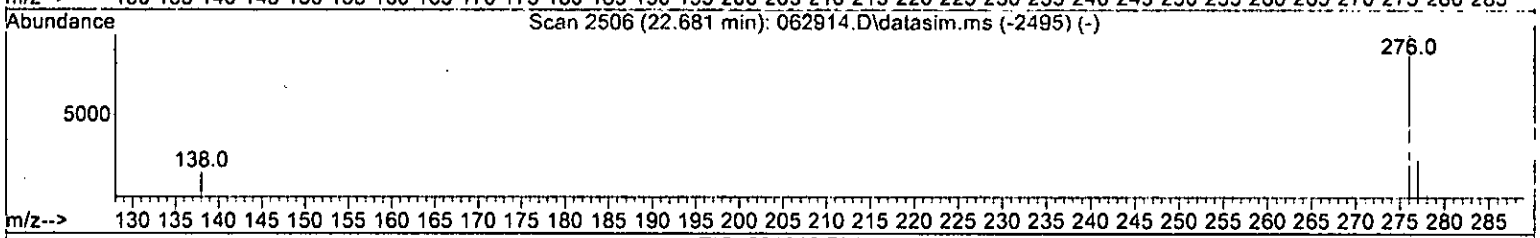
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:28 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081018.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 22.155 ug/ml m

response 1951087

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.00
277.00	24.10	23.94
0.00	0.00	0.00

8/11 OM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	20.000	19.946	0.3	100	0.00
3	S	2-Fluorophenol	20.000	20.565	-2.8	100	0.00
4	S	Phenol-d6	20.000	20.731	-3.7	100	0.01
5	TMP	Phenol	20.000	20.810	-4.0	100	0.01
6	TMP	Bis(2-chloroethyl) ether	20.000	20.606	-3.0	100	0.00
7	TMP	2-Chlorophenol	20.000	20.609	-3.0	100	0.00
8	TMP	1,3-Dichlorobenzene	20.000	20.681	-3.4	100	0.00
9	TMP	1,4-Dichlorobenzene	20.000	21.236	-6.2	100	0.00
10	TMP	1,2-Dichlorobenzene	20.000	20.268	-1.3	100	0.00
11	TMP	Benzyl alcohol	20.000	20.567	-2.8	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	20.000	20.491	-2.5	100	0.00
13	TMP	2-Methylphenol	20.000	21.324	-6.6	100	0.00
14	TMP	Hexachloroethane	20.000	20.384	-1.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	20.000	20.332	-1.7	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	20.000	20.654	-3.3	100	0.01
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	20.000	19.677	1.6	100	0.00
19	TMP	Nitrobenzene	20.000	20.183	-0.9	100	0.00
20	TMP	Isophorone	20.000	20.179	-0.9	100	0.01
21	TMP	2-Nitrophenol	20.000	21.050	-5.3	100	0.00
22	TMP	2,4-Dimethylphenol	20.000	19.630	1.9	100	0.00
23	TMP	Benzoic acid	20.000	20.162	-0.8	100	0.08
24	TMP	Bis(2-chloroethoxy)methane	20.000	19.840	0.8	100	0.00
25	TMP	2,4-Dichlorophenol	20.000	20.179	-0.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	20.000	19.283	3.6	100	0.00
27	TMP	Naphthalene	20.000	19.551	2.2	100	0.00
28	TMP	Hexachlorobutadiene	20.000	19.451	2.7	100	0.00
29	TMP	4-Chloroaniline	20.000	20.143	-0.7	100	0.00
30	TMP	4-Chloro-3-methylphenol	20.000	20.232	-1.2	100	0.00
31	TMP	2-Methylnaphthalene	20.000	19.674	1.6	100	0.00
32	TMP	1-Methylnaphthalene	20.000	19.742	1.3	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	20.000	23.436	-17.2	100	0.00
35	TMP	2,4,6-Trichlorophenol	20.000	21.740	-8.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	20.000	20.940	-4.7	100	0.00
37	S	2-Fluorobiphenyl	20.000	21.197	-6.0	100	0.00
38	TMP	2-Chloronaphthalene	20.000	20.921	-4.6	100	0.00
39	TMP	2-Nitroaniline	20.000	21.750	-8.8	100	0.01
40	TMP	Dimethyl phthalate	20.000	20.976	-4.9	100	0.01
41	TMP	Acenaphthylene	20.000	20.942	-4.7	100	0.01
42	TMP	2,6-Dinitrotoluene	20.000	19.902	0.5	100	0.01
43	TMP	3-Nitroaniline	20.000	20.975	-4.9	100	0.02
44	TMP	Acenaphthene	20.000	20.298	-1.5	100	0.01
45	TMP	2,4-Dinitrophenol	20.000	20.625	-3.1	100	0.01
46	TMP	Dibenzofuran	20.000	20.697	-3.5	100	0.00
47	TMP	2,4-Dinitrotoluene	20.000	22.337	-11.7	100	0.01
48	TMP	4-Nitrophenol	20.000	20.635	-3.2	100	0.01
49	TMP	Diethyl phthalate	20.000	20.649	-3.2	100	0.01
50	TMP	Fluorene	20.000	20.636	-3.2	100	0.01
51	TMP	4-Chlorophenyl phenyl ether	20.000	21.265	-6.3	100	0.00
52	TMP	1,2-Diphenylhydrazine	20.000	20.999	-5.0	100	0.00
53	S	2,4,6-Tribromophenol	20.000	21.129	-5.6	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	20.000	20.531	-2.7	100	0.01
56	TMP	4-Nitroaniline	20.000	19.337	3.3	97	0.02
57	TMP	4,6-Dinitro-2-methylphenol	20.000	20.172	-0.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	20.000	20.080	-0.4	100	0.00
59	TMP	Hexachlorobenzene	20.000	20.367	-1.8	100	0.00
60	TMP	Pentachlorophenol	20.000	21.275	-6.4	100	0.00
61	TMP	Phenanthrene	20.000	20.128	-0.6	100	0.00
62	TMP	Anthracene	20.000	20.879	-4.4	100	0.02
63	TMP	Carbazole	20.000	19.808	1.0	100	0.00
64	TMP	Di-n-butyl phthalate	20.000	21.747	-8.7	100	0.02
65	TMP	Fluoranthene	20.000	20.652	-3.3	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.01
67	TMP	Benzidine	20.000	21.723	-8.6	100	0.01
68	TMP	Pyrene	20.000	21.160	-5.8	100	0.01
69	S	Terphenyl-d14	20.000	20.789	-3.9	100	0.01
70	TMP	Benzyl butyl phthalate	20.000	21.059	-5.3	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	20.000	18.705	6.5	100	0.00
72	TMP	Benz(a)anthracene	20.000	20.192	-1.0	100	0.00
73	TMP	Chrysene	20.000	20.466	-2.3	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	20.000	21.937	-9.7	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	20.000	19.126	4.4	100	0.00
77	TMP	Benzo(a)pyrene	20.000	21.492	-7.5	100	0.01
78	TMP	Benzo(b)fluoranthene	20.000	21.031	-5.2	100	0.01
79	TMP	Benzo(k)fluoranthene	20.000	21.131	-5.7	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	20.000	22.155	-10.8	100	0.01
81	TMP	Dibenz(a,h)anthracene	20.000	22.647	-13.2	100	0.01
82	TMP	Benzo(g,h,i)perylene	20.000	21.287	-6.4	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.661	0.2	100	0.00
3	S	2-Fluorophenol	1.064	1.094	-2.8	100	0.00
4	S	Phenol-d6	1.279	1.326	-3.7	100	0.01
5	TMP	Phenol	1.625	1.691	-4.1	100	0.01
6	TMP	Bis(2-chloroethyl) ether	1.254	1.292	-3.0	100	0.00
7	TMP	2-Chlorophenol	1.210	1.246	-3.0	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.495	-3.4	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.509	-6.2	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.432	-1.3	100	0.00
11	TMP	Benzyl alcohol	0.768	0.790	-2.9	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.176	-2.5	100	0.00
13	TMP	2-Methylphenol	1.055	1.124	-6.5	100	0.00
14	TMP	Hexachloroethane	0.629	0.641	-1.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.890	-1.7	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.126	-3.3	100	0.01
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.395	1.5	100	0.00
19	TMP	Nitrobenzene	0.414	0.418	-1.0	100	0.00
20	TMP	Isophorone	0.690	0.696	-0.9	100	0.01
21	TMP	2-Nitrophenol	0.173	0.182	-5.2	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.372	1.8	100	0.00
23	TMP	Benzoic acid	0.178	0.193	-8.4	100	0.08
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.430	0.7	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.322	-0.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.386	3.5	100	0.00
27	TMP	Naphthalene	1.188	1.161	2.3	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.304	2.9	100	0.00
29	TMP	4-Chloroaniline	0.433	0.436	-0.7	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.325	-0.9	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.744	1.7	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.717	1.2	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	0.538	0.631	-17.3	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.524	-8.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.528	-4.8	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.490	-6.0	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.294	-4.6	100	0.00
39	TMP	2-Nitroaniline	0.437	0.475	-8.7	100	0.01
40	TMP	Dimethyl phthalate	1.457	1.528	-4.9	100	0.01
41	TMP	Acenaphthylene	2.125	2.225	-4.7	100	0.01
42	TMP	2,6-Dinitrotoluene	0.264	0.304	-15.2	100	0.01
43	TMP	3-Nitroaniline	0.498	0.522	-4.8	100	0.02
44	TMP	Acenaphthene	1.489	1.511	-1.5	100	0.01
45	TMP	2,4-Dinitrophenol	0.159	0.194	-22.0#	100	0.01
46	TMP	Dibenzofuran	2.346	2.427	-3.5	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.417	-11.8	100	0.01
48	TMP	4-Nitrophenol	0.297	0.329	-10.8	100	0.01
49	TMP	Diethyl phthalate	1.527	1.577	-3.3	100	0.01
50	TMP	Fluorene	1.536	1.585	-3.2	100	0.01
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.794	-6.3	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.423	-4.9	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.309	-5.5	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.574	-2.5	100	0.01
56	TMP	4-Nitroaniline	0.087	0.084	3.4	97	0.02
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.115	-13.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	0.242	0.243	-0.4	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.298	-1.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.220	-6.3	100	0.00
61	TMP	Phenanthrene	1.202	1.210	-0.7	100	0.00
62	TMP	Anthracene	1.177	1.229	-4.4	100	0.02
63	TMP	Carbazole	0.901	0.893	0.9	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.401	-8.7	100	0.02
65	TMP	Fluoranthene	1.367	1.411	-3.2	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.01
67	TMP	Benzidine	0.460	0.499	-8.5	100	0.01
68	TMP	Pyrene	1.674	1.771	-5.8	100	0.01
69	S	Terphenyl-d14	1.068	1.111	-4.0	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.586	-5.4	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.290	6.5	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.520	7.1	100	0.00
73	TMP	Chrysene	1.403	1.435	-2.3	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.863	-9.7	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.487	-4.5	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.314	-7.4	100	0.01
78	TMP	Benzo(b)fluoranthene	1.502	1.579	-5.1	100	0.01
79	TMP	Benzo(k)fluoranthene	1.443	1.525	-5.7	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.114	-10.7	100	0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.138	-13.2	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.118	-6.5	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	258993	8.000	ug/ml	0.00
17) Naphthalene-d8	7.16	136	890001	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	476349	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.50	188	991559	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	808218	8.000	ug/ml	0.01
75) Perylene-d12	22.99	264	700514	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.23	112	708338	20.565	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 137.13%#			
4) Phenol-d6	5.14	99	858241	20.731	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 49		Recovery = 138.20%#			
18) Nitrobenzene-d5	6.21	82	877964	19.677	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 196.80%#			
37) 2-Fluorobiphenyl	8.94	172	1774928	21.197	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 212.00%#			
53) 2,4,6-Tribromophenol	11.92	330	368370	21.129	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 140.87%			
69) Terphenyl-d14	17.39	244	2244124	20.789	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 207.90%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	427721	19.946	ug/ml	98
5) Phenol	5.16	94	1094920	20.810	ug/ml	92
6) Bis(2-chloroethyl) ether	5.28	63	836575	20.606	ug/ml	99
7) 2-Chlorophenol	5.34	128	807073	20.609	ug/ml	94
8) 1,3-Dichlorobenzene	5.51	146	967865	20.681	ug/ml	98
9) 1,4-Dichlorobenzene	5.59	146	976902	21.236	ug/ml	99
10) 1,2-Dichlorobenzene	5.75	146	926927	20.268	ug/ml	99
11) Benzyl alcohol	5.71	108	511456	20.567	ug/ml	96
12) 2,2'-Oxybis(1-chloropr...	5.87	45	2056313	20.491	ug/ml	98
13) 2-Methylphenol	5.83	108	728089	21.324	ug/ml	98
14) Hexachloroethane	6.15	117	415274	20.384	ug/ml	96
15) N-Nitroso-di-n-propyla...	6.03	70	576112	20.332	ug/ml	95
16) 3-Methylphenol + 4-Met...	6.01	108	728835	20.654	ug/ml	97
19) Nitrobenzene	6.23	77	930344	20.183	ug/ml	99
20) Isophorone	6.54	82	1549655	20.179	ug/ml	97
21) 2-Nitrophenol	6.63	139	404346	21.050	ug/ml	91
22) 2,4-Dimethylphenol	6.67	107	828413	19.630	ug/ml	98
23) Benzoic acid	6.81	122	429895	20.162	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	956336	19.840	ug/ml	100
25) 2,4-Dichlorophenol	6.95	162	717194	20.179	ug/ml	98
26) 1,2,4-Trichlorobenzene	7.08	180	858756	19.283	ug/ml	99
27] Naphthalene	7.19	128	2583754	19.551	ug/ml	98
28) Hexachlorobutadiene	7.37	225	676245	19.451	ug/ml	95
29) 4-Chloroaniline	7.26	127	970354	20.143	ug/ml	98
30) 4-Chloro-3-methylphenol	8.01	107	723684	20.232	ug/ml	97
31] 2-Methylnaphthalene	8.28	142	1656104	19.674	ug/ml	98
32] 1-Methylnaphthalene	8.45	142	1594638	19.742	ug/ml	97
34) Hexachlorocyclopentadiene	8.54	237	750966	23.436	ug/ml	92
35) 2,4,6-Trichlorophenol	8.76	196	623519	21.740	ug/ml	96
36) 2,4,5-Trichlorophenol	8.82	196	628713	20.940	ug/ml	98
38) 2-Chloronaphthalene	9.14	162	1540940	20.921	ug/ml	99
39) 2-Nitroaniline	9.35	65	566136	21.750	ug/ml	98
40) Dimethyl phthalate	9.75	163	1819793	20.976	ug/ml	100
41] Acenaphthylene	9.94	152	2649425	20.942	ug/ml	99
42) 2,6-Dinitrotoluene	9.85	165	362500	19.902	ug/ml	89
43) 3-Nitroaniline	10.17	65	621407	20.975	ug/ml	97
44] Acenaphthene	10.30	153	1799090	20.298	ug/ml	98
45) 2,4-Dinitrophenol	10.38	184	230832	20.625	ug/ml	98
46] Dibenzofuran	10.66	168	2890681	20.697	ug/ml	87
47) 2,4-Dinitrotoluene	10.67	165	496495	22.337	ug/ml	91
48) 4-Nitrophenol	10.53	65	391298	20.635	ug/ml	92
49) Diethyl phthalate	11.25	149	1877814	20.649	ug/ml	99
50] Fluorene	11.40	166	1887132	20.636	ug/ml	95
51) 4-Chlorophenyl phenyl ...	11.44	204	945845	21.265	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	1694928	20.999	ug/ml	98
55) N-Nitrosodiphenylamine	11.71	169	1423953	20.531	ug/ml	99
56) 4-Nitroaniline	11.46	138	208698m	19.337	ug/ml	
57) 4,6-Dinitro-2-methylph...	11.54	198	284277	20.172	ug/ml	95
58) 4-Bromophenyl phenyl e...	12.53	248	601694	20.080	ug/ml	97
59) Hexachlorobenzene	12.61	284	738458	20.367	ug/ml	98
60] Pentachlorophenol	13.06	266	545833	21.275	ug/ml	98
61] Phenanthrene	13.54	178	2999118	20.128	ug/ml	99
62] Anthracene	13.67	178	3046876	20.879	ug/ml	99
63] Carbazole	14.07	167	2212465	19.808	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	3473550	21.747	ug/ml	98
65] Fluoranthene	16.36	202	3498746	20.652	ug/ml	99
67) Benzidine	16.78	184	1009107	21.723	ug/ml	95
68] Pyrene	16.88	202	3578178	21.160	ug/ml	100
70) Benzyl butyl phthalate	18.68	149	1183193	21.059	ug/ml	100

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

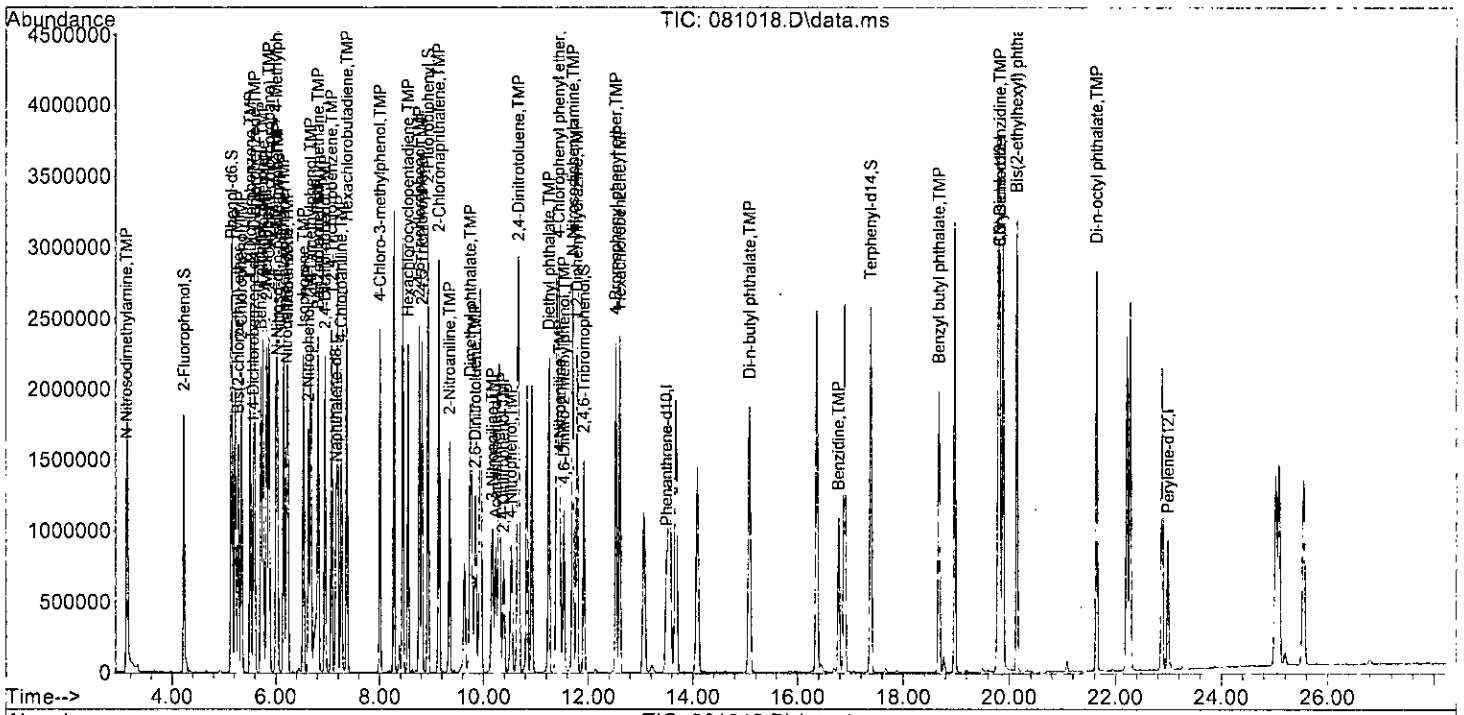
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	585431	18.705	ug/ml	96
72] Benz(a)anthracene	19.80	228	3071091	20.192	ug/ml	99
73] Chrysene	19.88	228	2900331	20.466	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	1743716	21.937	ug/ml	100
76) Di-n-octyl phthalate	21.64	149	2604600	19.126	ug/ml	99
77] Benzo(a)pyrene	22.88	252	2301852	21.492	ug/ml	100
78] Benzo(b)fluoranthene	22.22	252	2766078	21.031	ug/ml	100
79] Benzo(k)fluoranthene	22.28	252	2670020	21.131	ug/ml	100
80] Indeno(1,2,3-cd)pyrene	25.02	276	1951087m	22.155	ug/ml	
81] Dibenz(a,h)anthracene	25.08	278	1993044	22.647	ug/ml	99
82] Benzo(g,h,i)perylene	25.54	276	1957340	21.287	ug/ml	99

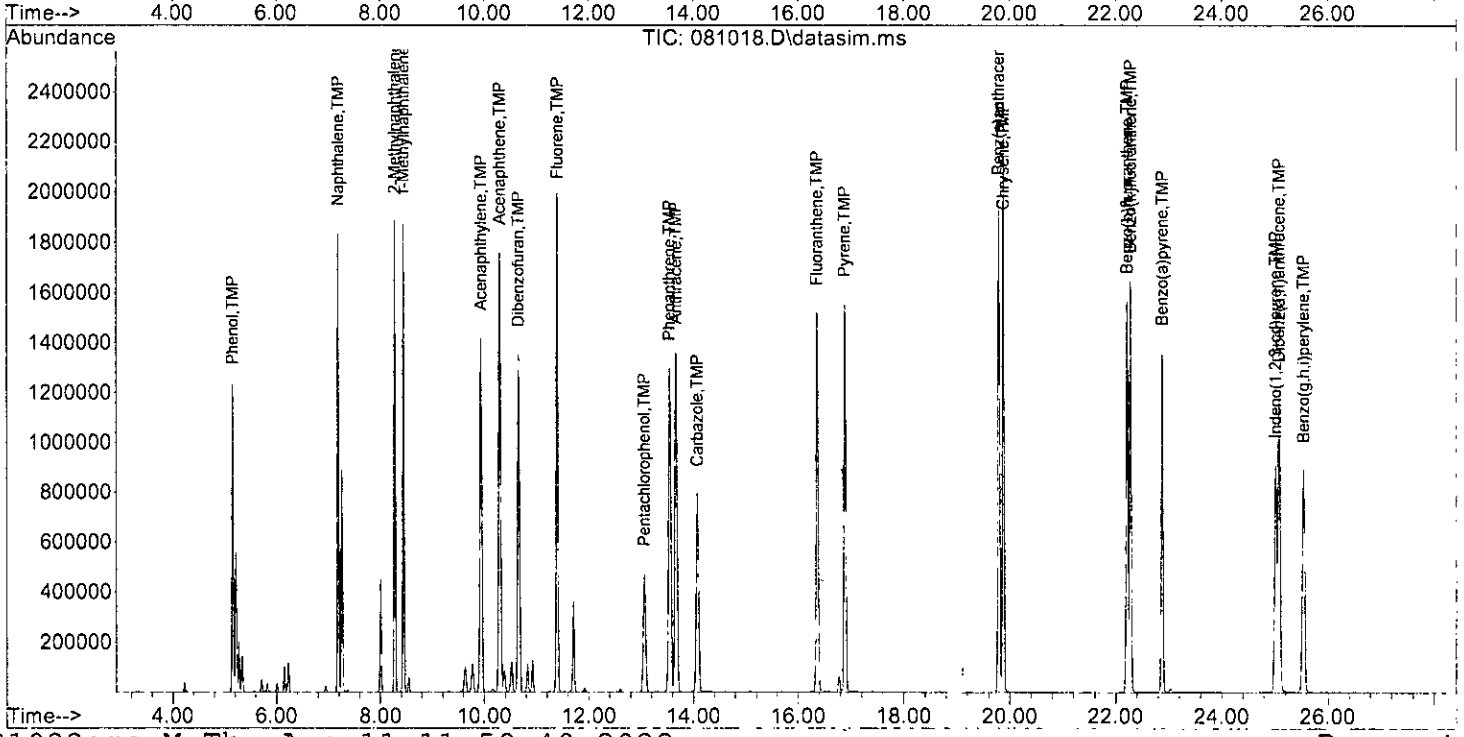
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

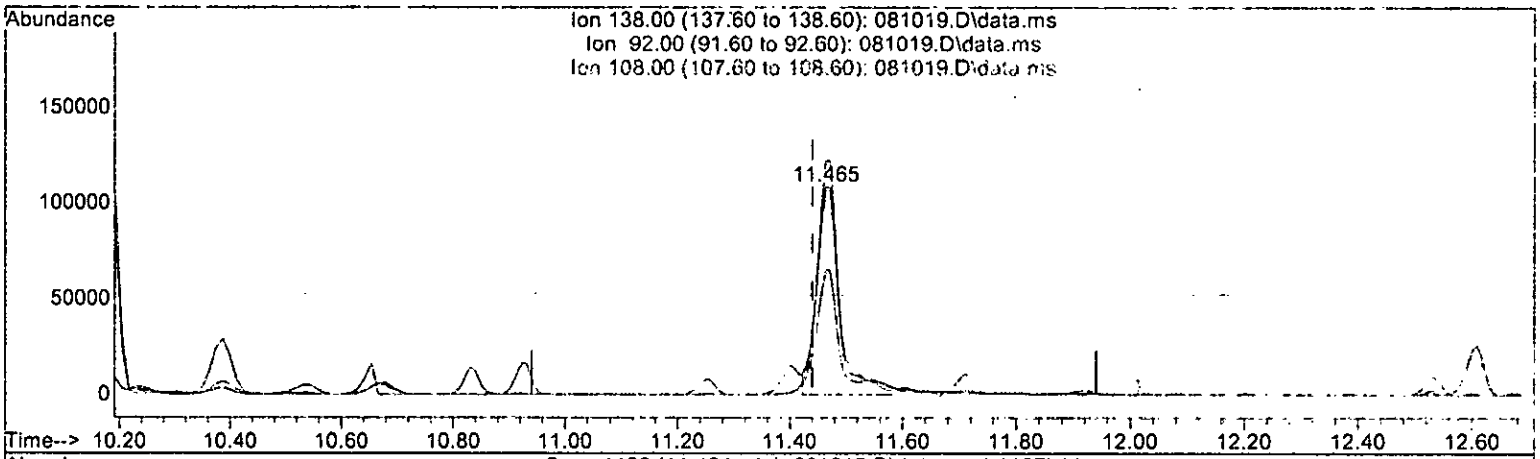


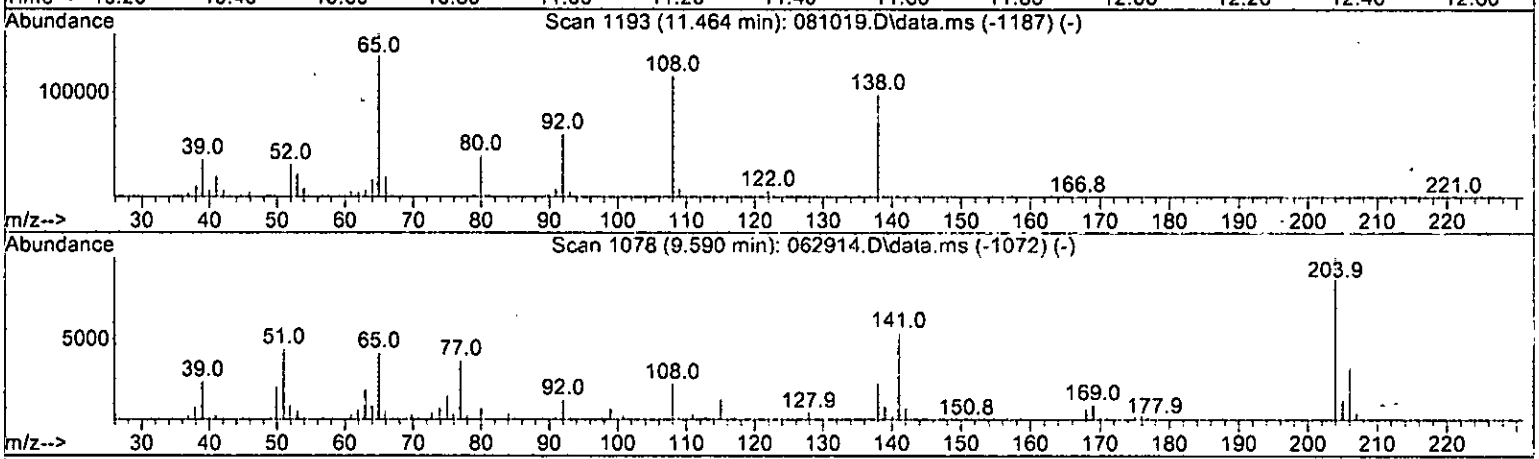


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081019.D\data.ms

(56) 4-Nitroaniline (TMP)

11.464min (+ 0.023) 29.639 ug/ml

response 312929

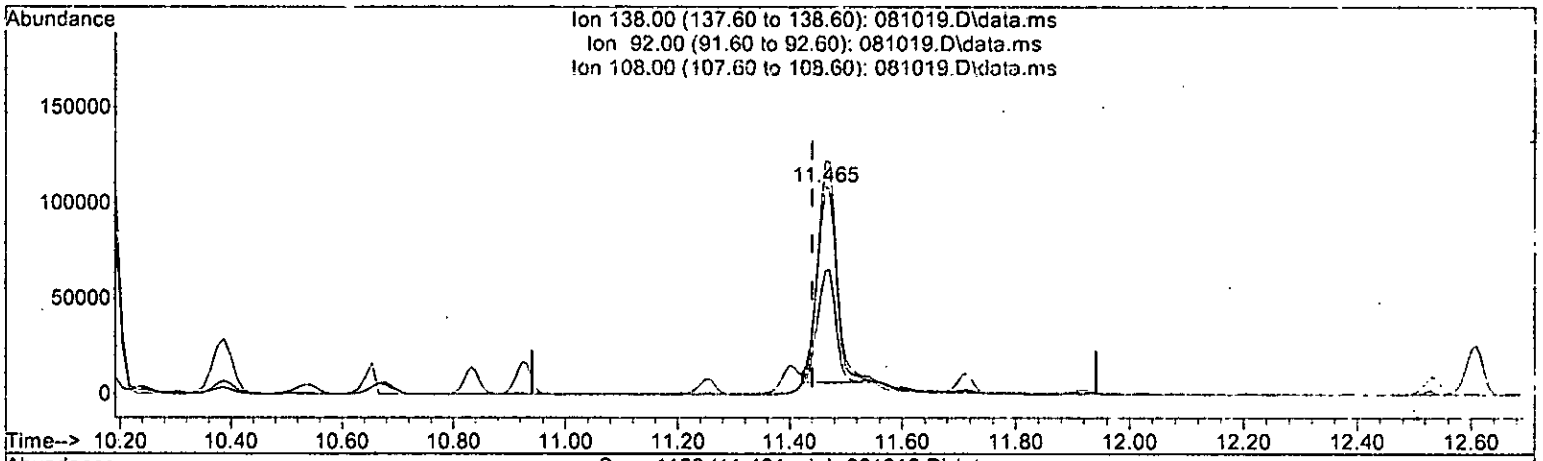
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	59.27
108.00	100.20	112.58
0.00	0.00	0.00

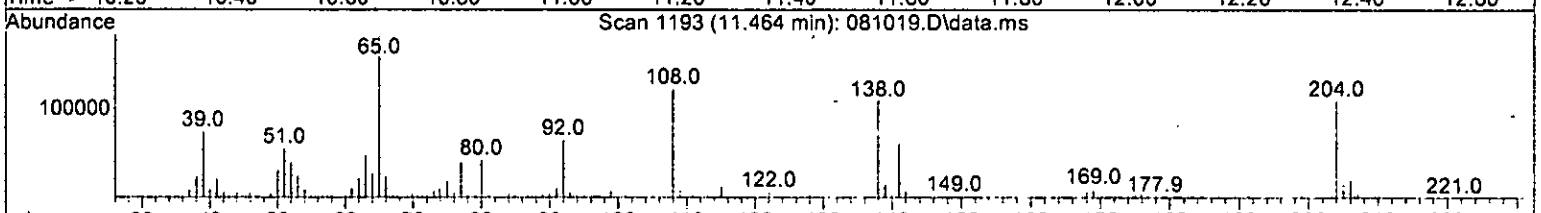
8/11 dm

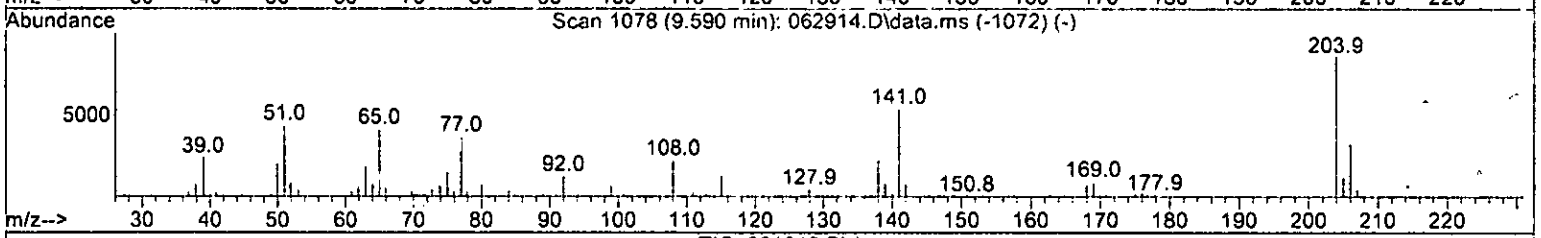
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081019.D\data.ms

(56) 4-Nitroaniline (TMP)

11.464min (+ 0.023) 23.291 ug/ml m

response 245908

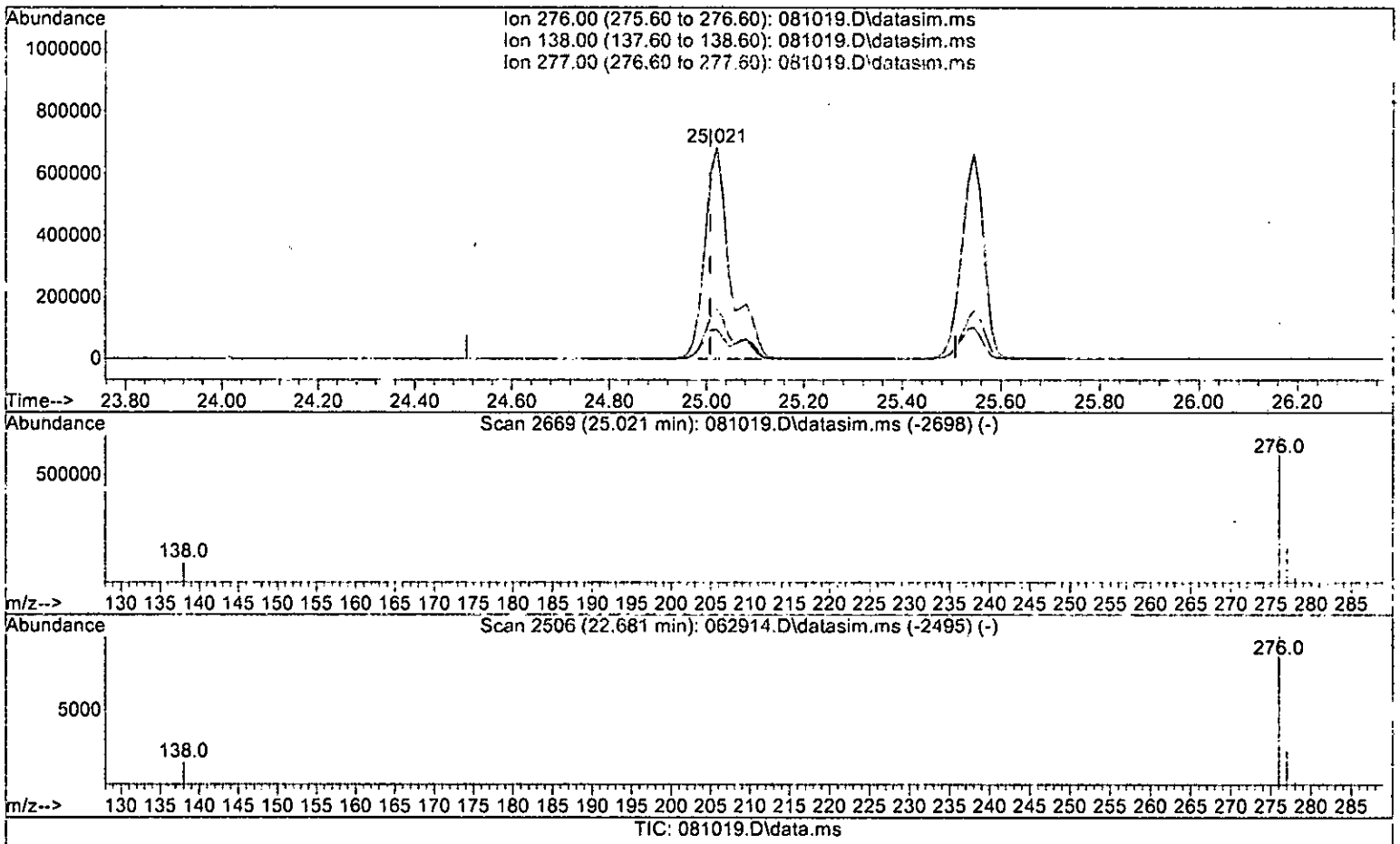
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	59.78
108.00	100.20	112.62
0.00	0.00	0.00

8/11 JM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081019.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 22.194 ug/ml

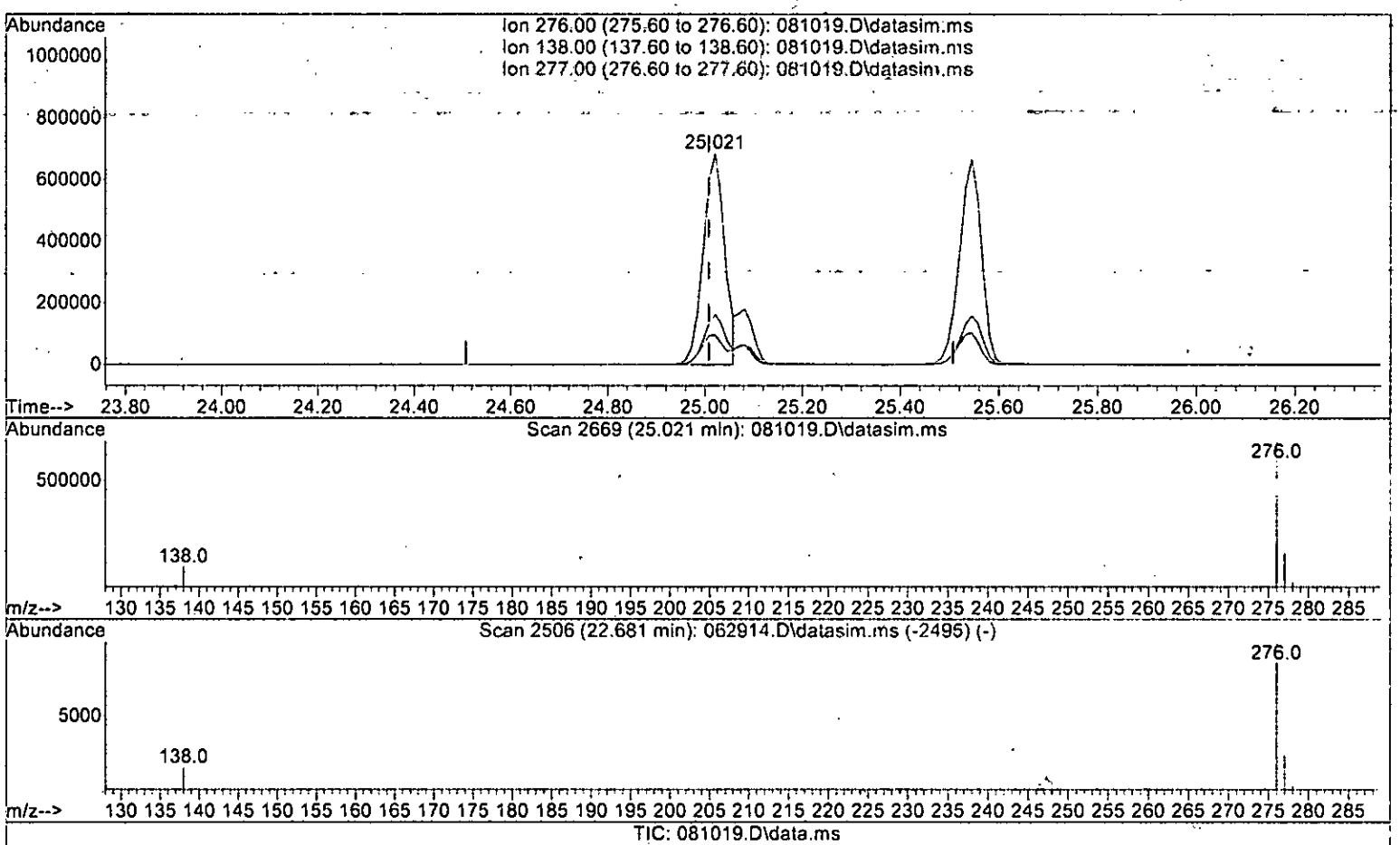
response 2510879

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.92
277.00	24.10	23.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081019.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 26.707 ug/ml m

response 2082974

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.94
277.00	24.10	23.66
0.00	0.00	0.00

8/11 dm

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	25.000	24.722	1.1	100	0.00
3	S	2-Fluorophenol	25.000	25.117	-0.5	100	0.00
4	S	Phenol-d6	25.000	25.791	-3.2	100	0.01
5	TMP	Phenol	25.000	25.591	-2.4	100	0.01
6	TMP	Bis(2-chloroethyl) ether	25.000	25.649	-2.6	100	0.00
7	TMP	2-Chlorophenol	25.000	25.693	-2.8	100	0.00
8	TMP	1,3-Dichlorobenzene	25.000	25.154	-0.6	100	0.00
9	TMP	1,4-Dichlorobenzene	25.000	25.854	-3.4	100	0.00
10	TMP	1,2-Dichlorobenzene	25.000	24.759	1.0	100	0.00
11	TMP	Benzyl alcohol	25.000	25.770	-3.1	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	25.000	25.077	-0.3	100	0.00
13	TMP	2-Methylphenol	25.000	25.824	-3.3	100	0.00
14	TMP	Hexachloroethane	25.000	26.009	-4.0	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	25.000	25.012	-0.0	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	25.000	25.717	-2.9	100	0.01
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	25.000	24.856	0.6	100	0.00
19	TMP	Nitrobenzene	25.000	25.288	-1.2	100	0.00
20	TMP	Isophorone	25.000	26.210	-4.8	100	0.01
21	TMP	2-Nitrophenol	25.000	26.833	-7.3	100	0.00
22	TMP	2,4-Dimethylphenol	25.000	25.332	-1.3	100	0.00
23	TMP	Benzoic acid	25.000	24.777	0.9	100	0.09
24	TMP	Bis(2-chloroethoxy)methane	25.000	24.633	1.5	100	0.00
25	TMP	2,4-Dichlorophenol	25.000	25.355	-1.4	100	0.00
26	TMP	1,2,4-Trichlorobenzene	25.000	24.300	2.8	100	0.00
27	TMP	Naphthalene	25.000	24.682	1.3	100	0.00
28	TMP	Hexachlorobutadiene	25.000	24.673	1.3	100	0.00
29	TMP	4-Chloroaniline	25.000	25.406	-1.6	100	0.00
30	TMP	4-Chloro-3-methylphenol	25.000	25.964	-3.9	100	0.01
31	TMP	2-Methylnaphthalene	25.000	25.045	-0.2	100	0.00
32	TMP	1-Methylnaphthalene	25.000	25.176	-0.7	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	25.000	26.807	-7.2	100	0.00
35	TMP	2,4,6-Trichlorophenol	25.000	25.694	-2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	25.000	25.775	-3.1	100	0.00
37	S	2-Fluorobiphenyl	25.000	25.027	-0.1	100	0.00
38	TMP	2-Chloronaphthalene	25.000	25.039	-0.2	100	0.00
39	TMP	2-Nitroaniline	25.000	26.418	-5.7	100	0.01
40	TMP	Dimethyl phthalate	25.000	25.469	-1.9	100	0.02
41	TMP	Acenaphthylene	25.000	25.472	-1.9	100	0.00
42	TMP	2,6-Dinitrotoluene	25.000	24.005	4.0	100	0.02
43	TMP	3-Nitroaniline	25.000	24.819	0.7	100	0.02
44	TMP	Acenaphthene	25.000	24.592	1.6	100	0.02
45	TMP	2,4-Dinitrophenol	25.000	24.244	3.0	100	0.02
46	TMP	Dibenzofuran	25.000	25.281	-1.1	100	0.00
47	TMP	2,4-Dinitrotoluene	25.000	27.691	-10.8	100	0.02
48	TMP	4-Nitrophenol	25.000	24.223	3.1	100	0.02
49	TMP	Diethyl phthalate	25.000	26.009	-4.0	100	0.02
50	TMP	Fluorene	25.000	25.300	-1.2	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	25.000	25.663	-2.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	25.000	26.099	-4.4	100	0.00
53	S	2,4,6-Tribromophenol	25.000	26.782	-7.1	100	0.02
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	25.000	25.443	-1.8	100	0.02
56	TMP	4-Nitroaniline	25.000	23.291	6.8	108	0.02
57	TMP	4,6-Dinitro-2-methylphenol	25.000	24.637	1.5	100	0.02
58	TMP	4-Bromophenyl phenyl ether	25.000	24.691	1.2	100	0.00
59	TMP	Hexachlorobenzene	25.000	24.833	0.7	100	0.00
60	TMP	Pentachlorophenol	25.000	27.614	-10.5	100	0.00
61	TMP	Phenanthrene	25.000	25.092	-0.4	100	0.00
62	TMP	Anthracene	25.000	25.745	-3.0	100	0.02
63	TMP	Carbazole	25.000	23.461	6.2	100	0.00
64	TMP	Di-n-butyl phthalate	25.000	25.401	-1.6	100	0.02
65	TMP	Fluoranthene	25.000	25.907	-3.6	100	0.02
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.01
67	TMP	Benzidine	25.000	26.356	-5.4	100	0.02
68	TMP	Pyrene	25.000	27.187	-8.7	100	0.02
69	S	Terphenyl-d14	25.000	26.587	-6.3	100	0.00
70	TMP	Benzyl butyl phthalate	25.000	27.391	-9.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	25.000	21.154	15.4	100	0.00
72	TMP	Benz(a)anthracene	25.000	24.860	0.6	100	0.00
73	TMP	Chrysene	25.000	25.625	-2.5	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	25.000	27.774	-11.1	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	25.000	25.613	-2.5	100	0.00
77	TMP	Benzo(a)pyrene	25.000	26.868	-7.5	100	0.01
78	TMP	Benzo(b)fluoranthene	25.000	26.410	-5.6	100	0.01
79	TMP	Benzo(k)fluoranthene	25.000	26.972	-7.9	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	25.000	26.707	-6.8	100	0.01
81	TMP	Dibenz(a,h)anthracene	25.000	26.993	-8.0	100	0.01
82	TMP	Benzo(g,h,i)perylene	25.000	25.482	-1.9	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.655	1.1	100	0.00
3	S	2-Fluorophenol	1.064	1.069	-0.5	100	0.00
4	S	Phenol-d6	1.279	1.319	-3.1	100	0.01
5	TMP	Phenol	1.625	1.664	-2.4	100	0.01
6	TMP	Bis(2-chloroethyl) ether	1.254	1.287	-2.6	100	0.00
7	TMP	2-Chlorophenol	1.210	1.243	-2.7	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.455	-0.6	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.470	-3.4	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.399	1.0	100	0.00
11	TMP	Benzyl alcohol	0.768	0.792	-3.1	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.109	-0.3	100	0.00
13	TMP	2-Methylphenol	1.055	1.089	-3.2	100	0.00
14	TMP	Hexachloroethane	0.629	0.655	-4.1	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.876	-0.1	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.121	-2.8	100	0.01
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.399	0.5	100	0.00
19	TMP	Nitrobenzene	0.414	0.419	-1.2	100	0.00
20	TMP	Isophorone	0.690	0.724	-4.9	100	0.01
21	TMP	2-Nitrophenol	0.173	0.185	-6.9	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.384	-1.3	100	0.00
23	TMP	Benzoic acid	0.178	0.196	-10.1	100	0.09
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.427	1.4	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.324	-1.6	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.389	2.8	100	0.00
27	TMP	Naphthalene	1.188	1.173	1.3	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.308	1.6	100	0.00
29	TMP	4-Chloroaniline	0.433	0.440	-1.6	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.334	-3.7	100	0.01
31	TMP	2-Methylnaphthalene	0.757	0.758	-0.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.731	-0.7	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.577	-7.2	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.495	-2.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.520	-3.2	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.408	-0.1	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.239	-0.2	100	0.00
39	TMP	2-Nitroaniline	0.437	0.462	-5.7	100	0.01
40	TMP	Dimethyl phthalate	1.457	1.484	-1.9	100	0.02
41	TMP	Acenaphthylene	2.125	2.165	-1.9	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.300	-13.6	100	0.02
43	TMP	3-Nitroaniline	0.498	0.494	0.8	100	0.02
44	TMP	Acenaphthene	1.489	1.464	1.7	100	0.02
45	TMP	2,4-Dinitrophenol	0.159	0.188	-18.2	100	0.02
46	TMP	Dibenzofuran	2.346	2.372	-1.1	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.413	-10.7	100	0.02
48	TMP	4-Nitrophenol	0.297	0.317	-6.7	100	0.02
49	TMP	Diethyl phthalate	1.527	1.589	-4.1	100	0.02
50	TMP	Fluorene	1.536	1.554	-1.2	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.767	-2.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.415	-4.4	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.314	-7.2	100	0.02
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.570	-1.8	100	0.02
56	TMP	4-Nitroaniline	0.087	0.081	6.9	108	0.02
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.115	-13.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	0.242	0.239	1.2	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.291	0.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.229	-10.6	100	0.00
61	TMP	Phenanthrene	1.202	1.207	-0.4	100	0.00
62	TMP	Anthracene	1.177	1.212	-3.0	100	0.02
63	TMP	Carbazole	0.901	0.846	6.1	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.309	-1.6	100	0.02
65	TMP	Fluoranthene	1.367	1.416	-3.6	100	0.02
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.01
67	TMP	Benzidine	0.460	0.485	-5.4	100	0.02
68	TMP	Pyrene	1.674	1.820	-8.7	100	0.02
69	S	Terphenyl-d14	1.068	1.136	-6.4	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.609	-9.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.262	15.5	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.519	7.2	100	0.00
73	TMP	Chrysene	1.403	1.438	-2.5	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.874	-11.1	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.718	-20.7#	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.315	-7.5	100	0.01
78	TMP	Benzo(b)fluoranthene	1.502	1.587	-5.7	100	0.01
79	TMP	Benzo(k)fluoranthene	1.443	1.557	-7.9	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.074	-6.8	100	0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.085	-8.0	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.070	-1.9	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	247453	8.000	ug/ml	0.00
17) Naphthalene-d8	7.16	136	831238	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	473660	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	970021	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	769311	8.000	ug/ml	0.01
75) Perylene-d12	22.99	264	620398	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	826586	25.117	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 167.47%#			
4) Phenol-d6	5.14	99	1020178	25.791	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 49		Recovery = 171.93%#			
18) Nitrobenzene-d5	6.21	82	1035818	24.856	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 248.60%#			
37) 2-Fluorobiphenyl	8.94	172	2083805	25.027	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 250.30%#			
53) 2,4,6-Tribromophenol	11.93	330	464297	26.782	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 178.53%#			
69) Terphenyl-d14	17.38	244	2731770	26.587	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 265.90%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	506499	24.722	ug/ml	93
5] Phenol	5.16	94	1286483	25.591	ug/ml	96
6) Bis(2-chloroethyl) ether	5.28	63	994934	25.649	ug/ml	98
7) 2-Chlorophenol	5.34	128	961350	25.693	ug/ml	96
8) 1,3-Dichlorobenzene	5.51	146	1124759	25.154	ug/ml	96
9) 1,4-Dichlorobenzene	5.59	146	1136363	25.854	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	1081856	24.759	ug/ml	97
11) Benzyl alcohol	5.72	108	612292	25.770	ug/ml	96
12) 2,2'-Oxybis(1-chloropr...	5.87	45	2404411	25.077	ug/ml	98
13) 2-Methylphenol	5.83	108	842453	25.824	ug/ml	98
14) Hexachloroethane	6.15	117	506271	26.009	ug/ml	93
15) N-Nitroso-di-n-propyla...	6.04	70	677121	25.012	ug/ml	98
16) 3-Methylphenol + 4-Met...	6.01	108	867093	25.717	ug/ml	98
19) Nitrobenzene	6.23	77	1088692	25.288	ug/ml	98
20) Isophorone	6.54	82	1879923	26.210	ug/ml	99
21) 2-Nitrophenol	6.63	139	481388	26.833	ug/ml	92
22) 2,4-Dimethylphenol	6.68	107	998429	25.332	ug/ml	97
23) Benzoic acid	6.83	122	510418	24.777	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.82	93	1108972	24.633	ug/ml	99
25) 2,4-Dichlorophenol	6.95	162	841674	25.355	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.08	180	1010723	24.300	ug/ml	98
27] Naphthalene	7.19	128	3046441	24.682	ug/ml	99
28) Hexachlorobutadiene	7.37	225	801132	24.673	ug/ml	96
29) 4-Chloroaniline	7.27	127	1143053	25.406	ug/ml	96
30) 4-Chloro-3-methylphenol	8.01	107	867404	25.964	ug/ml	96
31] 2-Methylnaphthalene	8.28	142	1968999	25.045	ug/ml	99
32] 1-Methylnaphthalene	8.45	142	1899242	25.176	ug/ml	100
34) Hexachlorocyclopentadiene	8.54	237	854124	26.807	ug/ml	94
35) 2,4,6-Trichlorophenol	8.76	196	732761	25.694	ug/ml	96
36) 2,4,5-Trichlorophenol	8.82	196	769509	25.775	ug/ml	95
38) 2-Chloronaphthalene	9.15	162	1833883	25.039	ug/ml	99
39) 2-Nitroaniline	9.35	65	683756	26.418	ug/ml	96
40) Dimethyl phthalate	9.75	163	2197116	25.469	ug/ml	99
41] Acenaphthylene	9.94	152	3204334	25.472	ug/ml	99
42) 2,6-Dinitrotoluene	9.85	165	444029	24.005	ug/ml	91
43) 3-Nitroaniline	10.17	65	731121	24.819	ug/ml	98
44] Acenaphthene	10.30	153	2167363	24.592	ug/ml	96
45) 2,4-Dinitrophenol	10.39	184	277566	24.244	ug/ml	91
46] Dibenzofuran	10.67	168	3511096	25.281	ug/ml	95
47) 2,4-Dinitrotoluene	10.68	165	612023	27.691	ug/ml	86
48) 4-Nitrophenol	10.53	65	468716	24.223	ug/ml	96
49) Diethyl phthalate	11.25	149	2351917	26.009	ug/ml	99
50] Fluorene	11.40	166	2300616	25.300	ug/ml	95
51) 4-Chlorophenyl phenyl ...	11.44	204	1135011	25.663	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	2094619	26.099	ug/ml	98
55) N-Nitrosodiphenylamine	11.71	169	1726363	25.443	ug/ml	98
56) 4-Nitroaniline	11.46	138	245908m	23.291	ug/ml	
57) 4,6-Dinitro-2-methylph...	11.54	198	349054	24.637	ug/ml	94
58) 4-Bromophenyl phenyl e...	12.53	248	723785	24.691	ug/ml	98
59) Hexachlorobenzene	12.61	284	880802	24.833	ug/ml	97
60] Pentachlorophenol	13.06	266	693092	27.614	ug/ml	98
61] Phenanthrene	13.55	178	3657498	25.092	ug/ml	99
62] Anthracene	13.67	178	3675352	25.745	ug/ml	99
63] Carbazole	14.07	167	2563511	23.461	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	3969063	25.401	ug/ml	98
65] Fluoranthene	16.37	202	4293628	25.907	ug/ml	97
67) Benzidine	16.79	184	1165380	26.356	ug/ml	96
68] Pyrene	16.89	202	4376075	27.187	ug/ml	97
70) Benzyl butyl phthalate	18.67	149	1464831	27.391	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

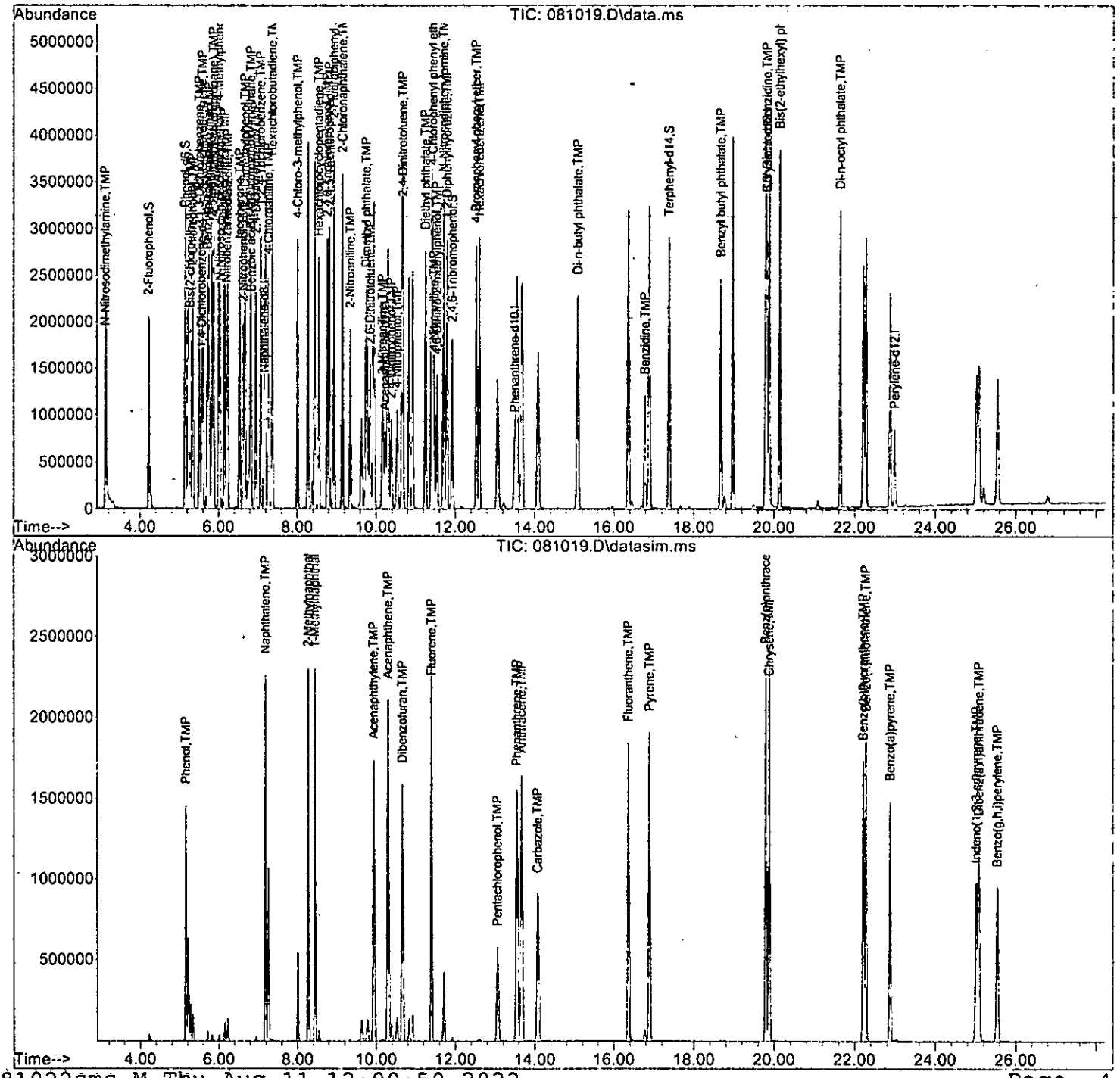
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	630203	21.154	ug/ml	96
72] Benz(a)anthracene	19.80	228	3652566	24.860	ug/ml	98
73] Chrysene	19.88	228	3456671	25.625	ug/ml	98
74) Bis(2-ethylhexyl) phth...	20.14	149	2101376	27.774	ug/ml	98
76) Di-n-octyl phthalate	21.64	149	3331511	25.613	ug/ml	99
77] Benzo(a)pyrene	22.88	252	2548566	26.868	ug/ml	100
78] Benzo(b)fluoranthene	22.22	252	3076319	26.410	ug/ml	99
79] Benzo(k)fluoranthene	22.28	252	3018289	26.972	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.02	276	2082974m	26.707	ug/ml	
81] Dibenz(a,h)anthracene	25.08	278	2103804	26.993	ug/ml	99
82] Benzo(g,h,i)perylene	25.54	276	2075070	25.482	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

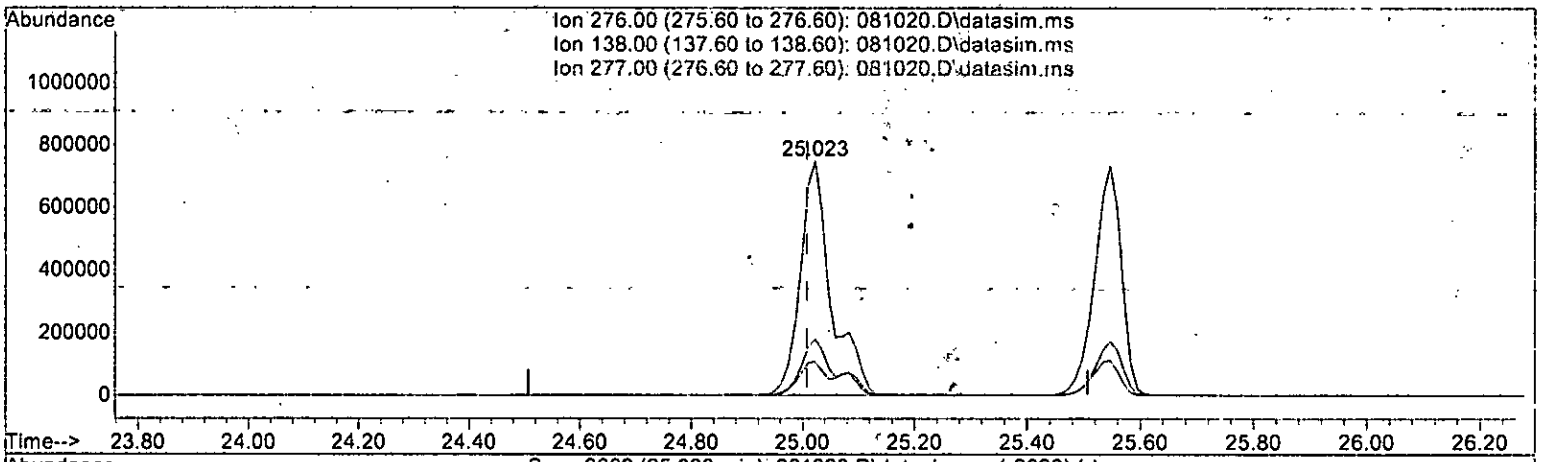
Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

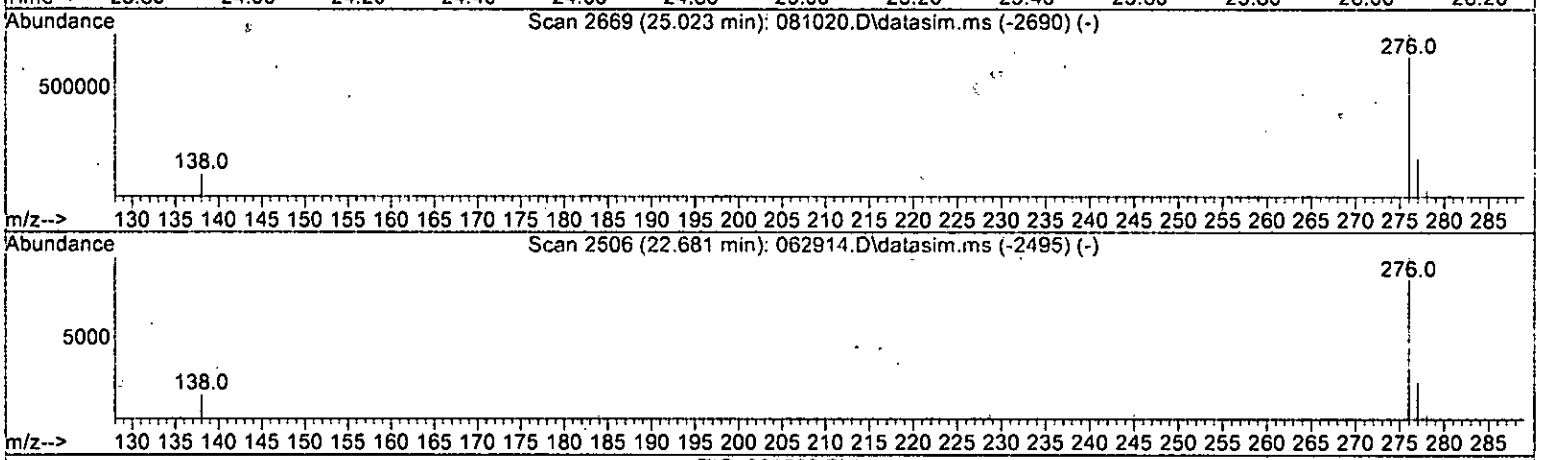


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081020.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.023min (+ 0.015) 38.971 ug/ml

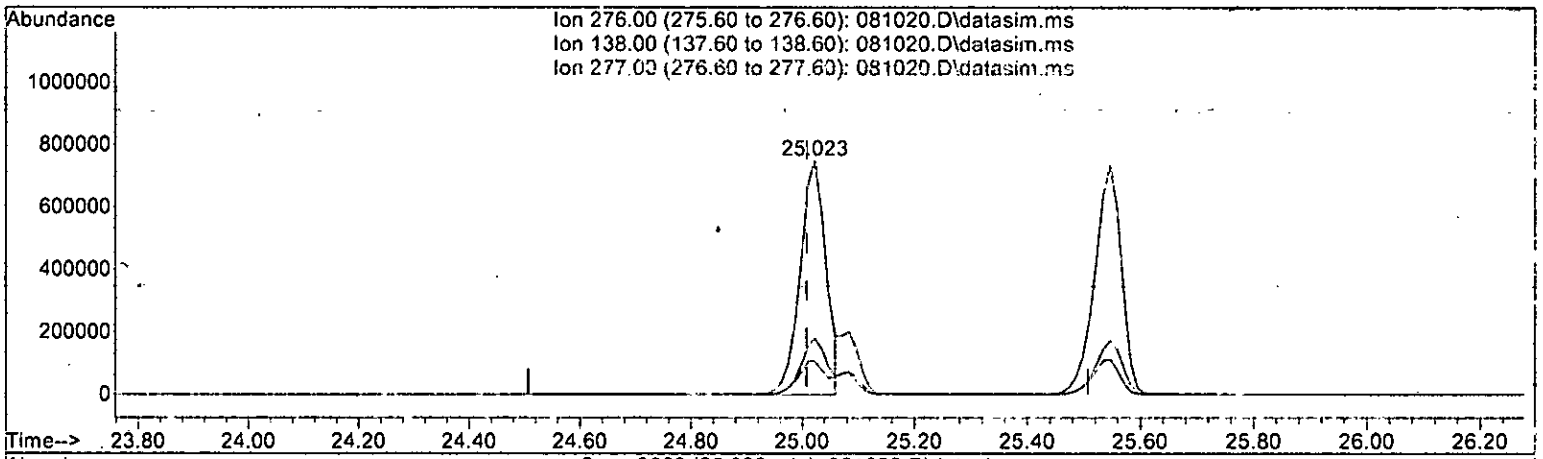
response 2907962

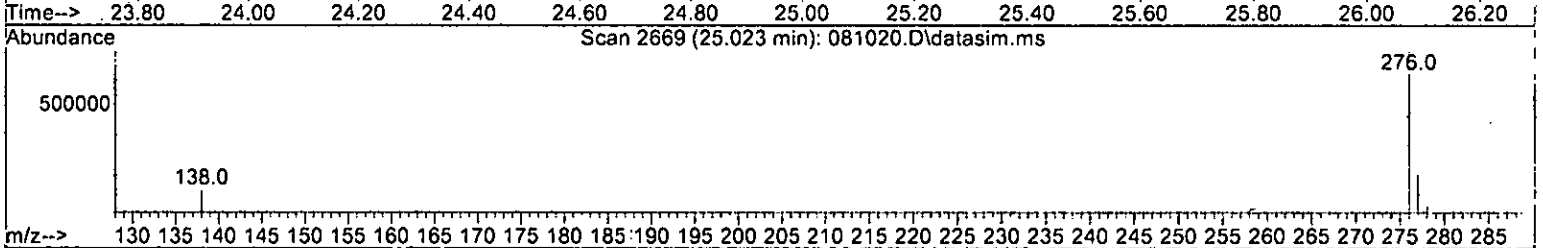
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.31
277.00	24.10	23.99
0.00	0.00	0.00

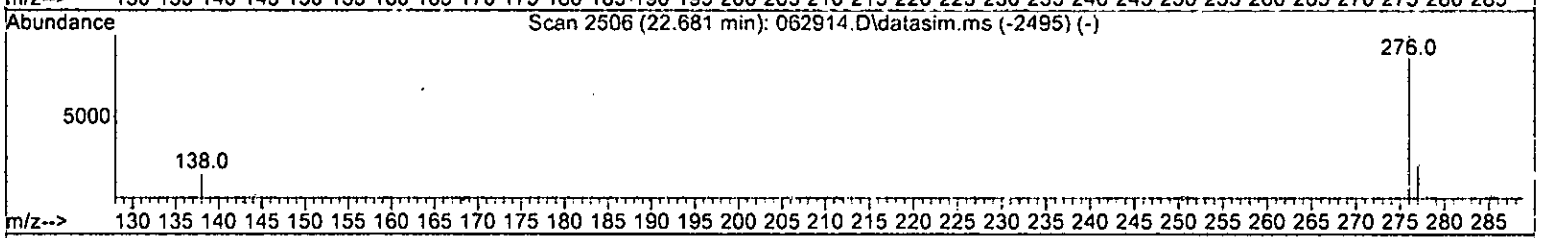
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081020.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.023min (+ 0.015) 32.701 ug/ml m

response 2440083

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.32
277.00	24.10	24.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	30.000	31.868	-6.2	100	0.00
3	S	2-Fluorophenol	30.000	31.057	-3.5	100	0.00
4	S	Phenol-d6	30.000	31.717	-5.7	100	0.01
5	TMP	Phenol	30.000	31.171	-3.9	100	0.01
6	TMP	Bis(2-chloroethyl) ether	30.000	31.297	-4.3	100	0.00
7	TMP	2-Chlorophenol	30.000	31.912	-6.4	100	0.00
8	TMP	1,3-Dichlorobenzene	30.000	30.849	-2.8	100	0.00
9	TMP	1,4-Dichlorobenzene	30.000	31.528	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	30.000	30.127	-0.4	100	0.00
11	TMP	Benzyl alcohol	30.000	31.132	-3.8	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	30.000	30.107	-0.4	100	0.00
13	TMP	2-Methylphenol	30.000	31.881	-6.3	100	0.00
14	TMP	Hexachloroethane	30.000	30.716	-2.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	30.000	30.068	-0.2	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	30.000	31.053	-3.5	100	0.02
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	30.000	30.993	-3.3	100	0.00
19	TMP	Nitrobenzene	30.000	32.111	-7.0	100	0.01
20	TMP	Isophorone	30.000	31.925	-6.4	100	0.02
21	TMP	2-Nitrophenol	30.000	32.232	-7.4	100	0.00
22	TMP	2,4-Dimethylphenol	30.000	31.388	-4.6	100	0.00
23	TMP	Benzoic acid	30.000	30.070	-0.2	100	0.11
24	TMP	Bis(2-chloroethoxy)methane	30.000	30.726	-2.4	100	0.00
25	TMP	2,4-Dichlorophenol	30.000	31.604	-5.3	100	0.00
26	TMP	1,2,4-Trichlorobenzene	30.000	29.638	1.2	100	0.00
27	TMP	Naphthalene	30.000	30.435	-1.4	100	0.00
28	TMP	Hexachlorobutadiene	30.000	31.107	-3.7	100	0.00
29	TMP	4-Chloroaniline	30.000	31.701	-5.7	100	0.00
30	TMP	4-Chloro-3-methylphenol	30.000	31.319	-4.4	100	0.01
31	TMP	2-Methylnaphthalene	30.000	30.083	-0.3	100	0.00
32	TMP	1-Methylnaphthalene	30.000	30.200	-0.7	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	30.000	0.000	100.0#	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	30.000	34.866	-16.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	30.000	33.310	-11.0	100	0.00
37	S	2-Fluorobiphenyl	30.000	33.151	-10.5	100	0.00
38	TMP	2-Chloronaphthalene	30.000	32.666	-8.9	100	0.00
39	TMP	2-Nitroaniline	30.000	35.071	-16.9	100	0.02
40	TMP	Dimethyl phthalate	30.000	32.961	-9.9	100	0.02
41	TMP	Acenaphthylene	30.000	32.510	-8.4	100	0.00
42	TMP	2,6-Dinitrotoluene	30.000	30.709	-2.4	100	0.02
43	TMP	3-Nitroaniline	30.000	31.978	-6.6	100	0.03
44	TMP	Acenaphthene	30.000	31.473	-4.9	100	0.02
45	TMP	2,4-Dinitrophenol	30.000	30.117	-0.4	100	0.02
46	TMP	Dibenzofuran	30.000	32.126	-7.1	100	0.00
47	TMP	2,4-Dinitrotoluene	30.000	0.000	100.0#	0	-10.66#
48	TMP	4-Nitrophenol	30.000	29.191	2.7	100	0.02
49	TMP	Diethyl phthalate	30.000	32.246	-7.5	100	0.02
50	TMP	Fluorene	30.000	31.827	-6.1	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	30.000	33.206	-10.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	30.000	32.512	-8.4	100	0.00
53	S	2,4,6-Tribromophenol	30.000	33.168	-10.6	100	0.02
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	30.000	32.353	-7.8	100	0.02
56	TMP	4-Nitroaniline	30.000	0.000	100.0#	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	30.000	29.503	1.7	100	0.03
58	TMP	4-Bromophenyl phenyl ether	30.000	31.702	-5.7	100	0.00
59	TMP	Hexachlorobenzene	30.000	30.578	-1.9	100	0.00
60	TMP	Pentachlorophenol	30.000	34.687	-15.6	100	0.00
61	TMP	Phenanthrene	30.000	31.424	-4.7	100	0.00
62	TMP	Anthracene	30.000	31.526	-5.1	100	0.02
63	TMP	Carbazole	30.000	30.067	-0.2	100	0.00
64	TMP	Di-n-butyl phthalate	30.000	29.559	1.5	100	0.02
65	TMP	Fluoranthene	30.000	31.706	-5.7	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.02
67	TMP	Benzidine	30.000	33.038	-10.1	100	0.01
68	TMP	Pyrene	30.000	32.121	-7.1	100	0.02
69	S	Terphenyl-d14	30.000	31.908	-6.4	100	0.01
70	TMP	Benzyl butyl phthalate	30.000	36.764	-22.5#	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	30.000	27.547	8.2	100	0.00
72	TMP	Benz(a)anthracene	30.000	29.493	1.7	100	0.00
73	TMP	Chrysene	30.000	30.549	-1.8	100	0.02
74	TMP	Bis(2-ethylhexyl) phthalate	30.000	32.675	-8.9	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	30.000	29.894	0.4	100	0.00
77	TMP	Benzo(a)pyrene	30.000	33.015	-10.1	100	0.02
78	TMP	Benzo(b)fluoranthene	30.000	32.842	-9.5	100	0.02
79	TMP	Benzo(k)fluoranthene	30.000	32.474	-8.2	100	0.02
80	TMP	Indeno(1,2,3-cd)pyrene	30.000	32.701	-9.0	100	0.01
81	TMP	Dibenz(a,h)anthracene	30.000	33.267	-10.9	100	0.01
82	TMP	Benzo(g,h,i)perylene	30.000	31.051	-3.5	100	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.704	-6.3	100	0.00
3	S	2-Fluorophenol	1.064	1.101	-3.5	100	0.00
4	S	Phenol-d6	1.279	1.352	-5.7	100	0.01
5	TMP	Phenol	1.625	1.689	-3.9	100	0.01
6	TMP	Bis(2-chloroethyl) ether	1.254	1.308	-4.3	100	0.00
7	TMP	2-Chlorophenol	1.210	1.287	-6.4	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.487	-2.8	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.493	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.419	-0.4	100	0.00
11	TMP	Benzyl alcohol	0.768	0.797	-3.8	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.111	-0.4	100	0.00
13	TMP	2-Methylphenol	1.055	1.121	-6.3	100	0.00
14	TMP	Hexachloroethane	0.629	0.644	-2.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.877	-0.2	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.128	-3.5	100	0.02
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.414	-3.2	100	0.00
19	TMP	Nitrobenzene	0.414	0.443	-7.0	100	0.01
20	TMP	Isophorone	0.690	0.735	-6.5	100	0.02
21	TMP	2-Nitrophenol	0.173	0.186	-7.5	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.397	-4.7	100	0.00
23	TMP	Benzoic acid	0.178	0.205	-15.2	100	0.11
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.444	-2.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.337	-5.6	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.395	1.3	100	0.00
27	TMP	Naphthalene	1.188	1.205	-1.4	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.324	-3.5	100	0.00
29	TMP	4-Chloroaniline	0.433	0.458	-5.8	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.336	-4.3	100	0.01
31	TMP	2-Methylnaphthalene	0.757	0.759	-0.3	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.731	-0.7	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.560	-16.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.560	-11.1	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.554	-10.5	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.347	-8.9	100	0.00
39	TMP	2-Nitroaniline	0.437	0.511	-16.9	100	0.02
40	TMP	Dimethyl phthalate	1.457	1.601	-9.9	100	0.02
41	TMP	Acenaphthylene	2.125	2.302	-8.3	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.330	-25.0#	100	0.02
43	TMP	3-Nitroaniline	0.498	0.530	-6.4	100	0.03
44	TMP	Acenaphthene	1.489	1.562	-4.9	100	0.02
45	TMP	2,4-Dinitrophenol	0.159	0.203	-27.7#	100	0.02
46	TMP	Dibenzofuran	2.346	2.512	-7.1	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.329	-10.8	100	0.02
49	TMP	Diethyl phthalate	1.527	1.642	-7.5	100	0.02
50	TMP	Fluorene	1.536	1.629	-6.1	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.827	-10.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.469	-8.3	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.324	-10.6	100	0.02
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.603	-7.7	100	0.02
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.118	-16.8	100	0.03
58	TMP	4-Bromophenyl phenyl ether	0.242	0.255	-5.4	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.298	-1.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.239	-15.5	100	0.00
61	TMP	Phenanthrene	1.202	1.259	-4.7	100	0.00
62	TMP	Anthracene	1.177	1.237	-5.1	100	0.02
63	TMP	Carbazole	0.901	0.903	-0.2	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.270	1.5	100	0.02
65	TMP	Fluoranthene	1.367	1.445	-5.7	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.02
67	TMP	Benzidine	0.460	0.506	-10.0	100	0.01
68	TMP	Pyrene	1.674	1.792	-7.0	100	0.02
69	S	Terphenyl-d14	1.068	1.136	-6.4	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.682	-22.7#	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.284	8.4	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.524	6.9	100	0.00
73	TMP	Chrysene	1.403	1.428	-1.8	100	0.02
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.857	-8.9	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.751	-23.0#	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.346	-10.1	100	0.02
78	TMP	Benzo(b)fluoranthene	1.502	1.644	-9.5	100	0.02
79	TMP	Benzo(k)fluoranthene	1.443	1.562	-8.2	100	0.02
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.096	-8.9	100	0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.114	-10.8	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.087	-3.5	100	0.03

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	253192	8.000	ug/ml	0.00
17) Naphthalene-d8	7.16	136	824084	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	426835	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	884815	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	728354	8.000	ug/ml	0.02
75) Perylene-d12	22.99	264	593551	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.23	112	1045747	31.057	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 207.07%#			
4) Phenol-d6	5.14	99	1283668	31.717	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 49		Recovery = 211.47%#			
18) Nitrobenzene-d5	6.21	82	1280472	30.993	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 309.90%#			
37) 2-Fluorobiphenyl	8.94	172	2487344	33.151	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 331.50%#			
53) 2,4,6-Tribromophenol	11.93	330	518162	33.168	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 221.13%#			
69) Terphenyl-d14	17.39	244	3104040	31.908	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 319.10%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	668055	31.868	ug/ml	94
5] Phenol	5.16	94	1603338	31.171	ug/ml	98
6) Bis(2-chloroethyl) ether	5.28	63	1242168	31.297	ug/ml	98
7) 2-Chlorophenol	5.34	128	1221725	31.912	ug/ml	97
8) 1,3-Dichlorobenzene	5.51	146	1411439	30.849	ug/ml	97
9) 1,4-Dichlorobenzene	5.59	146	1417906	31.528	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	1346967	30.127	ug/ml	97
11) Benzyl alcohol	5.72	108	756852	31.132	ug/ml	94
12) 2,2'-Oxybis(1-chloropr...	5.87	45	2953618	30.107	ug/ml	98
13) 2-Methylphenol	5.83	108	1064201	31.881	ug/ml	98
14) Hexachloroethane	6.15	117	611756	30.716	ug/ml	97
15) N-Nitroso-di-n-propyla...	6.04	70	832889	30.068	ug/ml	97
16) 3-Methylphenol + 4-Met...	6.02	108	1071269	31.053	ug/ml	98
19) Nitrobenzene	6.24	77	1370525	32.111	ug/ml	99
20) Isophorone	6.54	82	2270153	31.925	ug/ml	99
21) 2-Nitrophenol	6.63	139	573268	32.232	ug/ml	91
22) 2,4-Dimethylphenol	6.68	107	1226492	31.388	ug/ml	97
23) Benzoic acid	6.84	122	633483	30.070	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.82	93	1371368	30.726	ug/ml	99
25) 2,4-Dichlorophenol	6.95	162	1040078	31.604	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.08	180	1222107	29.638	ug/ml	98
27] Naphthalene	7.19	128	3724183	30.435	ug/ml	99
28) Hexachlorobutadiene	7.37	225	1001365	31.107	ug/ml	95
29) 4-Chloroaniline	7.27	127	1414002	31.701	ug/ml	98
30) 4-Chloro-3-methylphenol	8.01	107	1037296	31.319	ug/ml	98
31] 2-Methylnaphthalene	8.28	142	2344721	30.083	ug/ml	99
32] 1-Methylnaphthalene	8.45	142	2258629	30.200	ug/ml	100
34) Hexachlorocyclopentadiene	0.00		0	N.D.	d	
35) 2,4,6-Trichlorophenol	8.76	196	896015	34.866	ug/ml	98
36) 2,4,5-Trichlorophenol	8.82	196	896142	33.310	ug/ml	96
38) 2-Chloronaphthalene	9.15	162	2155995	32.666	ug/ml	99
39) 2-Nitroaniline	9.35	65	817978	35.071	ug/ml	97
40) Dimethyl phthalate	9.75	163	2562263	32.961	ug/ml	100
41] Acenaphthylene	9.94	152	3685405	32.510	ug/ml	99
42) 2,6-Dinitrotoluene	9.85	165	528999	30.709	ug/ml	90
43) 3-Nitroaniline	10.18	65	848887	31.978	ug/ml	97
44] Acenaphthene	10.30	153	2499661	31.473	ug/ml	96
45) 2,4-Dinitrophenol	10.39	184	324245	30.117	ug/ml	93
46] Dibenzofuran	10.67	168	4020647	32.126	ug/ml	94
47) 2,4-Dinitrotoluene	0.00		0	N.D.	d	
48) 4-Nitrophenol	10.53	65	526856	29.191	ug/ml	94
49) Diethyl phthalate	11.25	149	2627620	32.246	ug/ml	99
50] Fluorene	11.40	166	2607983	31.827	ug/ml	96
51) 4-Chlorophenyl phenyl ...	11.44	204	1323431	33.206	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	2351406	32.512	ug/ml	98
55) N-Nitrosodiphenylamine	11.71	169	2002348	32.353	ug/ml	98
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	11.55	198	392033	29.503	ug/ml	92
58) 4-Bromophenyl phenyl e...	12.54	248	847677	31.702	ug/ml	93
59) Hexachlorobenzene	12.61	284	989323	30.578	ug/ml	97
60] Pentachlorophenol	13.06	266	794148	34.687	ug/ml	98
61] Phenanthrene	13.55	178	4178162	31.424	ug/ml	99
62] Anthracene	13.67	178	4105255	31.526	ug/ml	99
63] Carbazole	14.07	167	2996833	30.067	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	4212939	29.559	ug/ml	99
65] Fluoranthene	16.36	202	4793162	31.706	ug/ml	99
67) Benzidine	16.78	184	1383090	33.038	ug/ml	96
68] Pyrene	16.90	202	4895103	32.121	ug/ml	95
70) Benzyl butyl phthalate	18.68	149	1861423	36.764	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

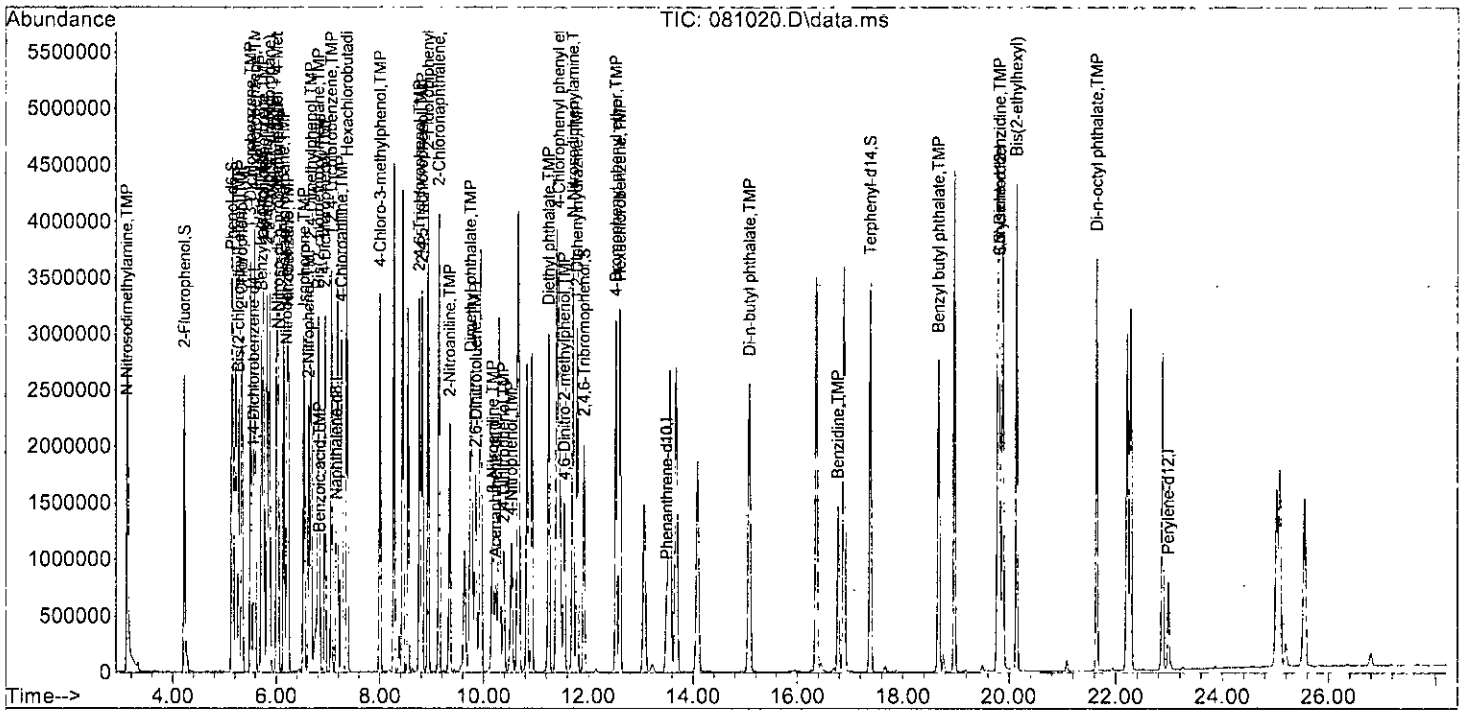
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	776967	27.547	ug/ml	97
72) Benz(a)anthracene	19.80	228	4162416	29.493	ug/ml	98
73) Chrysene	19.88	228	3901562	30.549	ug/ml	98
74) Bis(2-ethylhexyl) phth...	20.14	149	2340580	32.675	ug/ml	99
76) Di-n-octyl phthalate	21.65	149	3897677	29.894	ug/ml	98
77) Benzo(a)pyrene	22.88	252	2996111	33.015	ug/ml	100
78) Benzo(b)fluoranthene	22.22	252	3659974	32.842	ug/ml	99
79) Benzo(k)fluoranthene	22.28	252	3476759	32.474	ug/ml	99
80) Indeno(1,2,3-cd)pyrene	25.02	276	2440083m	32.701	ug/ml	
81) Dibenz(a,h)anthracene	25.08	278	2480578	33.267	ug/ml	100
82) Benzo(g,h,i)perylene	25.55	276	2419124	31.051	ug/ml	99

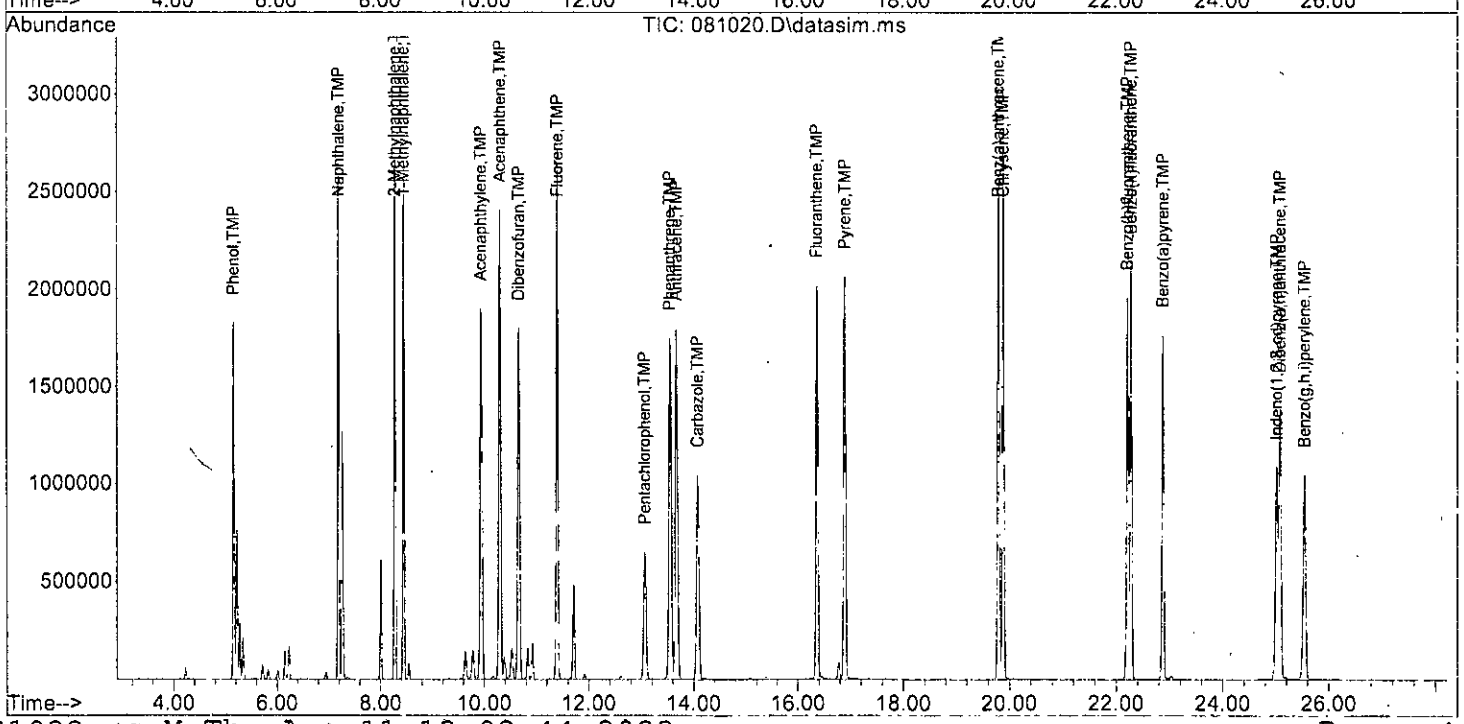
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

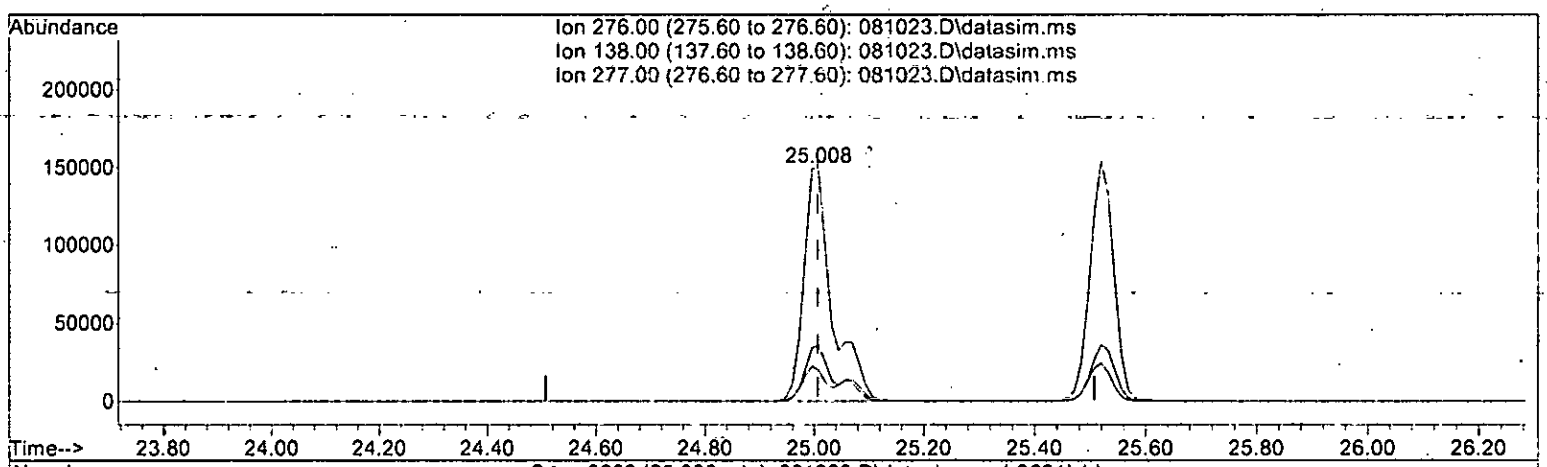


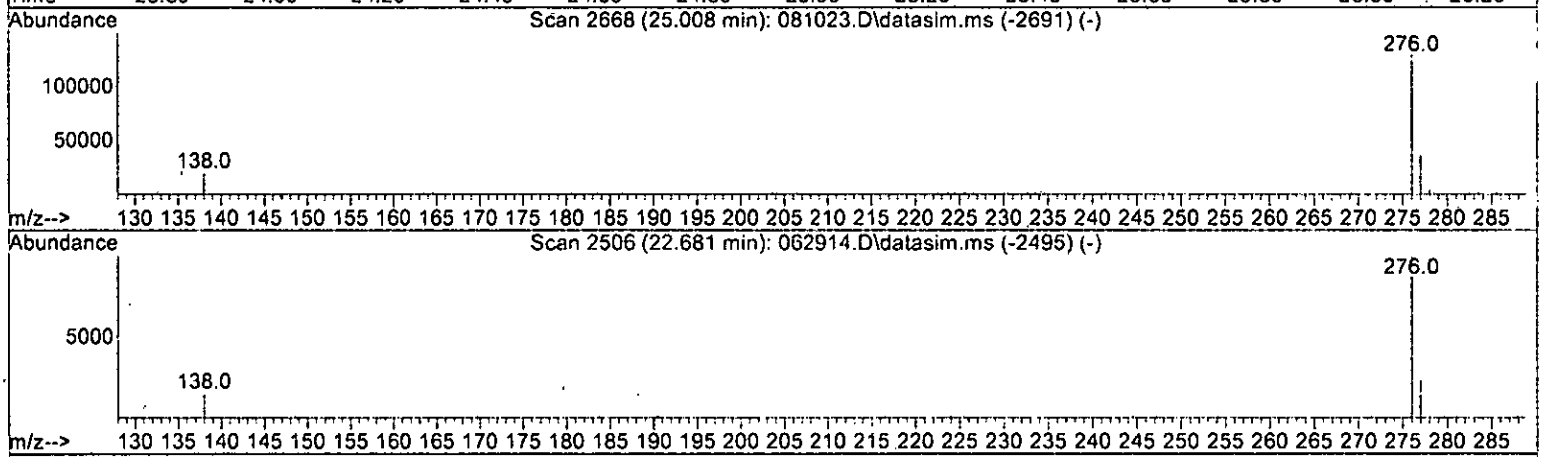


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:07 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081023.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 6.209 ug/ml

response 550127

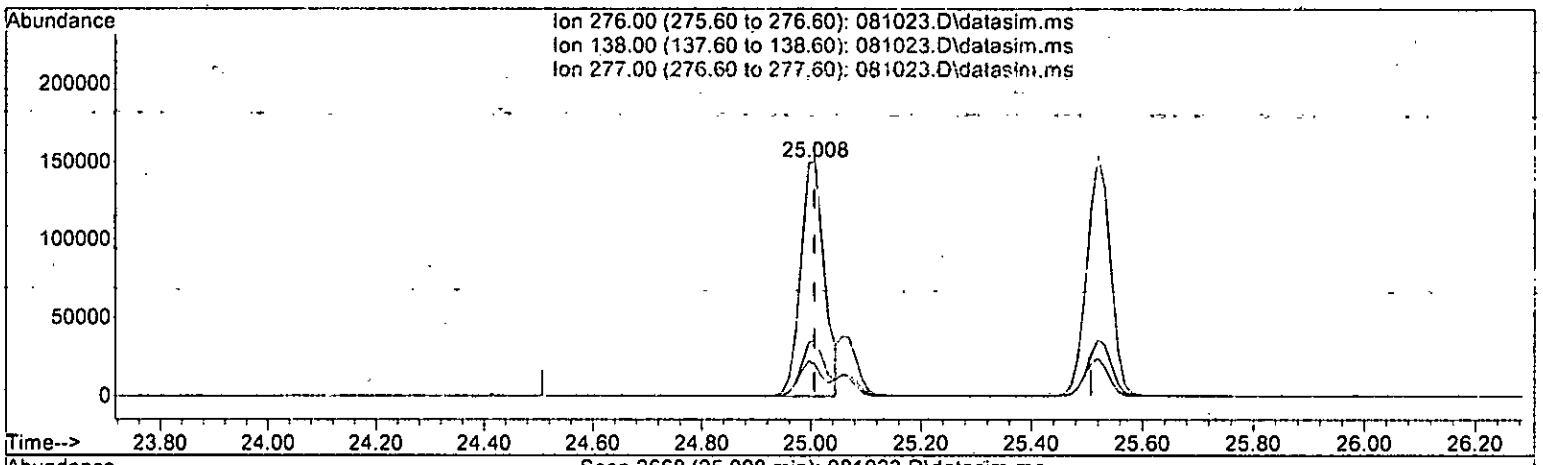
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.39
277.00	24.10	24.03
0.00	0.00	0.00

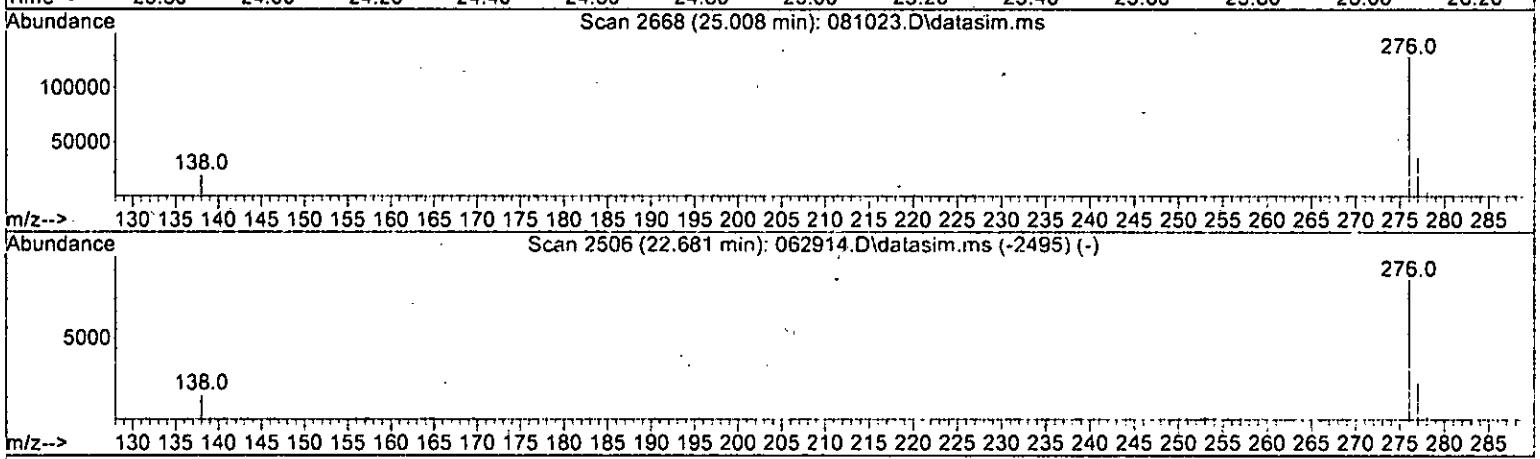
8/11

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:07 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081023.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 5.212 ug/ml m

response 461792

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.43
277.00	24.10	24.07
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	117	0.00
2	TMP	N-Nitrosodimethylamine	5.000	4.675	6.5	115	0.00
3	S	2-Fluorophenol	5.000	5.083	-1.7	127	0.00
4	S	Phenol-d6	5.000	4.895	2.1	115	0.00
5	TMP	Phenol	5.000	4.745	5.1	116	0.00
6	TMP	Bis(2-chloroethyl) ether	5.000	4.723	5.5	118	0.00
7	TMP	2-Chlorophenol	5.000	4.885	2.3	119	0.00
8	TMP	1,3-Dichlorobenzene	5.000	4.814	3.7	118	0.00
9	TMP	1,4-Dichlorobenzene	5.000	4.747	5.1	112	0.00
10	TMP	1,2-Dichlorobenzene	5.000	4.620	7.6	112	0.00
11	TMP	Benzyl alcohol	5.000	4.881	2.4	120	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	4.726	5.5	116	0.00
13	TMP	2-Methylphenol	5.000	4.810	3.8	114	0.00
14	TMP	Hexachloroethane	5.000	4.950	1.0	126	0.00
15	TMP	N-Nitroso-di-n-propylamine	5.000	4.598	8.0	116	0.00
16	TMP	3-Methylphenol + 4-Methylph	5.000	4.829	3.4	117	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	126	0.00
18	S	Nitrobenzene-d5	5.000	4.988	0.2	125	0.00
19	TMP	Nitrobenzene	5.000	4.702	6.0	114	0.00
20	TMP	Isophorone	5.000	4.683	6.3	118	0.00
21	TMP	2-Nitrophenol	5.000	4.808	3.8	131	0.00
22	TMP	2,4-Dimethylphenol	5.000	4.684	6.3	121	0.00
23	TMP	Benzoic acid	5.000	4.789	4.2	117	0.00
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.779	4.4	121	0.00
25	TMP	2,4-Dichlorophenol	5.000	4.717	5.7	118	0.00
26	TMP	1,2,4-Trichlorobenzene	5.000	4.858	2.8	122	0.00
27	TMP	Naphthalene	5.000	4.717	5.7	120	0.00
28	TMP	Hexachlorobutadiene	5.000	4.685	6.3	119	0.00
29	TMP	4-Chloroaniline	5.000	4.623	7.5	118	0.00
30	TMP	4-Chloro-3-methylphenol	5.000	4.639	7.2	119	0.00
31	TMP	2-Methylnaphthalene	5.000	4.796	4.1	120	0.00
32	TMP	1-Methylnaphthalene	5.000	4.781	4.4	120	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	121	0.00
34	TMP	Hexachlorocyclopentadiene	5.000	5.484	-9.7	126	0.00
35	TMP	2,4,6-Trichlorophenol	5.000	5.007	-0.1	126	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	5.000	4.964	0.7	121	0.00
37	S	2-Fluorobiphenyl	5.000	5.441	-8.8	133	0.00
38	TMP	2-Chloronaphthalene	5.000	4.916	1.7	122	0.00
39	TMP	2-Nitroaniline	5.000	4.854	2.9	125	0.00
40	TMP	Dimethyl phthalate	5.000	4.935	1.3	123	0.00
41	TMP	Acenaphthylene	5.000	4.994	0.1	119	0.00
42	TMP	2,6-Dinitrotoluene	5.000	4.903	1.9	117	0.00
43	TMP	3-Nitroaniline	5.000	5.096	-1.9	121	0.00
44	TMP	Acenaphthene	5.000	4.896	2.1	120	0.00
45	TMP	2,4-Dinitrophenol	5.000	4.544	9.1	120	0.00
46	TMP	Dibenzofuran	5.000	5.094	-1.9	120	-0.01
47	TMP	2,4-Dinitrotoluene	5.000	5.293	-5.9	128	-0.01
48	TMP	4-Nitrophenol	5.000	4.932	1.4	125	0.00
49	TMP	Diethyl phthalate	5.000	4.892	2.2	119	0.00
50	TMP	Fluorene	5.000	4.974	0.5	120	0.00
51	TMP	4-Chlorophenyl phenyl ether	5.000	4.822	3.6	112	0.00
52	TMP	1,2-Diphenylhydrazine	5.000	4.908	1.8	122	0.00
53	S	2,4,6-Tribromophenol	5.000	5.149	-3.0	131	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	127	0.00
55	TMP	N-Nitrosodiphenylamine	5.000	4.740	5.2	118	0.00
56	TMP	4-Nitroaniline	5.000	5.091	-1.8	131	0.00
57	TMP	4,6-Dinitro-2-methylphenol	5.000	5.043	-0.9	123	0.00
58	TMP	4-Bromophenyl phenyl ether	5.000	4.829	3.4	120	0.00
59	TMP	Hexachlorobenzene	5.000	4.953	0.9	120	0.00
60	TMP	Pentachlorophenol	5.000	4.812	3.8	125	0.00
61	TMP	Phenanthrene	5.000	4.874	2.5	120	0.00
62	TMP	Anthracene	5.000	4.984	0.3	121	0.00
63	TMP	Carbazole	5.000	4.906	1.9	119	-0.02
64	TMP	Di-n-butyl phthalate	5.000	5.236	-4.7	110	0.00
65	TMP	Fluoranthene	5.000	5.116	-2.3	124	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	123	0.00
67	TMP	Benzidine	5.000	4.689	6.2	126	0.00
68	TMP	Pyrene	5.000	5.068	-1.4	123	0.00
69	S	Terphenyl-d14	5.000	5.275	-5.5	132	0.00
70	TMP	Benzyl butyl phthalate	5.000	4.803	3.9	122	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	5.000	5.046	-0.9	122	0.00
72	TMP	Benz(a)anthracene	5.000	4.989	0.2	120	0.00
73	TMP	Chrysene	5.000	4.851	3.0	118	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.814	3.7	123	0.00
75	I	Perylene-d12	8.000	8.000	0.0	112	0.00
76	TMP	Di-n-octyl phthalate	5.000	5.167	-3.3	118	0.00
77	TMP	Benzo(a)pyrene	5.000	4.884	2.3	108	0.00
78	TMP	Benzo(b)fluoranthene	5.000	4.912	1.8	111	0.00
79	TMP	Benzo(k)fluoranthene	5.000	4.907	1.9	107	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	5.212	-4.2	115	0.00
81	TMP	Dibenz(a,h)anthracene	5.000	5.081	-1.6	112	0.00
82	TMP	Benzo(g,h,i)perylene	5.000	4.937	1.3	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.619	6.5	115	0.00
3	S	2-Fluorophenol	1.064	1.082	-1.7	127	0.00
4	S	Phenol-d6	1.279	1.252	2.1	115	0.00
5	TMP	Phenol	1.625	1.542	5.1	116	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.185	5.5	118	0.00
7	TMP	2-Chlorophenol	1.210	1.182	2.3	119	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.392	3.7	118	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.349	5.1	112	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.305	7.6	112	0.00
11	TMP	Benzyl alcohol	0.768	0.750	2.3	120	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	2.930	5.5	116	0.00
13	TMP	2-Methylphenol	1.055	1.015	3.8	114	0.00
14	TMP	Hexachloroethane	0.629	0.623	1.0	126	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.805	8.0	116	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.053	3.4	117	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	126	0.00
18	S	Nitrobenzene-d5	0.401	0.400	0.2	125	0.00
19	TMP	Nitrobenzene	0.414	0.390	5.8	114	0.00
20	TMP	Isophorone	0.690	0.647	6.2	118	0.00
21	TMP	2-Nitrophenol	0.173	0.166	4.0	131	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.355	6.3	121	0.00
23	TMP	Benzoic acid	0.178	0.116	34.8#	117	0.00
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.414	4.4	121	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.301	5.6	118	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.389	2.8	122	0.00
27	TMP	Naphthalene	1.188	1.121	5.6	120	0.00
28	TMP	Hexachlorobutadiene	0.313	0.293	6.4	119	0.00
29	TMP	4-Chloroaniline	0.433	0.400	7.6	118	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.298	7.5	119	0.00
31	TMP	2-Methylnaphthalene	0.757	0.726	4.1	120	0.00
32	TMP	1-Methylnaphthalene	0.726	0.694	4.4	120	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.590	-9.7	126	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.482	0.0	126	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.501	0.6	121	0.00
37	S	2-Fluorobiphenyl	1.406	1.530	-8.8	133	0.00
38	TMP	2-Chloronaphthalene	1.237	1.216	1.7	122	0.00
39	TMP	2-Nitroaniline	0.437	0.424	3.0	125	0.00
40	TMP	Dimethyl phthalate	1.457	1.438	1.3	123	0.00
41	TMP	Acenaphthylene	2.125	2.122	0.1	119	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.272	-3.0	117	0.00
43	TMP	3-Nitroaniline	0.498	0.507	-1.8	121	0.00
44	TMP	Acenaphthene	1.489	1.458	2.1	120	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.137	13.8	120	0.00
46	TMP	Dibenzofuran	2.346	2.390	-1.9	120	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.395	-5.9	128	-0.01
48	TMP	4-Nitrophenol	0.297	0.275	7.4	125	0.00
49	TMP	Diethyl phthalate	1.527	1.494	2.2	119	0.00
50	TMP	Fluorene	1.536	1.528	0.5	120	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.720	3.6	112	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.331	1.8	122	0.00
53	S	2,4,6-Tribromophenol	0.293	0.302	-3.1	131	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	127	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.530	5.4	118	0.00
56	TMP	4-Nitroaniline	0.087	0.089	-2.3	131	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.099	2.0	123	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.233	3.7	120	0.00
59	TMP	Hexachlorobenzene	0.293	0.290	1.0	120	0.00
60	TMP	Pentachlorophenol	0.207	0.199	3.9	125	0.00
61	TMP	Phenanthrene	1.202	1.172	2.5	120	0.00
62	TMP	Anthracene	1.177	1.173	0.3	121	0.00
63	TMP	Carbazole	0.901	0.884	1.9	119	-0.02
64	TMP	Di-n-butyl phthalate	1.289	1.349	-4.7	110	0.00
65	TMP	Fluoranthene	1.367	1.398	-2.3	124	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	123	0.00
67	TMP	Benzidine	0.460	0.431	6.3	126	0.00
68	TMP	Pyrene	1.674	1.697	-1.4	123	0.00
69	S	Terphenyl-d14	1.068	1.127	-5.5	132	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.534	4.0	122	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.313	-1.0	122	0.00
72	TMP	Benz(a)anthracene	1.637	1.432	12.5	120	0.00
73	TMP	Chrysene	1.403	1.361	3.0	118	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.757	3.8	123	0.00
75	I	Perylene-d12	1.000	1.000	0.0	112	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.318	7.4	118	0.00
77	TMP	Benzo(a)pyrene	1.223	1.195	2.3	108	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.476	1.7	111	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.416	1.9	107	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.048	-4.2	115	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.021	-1.6	112	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.037	1.2	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.56	152	263964	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	883331	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	481781	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	1023983	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	866511	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	704794	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	178454	5.083	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 33.87%			
4) Phenol-d6	5.13	99	206561	4.895	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.67%			
18) Nitrobenzene-d5	6.20	82	220877	4.988	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 49.90%			
37) 2-Fluorobiphenyl	8.93	172	460771	5.441	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 54.40%			
53) 2,4,6-Tribromophenol	11.91	330	90797	5.149	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 34.33%			
69) Terphenyl-d14	17.38	244	610473	5.275	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 52.70%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	102167	4.675	ug/ml	99
5) Phenol	5.15	94	254447	4.745	ug/ml	97
6) Bis(2-chloroethyl) ether	5.27	63	195439	4.723	ug/ml	99
7) 2-Chlorophenol	5.33	128	194993	4.885	ug/ml	91
8) 1,3-Dichlorobenzene	5.51	146	229626	4.814	ug/ml	98
9) 1,4-Dichlorobenzene	5.58	146	222557	4.747	ug/ml	92
10) 1,2-Dichlorobenzene	5.75	146	215364	4.620	ug/ml	95
11) Benzyl alcohol	5.70	108	123707	4.881	ug/ml	88
12) 2,2'-Oxybis(1-chloropr...	5.86	45	483391	4.726	ug/ml	99
13) 2-Methylphenol	5.82	108	167375	4.810	ug/ml	98
14) Hexachloroethane	6.14	117	102788	4.950	ug/ml	96
15) N-Nitroso-di-n-propyla...	6.02	70	132774	4.598	ug/ml	99
16) 3-Methylphenol + 4-Met...	6.00	108	173668	4.829	ug/ml	96
19) Nitrobenzene	6.22	77	215099	4.702	ug/ml	99
20) Isophorone	6.52	82	356976	4.683	ug/ml	99
21) 2-Nitrophenol	6.62	139	91658	4.808	ug/ml	87
22) 2,4-Dimethylphenol	6.66	107	196172	4.684	ug/ml	99
23) Benzoic acid	6.73	122	63932	4.789	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.81	93	228635	4.779	ug/ml	99
25)	2,4-Dichlorophenol	6.94	162	166378	4.717	ug/ml	98
26)	1,2,4-Trichlorobenzene	7.07	180	214714	4.858	ug/ml	100
27]	Naphthalene	7.18	128	618680	4.717	ug/ml	99
28)	Hexachlorobutadiene	7.37	225	161652	4.685	ug/ml	95
29)	4-Chloroaniline	7.25	127	221053	4.623	ug/ml	98
30)	4-Chloro-3-methylphenol	8.00	107	164692	4.639	ug/ml	96
31]	2-Methylnaphthalene	8.27	142	400657	4.796	ug/ml	97
32]	1-Methylnaphthalene	8.44	142	383305	4.781	ug/ml	96
34)	Hexachlorocyclopentadiene	8.54	237	177716	5.484	ug/ml	95
35)	2,4,6-Trichlorophenol	8.76	196	145225	5.007	ug/ml	99
36)	2,4,5-Trichlorophenol	8.81	196	150750	4.964	ug/ml	90
38)	2-Chloronaphthalene	9.14	162	366221	4.916	ug/ml	97
39)	2-Nitroaniline	9.33	65	127789	4.854	ug/ml	94
40)	Dimethyl phthalate	9.74	163	433057	4.935	ug/ml	97
41]	Acenaphthylene	9.93	152	639010	4.994	ug/ml	100
42)	2,6-Dinitrotoluene	9.83	165	81789	4.903	ug/ml	94
43)	3-Nitroaniline	10.15	65	152684	5.096	ug/ml	98
44]	Acenaphthene	10.28	153	438874	4.896	ug/ml	99
45)	2,4-Dinitrophenol	10.37	184	41121	4.544	ug/ml	90
46]	Dibenzofuran	10.65	168	719625	5.094	ug/ml	83
47)	2,4-Dinitrotoluene	10.65	165	119001	5.293	ug/ml	97
48)	4-Nitrophenol	10.51	65	82677	4.932	ug/ml	97
49)	Diethyl phthalate	11.23	149	449990	4.892	ug/ml	98
50]	Fluorene	11.39	166	460038	4.974	ug/ml	98
51)	4-Chlorophenyl phenyl ...	11.43	204	216898	4.822	ug/ml	95
52)	1,2-Diphenylhydrazine	11.77	77	400657	4.908	ug/ml	96
55)	N-Nitrosodiphenylamine	11.70	169	339496	4.740	ug/ml	97
56)	4-Nitroaniline	11.44	138	56744	5.091	ug/ml	91
57)	4,6-Dinitro-2-methylph...	11.52	198	63077	5.043	ug/ml	91
58)	4-Bromophenyl phenyl e...	12.52	248	149435	4.829	ug/ml	96
59)	Hexachlorobenzene	12.59	284	185438	4.953	ug/ml	98
60]	Pentachlorophenol	13.06	266	127486	4.812	ug/ml	100
61]	Phenanthrene	13.54	178	749951	4.874	ug/ml	100
62]	Anthracene	13.65	178	751026	4.984	ug/ml	100
63]	Carbazole	14.06	167	565918	4.906	ug/ml	98
64)	Di-n-butyl phthalate	15.07	149	863590	5.236	ug/ml	97
65]	Fluoranthene	16.35	202	895001	5.116	ug/ml	99
67)	Benzidine	16.77	184	233512	4.689	ug/ml	92
68]	Pyrene	16.87	202	918846	5.068	ug/ml	99
70)	Benzyl butyl phthalate	18.67	149	289283	4.803	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

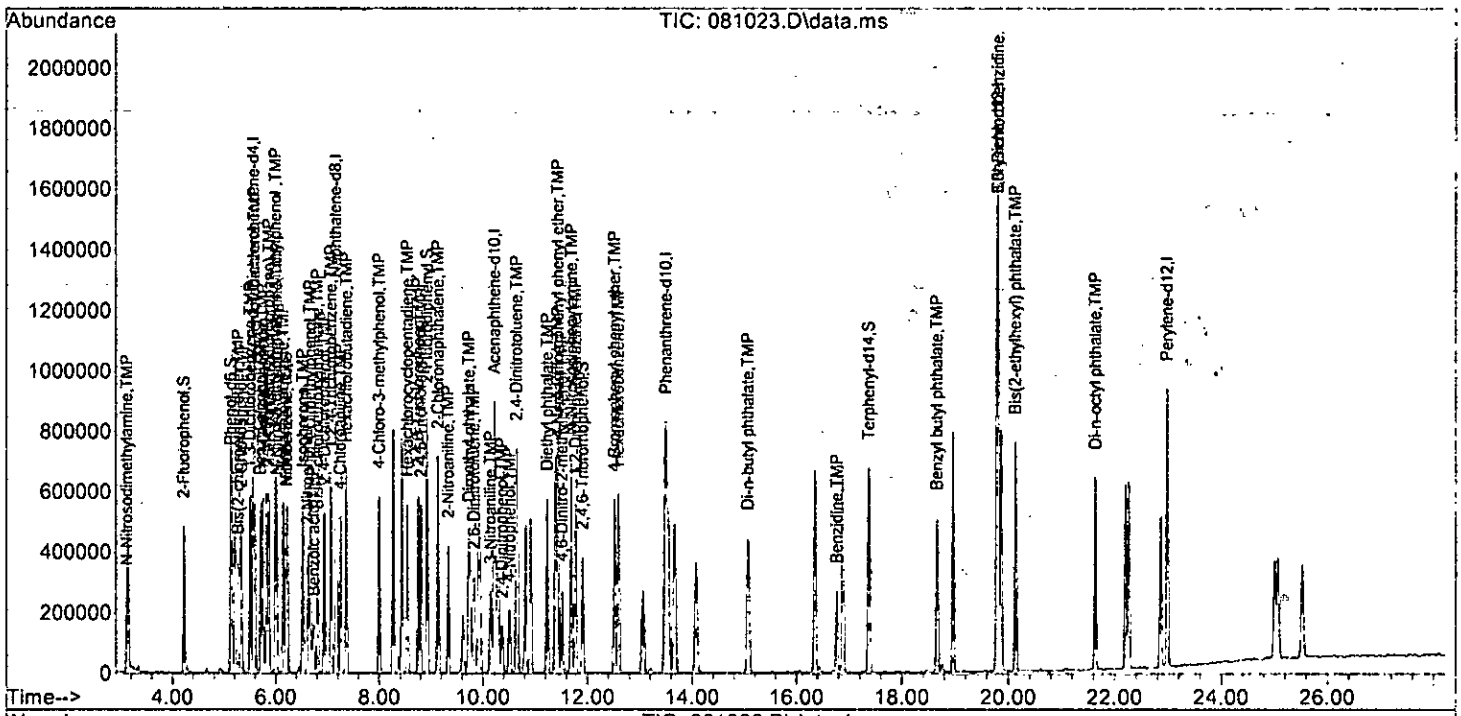
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	169323	5.046	ug/ml	98
72] Benz(a)anthracene	19.79	228	775607	4.989	ug/ml	100
73] Chrysene	19.87	228	737129	4.851	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	410212	4.814	ug/ml	98
76) Di-n-octyl phthalate	21.64	149	580462	5.167	ug/ml	97
77] Benzo(a)pyrene	22.87	252	526255	4.884	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	650013	4.912	ug/ml	100
79] Benzo(k)fluoranthene	22.26	252	623854	4.907	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	461792m	5.212	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	449900	5.081	ug/ml	99
82] Benzo(g,h,i)perylene	25.52	276	456714	4.937	ug/ml	100

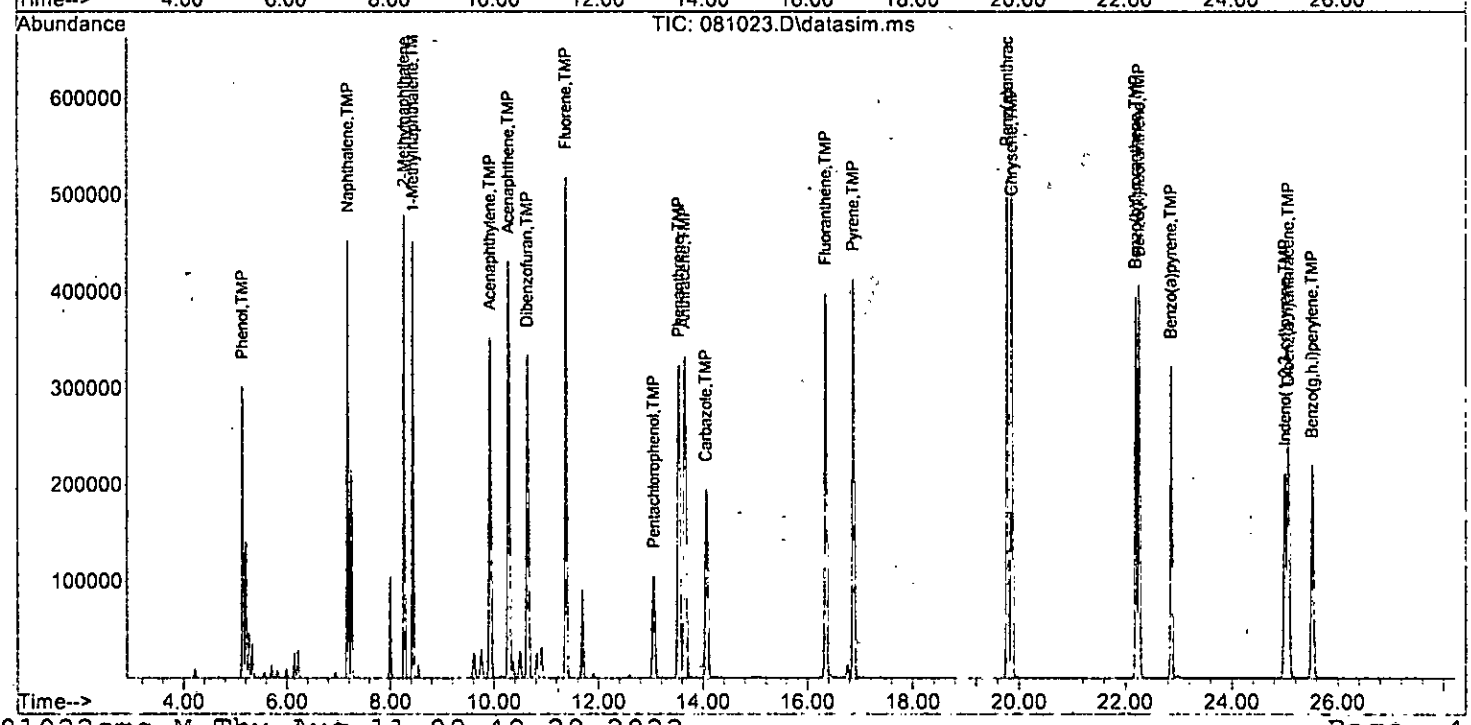
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

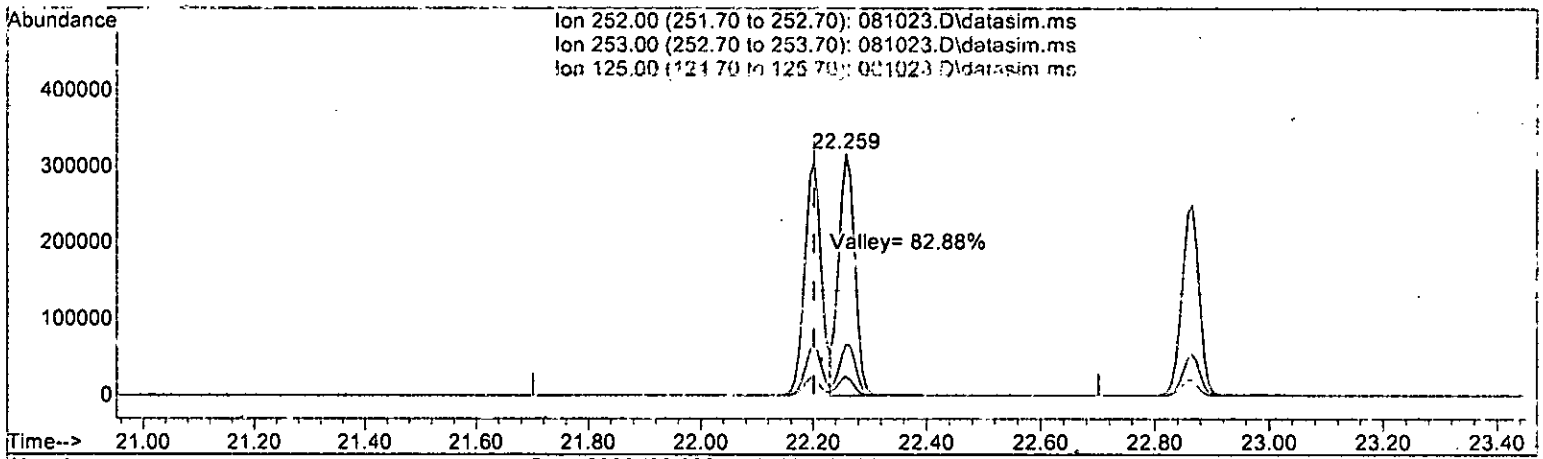


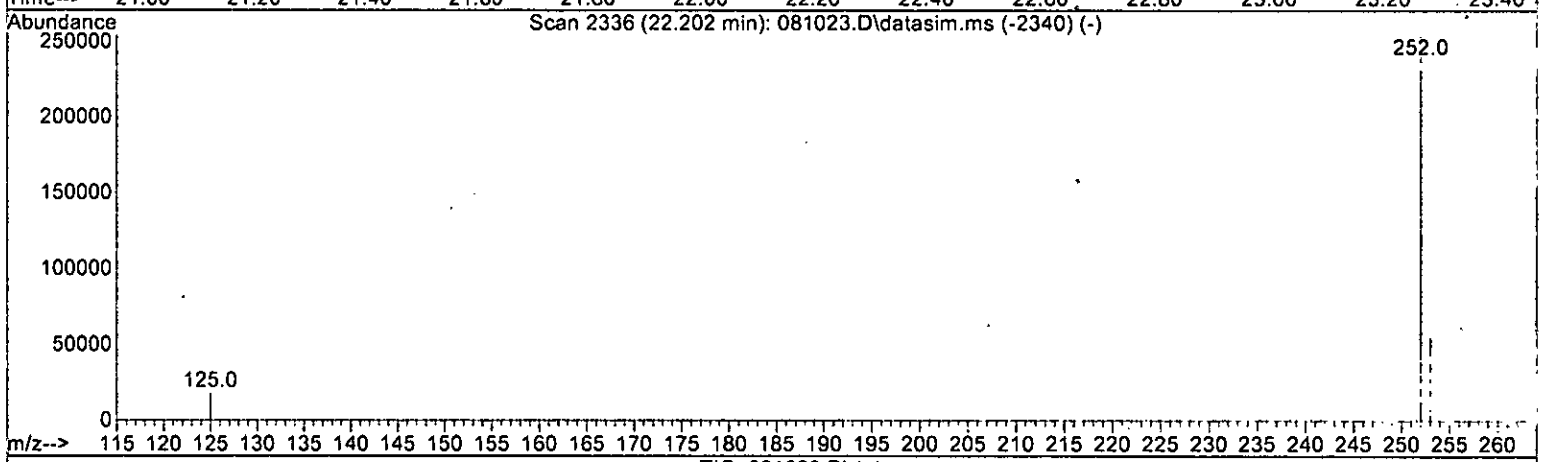


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081023.D\data.ms

(78) Benzo(b)fluoranthene (TMP)

22.202min (-0.000) 4.912 ug/ml

response 650013

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	21.79
125.00	7.60	7.38
0.00	0.00	0.00

EPA 8270E
CCV Summaries

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

VM

AUG 25 2022

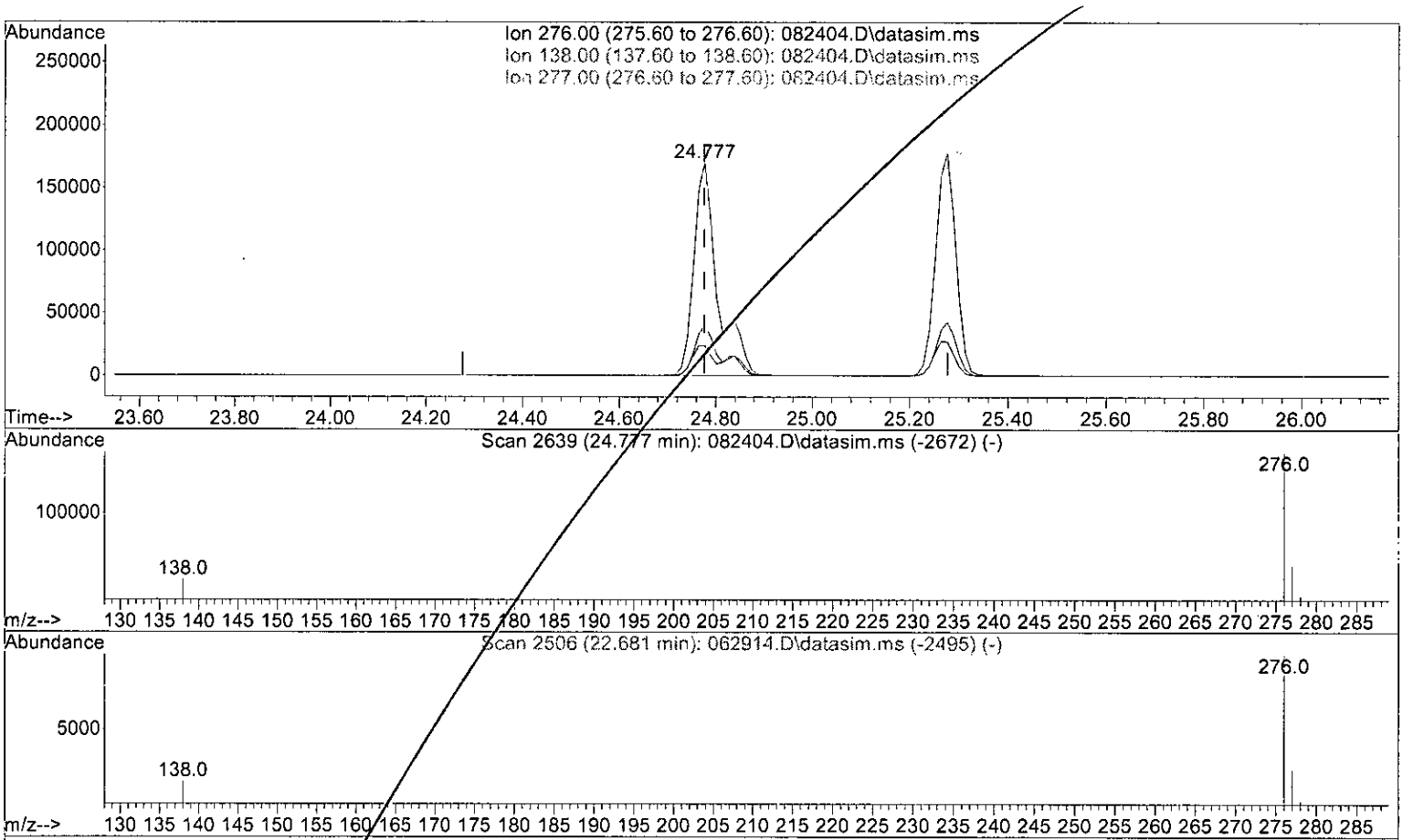
Quant Time: Aug 24 16:28:28 2022
Quant Method : D:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	235059	8.000	ug/ml	-0.12
17) Naphthalene-d8	7.02	136	776669	8.000	ug/ml	-0.14
33) Acenaphthene-d10	10.05	164	442639	8.000	ug/ml	-0.17
54) Phenanthrene-d10	13.30	188	909849	8.000	ug/ml	-0.20
66) Chrysene-d12	19.61	240	799122	8.000	ug/ml	-0.20
75) Perylene-d12	22.78	264	727982	8.000	ug/ml	-0.21
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	155552	4.976	ug/ml	-0.11
Spiked Amount 15.000	Range 10 - 60		Recovery =	33.20%		
4) Phenol-d6	5.02	99	186681	4.968	ug/ml	-0.11
Spiked Amount 15.000	Range 10 - 49		Recovery =	33.13%		
18) Nitrobenzene-d5	6.08	82	190050	4.881	ug/ml	-0.12
Spiked Amount 10.000	Range 15 - 144		Recovery =	48.80%		
37) 2-Fluorobiphenyl	8.77	172	397075	5.103	ug/ml	-0.16
Spiked Amount 10.000	Range 25 - 128		Recovery =	51.00%		
53) 2,4,6-Tribromophenol	11.73	330	76197	4.703	ug/ml	-0.18
Spiked Amount 15.000	Range 10 - 142		Recovery =	31.33%		
69) Terphenyl-d14	17.19	244	490258	4.593	ug/ml	-0.19
Spiked Amount 10.000	Range 41 - 138		Recovery =	45.90%		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.01	74	100265	5.152	ug/ml	93
5) Phenol	5.04	94	240802	5.043	ug/ml	100
6) Bis(2-chloroethyl) ether	5.16	63	191191	5.189	ug/ml	98
7) 2-Chlorophenol	5.22	128	178748	5.029	ug/ml	99
8) 1,3-Dichlorobenzene	5.38	146	202835	4.775	ug/ml	96
9) 1,4-Dichlorobenzene	5.47	146	216404	5.183	ug/ml	99
10) 1,2-Dichlorobenzene	5.63	146	204234	4.920	ug/ml	95
11) Benzyl alcohol	5.60	108	105748	4.685	ug/ml	96
12) 2,2'-Oxybis(1-chloropr...	5.75	45	451775	4.960	ug/ml	97
13) 2-Methylphenol	5.70	108	159213	5.138	ug/ml	96
14) Hexachloroethane	6.02	117	92696	5.013	ug/ml	93
15) N-Nitroso-di-n-propyla...	5.90	70	130440	5.072	ug/ml	92
16) 3-Methylphenol + 4-Met...	5.88	108	167348	5.225	ug/ml	98
19) Nitrobenzene	6.10	77	198339	4.931	ug/ml	98
20) Isophorone	6.40	82	334186	4.987	ug/ml	99
21) 2-Nitrophenol	6.50	139	82029	4.894	ug/ml	91
22) 2,4-Dimethylphenol	6.54	107	175322	4.761	ug/ml	97
23) Benzoic acid	6.61	122	54757	4.716	ug/ml#	79
24) Bis(2-chloroethoxy)met...	6.68	93	202696	4.819	ug/ml	99
25) 2,4-Dichlorophenol	6.80	162	156604	5.049	ug/ml	95
26) 1,2,4-Trichlorobenzene	6.93	180	195190	5.023	ug/ml	99
27) Naphthalene	7.04	128	575705	4.992	ug/ml	99
28) Hexachlorobutadiene	7.22	225	152785	5.036	ug/ml	94
29) 4-Chloroaniline	7.12	127	194777	4.633	ug/ml	95
30) 4-Chloro-3-methylphenol	7.86	107	148045	4.743	ug/ml	95

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:56:45 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082404.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.777min (0.000) 6.424 ug/ml

response 587934

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.04
277.00	24.10	23.51
0.00	0.00	0.00

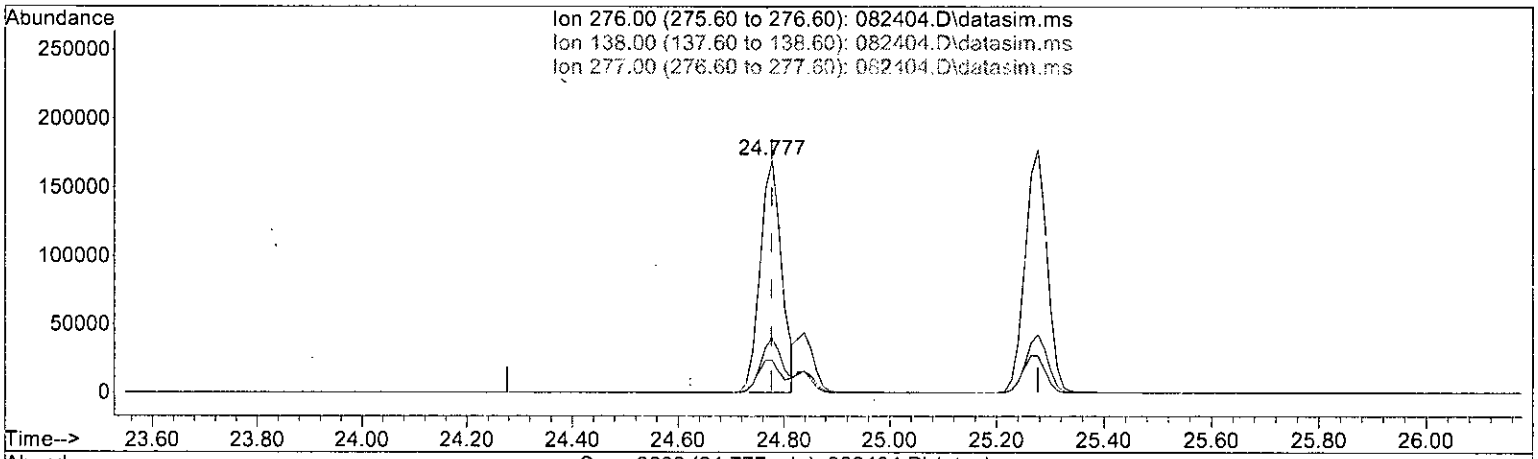
VM

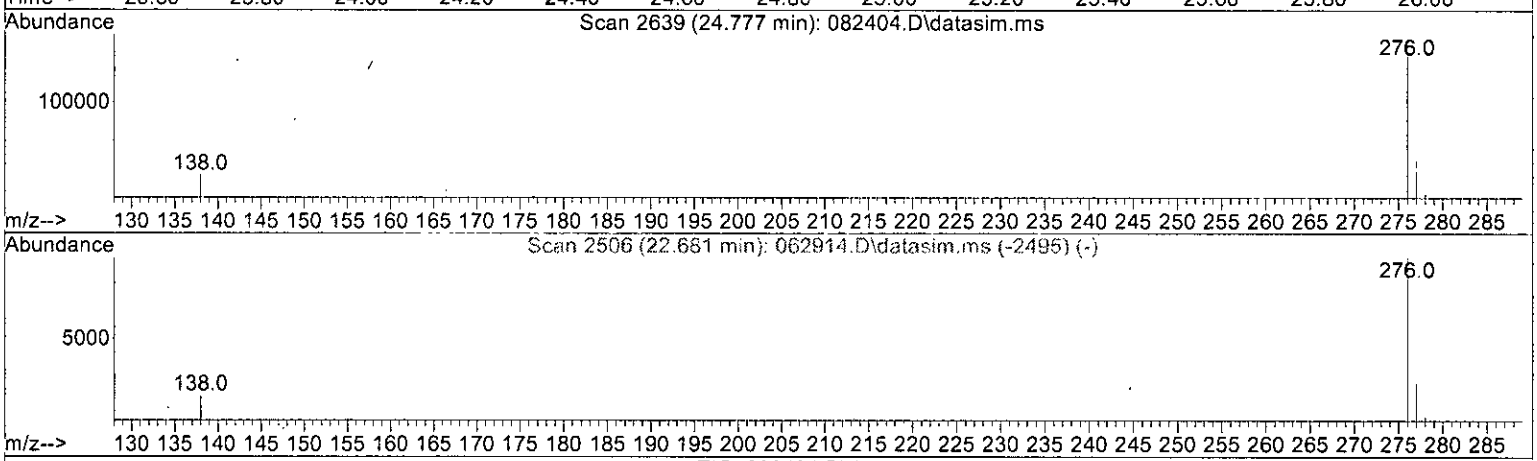
AUG 25 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:56:45 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 082404.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.777min (0.000) 5.282 ug/ml m

response 483358

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.07
277.00	24.10	23.54
0.00	0.00	0.00

VM

AUG 25 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	235059	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	776669	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	442639	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.30	188	909849	8.000	ug/ml	0.00
66) Chrysene-d12	19.61	240	799122	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	727982	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	155552	4.976	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 33.20%			
4) Phenol-d6	5.02	99	186681	4.968	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 33.13%			
18) Nitrobenzene-d5	6.08	82	190050	4.881	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 48.80%			
37) 2-Fluorobiphenyl	8.77	172	397075	5.103	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 51.00%			
53) 2,4,6-Tribromophenol	11.73	330	76197	4.703	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 31.33%			
69) Terphenyl-d14	17.19	244	490258	4.593	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 45.90%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.01	74	100265	5.152	ug/ml	93
5] Phenol	5.04	94	240802	5.043	ug/ml	100
6) Bis(2-chloroethyl) ether	5.16	63	191191	5.189	ug/ml	98
7) 2-Chlorophenol	5.22	128	178748	5.029	ug/ml	99
8) 1,3-Dichlorobenzene	5.38	146	202835	4.775	ug/ml	96
9) 1,4-Dichlorobenzene	5.47	146	216404	5.183	ug/ml	99
10) 1,2-Dichlorobenzene	5.63	146	204234	4.920	ug/ml	95
11) Benzyl alcohol	5.60	108	105748	4.685	ug/ml	96
12) 2,2'-Oxybis(1-chloropr...	5.75	45	451775	4.960	ug/ml	97
13) 2-Methylphenol	5.70	108	159213	5.138	ug/ml	96
14) Hexachloroethane	6.02	117	92696	5.013	ug/ml	93
15) N-Nitroso-di-n-propyla...	5.90	70	130440	5.072	ug/ml	92
16) 3-Methylphenol + 4-Met...	5.88	108	167348	5.225	ug/ml	98
19) Nitrobenzene	6.10	77	198339	4.931	ug/ml	98
20) Isophorone	6.40	82	334186	4.987	ug/ml	99
21) 2-Nitrophenol	6.50	139	82029	4.894	ug/ml	91
22) 2,4-Dimethylphenol	6.54	107	175322	4.761	ug/ml	97
23) Benzoic acid	6.61	122	54757	4.716	ug/ml#	79

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.68	93	202696	4.819 ug/ml	99
25) 2,4-Dichlorophenol	6.80	162	156604	5.049 ug/ml	95
26) 1,2,4-Trichlorobenzene	6.93	180	195190	5.023 ug/ml	99
27] Naphthalene	7.04	128	575705	4.992 ug/ml	99
28) Hexachlorobutadiene	7.22	225	152785	5.036 ug/ml	94
29) 4-Chloroaniline	7.12	127	194777	4.633 ug/ml	95
30) 4-Chloro-3-methylphenol	7.86	107	148045	4.743 ug/ml	95
31] 2-Methylnaphthalene	8.12	142	374124	5.093 ug/ml	99
32] 1-Methylnaphthalene	8.28	142	360753	5.118 ug/ml	98
34) Hexachlorocyclopentadiene	8.39	237	134582	4.520 ug/ml	97
35) 2,4,6-Trichlorophenol	8.60	196	128917	4.837 ug/ml	96
36) 2,4,5-Trichlorophenol	8.66	196	130167	4.666 ug/ml	99
38) 2-Chloronaphthalene	8.97	162	339999	4.968 ug/ml	98
39) 2-Nitroaniline	9.17	65	109121	4.512 ug/ml	97
40) Dimethyl phthalate	9.57	163	403334	5.003 ug/ml	98
41] Acenaphthylene	9.76	152	603915	5.137 ug/ml	99
42) 2,6-Dinitrotoluene	9.67	165	80888	5.257 ug/ml	90
43) 3-Nitroaniline	9.98	65	136728	4.967 ug/ml	93
44] Acenaphthene	10.12	153	416531	5.057 ug/ml	96
45) 2,4-Dinitrophenol	10.20	184	32768	4.033 ug/ml	97
46] Dibenzofuran	10.48	168	661316	5.095 ug/ml	98
47) 2,4-Dinitrotoluene	10.48	165	101141	4.897 ug/ml	97
48) 4-Nitrophenol	10.36	65	69682	4.547 ug/ml	94
49) Diethyl phthalate	11.06	149	426113	5.043 ug/ml	98
50] Fluorene	11.21	166	432202	5.086 ug/ml	95
51) 4-Chlorophenyl phenyl ...	11.26	204	208430	5.043 ug/ml	99
52) 1,2-Diphenylhydrazine	11.60	77	370526	4.940 ug/ml	98
55) N-Nitrosodiphenylamine	11.52	169	306639	4.818 ug/ml	99
56) 4-Nitroaniline	11.26	138	48923	4.940 ug/ml	95
57) 4,6-Dinitro-2-methylph...	11.35	198	50908	4.630 ug/ml	90
58) 4-Bromophenyl phenyl e...	12.34	248	134215	4.881 ug/ml	97
59) Hexachlorobenzene	12.41	284	167440	5.033 ug/ml	97
60] Pentachlorophenol	12.88	266	100942	4.288 ug/ml	99
61] Phenanthrene	13.35	178	688819	5.038 ug/ml	99
62] Anthracene	13.47	178	685720	5.121 ug/ml	98
63] Carbazole	13.87	167	535264	5.223 ug/ml	99
64) Di-n-butyl phthalate	14.88	149	642286	4.382 ug/ml	98
65] Fluoranthene	16.15	202	793730	5.106 ug/ml	99
67) Benzidine	16.58	184	222672	4.848 ug/ml	95
68] Pyrene	16.67	202	827668	4.950 ug/ml	98
70) Benzyl butyl phthalate	18.48	149	249914	4.499 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

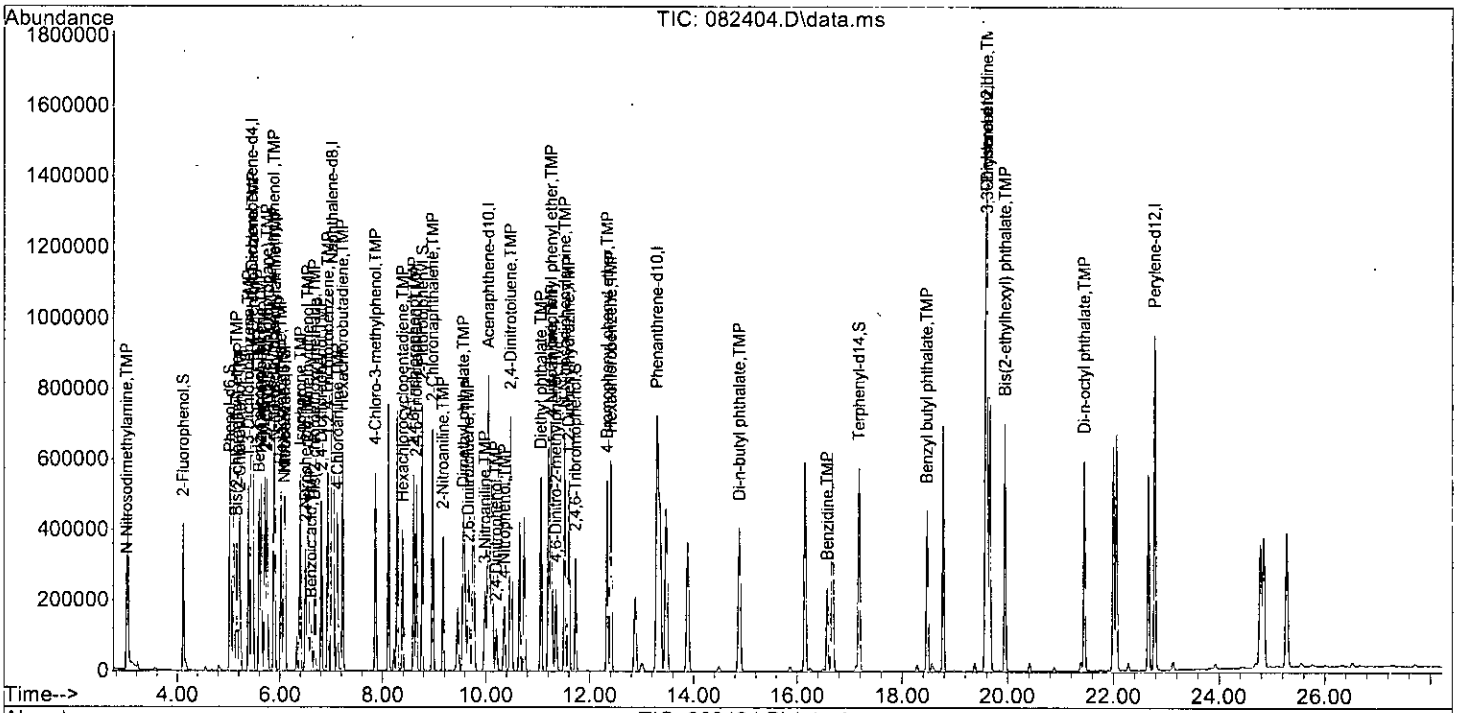
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.62	252	153150	4.949	ug/ml	89
72] Benz(a)anthracene	19.58	228	730354	5.092	ug/ml	99
73] Chrysene	19.66	228	698747	4.987	ug/ml	98
74) Bis(2-ethylhexyl) phth...	19.95	149	372003	4.733	ug/ml	99
76) Di-n-octyl phthalate	21.45	149	550288	4.779	ug/ml	99
77] Benzo(a)pyrene	22.66	252	561169	5.042	ug/ml	100
78] Benzo(b)fluoranthene	21.99	252	665890	4.872	ug/ml	99
79] Benzo(k)fluoranthene	22.06	252	671894	5.117	ug/ml	100
80] Indeno(1,2,3-cd)pyrene	24.78	276	483358m	5.282	ug/ml	
81] Dibenz(a,h)anthracene	24.84	278	493985	5.401	ug/ml	99
82] Benzo(g,h,i)perylene	25.28	276	509624	5.333	ug/ml	99

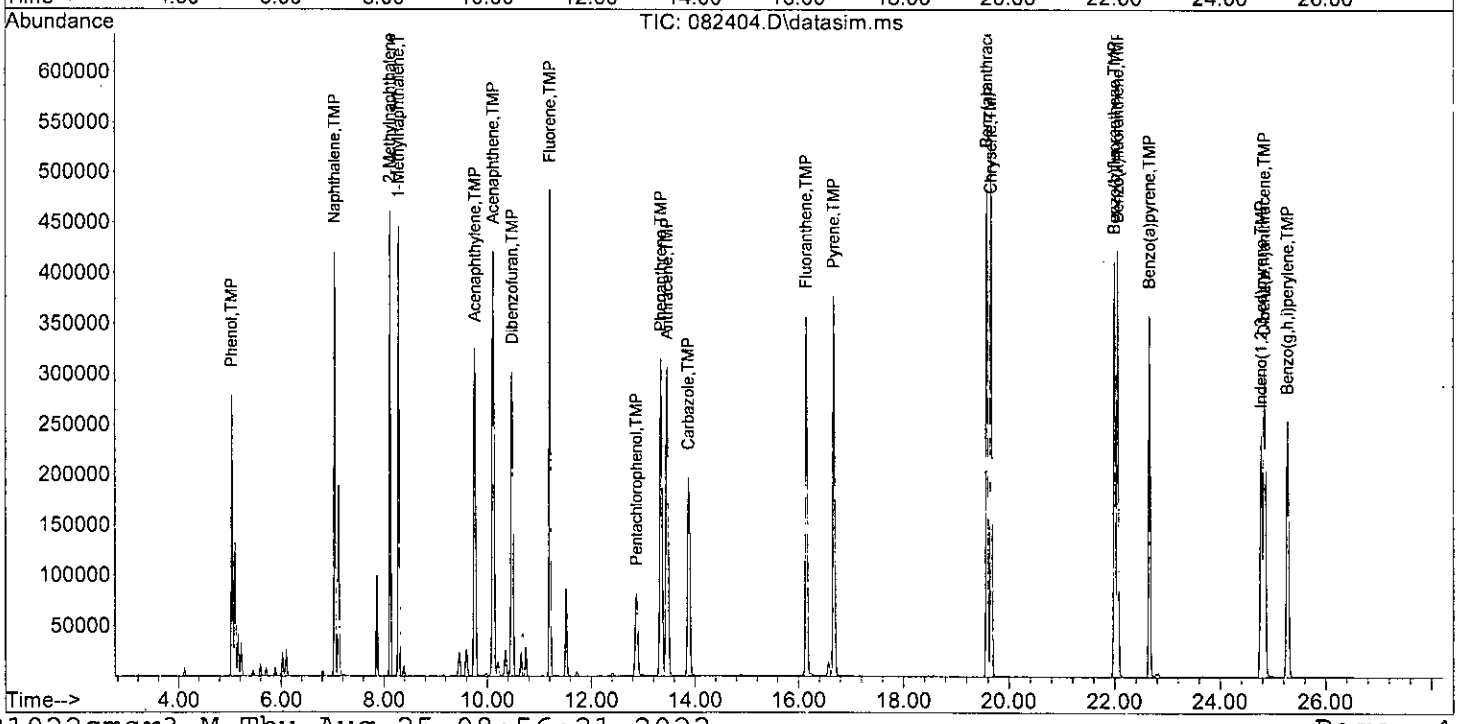
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	105	0.00
2	TMP	N-Nitrosodimethylamine	5.000	5.152	-3.0	113	0.00
3	S	2-Fluorophenol	5.000	4.976	0.5	110	0.00
4	S	Phenol-d6	5.000	4.968	0.6	104	0.00
5	TMP	Phenol	5.000	5.043	-0.9	110	0.00
6	TMP	Bis(2-chloroethyl) ether	5.000	5.189	-3.8	115	0.00
7	TMP	2-Chlorophenol	5.000	5.029	-0.6	109	0.00
8	TMP	1,3-Dichlorobenzene	5.000	4.775	4.5	104	0.00
9	TMP	1,4-Dichlorobenzene	5.000	5.183	-3.7	109	0.00
10	TMP	1,2-Dichlorobenzene	5.000	4.920	1.6	107	0.00
11	TMP	Benzyl alcohol	5.000	4.685	6.3	103	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	4.960	0.8	109	0.00
13	TMP	2-Methylphenol	5.000	5.138	-2.8	109	0.00
14	TMP	Hexachloroethane	5.000	5.013	-0.3	113	0.00
15	TMP	N-Nitroso-di-n-propylamine	5.000	5.072	-1.4	114	0.00
16	TMP	3-Methylphenol + 4-Methylph	5.000	5.225	-4.5	113	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	111	0.00
18	S	Nitrobenzene-d5	5.000	4.881	2.4	108	0.00
19	TMP	Nitrobenzene	5.000	4.931	1.4	105	0.00
20	TMP	Isophorone	5.000	4.987	0.3	111	0.00
21	TMP	2-Nitrophenol	5.000	4.894	2.1	117	0.00
22	TMP	2,4-Dimethylphenol	5.000	4.761	4.8	108	0.00
23	TMP	Benzoic acid	5.000	4.716	5.7	100	0.00
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.819	3.6	107	0.00
25	TMP	2,4-Dichlorophenol	5.000	5.049	-1.0	111	0.00
26	TMP	1,2,4-Trichlorobenzene	5.000	5.023	-0.5	111	0.00
27	TMP	Naphthalene	5.000	4.992	0.2	111	0.00
28	TMP	Hexachlorobutadiene	5.000	5.036	-0.7	112	0.00
29	TMP	4-Chloroaniline	5.000	4.633	7.3	104	0.00
30	TMP	4-Chloro-3-methylphenol	5.000	4.743	5.1	107	0.00
31	TMP	2-Methylnaphthalene	5.000	5.093	-1.9	112	0.00
32	TMP	1-Methylnaphthalene	5.000	5.118	-2.4	113	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	112	0.00
34	TMP	Hexachlorocyclopentadiene	5.000	4.520	9.6	96	0.00
35	TMP	2,4,6-Trichlorophenol	5.000	4.837	3.3	112	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	5.000	4.666	6.7	105	0.00
37	S	2-Fluorobiphenyl	5.000	5.103	-2.1	114	0.00
38	TMP	2-Chloronaphthalene	5.000	4.968	0.6	113	0.00
39	TMP	2-Nitroaniline	5.000	4.512	9.8	106	0.00
40	TMP	Dimethyl phthalate	5.000	5.003	-0.1	115	0.00
41	TMP	Acenaphthylene	5.000	5.137	-2.7	113	0.00
42	TMP	2,6-Dinitrotoluene	5.000	5.257	-5.1	116	0.00
43	TMP	3-Nitroaniline	5.000	4.967	0.7	108	0.00
44	TMP	Acenaphthene	5.000	5.057	-1.1	114	0.00
45	TMP	2,4-Dinitrophenol	5.000	4.033	19.3	96	0.00
46	TMP	Dibenzofuran	5.000	5.095	-1.9	110	0.00
47	TMP	2,4-Dinitrotoluene	5.000	4.897	2.1	109	0.00
48	TMP	4-Nitrophenol	5.000	4.547	9.1	106	0.00
49	TMP	Diethyl phthalate	5.000	5.043	-0.9	113	0.00
50	TMP	Fluorene	5.000	5.086	-1.7	112	0.00
51	TMP	4-Chlorophenyl phenyl ether	5.000	5.043	-0.9	108	0.00
52	TMP	1,2-Diphenylhydrazine	5.000	4.940	1.2	113	0.00
53	S	2,4,6-Tribromophenol	5.000	4.703	5.9	110	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	113	0.00
55	TMP	N-Nitrosodiphenylamine	5.000	4.818	3.6	107	0.00
56	TMP	4-Nitroaniline	5.000	4.940	1.2	113	0.00
57	TMP	4,6-Dinitro-2-methylphenol	5.000	4.630	7.4	99	0.00
58	TMP	4-Bromophenyl phenyl ether	5.000	4.881	2.4	108	0.00
59	TMP	Hexachlorobenzene	5.000	5.033	-0.7	108	0.00
60	TMP	Pentachlorophenol	5.000	4.288	14.2	99	0.00
61	TMP	Phenanthrene	5.000	5.038	-0.8	110	0.00
62	TMP	Anthracene	5.000	5.121	-2.4	111	0.00
63	TMP	Carbazole	5.000	5.223	-4.5	112	0.00
64	TMP	Di-n-butyl phthalate	5.000	4.382	12.4	82	0.00
65	TMP	Fluoranthene	5.000	5.106	-2.1	110	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	113	0.00
67	TMP	Benzidine	5.000	4.848	3.0	120	0.00
68	TMP	Pyrene	5.000	4.950	1.0	111	0.00
69	S	Terphenyl-d14	5.000	4.593	8.1	106	0.00
70	TMP	Benzyl butyl phthalate	5.000	4.499	10.0	105	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	5.000	4.949	1.0	110	0.00
72	TMP	Benz(a)anthracene	5.000	5.092	-1.8	113	0.00
73	TMP	Chrysene	5.000	4.987	0.3	112	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.733	5.3	112	0.00
75	I	Perylene-d12	8.000	8.000	0.0	116	0.00
76	TMP	Di-n-octyl phthalate	5.000	4.779	4.4	112	0.00
77	TMP	Benzo(a)pyrene	5.000	5.042	-0.8	116	0.00
78	TMP	Benzo(b)fluoranthene	5.000	4.872	2.6	114	0.00
79	TMP	Benzo(k)fluoranthene	5.000	5.117	-2.3	115	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	5.282	-5.6	121	0.00
81	TMP	Dibenz(a,h)anthracene	5.000	5.401	-8.0	123	0.00
82	TMP	Benzo(g,h,i)perylene	5.000	5.333	-6.7	122	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.682	-3.0	113	0.00
3	S	2-Fluorophenol	1.064	1.059	0.5	110	0.00
4	S	Phenol-d6	1.279	1.271	0.6	104	0.00
5	TMP	Phenol	1.625	1.639	-0.9	110	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.301	-3.7	115	0.00
7	TMP	2-Chlorophenol	1.210	1.217	-0.6	109	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.381	4.5	104	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.473	-3.7	109	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.390	1.6	107	0.00
11	TMP	Benzyl alcohol	0.768	0.720	6.3	103	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.075	0.8	109	0.00
13	TMP	2-Methylphenol	1.055	1.084	-2.7	109	0.00
14	TMP	Hexachloroethane	0.629	0.631	-0.3	113	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.888	-1.5	114	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.139	-4.5	113	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00
18	S	Nitrobenzene-d5	0.401	0.392	2.2	108	0.00
19	TMP	Nitrobenzene	0.414	0.409	1.2	105	0.00
20	TMP	Isophorone	0.690	0.688	0.3	111	0.00
21	TMP	2-Nitrophenol	0.173	0.169	2.3	117	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.361	4.7	108	0.00
23	TMP	Benzoic acid	0.178	0.113	36.5#	100	0.00
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.418	3.5	107	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.323	-1.3	111	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.402	-0.5	111	0.00
27	TMP	Naphthalene	1.188	1.186	0.2	111	0.00
28	TMP	Hexachlorobutadiene	0.313	0.315	-0.6	112	0.00
29	TMP	4-Chloroaniline	0.433	0.401	7.4	104	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.305	5.3	107	0.00
31	TMP	2-Methylnaphthalene	0.757	0.771	-1.8	112	0.00
32	TMP	1-Methylnaphthalene	0.726	0.743	-2.3	113	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.486	9.7	96	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.466	3.3	112	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.471	6.5	105	0.00
37	S	2-Fluorobiphenyl	1.406	1.435	-2.1	114	0.00
38	TMP	2-Chloronaphthalene	1.237	1.229	0.6	113	0.00
39	TMP	2-Nitroaniline	0.437	0.394	9.8	106	0.00
40	TMP	Dimethyl phthalate	1.457	1.458	-0.1	115	0.00
41	TMP	Acenaphthylene	2.125	2.183	-2.7	113	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.292	-10.6	116	0.00
43	TMP	3-Nitroaniline	0.498	0.494	0.8	108	0.00
44	TMP	Acenaphthene	1.489	1.506	-1.1	114	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.118	25.8#	96	0.00
46	TMP	Dibenzofuran	2.346	2.390	-1.9	110	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.366	1.9	109	0.00
48	TMP	4-Nitrophenol	0.297	0.252	15.2	106	0.00
49	TMP	Diethyl phthalate	1.527	1.540	-0.9	113	0.00
50	TMP	Fluorene	1.536	1.562	-1.7	112	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.753	-0.8	108	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.339	1.3	113	0.00
53	S	2,4,6-Tribromophenol	0.293	0.275	6.1	110	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.539	3.8	107	0.00
56	TMP	4-Nitroaniline	0.087	0.086	1.1	113	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.090	10.9	99	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.236	2.5	108	0.00
59	TMP	Hexachlorobenzene	0.293	0.294	-0.3	108	0.00
60	TMP	Pentachlorophenol	0.207	0.178	14.0	99	0.00
61	TMP	Phenanthrene	1.202	1.211	-0.7	110	0.00
62	TMP	Anthracene	1.177	1.206	-2.5	111	0.00
63	TMP	Carbazole	0.901	0.941	-4.4	112	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.129	12.4	82	0.00
65	TMP	Fluoranthene	1.367	1.396	-2.1	110	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	113	0.00
67	TMP	Benzidine	0.460	0.446	3.0	120	0.00
68	TMP	Pyrene	1.674	1.657	1.0	111	0.00
69	S	Terphenyl-d14	1.068	0.982	8.1	106	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.500	10.1	105	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

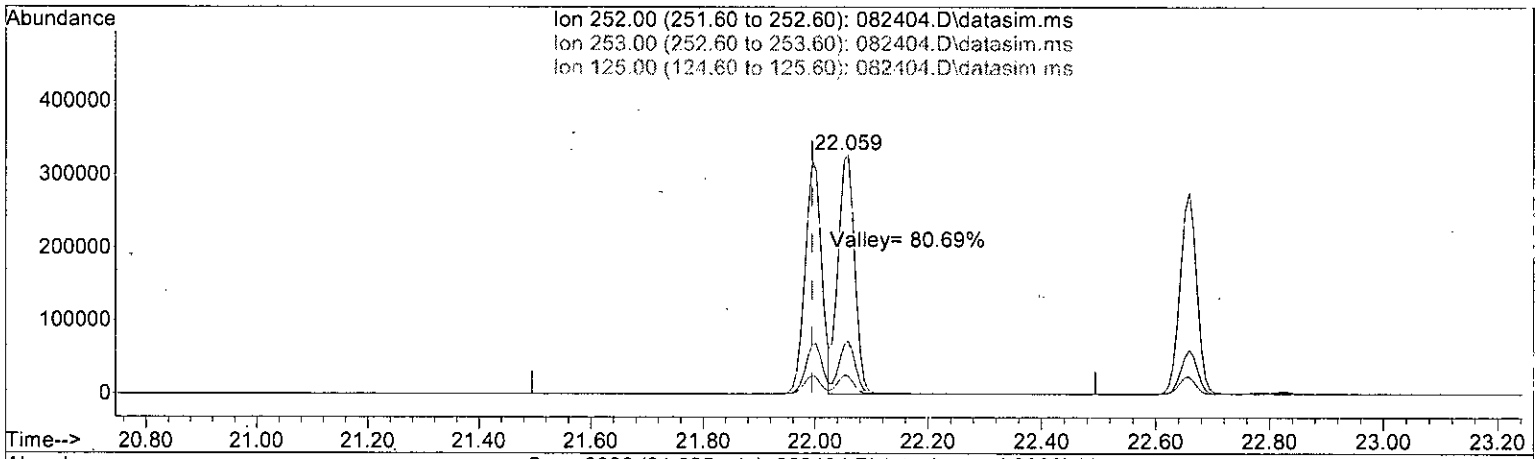
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.307	1.0	110	0.00
72	TMP	Benz(a)anthracene	1.637	1.462	10.7	113	0.00
73	TMP	Chrysene	1.403	1.399	0.3	112	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.745	5.3	112	0.00
75	I	Perylene-d12	1.000	1.000	0.0	116	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.209	15.0	112	0.00
77	TMP	Benzo(a)pyrene	1.223	1.233	-0.8	116	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.464	2.5	114	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.477	-2.4	115	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.062	-5.6	121	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.086	-8.1	123	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.120	-6.7	122	0.00

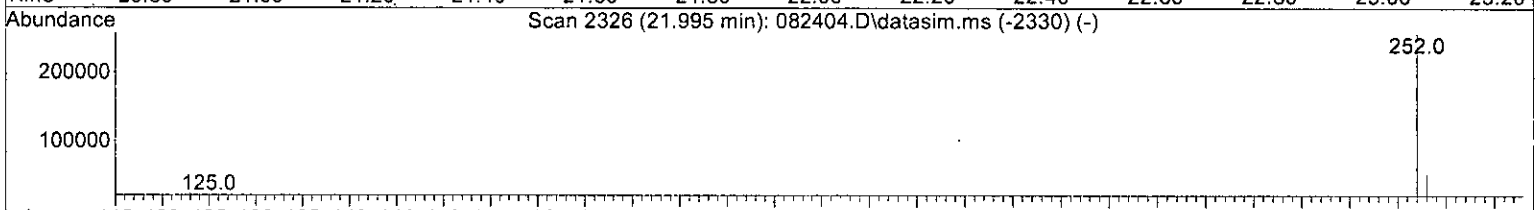
(#) = Out of Range SPCC's out = 0 CCC's out = 0

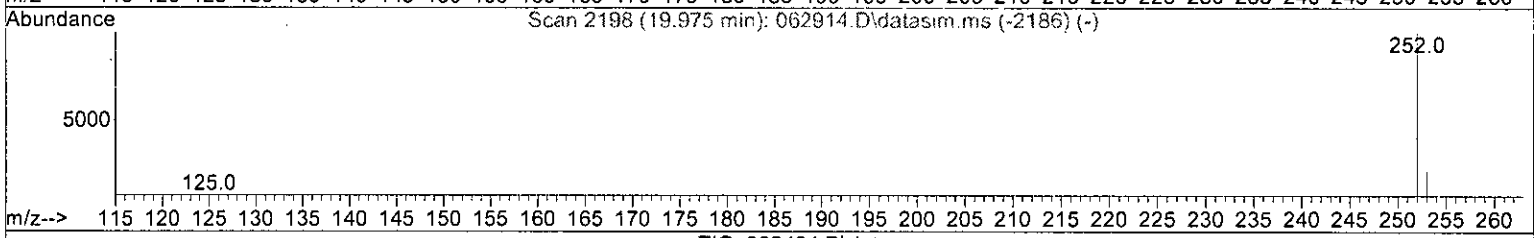
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:00:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082404.D\data.ms

(78) Benzo(b)fluoranthene (TMP)

21.995min (0.000) 4.872 ug/ml

response 665890

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	21.13
125.00	7.60	7.88
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 26 16:06:27 2022
Quant Method : D:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	105	-0.12
2	TMP	N-Nitrosodimethylamine	5.000	5.152	-3.0	113	-0.11
3	S	2-Fluorophenol	5.000	4.976	0.5	110	-0.11
4	S	Phenol-d6	5.000	4.968	0.6	104	-0.11
5	TMP	Phenol	5.000	5.043	-0.9	110	-0.11
6	TMP	Bis(2-chloroethyl) ether	5.000	5.189	-3.8	115	-0.11
7	TMP	2-Chlorophenol	5.000	5.029	-0.6	109	-0.11
8	TMP	1,3-Dichlorobenzene	5.000	4.775	4.5	104	-0.12
9	TMP	1,4-Dichlorobenzene	5.000	5.183	-3.7	109	-0.11
10	TMP	1,2-Dichlorobenzene	5.000	4.920	1.6	107	-0.12
11	TMP	Benzyl alcohol	5.000	4.685	6.3	103	-0.11
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	4.960	0.8	109	-0.12
13	TMP	2-Methylphenol	5.000	5.138	-2.8	109	-0.11
14	TMP	Hexachloroethane	5.000	5.013	-0.3	113	-0.12
15	TMP	N-Nitroso-di-n-propylamine	5.000	5.072	-1.4	114	-0.11
16	TMP	3-Methylphenol + 4-Methylph	5.000	5.225	-4.5	113	-0.11
17	I	Naphthalene-d8	8.000	8.000	0.0	111	-0.14
18	S	Nitrobenzene-d5	5.000	4.881	2.4	108	-0.12
19	TMP	Nitrobenzene	5.000	4.931	1.4	105	-0.12
20	TMP	Isophorone	5.000	4.987	0.3	111	-0.12
21	TMP	2-Nitrophenol	5.000	4.894	2.1	117	-0.13
22	TMP	2,4-Dimethylphenol	5.000	4.761	4.8	108	-0.13
23	TMP	Benzoic acid	5.000	4.716	5.7	100	-0.12
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.819	3.6	107	-0.14
25	TMP	2,4-Dichlorophenol	5.000	5.049	-1.0	111	-0.14
26	TMP	1,2,4-Trichlorobenzene	5.000	5.023	-0.5	111	-0.14
27	TMP	Naphthalene	5.000	4.992	0.2	111	-0.14
28	TMP	Hexachlorobutadiene	5.000	5.036	-0.7	112	-0.14
29	TMP	4-Chloroaniline	5.000	4.633	7.3	104	-0.14
30	TMP	4-Chloro-3-methylphenol	5.000	4.743	5.1	107	-0.14
31	TMP	2-Methylnaphthalene	5.000	5.093	-1.9	112	-0.16
32	TMP	1-Methylnaphthalene	5.000	5.118	-2.4	113	-0.16
33	I	Acenaphthene-d10	8.000	8.000	0.0	112	-0.17
34	TMP	Hexachlorocyclopentadiene	5.000	4.520	9.6	96	-0.16
35	TMP	2,4,6-Trichlorophenol	5.000	4.837	3.3	112	-0.16
36	TMP	2,4,5-Trichlorophenol	5.000	4.666	6.7	105	-0.16
37	S	2-Fluorobiphenyl	5.000	5.103	-2.1	114	-0.16
38	TMP	2-Chloronaphthalene	5.000	4.968	0.6	113	-0.17
39	TMP	2-Nitroaniline	5.000	4.512	9.8	106	-0.16
40	TMP	Dimethyl phthalate	5.000	5.003	-0.1	115	-0.17
41	TMP	Acenaphthylene	5.000	5.136	-2.7	113	-0.17
42	TMP	2,6-Dinitrotoluene	5.000	5.257	-5.1	116	-0.17
43	TMP	3-Nitroaniline	5.000	4.967	0.7	108	-0.17
44	TMP	Acenaphthene	5.000	5.057	-1.1	114	-0.17

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS9\08-24-22\
Data File : 082404.D
Acq On : 24 Aug 2022 1:36 pm
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 26 16:06:27 2022
Quant Method : D:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
45	TMP	2,4-Dinitrophenol	5.000	4.033	19.3	96	-0.17
46	TMP	Dibenzofuran	5.000	5.095	-1.9	110	-0.18
47	TMP	2,4-Dinitrotoluene	5.000	4.897	2.1	109	-0.18
48	TMP	4-Nitrophenol	5.000	4.547	9.1	106	-0.16
49	TMP	Diethyl phthalate	5.000	5.043	-0.9	113	-0.17
50	TMP	Fluorene	5.000	5.086	-1.7	112	-0.18
51	TMP	4-Chlorophenyl phenyl ether	5.000	5.043	-0.9	108	-0.18
52	TMP	1,2-Diphenylhydrazine	5.000	4.940	1.2	113	-0.18
53	S	2,4,6-Tribromophenol	5.000	4.703	5.9	110	-0.18
54	I	Phenanthrene-d10	8.000	8.000	0.0	113	-0.20
55	TMP	N-Nitrosodiphenylamine	5.000	4.818	3.6	107	-0.18
56	TMP	4-Nitroaniline	5.000	4.940	1.2	113	-0.18
57	TMP	4,6-Dinitro-2-methylphenol	5.000	4.630	7.4	99	-0.17
58	TMP	4-Bromophenyl phenyl ether	5.000	4.881	2.4	108	-0.19
59	TMP	Hexachlorobenzene	5.000	5.033	-0.7	108	-0.19
60	TMP	Pentachlorophenol	5.000	4.284	14.3	99	-0.18
61	TMP	Phenanthrene	5.000	5.038	-0.8	110	-0.20
62	TMP	Anthracene	5.000	5.120	-2.4	111	-0.18
63	TMP	Carbazole	5.000	5.221	-4.4	112	-0.20
64	TMP	Di-n-butyl phthalate	5.000	4.382	12.4	82	-0.18
65	TMP	Fluoranthene	5.000	5.105	-2.1	110	-0.20
66	I	Chrysene-d12	8.000	8.000	0.0	113	-0.20
67	TMP	Benzidine	5.000	4.848	3.0	120	-0.19
68	TMP	Pyrene	5.000	4.950	1.0	111	-0.20
69	S	Terphenyl-d14	5.000	4.593	8.1	106	-0.19
70	TMP	Benzyl butyl phthalate	5.000	4.499	10.0	105	-0.19
71	TMP	3,3'-Dichlorobenzidine	5.000	4.949	1.0	110	-0.20
72	TMP	Benz(a)anthracene	5.000	5.092	-1.8	113	-0.21
73	TMP	Chrysene	5.000	4.987	0.3	112	-0.21
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.733	5.3	112	-0.19
75	I	Perylene-d12	8.000	8.000	0.0	116	-0.21
76	TMP	Di-n-octyl phthalate	5.000	4.779	4.4	112	-0.19
77	TMP	Benzo(a)pyrene	5.000	5.042	-0.8	116	-0.21
78	TMP	Benzo(b)fluoranthene	5.000	4.872	2.6	114	-0.21
79	TMP	Benzo(k)fluoranthene	5.000	5.117	-2.3	115	-0.21
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	6.424	-28.5#	147	-0.23
81	TMP	Dibenz(a,h)anthracene	5.000	5.401	-8.0	123	-0.23
82	TMP	Benzo(g,h,i)perylene	5.000	5.333	-6.7	122	-0.24

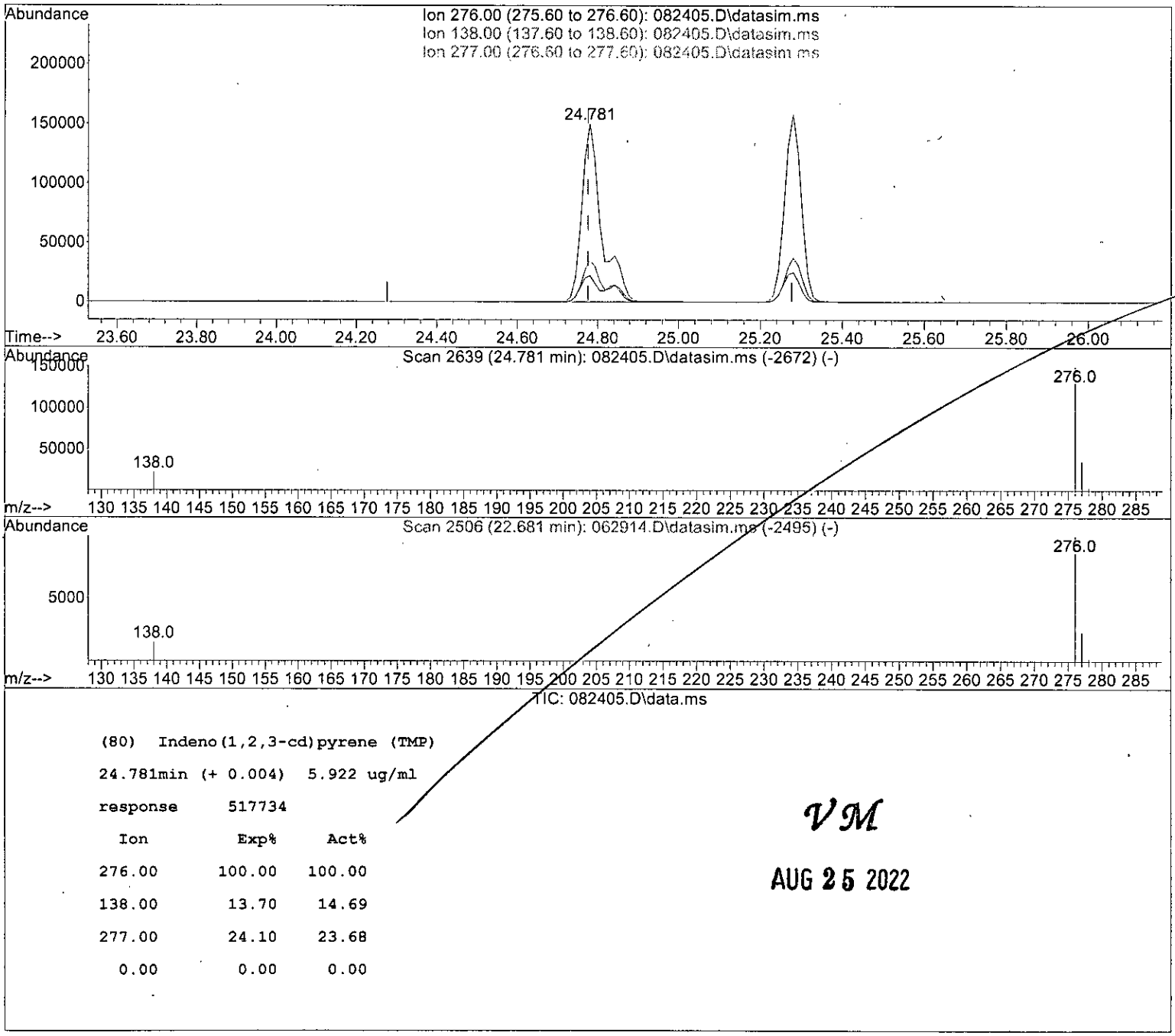
(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA 8270E
Quality Assurance Data

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082405.D
Acq On : 24 Aug 2022 3:04 pm
Operator : VM
Sample : 02-2030 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:56:50 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TMP)

24.781min (+ 0.004) 5.922 ug/ml

response 517734

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.69
277.00	24.10	23.68
0.00	0.00	0.00

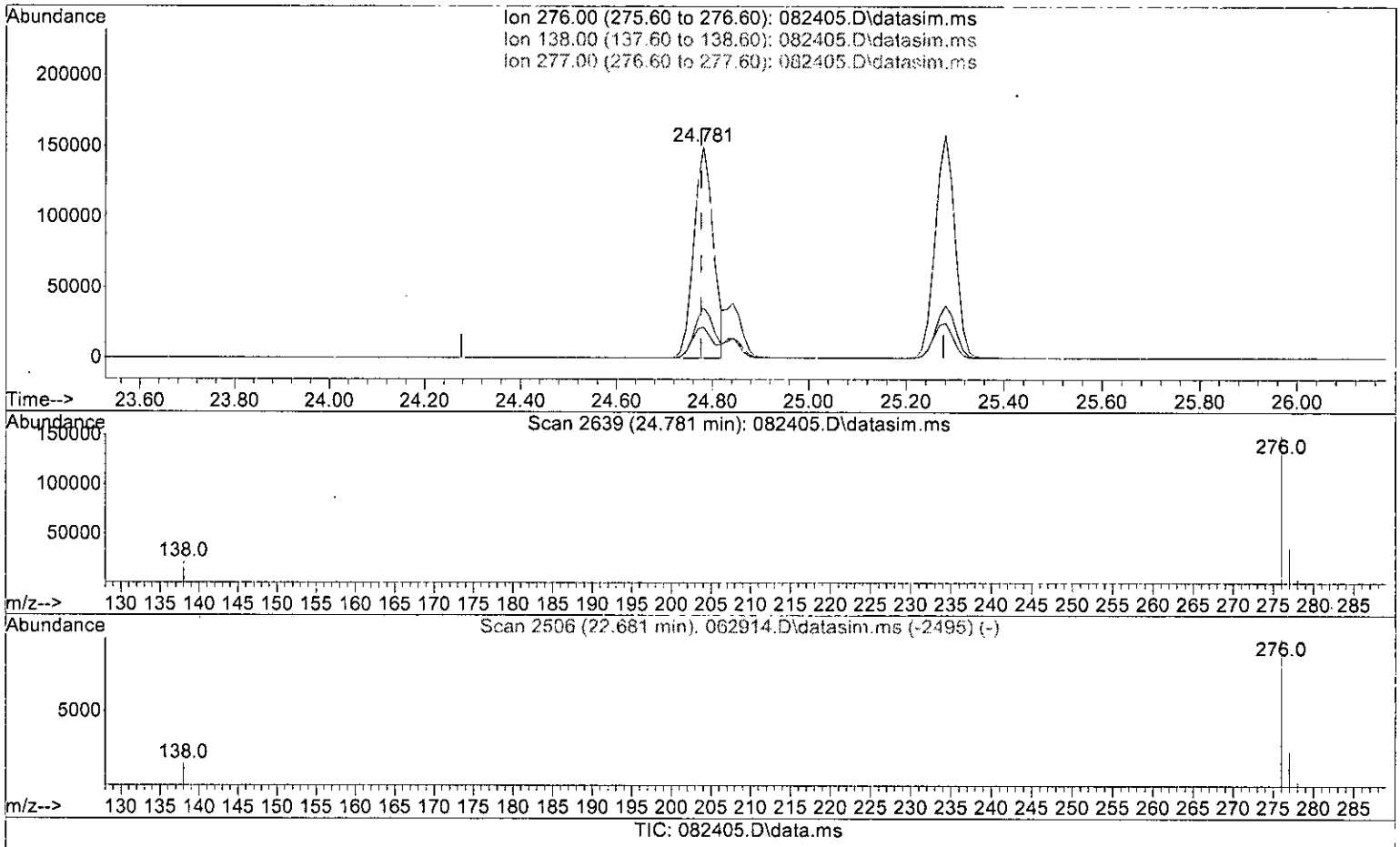
VM

AUG 25 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082405.D
Acq On : 24 Aug 2022 3:04 pm
Operator : VM
Sample : 02-2030 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:56:50 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082405.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.781min (+ 0.004) 4.837 ug/ml m

response 422905

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.74
277.00	24.10	23.71
0.00	0.00	0.00

VM

AUG 25 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082405.D
Acq On : 24 Aug 2022 3:04 pm
Operator : VM
Sample : 02-2030 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:18 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	254372	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	847245	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	449158	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.31	188	942479	8.000	ug/ml	0.01
66) Chrysene-d12	19.61	240	840059	8.000	ug/ml	0.00
75) Perylene-d12	22.79	264	695474	8.000	ug/ml	0.01
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	161123	4.763	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 31.73%			
4) Phenol-d6	5.02	99	120306	2.959	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 19.73%			
18) Nitrobenzene-d5	6.08	82	324769	7.646	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 76.50%			
37) 2-Fluorobiphenyl	8.77	172	659520	8.353	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 83.50%			
53) 2,4,6-Tribromophenol	11.74	330	249083	15.151	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 142		Recovery = 101.00%			
69) Terphenyl-d14	17.19	244	1144573	10.201	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 102.00%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.01	74	39489	1.875	ug/ml	87
5] Phenol	5.04	94	53679	1.039	ug/ml	98
6) Bis(2-chloroethyl) ether	5.16	63	152039	3.813	ug/ml	95
7) 2-Chlorophenol	5.21	128	135222	3.516	ug/ml	98
8) 1,3-Dichlorobenzene	5.38	146	149133	3.244	ug/ml	95
9) 1,4-Dichlorobenzene	5.47	146	151786	3.359	ug/ml	96
10) 1,2-Dichlorobenzene	5.64	146	157644	3.510	ug/ml	96
11) Benzyl alcohol	5.60	108	373033	15.273	ug/ml	91
12) 2,2'-Oxybis(1-chloropr...	5.75	45	358964	3.642	ug/ml	99
13) 2-Methylphenol	5.71	108	95051	2.834	ug/ml	97
14) Hexachloroethane	6.02	117	62628	3.130	ug/ml	92
15) N-Nitroso-di-n-propyla...	5.90	70	112177	4.031	ug/ml	98
16) 3-Methylphenol + 4-Met...	5.88	108	87703	2.530	ug/ml	97
19) Nitrobenzene	6.10	77	161544	3.681	ug/ml	99
20) Isophorone	6.40	82	308744	4.223	ug/ml	100
21) 2-Nitrophenol	6.50	139	67839	3.710	ug/ml	95
22) 2,4-Dimethylphenol	6.54	107	135653	3.377	ug/ml	97
23) Benzoic acid	6.63	122	106171	6.858	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082405.D
Acq On : 24 Aug 2022 3:04 pm
Operator : VM
Sample : 02-2030 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:18 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.68	93	177763	3.874	ug/ml	99
25) 2,4-Dichlorophenol	6.81	162	134334	3.970	ug/ml	97
26) 1,2,4-Trichlorobenzene	6.93	180	145632	3.435	ug/ml	98
27] Naphthalene	7.05	128	460450	3.660	ug/ml	98
28) Hexachlorobutadiene	7.22	225	109226	3.300	ug/ml	100
29) 4-Chloroaniline	7.12	127	811390	17.693	ug/ml	98
30) 4-Chloro-3-methylphenol	7.87	107	133325	3.915	ug/ml	100
31] 2-Methylnaphthalene	8.12	142	306489	3.825	ug/ml	99
32] 1-Methylnaphthalene	8.29	142	297119	3.864	ug/ml	95
34) Hexachlorocyclopentadiene	8.39	237	99191	3.283	ug/ml	99
35) 2,4,6-Trichlorophenol	8.61	196	117205	4.334	ug/ml	94
36) 2,4,5-Trichlorophenol	8.66	196	122087	4.312	ug/ml	97
38) 2-Chloronaphthalene	8.98	162	287421	4.138	ug/ml	97
39) 2-Nitroaniline	9.19	65	577643	23.536	ug/ml	97
40) Dimethyl phthalate	9.57	163	396860	4.851	ug/ml	97
41] Acenaphthylene	9.76	152	524434	4.396	ug/ml	100
42) 2,6-Dinitrotoluene	9.68	165	78240	5.024	ug/ml	88
43) 3-Nitroaniline	10.00	65	600103	21.482	ug/ml	98
44] Acenaphthene	10.12	153	363259	4.347	ug/ml	98
45) 2,4-Dinitrophenol	10.21	184	76799	8.296	ug/ml	94
46] Dibenzofuran	10.48	168	587977	4.465	ug/ml	89
47) 2,4-Dinitrotoluene	10.49	165	98650	4.707	ug/ml	86
48) 4-Nitrophenol	10.36	65	38622	2.571	ug/ml	99
49) Diethyl phthalate	11.07	149	419113	4.888	ug/ml	98
50] Fluorene	11.21	166	387999	4.500	ug/ml	96
51) 4-Chlorophenyl phenyl ...	11.26	204	187173	4.463	ug/ml	99
52) 1,2-Diphenylhydrazine	11.60	77	344165	4.522	ug/ml	97
55) N-Nitrosodiphenylamine	11.52	169	290882	4.412	ug/ml	97
56) 4-Nitroaniline	11.28	138	260189	25.364	ug/ml	98
57) 4,6-Dinitro-2-methylph...	11.35	198	52063	4.578	ug/ml	92
58) 4-Bromophenyl phenyl e...	12.35	248	119245	4.187	ug/ml	98
59) Hexachlorobenzene	12.41	284	150562	4.369	ug/ml	94
60] Pentachlorophenol	12.88	266	103982	4.264	ug/ml	97
61] Phenanthrene	13.36	178	652023	4.604	ug/ml	100
62] Anthracene	13.47	178	643339	4.638	ug/ml	100
63] Carbazole	13.89	167	547311	5.155	ug/ml	99
64) Di-n-butyl phthalate	14.89	149	710848	4.682	ug/ml	99
65] Fluoranthene	16.16	202	819183	5.087	ug/ml	99
67) Benzidine	0.00		0	N.D.		
68] Pyrene	16.68	202	845667	4.811	ug/ml	97
70) Benzyl butyl phthalate	18.48	149	297406	5.093	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082405.D
Acq On : 24 Aug 2022 3:04 pm
Operator : VM
Sample : 02-2030 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:18 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

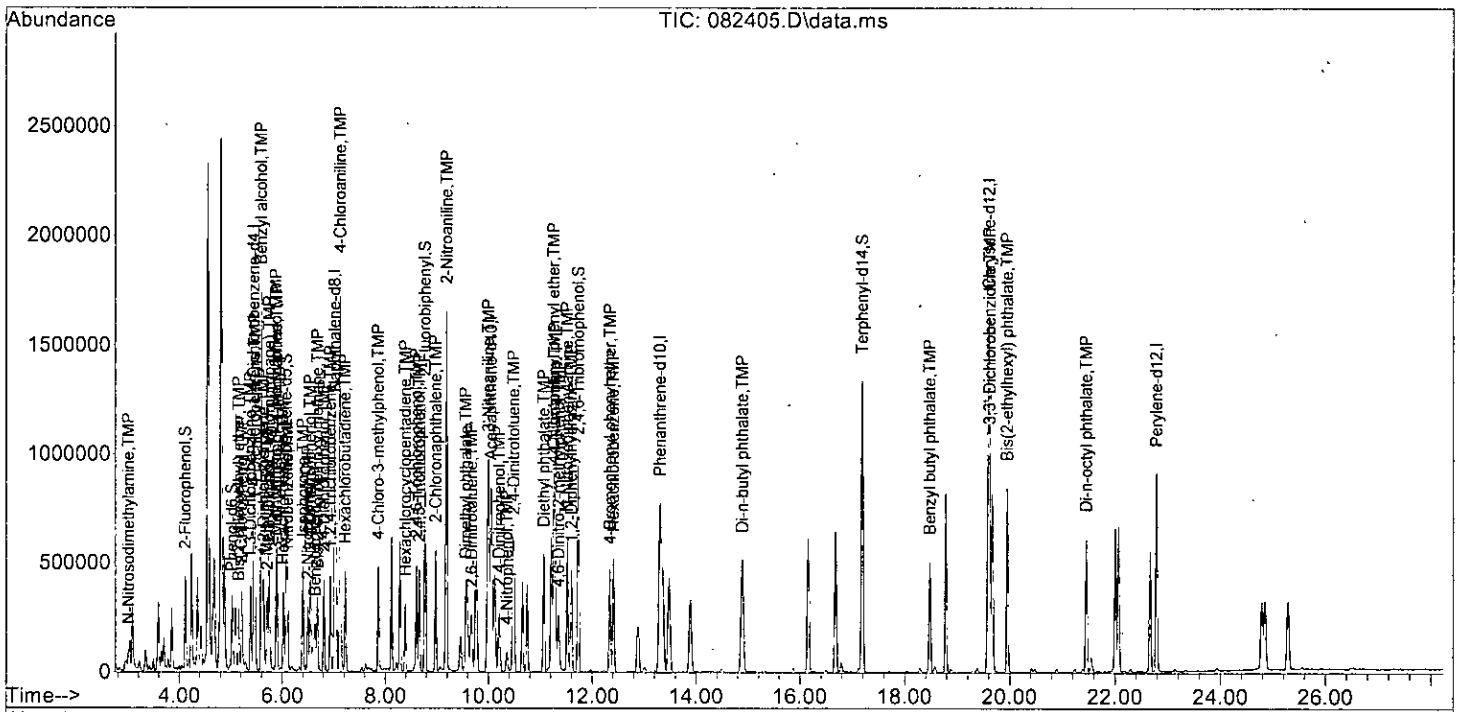
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.63	252	162221	4.987	ug/ml	94
72] Benz(a)anthracene	19.59	228	772969	5.126	ug/ml	98
73] Chrysene	19.67	228	737482	5.007	ug/ml	100
74) Bis(2-ethylhexyl) phth...	19.95	149	454911	5.506	ug/ml	97
76) Di-n-octyl phthalate	21.45	149	557185	5.039	ug/ml	99
77] Benzo(a)pyrene	22.66	252	538628	5.065	ug/ml	99
78] Benzo(b)fluoranthene	22.00	252	684200	5.240	ug/ml	99
79] Benzo(k)fluoranthene	22.06	252	648097	5.166	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	24.78	276	422905m	4.837	ug/ml	
81] Dibenz(a,h)anthracene	24.84	278	438957	5.024	ug/ml	99
82] Benzo(g,h,i)perylene	25.28	276	448425	4.912	ug/ml	100

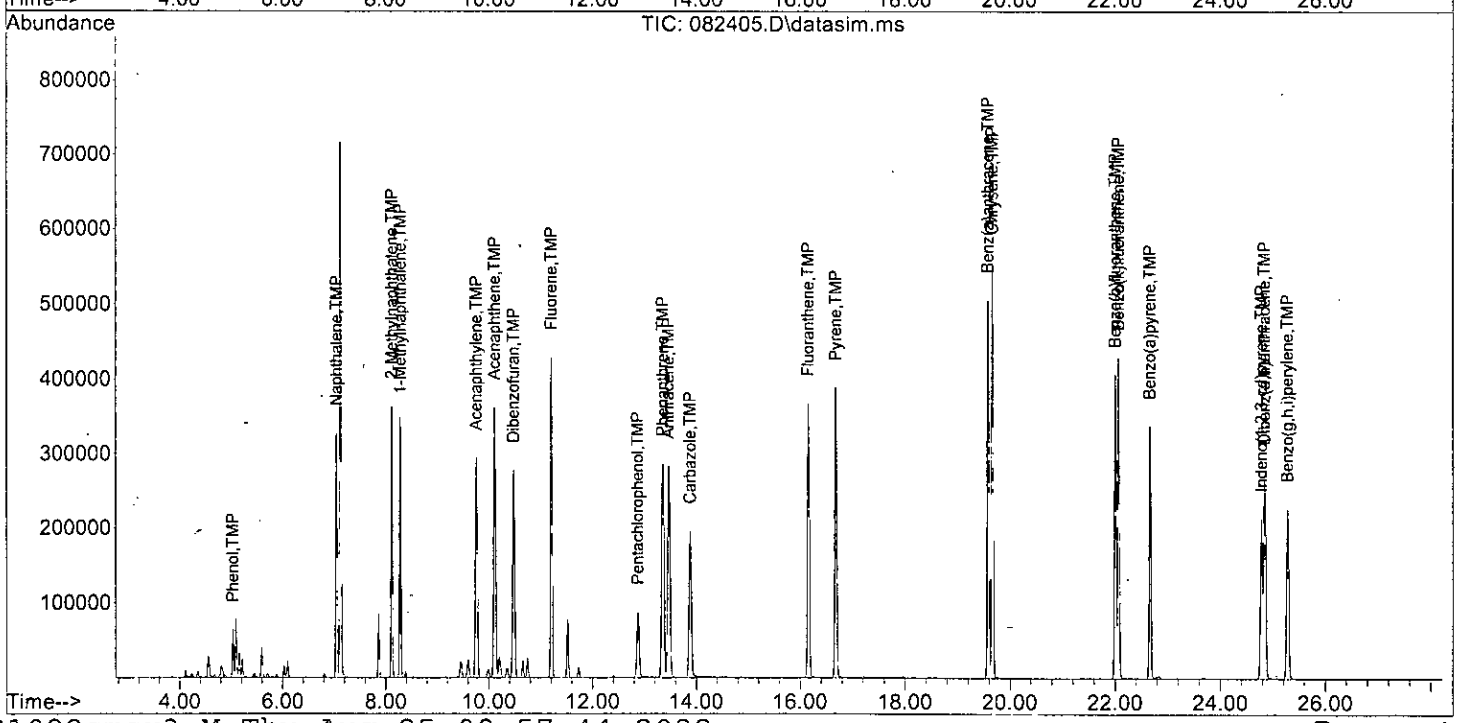
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082405.D
Acq On : 24 Aug 2022 3:04 pm
Operator : VM
Sample : 02-2030 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:18 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082408.D
Acq On : 24 Aug 2022 4:44 pm
Operator : VM
Sample : 02-2030 mb
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:51 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	247125	8.000	ug/ml	0.00
17) Naphthalene-d8	7.01	136	834650	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	446487	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.30	188	835183	8.000	ug/ml	0.00
66) Chrysene-d12	19.61	240	759838	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	631588	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	197313	6.004	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 40.00%			
4) Phenol-d6	5.02	99	164740	4.170	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 27.80%			
18) Nitrobenzene-d5	6.08	82	336601	8.044	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 80.40%			
37) 2-Fluorobiphenyl	8.77	172	645288	8.222	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 82.20%			
53) 2,4,6-Tribromophenol	11.73	330	200250	12.254	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 81.67%			
69) Terphenyl-d14	17.19	244	1067459	10.518	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 105.20%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.04	94	1361	N.D.		
6) Bis(2-chloroethyl) ether	5.24	63	132	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	5.46	146	324	N.D.		
9) 1,4-Dichlorobenzene	5.46	146	324	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.59	108	582	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.77	45	144	N.D.		
13) 2-Methylphenol	5.59	108	582	N.D.		
14) Hexachloroethane	6.05	117	800	N.D.		
15) N-Nitroso-di-n-propyla...	5.78	70	555	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.09	77	999	N.D.		
20) Isophorone	0.00		0	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.		
23) Benzoic acid	0.00		0	N.D.		

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082408.D
Acq On : 24 Aug 2022 4:44 pm
Operator : VM
Sample : 02-2030 mb
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:51 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0		N.D.	
25) 2,4-Dichlorophenol	0.00		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
27) Naphthalene	7.04	128	1000		N.D.	
28) Hexachlorobutadiene	0.00		0		N.D.	
29) 4-Chloroaniline	0.00		0		N.D.	
30) 4-Chloro-3-methylphenol	7.90	107	418		N.D.	
31) 2-Methylnaphthalene	8.12	142	361		N.D.	
32) 1-Methylnaphthalene	8.28	142	621		N.D.	
34) Hexachlorocyclopentadiene	0.00		0		N.D.	
35) 2,4,6-Trichlorophenol	0.00		0		N.D.	
36) 2,4,5-Trichlorophenol	0.00		0		N.D.	
38) 2-Chloronaphthalene	0.00		0		N.D.	
39) 2-Nitroaniline	9.05	65	219		N.D.	
40) Dimethyl phthalate	0.00		0		N.D.	
41) Acenaphthylene	9.76	152	147		N.D.	
42) 2,6-Dinitrotoluene	9.68	165	507		N.D.	
43) 3-Nitroaniline	10.05	65	1847		N.D.	
44) Acenaphthene	10.11	153	202		N.D.	
45) 2,4-Dinitrophenol	0.00		0		N.D.	
46) Dibenzofuran	10.48	168	833		N.D.	
47) 2,4-Dinitrotoluene	0.00		0		N.D.	
48) 4-Nitrophenol	0.00		0		N.D.	
49) Diethyl phthalate	11.05	149	4786		N.D.	
50) Fluorene	11.20	166	162		N.D.	
51) 4-Chlorophenyl phenyl ...	0.00		0		N.D.	
52) 1,2-Diphenylhydrazine	11.72	77	1225		N.D.	
55) N-Nitrosodiphenylamine	0.00		0		N.D.	
56) 4-Nitroaniline	0.00		0		N.D.	
57) 4,6-Dinitro-2-methylph...	0.00		0		N.D.	
58) 4-Bromophenyl phenyl e...	0.00		0		N.D.	
59) Hexachlorobenzene	0.00		0		N.D.	
60) Pentachlorophenol	12.88	266	407		N.D.	
61) Phenanthrene	13.35	178	1248		N.D.	
62) Anthracene	13.46	178	105		N.D.	
63) Carbazole	13.91	167	295		N.D.	
64) Di-n-butyl phthalate	14.89	149	4773		N.D.	
65) Fluoranthene	16.15	202	457		N.D.	
67) Benzidine	0.00		0		N.D.	
68) Pyrene	16.67	202	558		N.D.	
70) Benzyl butyl phthalate	0.00		0		N.D.	

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082408.D
Acq On : 24 Aug 2022 4:44 pm
Operator : VM
Sample : 02-2030 mb
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:51 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

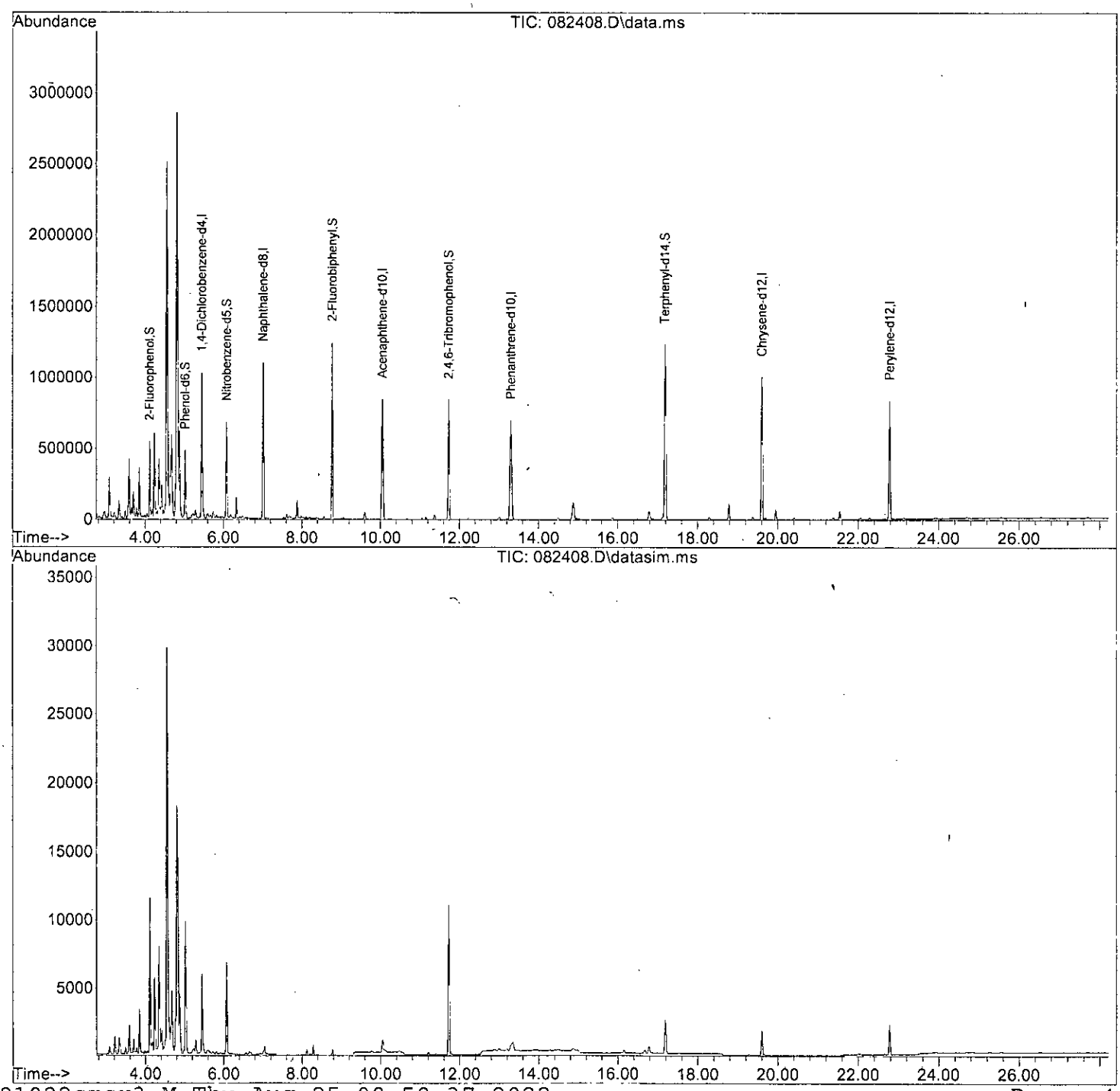
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.60	228	2652	N.D.		
73) Chrysene	19.66	228	124	N.D.		
74) Bis(2-ethylhexyl) phth...	19.95	149	40456	N.D.		
76) Di-n-octyl phthalate	21.45	149	1442	N.D.		
77) Benzo(a)pyrene	22.66	252	122	N.D.		
78) Benzo(b)fluoranthene	21.99	252	145	N.D.		
79) Benzo(k)fluoranthene	22.06	252	137	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.78	276	130	N.D.		
81) Dibenz(a,h)anthracene	24.84	278	137	N.D.		
82) Benzo(g,h,i)perylene	25.26	276	156	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082408.D
Acq On : 24 Aug 2022 4:44 pm
Operator : VM
Sample : 02-2030 mb
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:02:51 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	257907	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	863898	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	486137	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.30	188	865219	8.000	ug/ml	0.00
66) Chrysene-d12	19.61	240	801705	8.000	ug/ml	0.00
75) Perylene-d12	22.79	264	688659	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.12	112	145559	4.244	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 28.27%			
4) Phenol-d6	5.02	99	165966	4.026	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 26.87%			
18) Nitrobenzene-d5	6.08	82	392824	9.070	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 90.70%			
37) 2-Fluorobiphenyl	8.77	172	711594	8.327	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 83.30%			
53) 2,4,6-Tribromophenol	11.73	330	137804	7.745	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 51.60%			
69) Terphenyl-d14	17.19	244	1111182	10.377	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 103.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.04	94	973	N.D.		
6) Bis(2-chloroethyl) ether	5.03	63	276	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.45	108	1491	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.72	45	317	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	6.04	117	555	N.D.		
15) N-Nitroso-di-n-propyla...	5.82	70	461	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.07	77	1494	N.D.		
20) Isophorone	0.00		0	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.		
23) Benzoic acid	0.00		0	N.D.		

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.63	93	138	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27)	Naphthalene	7.04	128	954	N.D.		
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	0.00		0	N.D.		
30)	4-Chloro-3-methylphenol	7.79	107	451	N.D.		
31)	2-Methylnaphthalene	8.12	142	327	N.D.		
32)	1-Methylnaphthalene	8.28	142	478	N.D.		
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.		
39)	2-Nitroaniline	9.07	65	241	N.D.		
40)	Dimethyl phthalate	9.45	163	525	N.D.		
41)	Acenaphthylene	9.76	152	133	N.D.		
42)	2,6-Dinitrotoluene	0.00		0	N.D.		
43)	3-Nitroaniline	10.05	65	3523	N.D.		
44)	Acenaphthene	10.11	153	223	N.D.		
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46)	Dibenzofuran	10.48	168	799	N.D.		
47)	2,4-Dinitrotoluene	0.00		0	N.D.		
48)	4-Nitrophenol	0.00		0	N.D.		
49)	Diethyl phthalate	11.06	149	3889	N.D.		
50)	Fluorene	11.20	166	177	N.D.		
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	11.73	77	408	N.D.		
55)	N-Nitrosodiphenylamine	0.00		0	N.D.		
56)	4-Nitroaniline	0.00		0	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	12.88	266	215	N.D.		
61)	Phenanthrene	13.35	178	1209	N.D.		
62)	Anthracene	13.47	178	132	N.D.		
63)	Carbazole	13.91	167	234	N.D.		
64)	Di-n-butyl phthalate	14.89	149	3652	N.D.		
65)	Fluoranthene	16.15	202	438	N.D.		
67)	Benzidine	0.00		0	N.D.		
68)	Pyrene	16.68	202	517	N.D.		
70)	Benzyl butyl phthalate	18.56	149	4096	N.D.		

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

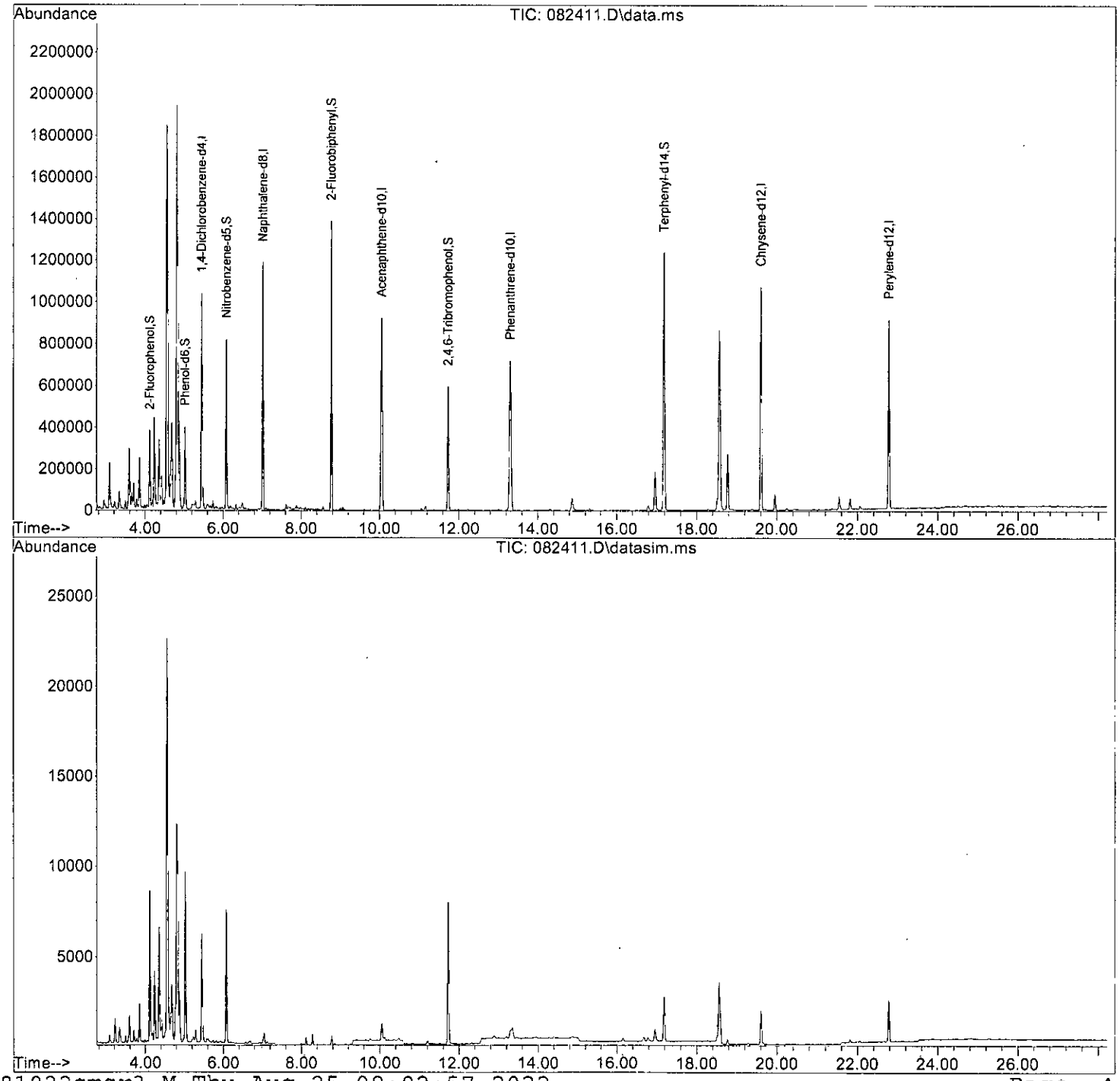
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.60	228	2658	N.D.		
73) Chrysene	19.66	228	105	N.D.		
74) Bis(2-ethylhexyl) phth...	19.95	149	41226	N.D.		
76) Di-n-octyl phthalate	21.45	149	2128	N.D.		
77) Benzo(a)pyrene	22.66	252	123	N.D.		
78) Benzo(b)fluoranthene	21.99	252	149	N.D.		
79) Benzo(k)fluoranthene	22.05	252	138	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.78	276	149	N.D.		
81) Dibenz(a,h)anthracene	24.84	278	150	N.D.		
82) Benzo(g,h,i)perylene	25.26	276	121	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

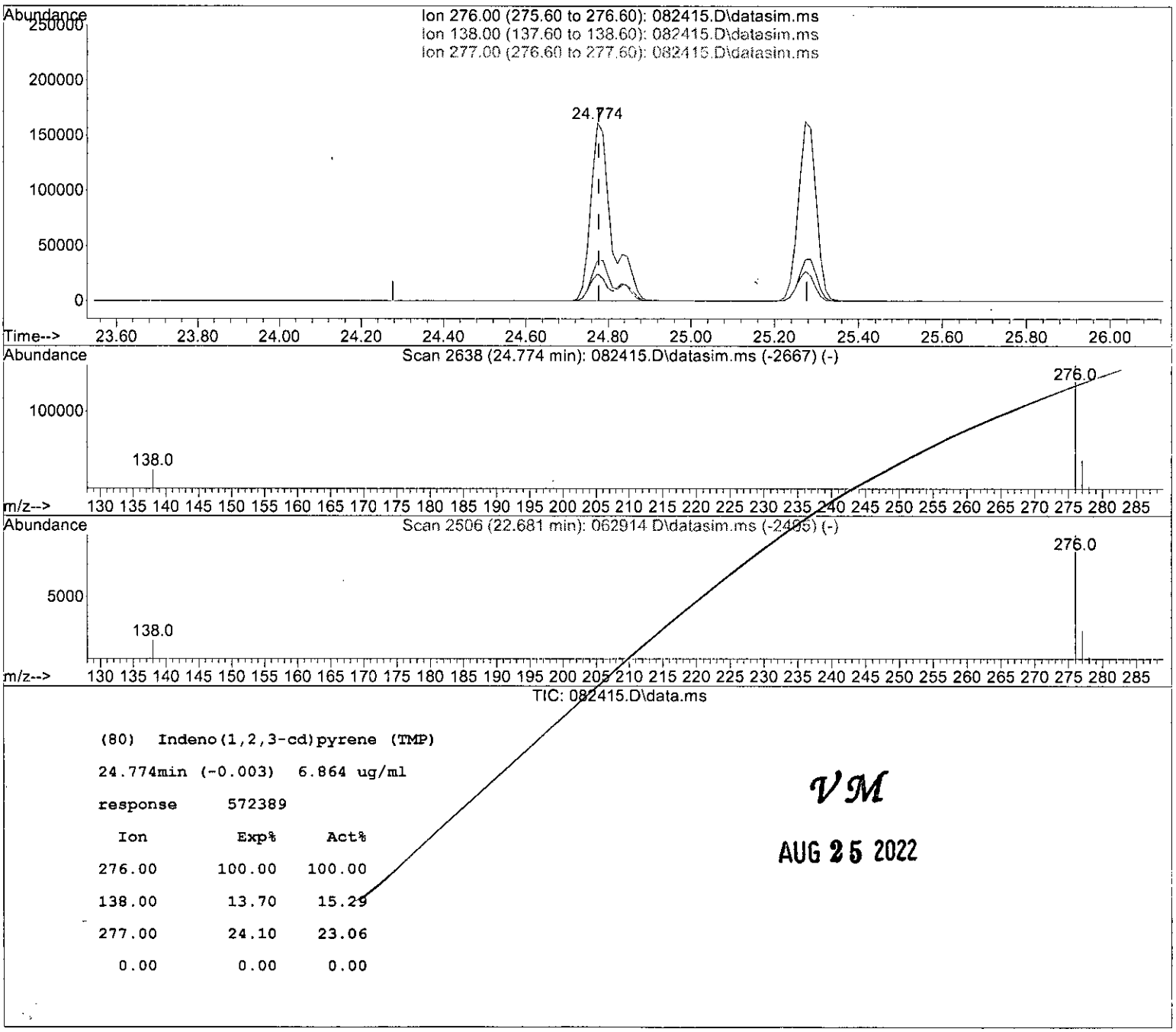
Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082415.D
Acq On : 24 Aug 2022 8:36 pm
Operator : VM
Sample : 208312-01 ms 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:30 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TMP)

24.774min (-0.003) 6.864 ug/ml

response 572389

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.29
277.00	24.10	23.06
0.00	0.00	0.00

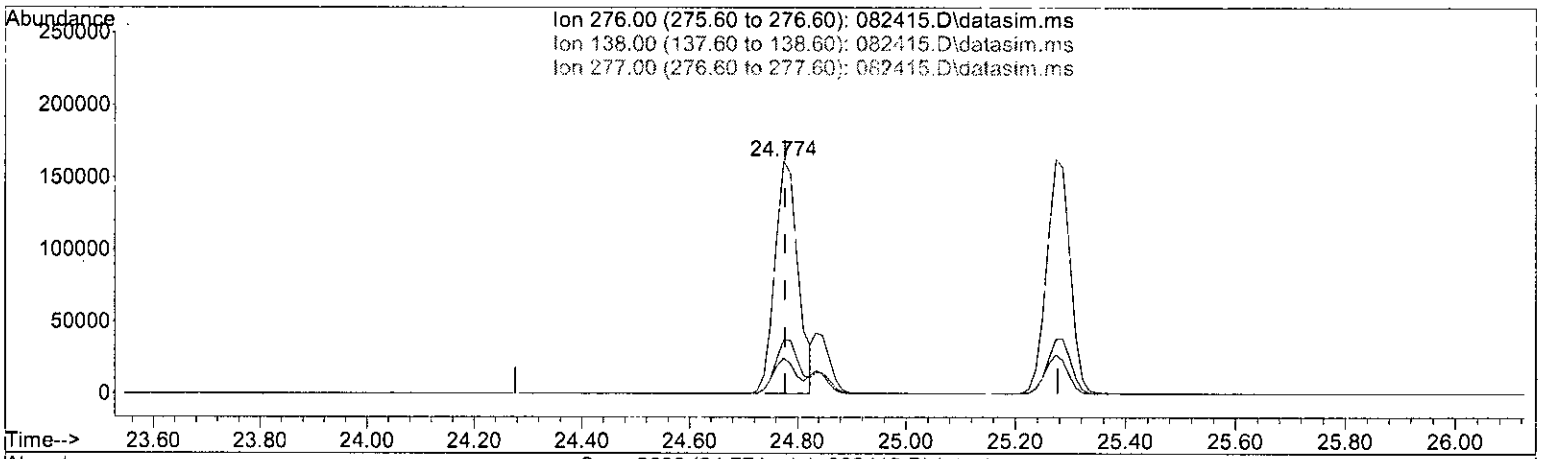
VM

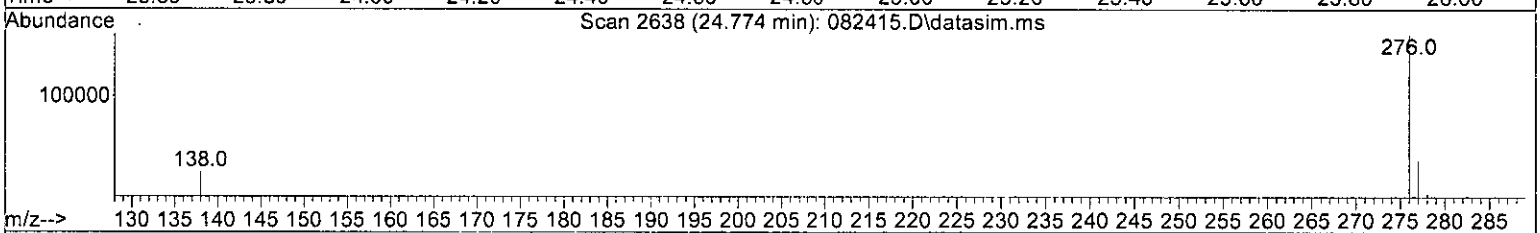
AUG 25 2022

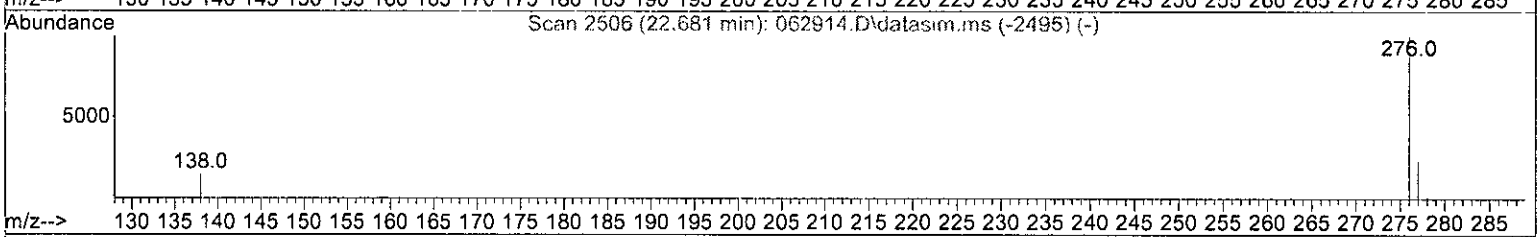
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082415.D
Acq On : 24 Aug 2022 8:36 pm
Operator : VM
Sample : 208312-01 ms 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:30 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082415.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.774min (-0.003) 5.756 ug/ml m

response 479979

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.33
277.00	24.10	23.09
0.00	0.00	0.00

VM

AUG 25 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082415.D
Acq On : 24 Aug 2022 8:36 pm
Operator : VM
Sample : 208312-01 ms 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:12:24 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	253097	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	858990	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	460883	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.31	188	889459	8.000	ug/ml	0.01
66) Chrysene-d12	19.61	240	729144	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	663327	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	133207	3.957	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 26.40%			
4) Phenol-d6	5.03	99	141352	3.494	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 23.27%			
18) Nitrobenzene-d5	6.08	82	378631	8.792	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 87.90%			
37) 2-Fluorobiphenyl	8.77	172	687486	8.486	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 84.90%			
53) 2,4,6-Tribromophenol	11.73	330	165254	9.797	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 65.33%			
69) Terphenyl-d14	17.18	244	1038426	10.663	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 106.60%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.01	74	46087	2.199	ug/ml	88
5] Phenol	5.04	94	62283	1.211	ug/ml	95
6) Bis(2-chloroethyl) ether	5.16	63	167817	4.230	ug/ml	95
7) 2-Chlorophenol	5.22	128	113118	2.956	ug/ml	94
8) 1,3-Dichlorobenzene	5.39	146	159414	3.486	ug/ml	96
9) 1,4-Dichlorobenzene	5.47	146	158672	3.530	ug/ml	96
10) 1,2-Dichlorobenzene	5.64	146	153707	3.439	ug/ml	96
11) Benzyl alcohol	5.60	108	421543	17.346	ug/ml	93
12) 2,2'-Oxybis(1-chloropr...	5.75	45	388117	3.958	ug/ml	96
13) 2-Methylphenol	5.71	108	112831	3.381	ug/ml	98
14) Hexachloroethane	6.02	117	68147	3.423	ug/ml	94
15) N-Nitroso-di-n-propyla...	5.90	70	119242	4.306	ug/ml	99
16) 3-Methylphenol + 4-Met...	5.89	108	100599	2.917	ug/ml	95
19) Nitrobenzene	6.10	77	182769	4.108	ug/ml	97
20) Isophorone	6.40	82	318309	4.294	ug/ml	99
21) 2-Nitrophenol	6.50	139	55429	2.990	ug/ml	90
22) 2,4-Dimethylphenol	6.54	107	137564	3.377	ug/ml	94
23) Benzoic acid	6.61	122	29521	3.287	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082415.D
Acq On : 24 Aug 2022 8:36 pm
Operator : VM
Sample : 208312-01 ms 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:12:24 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.68	93	197251	4.240	ug/ml	99
25) 2,4-Dichlorophenol	6.81	162	108605	3.166	ug/ml	96
26) 1,2,4-Trichlorobenzene	6.93	180	149507	3.478	ug/ml	99
27] Naphthalene	7.05	128	477999	3.748	ug/ml	98
28) Hexachlorobutadiene	7.22	225	117676	3.507	ug/ml	94
29) 4-Chloroaniline	7.12	127	929317	19.988	ug/ml	97
30) 4-Chloro-3-methylphenol	7.87	107	140443	4.068	ug/ml	99
31] 2-Methylnaphthalene	8.12	142	310273	3.819	ug/ml	98
32] 1-Methylnaphthalene	8.28	142	302836	3.885	ug/ml	98
34) Hexachlorocyclopentadiene	8.39	237	118766	3.831	ug/ml	96
35) 2,4,6-Trichlorophenol	8.61	196	65908	2.375	ug/ml	95
36) 2,4,5-Trichlorophenol	8.66	196	83384	2.870	ug/ml	96
38) 2-Chloronaphthalene	8.97	162	294002	4.125	ug/ml	99
39) 2-Nitroaniline	9.19	65	596547	23.688	ug/ml	96
40) Dimethyl phthalate	9.57	163	406946	4.848	ug/ml	99
41] Acenaphthylene	9.76	152	543349	4.439	ug/ml	99
42) 2,6-Dinitrotoluene	9.68	165	78388	4.912	ug/ml	91
43) 3-Nitroaniline	10.00	65	635703	22.178	ug/ml	97
44] Acenaphthene	10.12	153	376173	4.387	ug/ml	98
45) 2,4-Dinitrophenol	10.20	184	19535	2.582	ug/ml	87
46] Dibenzofuran	10.48	168	605716	4.482	ug/ml	93
47) 2,4-Dinitrotoluene	10.49	165	101173	4.705	ug/ml	90
48) 4-Nitrophenol	10.36	65	22242	1.502	ug/ml	97
49) Diethyl phthalate	11.07	149	428304	4.868	ug/ml	99
50] Fluorene	11.20	166	403326	4.558	ug/ml	100
51) 4-Chlorophenyl phenyl ...	11.26	204	198227	4.606	ug/ml	97
52) 1,2-Diphenylhydrazine	11.60	77	356314	4.563	ug/ml	97
55) N-Nitrosodiphenylamine	11.52	169	301357	4.844	ug/ml	98
56) 4-Nitroaniline	11.28	138	305258	31.531	ug/ml	94
57) 4,6-Dinitro-2-methylph...	11.35	198	22540	2.358	ug/ml	86
58) 4-Bromophenyl phenyl e...	12.34	248	132647	4.935	ug/ml	95
59) Hexachlorobenzene	12.41	284	162353	4.992	ug/ml	97
60] Pentachlorophenol	12.88	266	43863	1.906	ug/ml	99
61] Phenanthrene	13.34	178	637166	4.767	ug/ml	98
62] Anthracene	13.47	178	645169	4.929	ug/ml	99
63] Carbazole	13.89	167	532583	5.316	ug/ml	100
64) Di-n-butyl phthalate	14.89	149	816267	5.697	ug/ml	99
65] Fluoranthene	16.16	202	759592	4.998	ug/ml	97
67) Benzidine	16.58	184	66345	1.583	ug/ml	90
68] Pyrene	16.68	202	780552	5.116	ug/ml	95
70) Benzyl butyl phthalate	18.47	149	262026	5.170	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082415.D
Acq On : 24 Aug 2022 8:36 pm
Operator : VM
Sample : 208312-01 ms 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:12:24 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

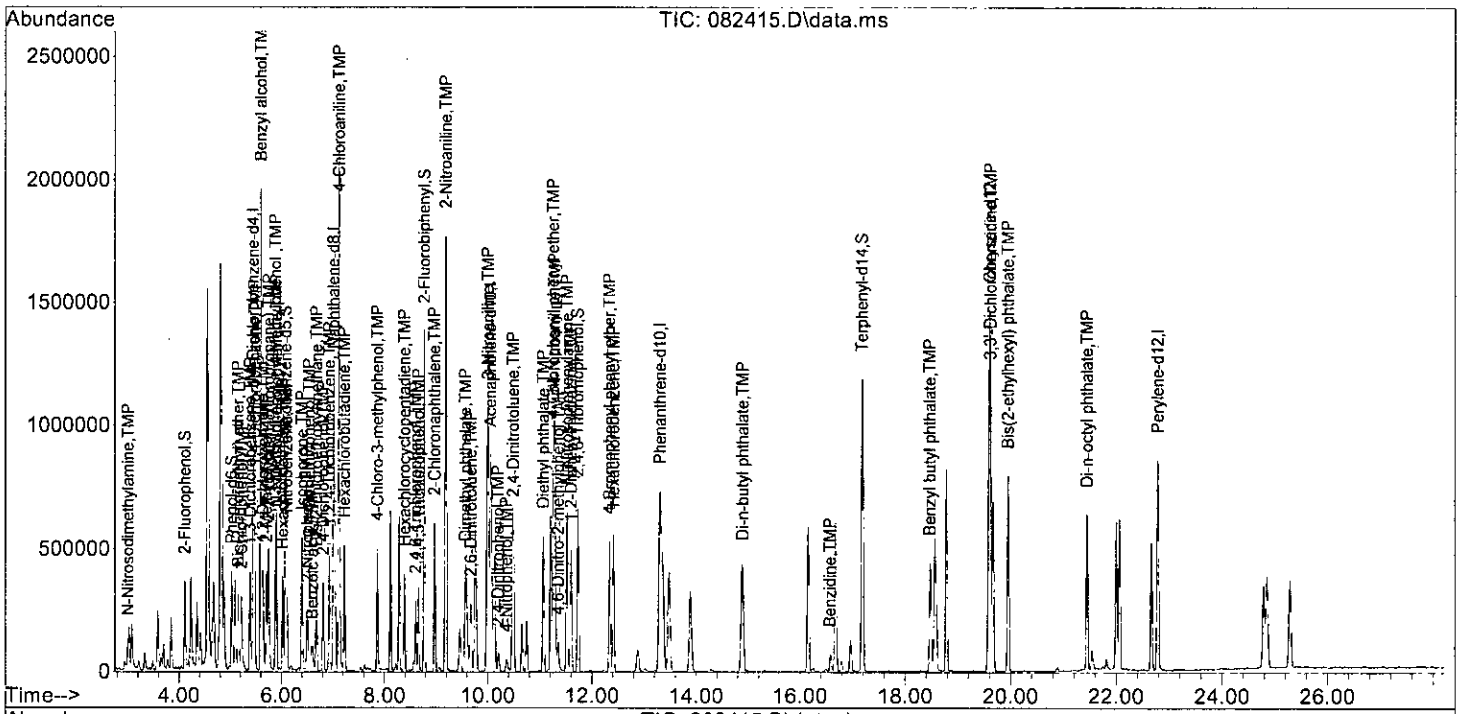
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.62	252	207401	7.345	ug/ml	99
72] Benz(a)anthracene	19.59	228	674024	5.150	ug/ml	99
73] Chrysene	19.66	228	631625	4.940	ug/ml	99
74) Bis(2-ethylhexyl) phth...	19.95	149	428239	5.972	ug/ml	100
76) Di-n-octyl phthalate	21.45	149	578868	5.447	ug/ml	100
77] Benzo(a)pyrene	22.66	252	515996	5.088	ug/ml	100
78] Benzo(b)fluoranthene	22.00	252	614622	4.935	ug/ml	99
79] Benzo(k)fluoranthene	22.06	252	604727	5.054	ug/ml	98
80] Indeno(1,2,3-cd)pyrene	24.77	276	479979m	5.756	ug/ml	
81] Dibenz(a,h)anthracene	24.85	278	483989	5.808	ug/ml	99
82] Benzo(g,h,i)perylene	25.27	276	482942	5.547	ug/ml	99

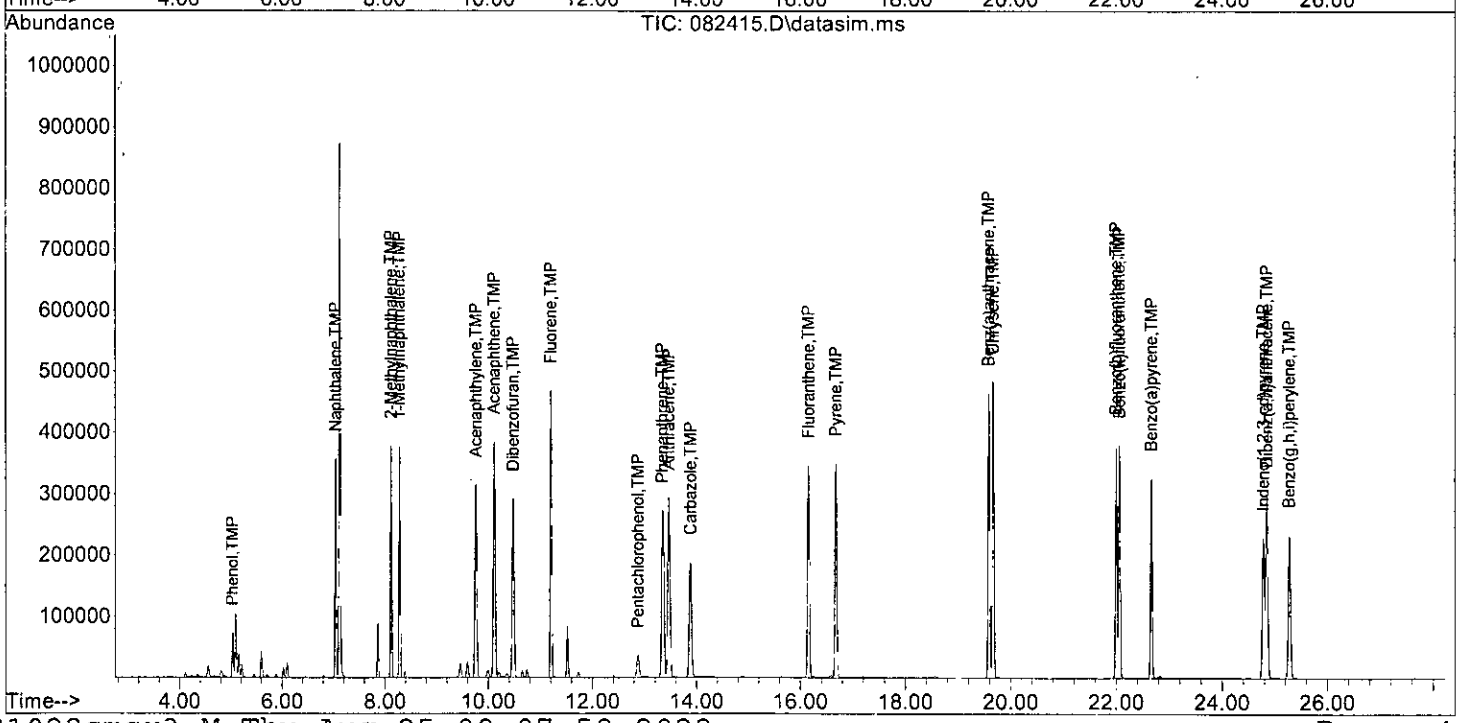
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082415.D
Acq On : 24 Aug 2022 8:36 pm
Operator : VM
Sample : 208312-01 ms 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:12:24 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

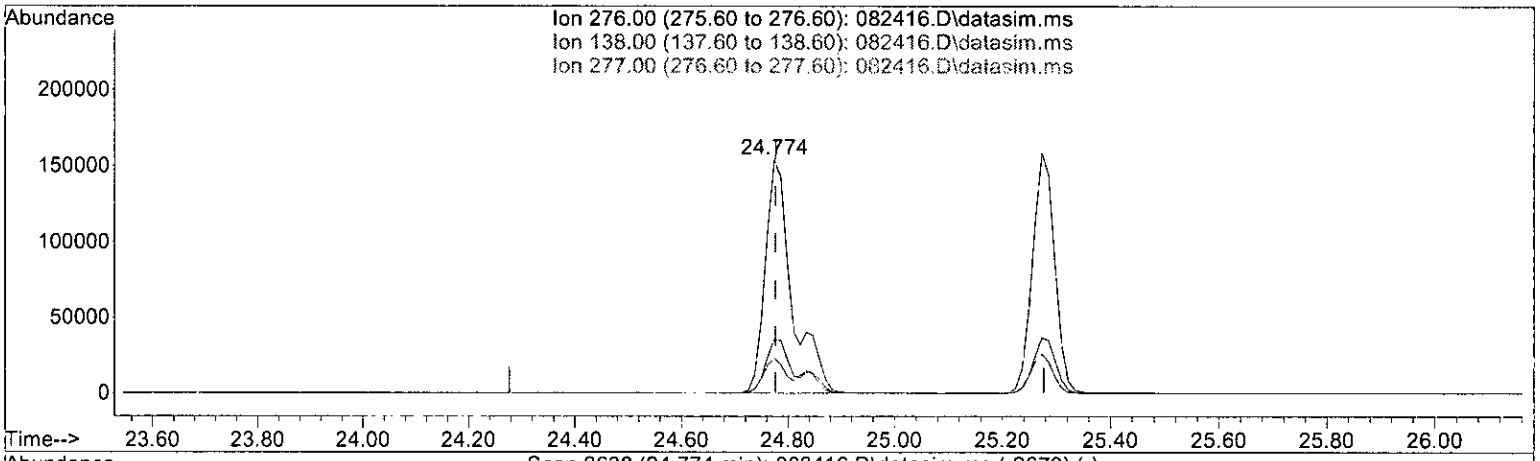


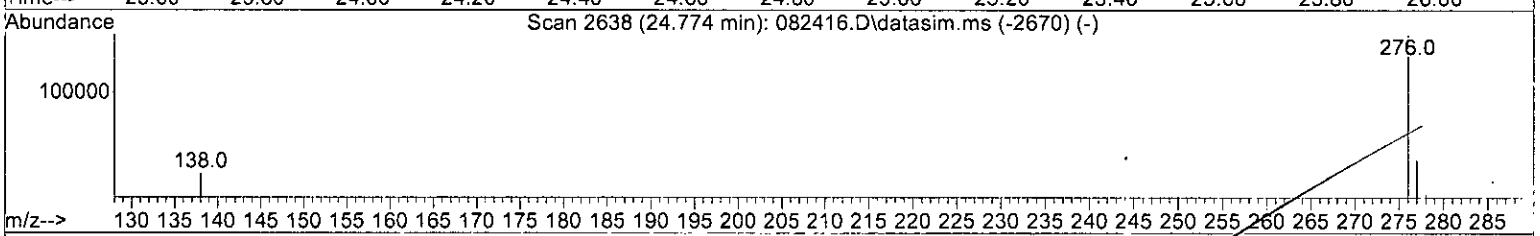


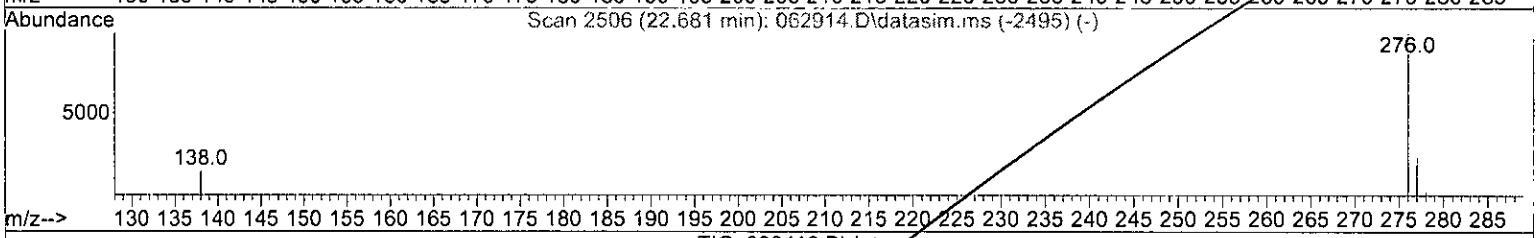
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082416.D
Acq On : 24 Aug 2022 9:10 pm
Operator : VM
Sample : 208312-01 msd 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:35 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082416.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.774min (-0.003) 6.061 ug/ml

response 544794

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.14
277.00	24.10	23.20
0.00	0.00	0.00

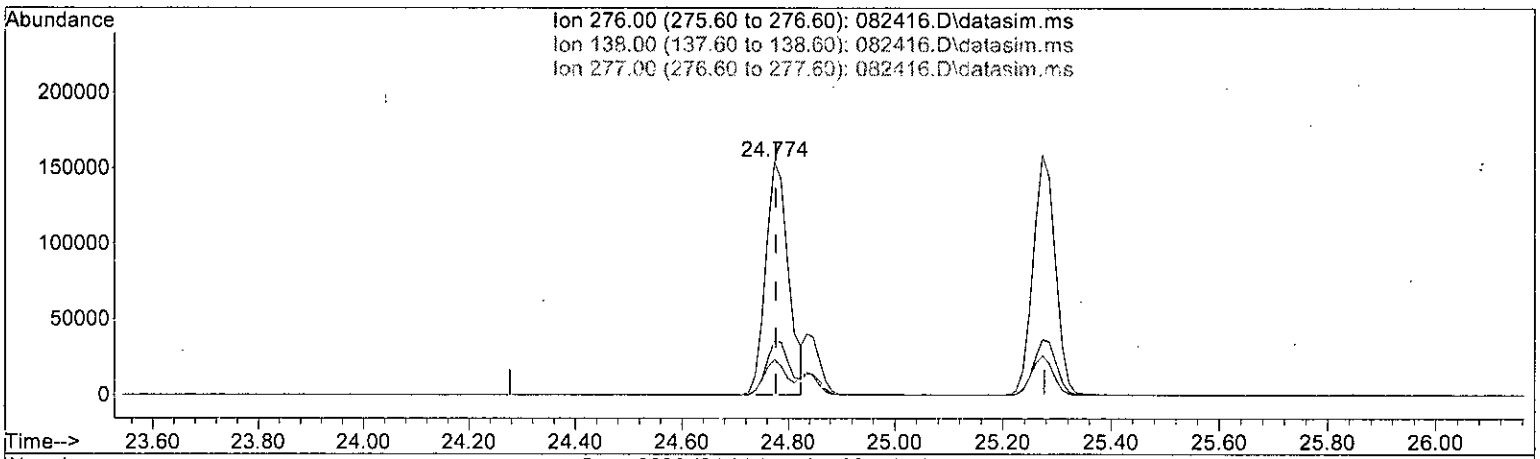
VM

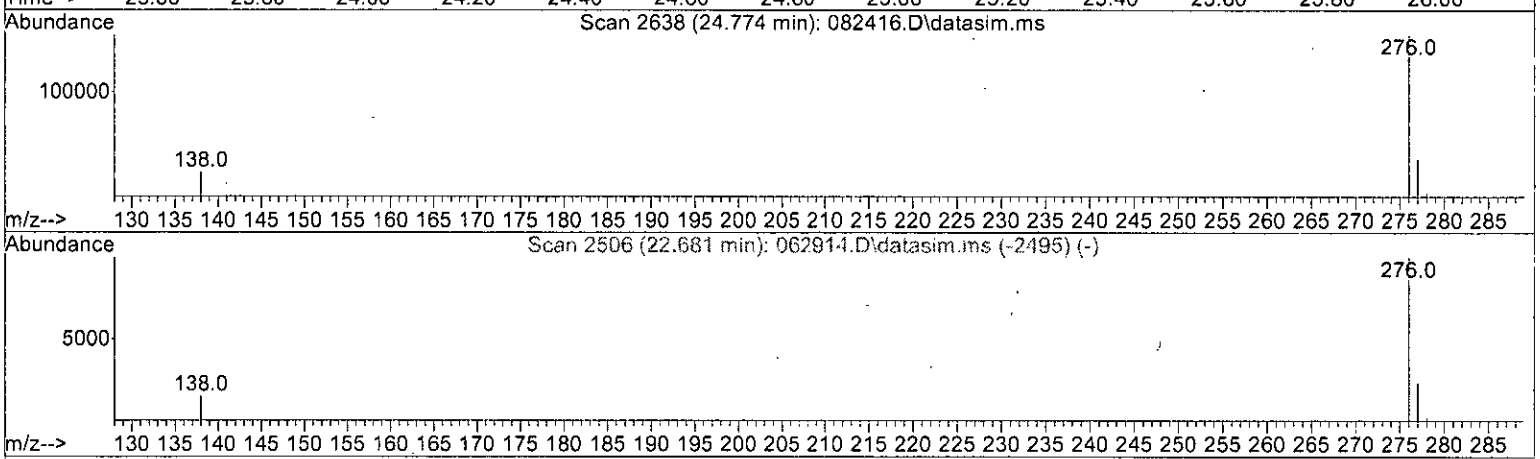
AUG 25 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082416.D
Acq On : 24 Aug 2022 9:10 pm
Operator : VM
Sample : 208312-01 msd 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:35 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 082416.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.774min (-0.003) 5.091 ug/ml m

response 457632

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.18
277.00	24.10	23.24
0.00	0.00	0.00

VM

AUG 25 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082416.D
Acq On : 24 Aug 2022 9:10 pm
Operator : VM
Sample : 208312-01 msd 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:13:15 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	263679	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	856595	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	449482	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.31	188	866425	8.000	ug/ml	0.01
66) Chrysene-d12	19.61	240	859245	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	714995	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	136016	3.879	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 25.87%			
4) Phenol-d6	5.02	99	137787	3.269	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 21.80%			
18) Nitrobenzene-d5	6.08	82	361792	8.425	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 84.20%			
37) 2-Fluorobiphenyl	8.77	172	682848	8.642	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 86.40%			
53) 2,4,6-Tribromophenol	11.73	330	123750	7.522	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 50.13%			
69) Terphenyl-d14	17.18	244	1186720	10.341	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 103.40%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.00	74	49858	2.284	ug/ml	90
5] Phenol	5.04	94	60010	1.120	ug/ml	98
6) Bis(2-chloroethyl) ether	5.16	63	161091	3.897	ug/ml	97
7) 2-Chlorophenol	5.21	128	112556	2.823	ug/ml	95
8) 1,3-Dichlorobenzene	5.38	146	156141	3.277	ug/ml	97
9) 1,4-Dichlorobenzene	5.47	146	172133	3.675	ug/ml	98
10) 1,2-Dichlorobenzene	5.63	146	151199	3.247	ug/ml	93
11) Benzyl alcohol	5.60	108	408961	16.153	ug/ml	93
12) 2,2'-Oxybis(1-chloropr...	5.75	45	396062	3.877	ug/ml	98
13) 2-Methylphenol	5.70	108	109448	3.148	ug/ml	97
14) Hexachloroethane	6.02	117	72363	3.489	ug/ml	93
15) N-Nitroso-di-n-propyla...	5.90	70	122492	4.246	ug/ml	94
16) 3-Methylphenol + 4-Met...	5.88	108	98060	2.729	ug/ml	99
19) Nitrobenzene	6.10	77	182387	4.111	ug/ml	96
20) Isophorone	6.40	82	321774	4.353	ug/ml	99
21) 2-Nitrophenol	6.49	139	51014	2.759	ug/ml	94
22) 2,4-Dimethylphenol	6.54	107	127630	3.142	ug/ml	96
23) Benzoic acid	6.59	122	13415	2.542	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082416.D
Acq On : 24 Aug 2022 9:10 pm
Operator : VM
Sample : 208312-01 msd 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:13:15 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.68	93	192165	4.142	ug/ml	98
25) 2,4-Dichlorophenol	6.80	162	105256	3.077	ug/ml	92
26) 1,2,4-Trichlorobenzene	6.93	180	152891	3.567	ug/ml	100
27] Naphthalene	7.04	128	482857	3.796	ug/ml	99
28) Hexachlorobutadiene	7.22	225	114473	3.421	ug/ml	94
29) 4-Chloroaniline	7.12	127	891511	19.228	ug/ml	99
30) 4-Chloro-3-methylphenol	7.87	107	130625	3.794	ug/ml	96
31] 2-Methylnaphthalene	8.12	142	311086	3.840	ug/ml	95
32] 1-Methylnaphthalene	8.28	142	303015	3.898	ug/ml	99
34) Hexachlorocyclopentadiene	8.39	237	113560	3.756	ug/ml	92
35) 2,4,6-Trichlorophenol	8.61	196	49988	1.847	ug/ml	99
36) 2,4,5-Trichlorophenol	8.66	196	64931	2.292	ug/ml	95
38) 2-Chloronaphthalene	8.97	162	288618	4.153	ug/ml	99
39) 2-Nitroaniline	9.18	65	526825	21.450	ug/ml	96
40) Dimethyl phthalate	9.57	163	361597	4.417	ug/ml	97
41] Acenaphthylene	9.76	152	524876	4.397	ug/ml	99
42) 2,6-Dinitrotoluene	9.66	165	70636	4.558	ug/ml	97
43) 3-Nitroaniline	9.99	65	584399	20.905	ug/ml	98
44] Acenaphthene	10.12	153	362996	4.340	ug/ml	98
45) 2,4-Dinitrophenol	10.20	184	17437	2.416	ug/ml	86
46] Dibenzofuran	10.48	168	580993	4.408	ug/ml	96
47) 2,4-Dinitrotoluene	10.48	165	93494	4.458	ug/ml	94
48) 4-Nitrophenol	10.36	65	13899	1.005	ug/ml	89
49) Diethyl phthalate	11.07	149	398944	4.649	ug/ml	99
50] Fluorene	11.20	166	380272	4.407	ug/ml	99
51) 4-Chlorophenyl phenyl ...	11.25	204	184704	4.401	ug/ml	99
52) 1,2-Diphenylhydrazine	11.60	77	337400	4.430	ug/ml	96
55) N-Nitrosodiphenylamine	11.52	169	273964	4.520	ug/ml	97
56) 4-Nitroaniline	11.28	138	292191	30.984	ug/ml	97
57) 4,6-Dinitro-2-methylph...	11.35	198	14506	1.709	ug/ml	92
58) 4-Bromophenyl phenyl e...	12.34	248	117572	4.490	ug/ml	98
59) Hexachlorobenzene	12.41	284	154279	4.870	ug/ml	98
60] Pentachlorophenol	12.88	266	28135	1.255	ug/ml	99
61] Phenanthrene	13.34	178	629406	4.834	ug/ml	98
62] Anthracene	13.47	178	628140	4.926	ug/ml	99
63] Carbazole	13.89	167	562040	5.759	ug/ml	100
64) Di-n-butyl phthalate	14.89	149	836076	5.991	ug/ml	99
65] Fluoranthene	16.16	202	829323	5.602	ug/ml	97
67) Benzidine	16.58	184	62447	1.264	ug/ml	87
68] Pyrene	16.68	202	859192	4.779	ug/ml	97
70) Benzyl butyl phthalate	18.47	149	322074	5.392	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082416.D
Acq On : 24 Aug 2022 9:10 pm
Operator : VM
Sample : 208312-01 msd 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:13:15 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

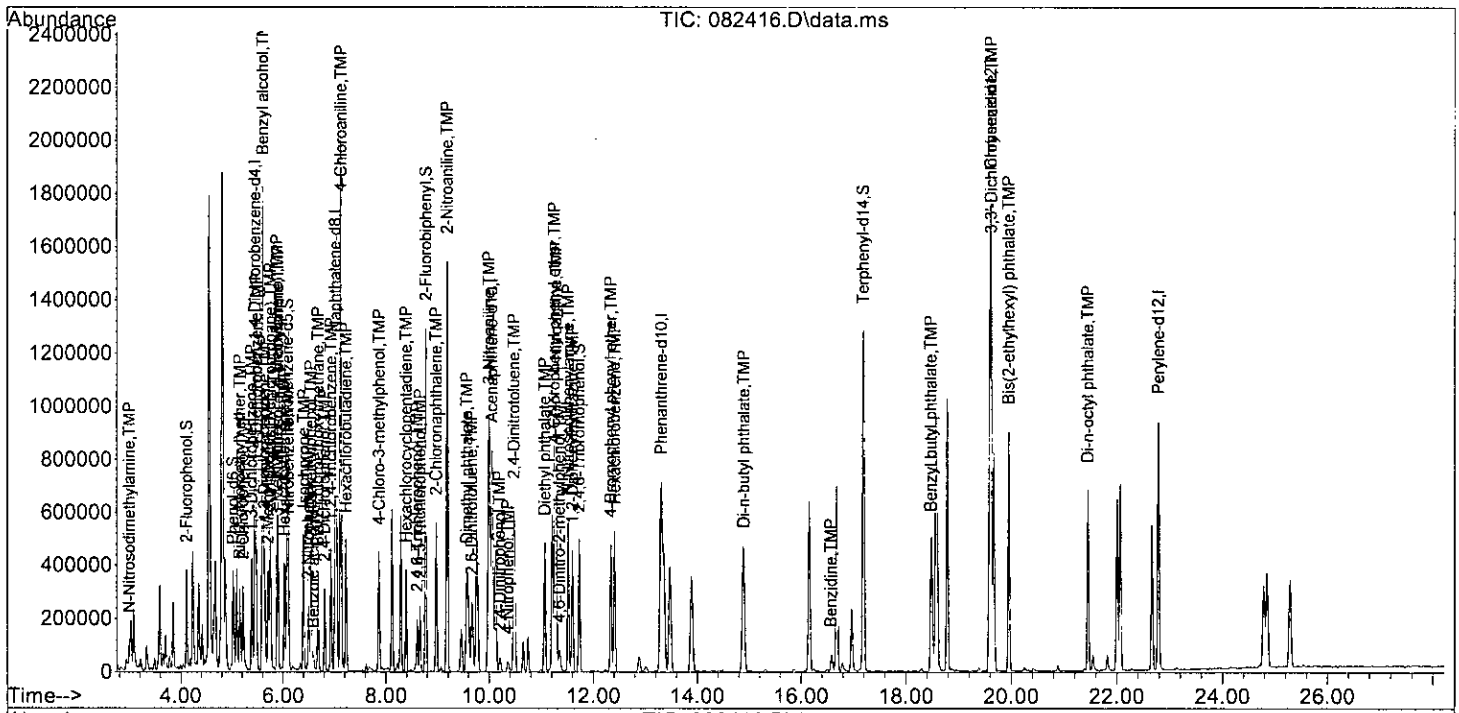
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.62	252	268998	8.084	ug/ml	99
72] Benz(a)anthracene	19.59	228	784742	5.089	ug/ml	99
73] Chrysene	19.66	228	742588	4.929	ug/ml	98
74) Bis(2-ethylhexyl) phth...	19.95	149	473964	5.609	ug/ml	97
76) Di-n-octyl phthalate	21.45	149	638665	5.563	ug/ml	99
77] Benzo(a)pyrene	22.66	252	548964	5.022	ug/ml	100
78] Benzo(b)fluoranthene	22.00	252	670739	4.996	ug/ml	99
79] Benzo(k)fluoranthene	22.06	252	668219	5.181	ug/ml	100
80] Indeno(1,2,3-cd)pyrene	24.77	276	457632m	5.091	ug/ml	
81] Dibenz(a,h)anthracene	24.85	278	458915	5.109	ug/ml	100
82] Benzo(g,h,i)perylene	25.27	276	454828	4.846	ug/ml	99

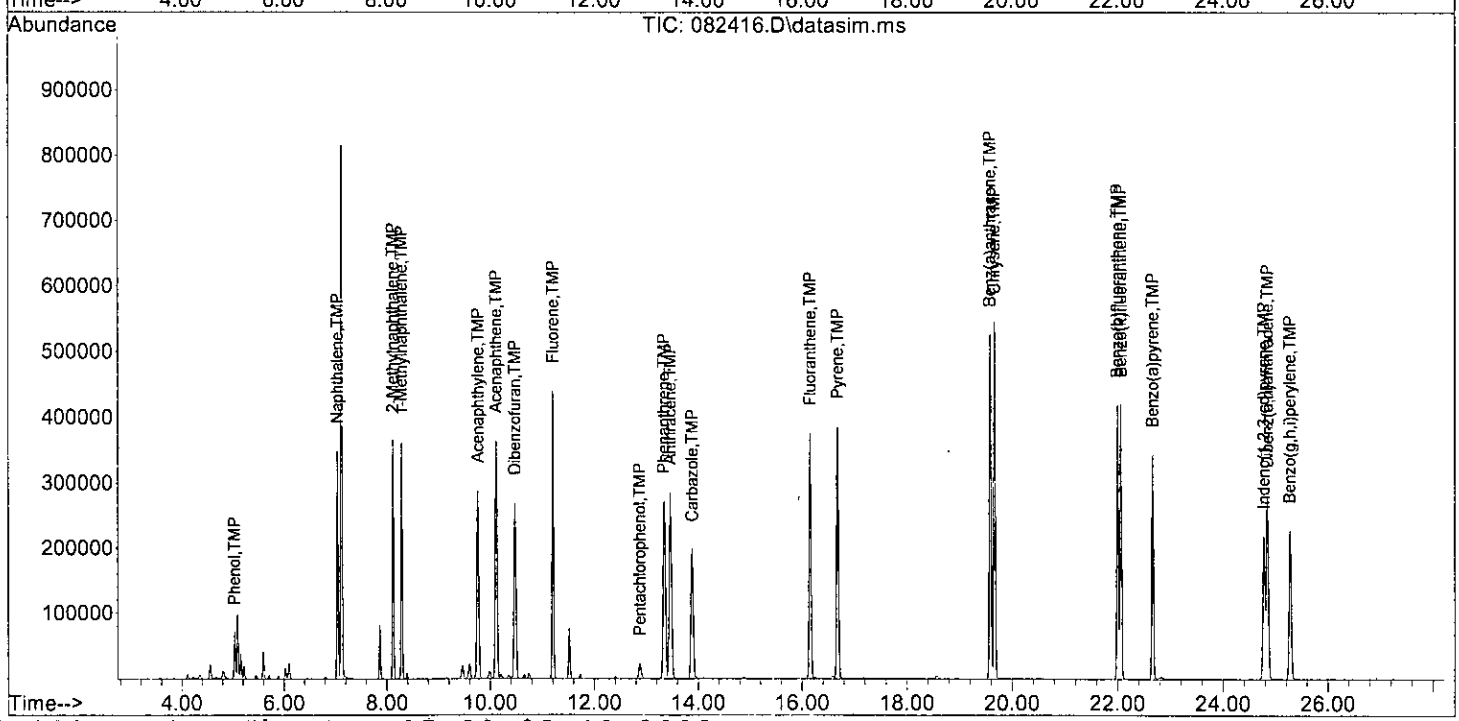
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082416.D
Acq On : 24 Aug 2022 9:10 pm
Operator : VM
Sample : 208312-01 msd 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:13:15 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





EPA 8270E
Sample Data

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	257907	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	863898	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	486137	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.30	188	865219	8.000	ug/ml	0.00
66) Chrysene-d12	19.61	240	801705	8.000	ug/ml	0.00
75) Perylene-d12	22.79	264	688659	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.12	112	145559	4.244	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 28.27%			
4) Phenol-d6	5.02	99	165966	4.026	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 26.87%			
18) Nitrobenzene-d5	6.08	82	392824	9.070	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 90.70%			
37) 2-Fluorobiphenyl	8.77	172	711594	8.327	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 83.30%			
53) 2,4,6-Tribromophenol	11.73	330	137804	7.745	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 51.60%			
69) Terphenyl-d14	17.19	244	1111182	10.377	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 103.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.04	94	973	N.D.		
6) Bis(2-chloroethyl) ether	5.03	63	276	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.45	108	1491	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.72	45	317	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	6.04	117	555	N.D.		
15) N-Nitroso-di-n-propyla...	5.82	70	461	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.07	77	1494	N.D.		
20) Isophorone	0.00		0	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.		
23) Benzoic acid	0.00		0	N.D.		

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.63	93	138	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27)	Naphthalene	7.04	128	954	N.D.		
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	0.00		0	N.D.		
30)	4-Chloro-3-methylphenol	7.79	107	451	N.D.		
31)	2-Methylnaphthalene	8.12	142	327	N.D.		
32)	1-Methylnaphthalene	8.28	142	478	N.D.		
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.		
39)	2-Nitroaniline	9.07	65	241	N.D.		
40)	Dimethyl phthalate	9.45	163	525	N.D.		
41)	Acenaphthylene	9.76	152	133	N.D.		
42)	2,6-Dinitrotoluene	0.00		0	N.D.		
43)	3-Nitroaniline	10.05	65	3523	N.D.		
44)	Acenaphthene	10.11	153	223	N.D.		
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46)	Dibenzofuran	10.48	168	799	N.D.		
47)	2,4-Dinitrotoluene	0.00		0	N.D.		
48)	4-Nitrophenol	0.00		0	N.D.		
49)	Diethyl phthalate	11.06	149	3889	N.D.		
50)	Fluorene	11.20	166	177	N.D.		
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	11.73	77	408	N.D.		
55)	N-Nitrosodiphenylamine	0.00		0	N.D.		
56)	4-Nitroaniline	0.00		0	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	12.88	266	215	N.D.		
61)	Phenanthrene	13.35	178	1209	N.D.		
62)	Anthracene	13.47	178	132	N.D.		
63)	Carbazole	13.91	167	234	N.D.		
64)	Di-n-butyl phthalate	14.89	149	3652	N.D.		
65)	Fluoranthene	16.15	202	438	N.D.		
67)	Benzidine	0.00		0	N.D.		
68)	Pyrene	16.68	202	517	N.D.		
70)	Benzyl butyl phthalate	18.56	149	4096	N.D.		

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

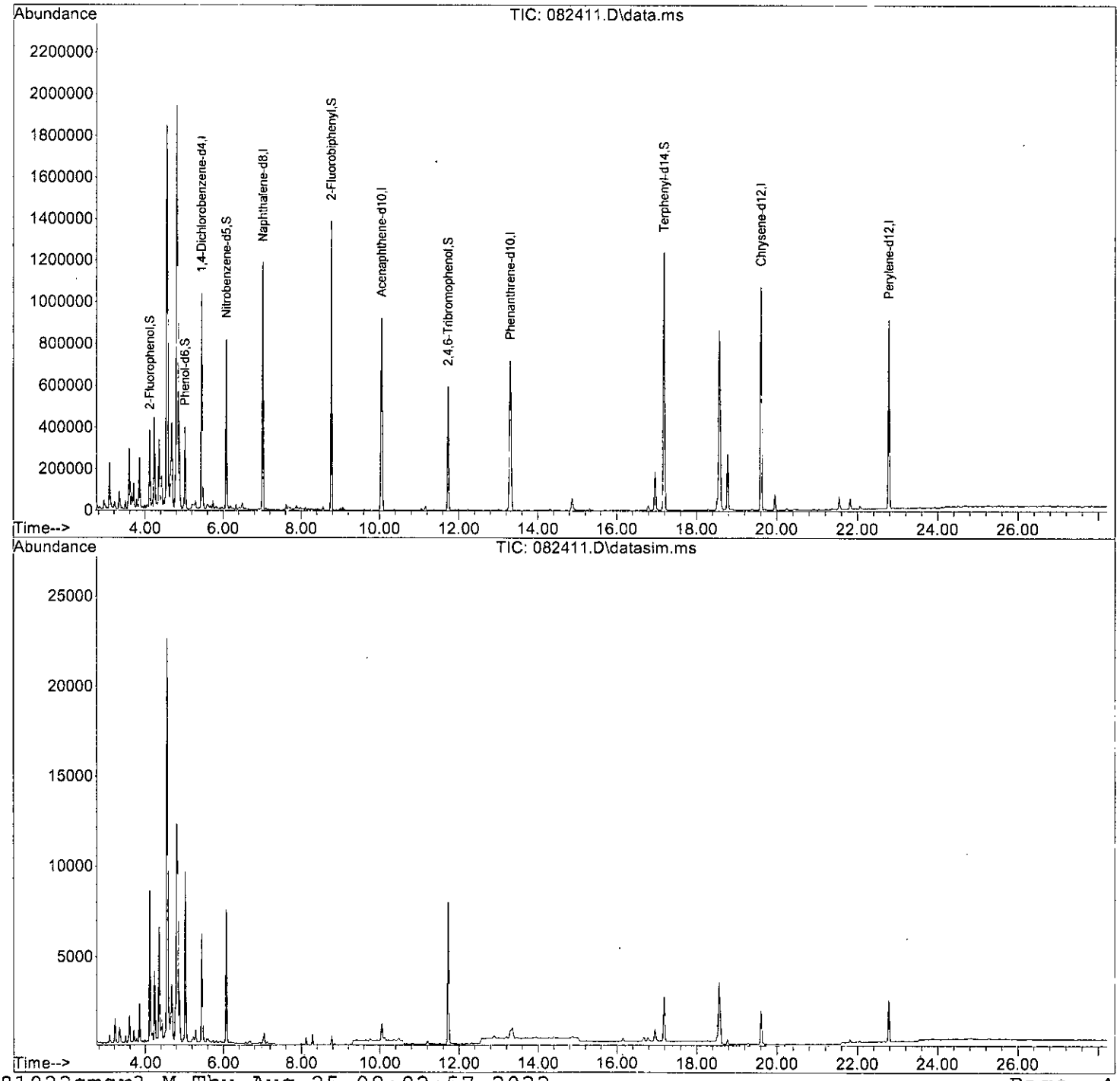
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.60	228	2658	N.D.		
73) Chrysene	19.66	228	105	N.D.		
74) Bis(2-ethylhexyl) phth...	19.95	149	41226	N.D.		
76) Di-n-octyl phthalate	21.45	149	2128	N.D.		
77) Benzo(a)pyrene	22.66	252	123	N.D.		
78) Benzo(b)fluoranthene	21.99	252	149	N.D.		
79) Benzo(k)fluoranthene	22.05	252	138	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.78	276	149	N.D.		
81) Dibenz(a,h)anthracene	24.84	278	150	N.D.		
82) Benzo(g,h,i)perylene	25.26	276	121	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082411.D
Acq On : 24 Aug 2022 6:23 pm
Operator : VM
Sample : 208312-01 1/2
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:07:33 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082412.D
Acq On : 24 Aug 2022 6:57 pm
Operator : VM
Sample : 208312-02 1/2
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:08:07 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	259193	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	873180	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	485823	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.31	188	914885	8.000	ug/ml	0.01
66) Chrysene-d12	19.61	240	808127	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	666243	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	117540	3.410	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 22.73%			
4) Phenol-d6	5.02	99	140023	3.380	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 22.53%			
18) Nitrobenzene-d5	6.08	82	385114	8.797	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 88.00%			
37) 2-Fluorobiphenyl	8.77	172	676662	7.924	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 79.20%			
53) 2,4,6-Tribromophenol	11.73	330	125354	7.050	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 47.00%			
69) Terphenyl-d14	17.19	244	1146519	10.622	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 106.20%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.04	94	1082	N.D.		
6) Bis(2-chloroethyl) ether	5.03	63	452	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.45	108	1281	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.76	45	1128	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	6.05	117	140	N.D.		
15) N-Nitroso-di-n-propyla...	5.87	70	962	N.D.		
16) 3-Methylphenol + 4-Met...	5.96	108	161	N.D.		
19) Nitrobenzene	6.07	77	2476	N.D.		
20) Isophorone	6.37	82	148	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	6.44	107	128	N.D.		
23) Benzoic acid	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082412.D
Acq On : 24 Aug 2022 6:57 pm
Operator : VM
Sample : 208312-02 1/2
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:08:07 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.56	93	287	N.D.		
25) 2,4-Dichlorophenol	0.00		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
27) Naphthalene	7.04	128	1058	N.D.		
28) Hexachlorobutadiene	0.00		0	N.D.		
29) 4-Chloroaniline	7.11	127	750	N.D.		
30) 4-Chloro-3-methylphenol	7.90	107	613	N.D.		
31) 2-Methylnaphthalene	8.12	142	325	N.D.		
32] 1-Methylnaphthalene	8.28	142	2369	0.030	ug/ml	99
34) Hexachlorocyclopentadiene	0.00		0	N.D.		
35) 2,4,6-Trichlorophenol	0.00		0	N.D.		
36) 2,4,5-Trichlorophenol	0.00		0	N.D.		
38) 2-Chloronaphthalene	0.00		0	N.D.		
39) 2-Nitroaniline	9.08	65	2586	N.D.		
40) Dimethyl phthalate	0.00		0	N.D.		
41) Acenaphthylene	9.76	152	259	N.D.		
42) 2,6-Dinitrotoluene	0.00		0	N.D.		
43) 3-Nitroaniline	10.05	65	2744	N.D.		
44) Acenaphthene	10.12	153	303	N.D.		
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46) Dibenzofuran	10.48	168	982	N.D.		
47) 2,4-Dinitrotoluene	0.00		0	N.D.		
48) 4-Nitrophenol	10.27	65	227	N.D.		
49) Diethyl phthalate	11.05	149	4565	N.D.		
50) Fluorene	11.20	166	494	N.D.		
51) 4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52) 1,2-Diphenylhydrazine	11.72	77	448	N.D.		
55) N-Nitrosodiphenylamine	0.00		0	N.D.		
56) 4-Nitroaniline	0.00		0	N.D.		
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.		
59) Hexachlorobenzene	0.00		0	N.D.		
60) Pentachlorophenol	12.89	266	490	N.D.		
61) Phenanthrene	13.34	178	1222	N.D.		
62) Anthracene	13.47	178	262	N.D.		
63) Carbazole	13.92	167	226	N.D.		
64) Di-n-butyl phthalate	14.89	149	4501	N.D.		
65) Fluoranthene	16.16	202	493	N.D.		
67) Benzidine	0.00		0	N.D.		
68) Pyrene	16.67	202	563	N.D.		
70) Benzyl butyl phthalate	18.52	149	454	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082412.D
Acq On : 24 Aug 2022 6:57 pm
Operator : VM
Sample : 208312-02 1/2
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:08:07 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

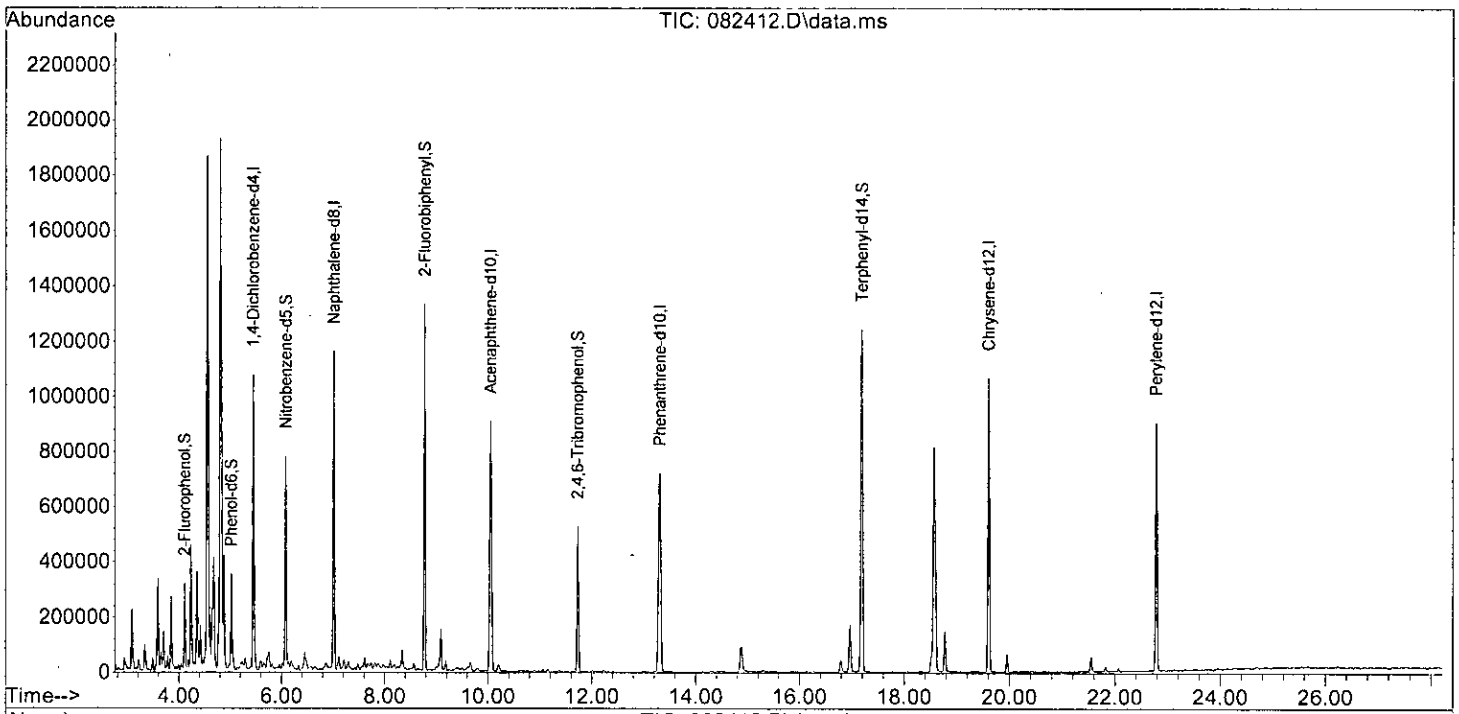
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.61	228	2674	N.D.		
73) Chrysene	19.66	228	79	N.D.		
74) Bis(2-ethylhexyl) phth...	19.95	149	35422	N.D.		
76) Di-n-octyl phthalate	21.48	149	485	N.D.		
77) Benzo(a)pyrene	22.66	252	112	N.D.		
78) Benzo(b)fluoranthene	22.00	252	137	N.D.		
79) Benzo(k)fluoranthene	22.06	252	107	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.77	276	105	N.D.		
81) Dibenz(a,h)anthracene	0.00		0	N.D.		
82) Benzo(g,h,i)perylene	25.27	276	118	N.D.		

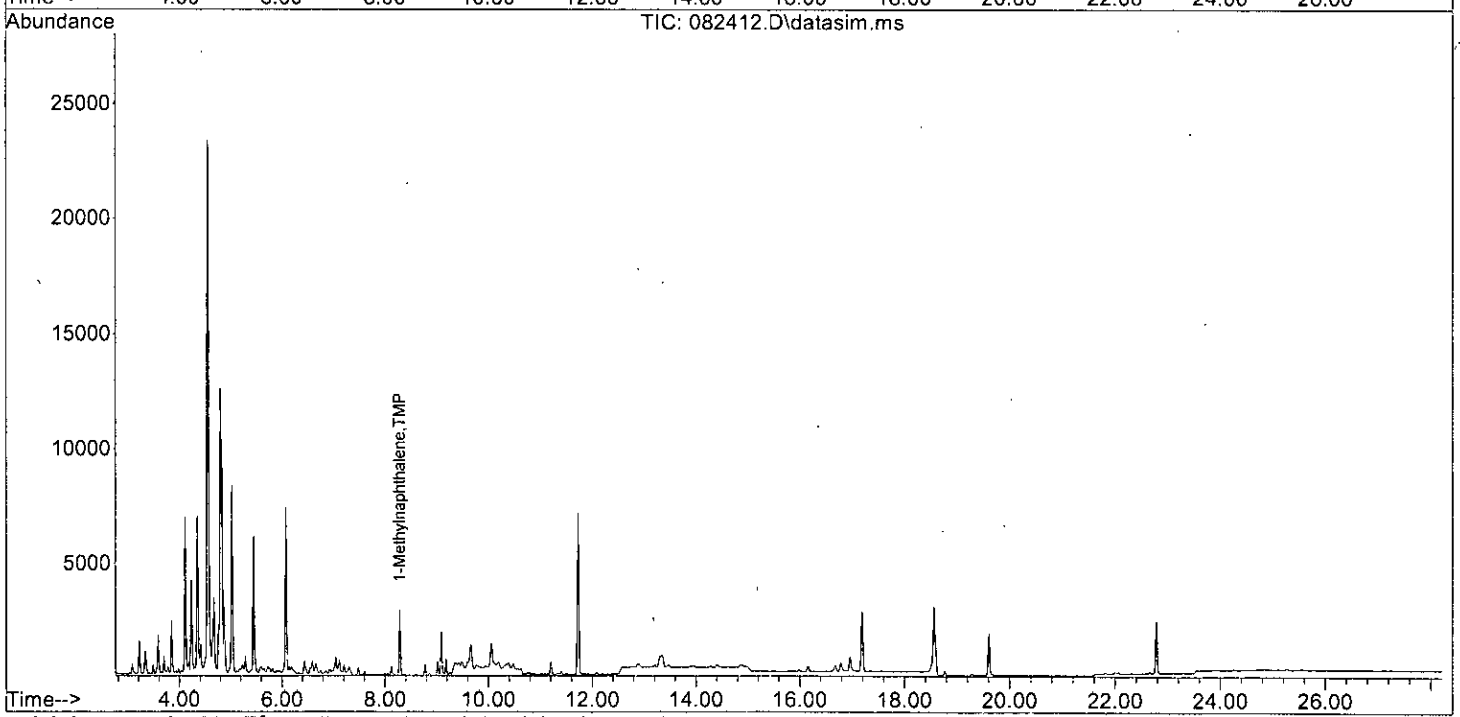
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082412.D
Acq On : 24 Aug 2022 6:57 pm
Operator : VM
Sample : 208312-02 1/2
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:08:07 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

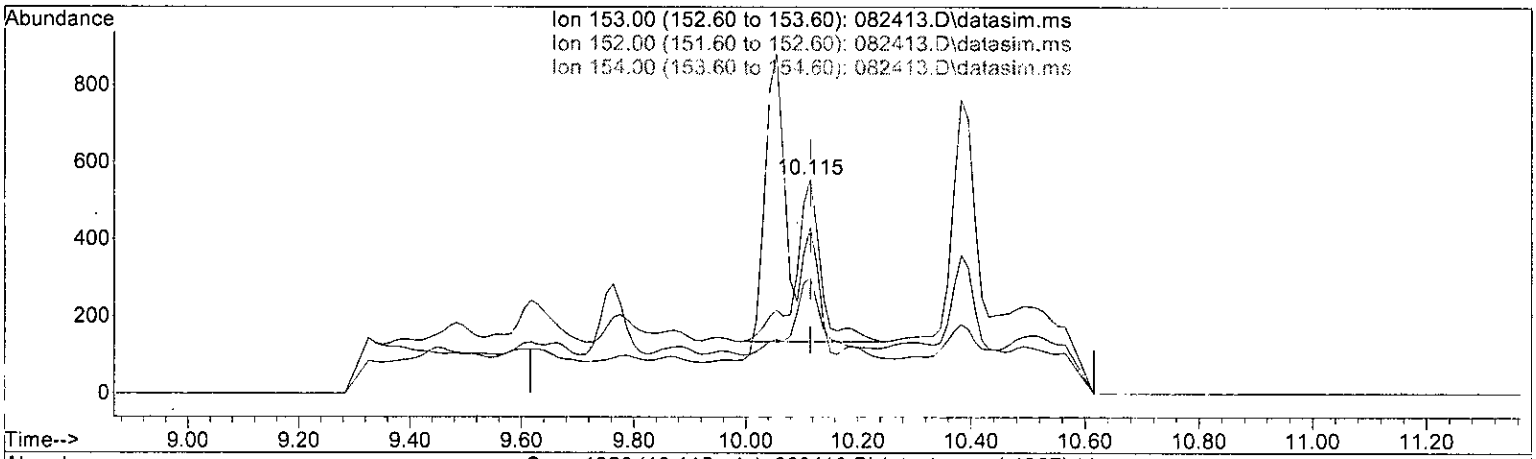


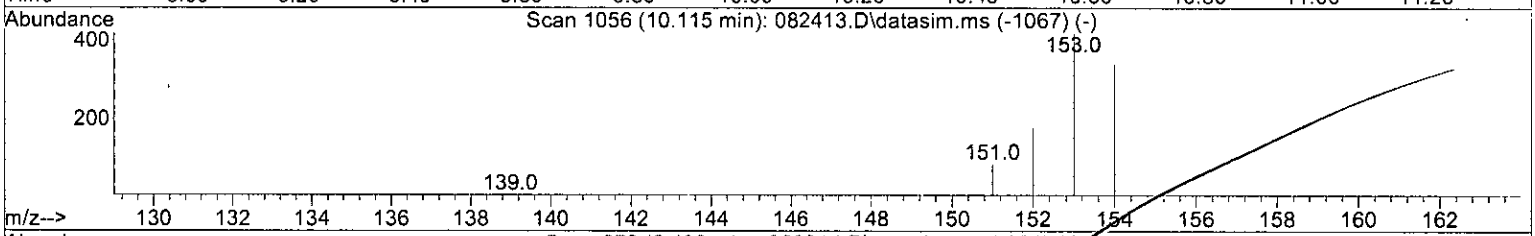


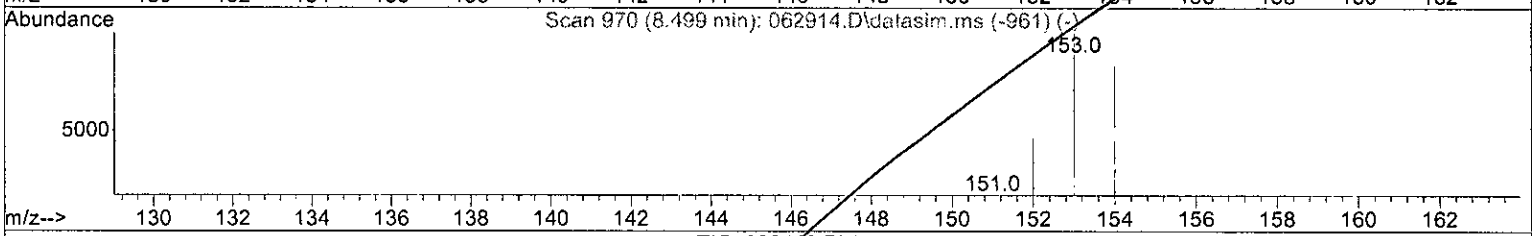
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:20 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082413.D\data.ms

(44) Acenaphthene (TMP)

10.115min (-0.001) 0.016 ug/ml

response 1370

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	47.62
154.00	80.40	81.67
0.00	0.00	0.00

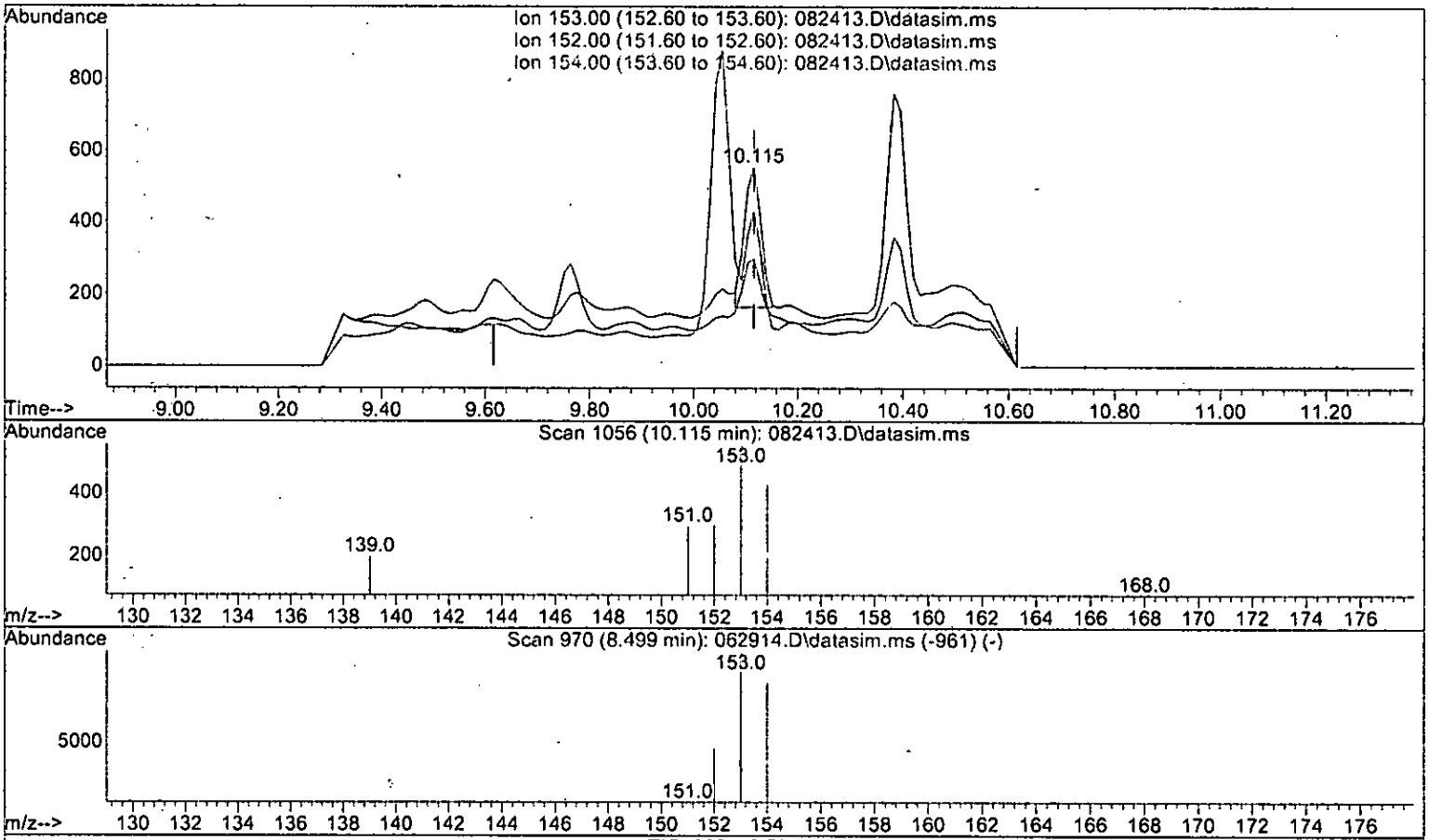
VM

AUG 25 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:20 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082413.D\data.ms

(44) Acenaphthene (TMP)

10.115min (-0.001) 0.011 ug/ml m

response 880

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	54.05
154.00	80.40	77.48
0.00	0.00	0.00

VM

AUG 25 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:09:04 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

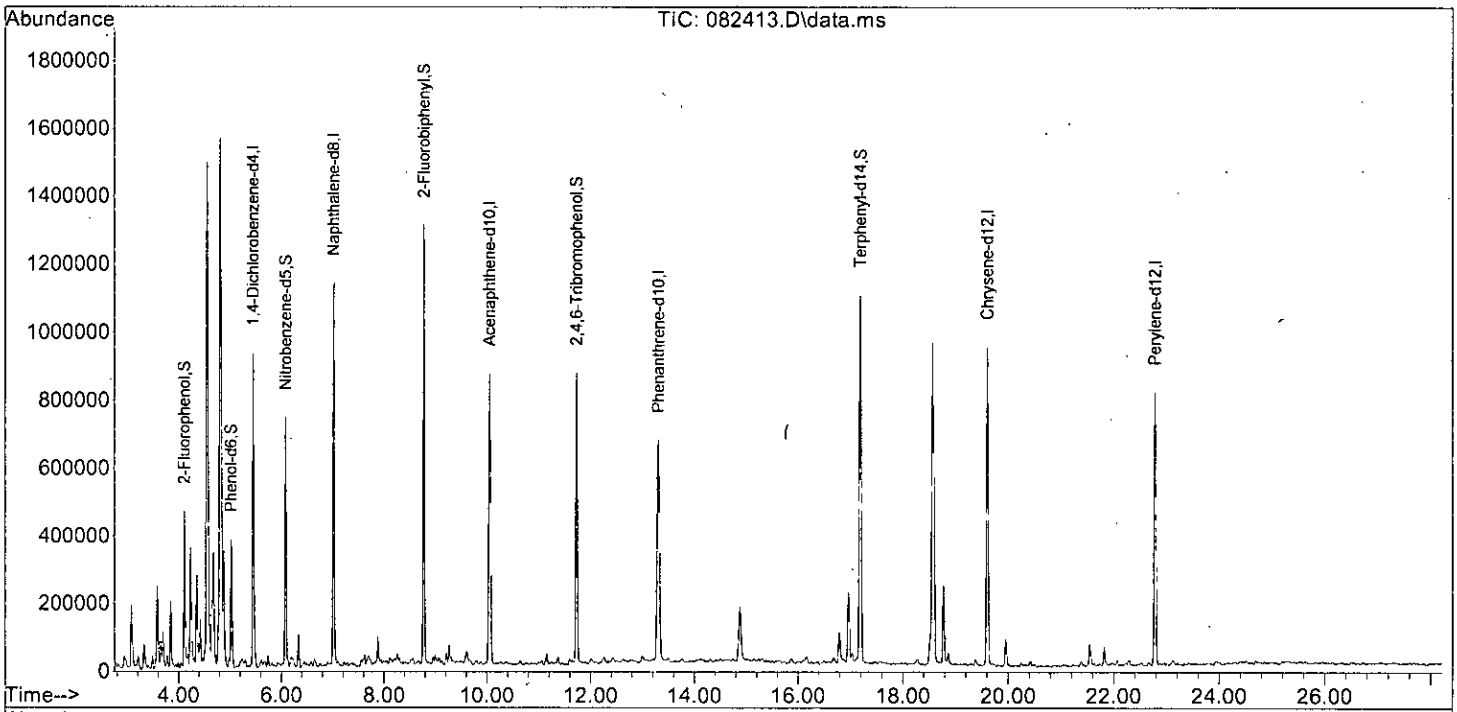
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	239808	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	811580	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	446277	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.31	188	837433	8.000	ug/ml	0.01
66) Chrysene-d12	19.61	240	710080	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	591608	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	184779	5.794	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 38.60%			
4) Phenol-d6	5.02	99	143880	3.753	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 25.00%			
18) Nitrobenzene-d5	6.08	82	353465	8.687	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 86.90%			
37) 2-Fluorobiphenyl	8.77	172	650078	8.287	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 82.90%			
53) 2,4,6-Tribromophenol	11.73	330	204772	12.536	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 83.60%			
69) Terphenyl-d14	17.19	244	969182	10.219	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 102.20%			
Target Compounds						Qvalue
27] Naphthalene	7.05	128	2056	0.017	ug/ml	95
32] 1-Methylnaphthalene	8.28	142	761	0.010	ug/ml	95
44] Acenaphthene	10.12	153	880m	0.011	ug/ml	
50] Fluorene	11.21	166	1695	0.020	ug/ml	98
62] Anthracene	13.47	178	1897	0.015	ug/ml	86
65] Fluoranthene	16.16	202	6126	0.043	ug/ml	95
68] Pyrene	16.67	202	8679	0.058	ug/ml	76
72] Benz(a)anthracene	19.60	228	3598	0.012	ug/ml	72
73] Chrysene	19.66	228	1369	0.011	ug/ml	98
77] Benzo(a)pyrene	22.66	252	1758	0.019	ug/ml	96
78] Benzo(b)fluoranthene	22.00	252	2358	0.021	ug/ml	94
80] Indeno(1,2,3-cd)pyrene	24.77	276	1602	0.022	ug/ml	97
82] Benzo(g,h,i)perylene	25.27	276	2275	0.029	ug/ml	99

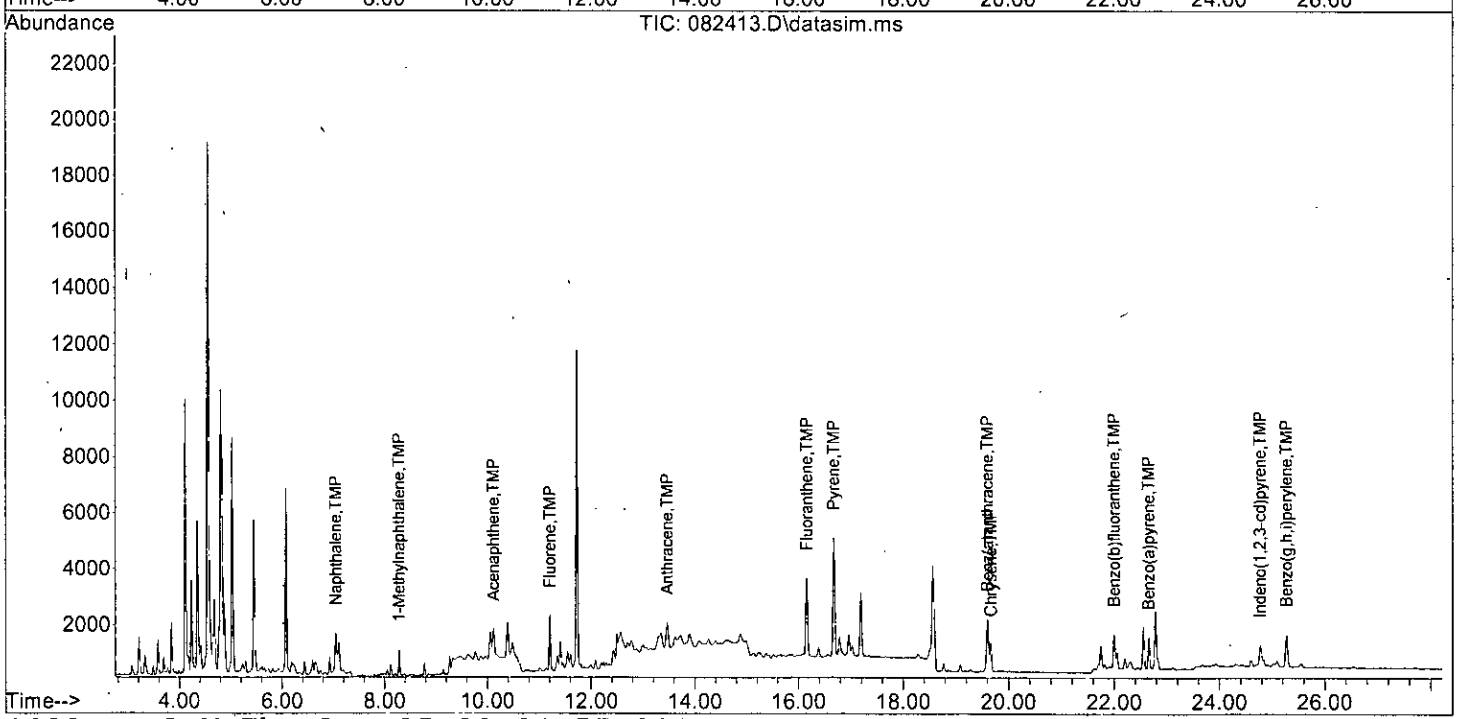
(#) = qualifier out of range (m) = manual integration (+) = signals summed

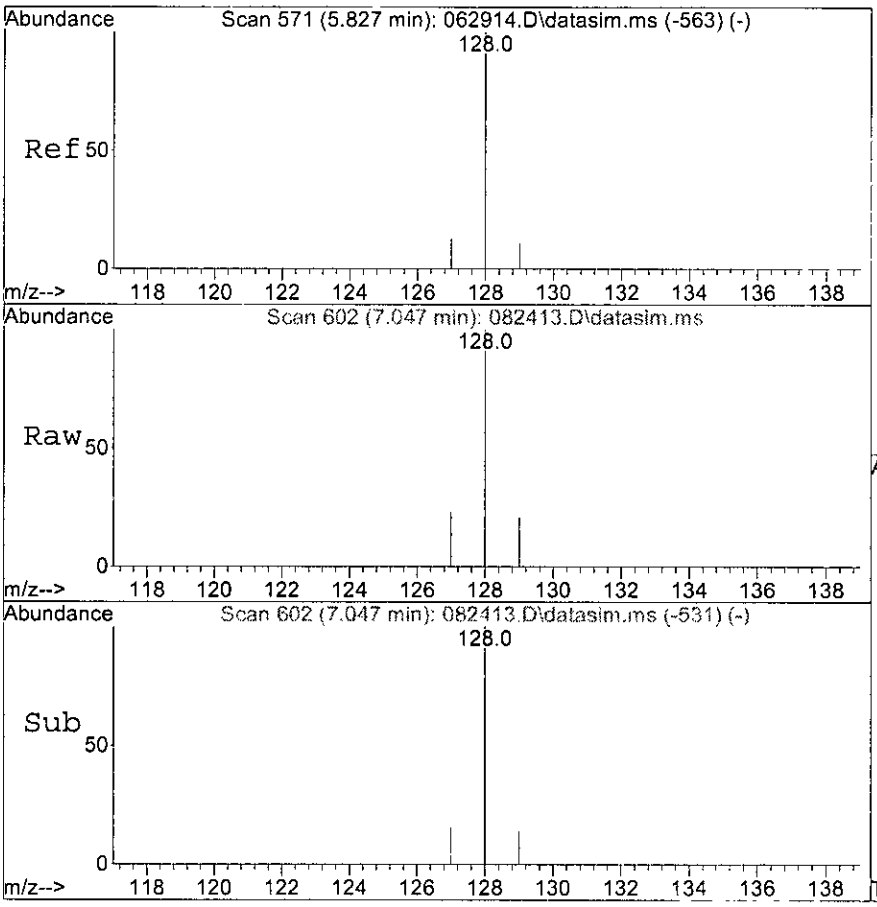
Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:09:04 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



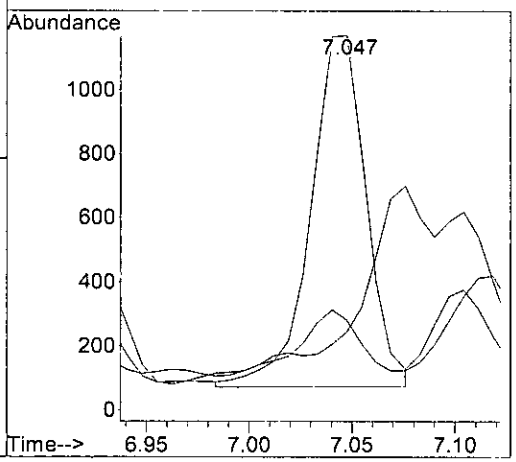


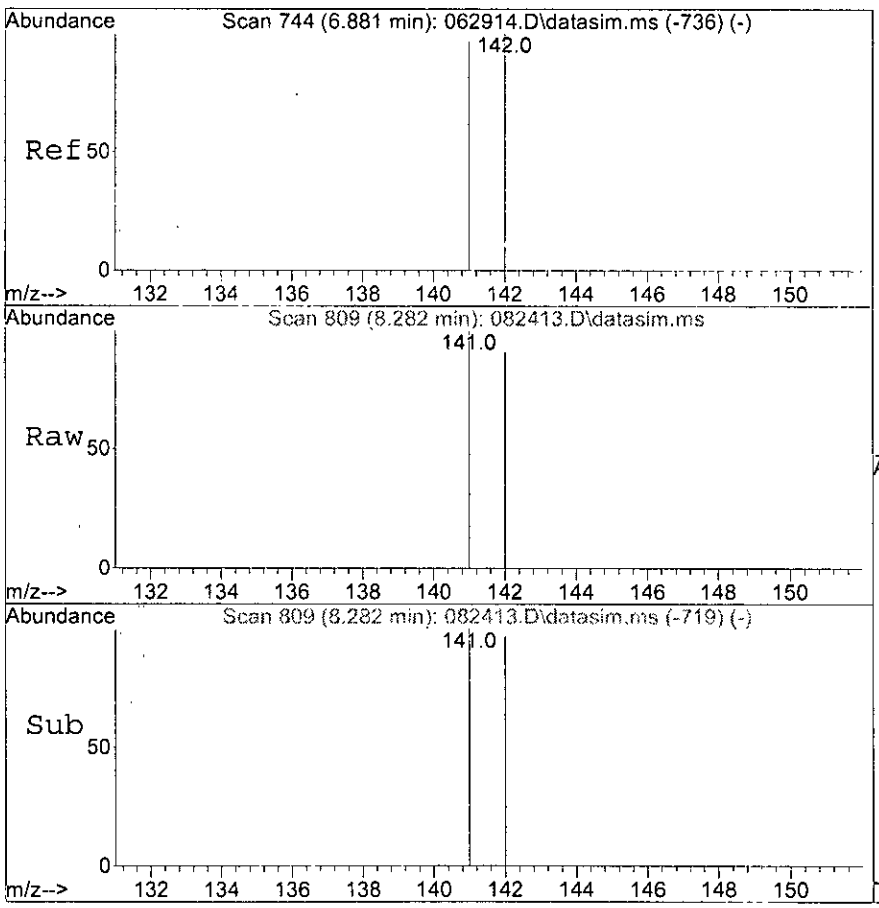


#27
Naphthalene
Concen: 0.017 ug/ml
RT: 7.05 min Scan# 602
Delta R.T. 0.007 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:128 Resp: 2056

Ion	Ratio	Lower	Upper
128	100		
129	11.9	0.0	40.7
127	16.3	0.0	43.6

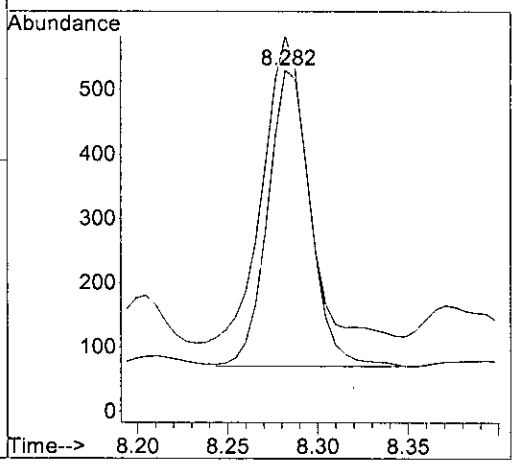


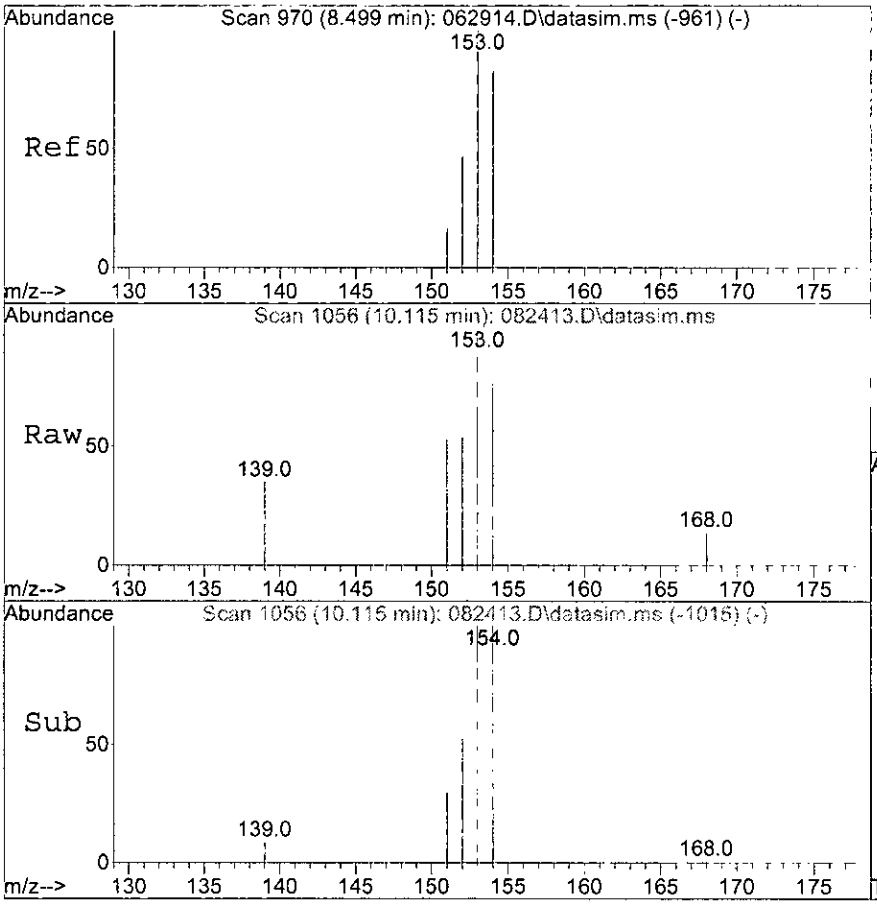


#32
1-Methylnaphthalene
Concen: 0.010 ug/ml
RT: 8.28 min Scan# 809
Delta R.T. -0.001 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:142 Resp: 761

Ion	Ratio	Lower	Upper
142	100		
141	101.7	66.8	126.8

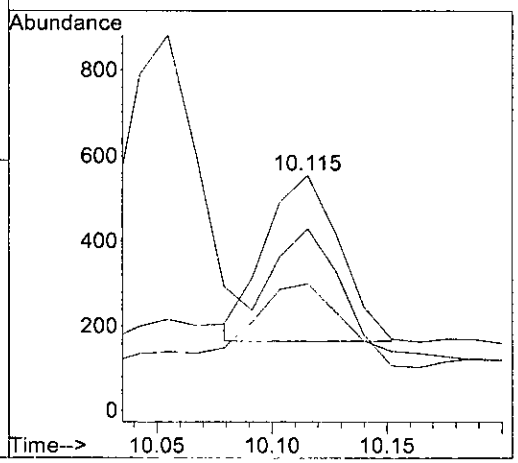


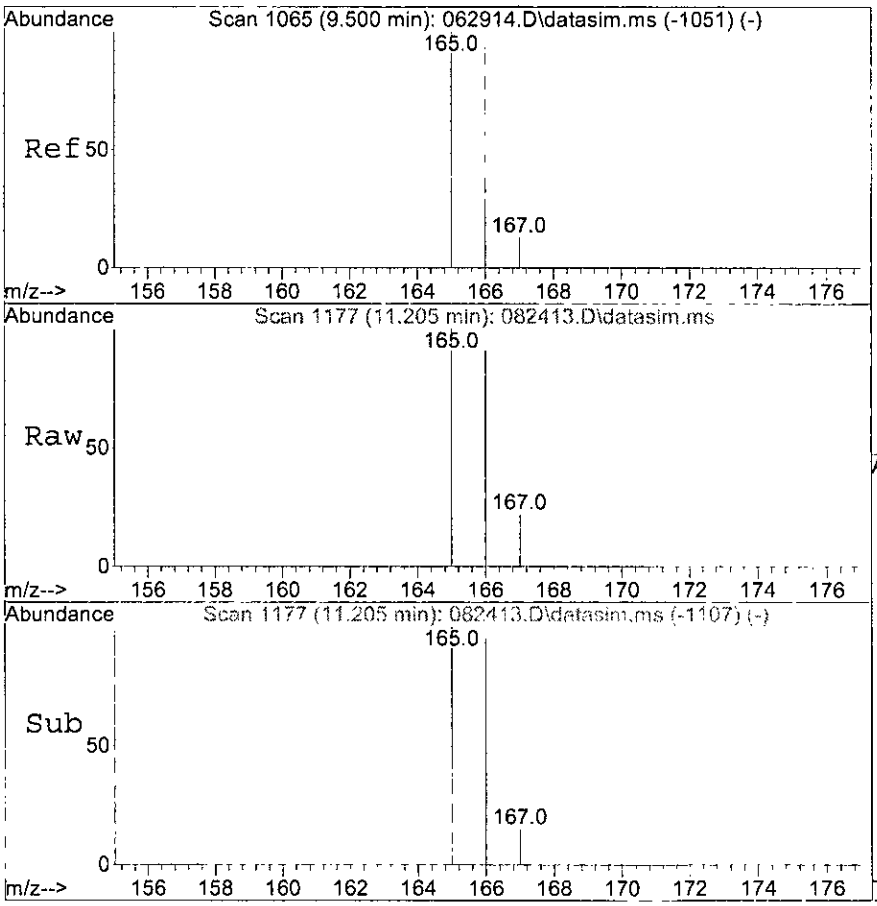


#44
Acenaphthene
Concen: 0.011 ug/ml m
RT: 10.12 min Scan# 1056
Delta R.T. -0.001 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:153 Resp: 880

Ion	Ratio	Lower	Upper
153	100		
152	54.1	18.9	78.9
154	77.5	50.4	110.4

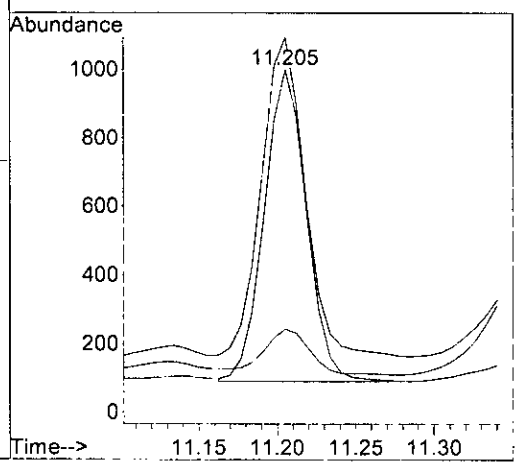


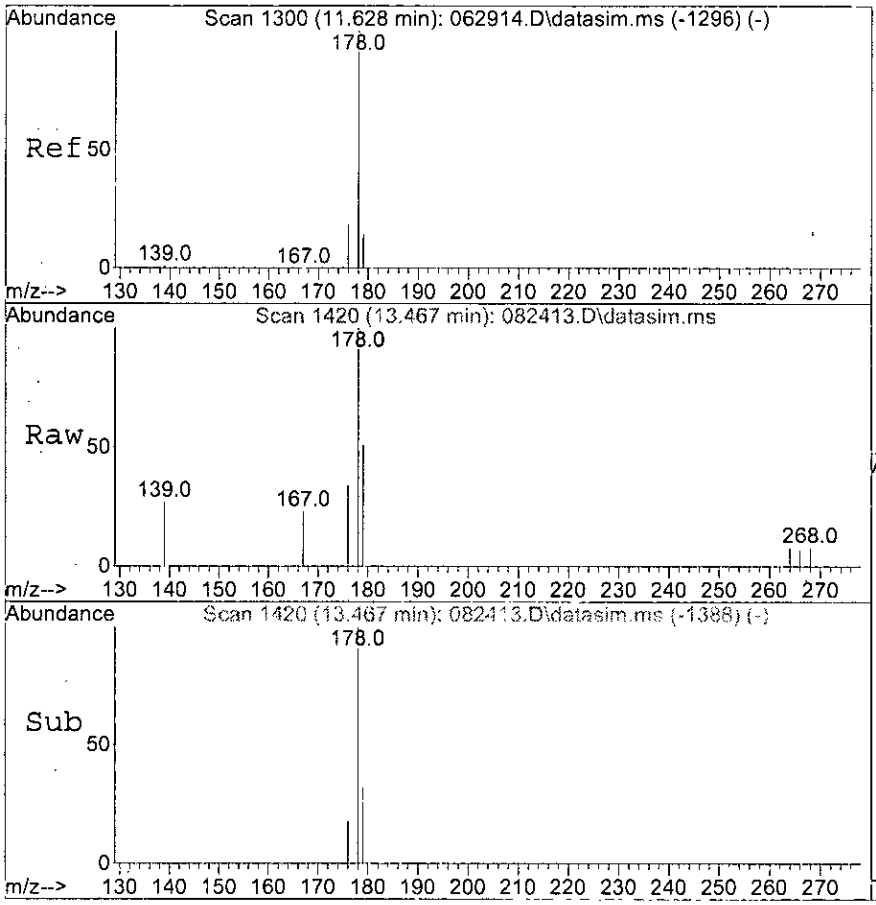


#50
Fluorene
Concen: 0.020 ug/ml
RT: 11.21 min Scan# 1177
Delta R.T. -0.003 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:166 Resp: 1695

Ion	Ratio	Lower	Upper
166	100		
165	102.5	74.9	134.9
167	14.5	0.0	43.5

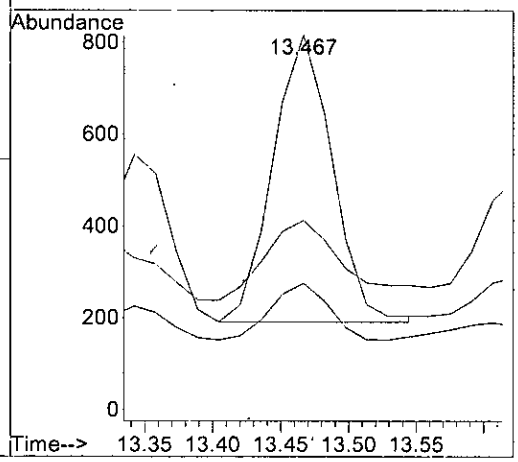


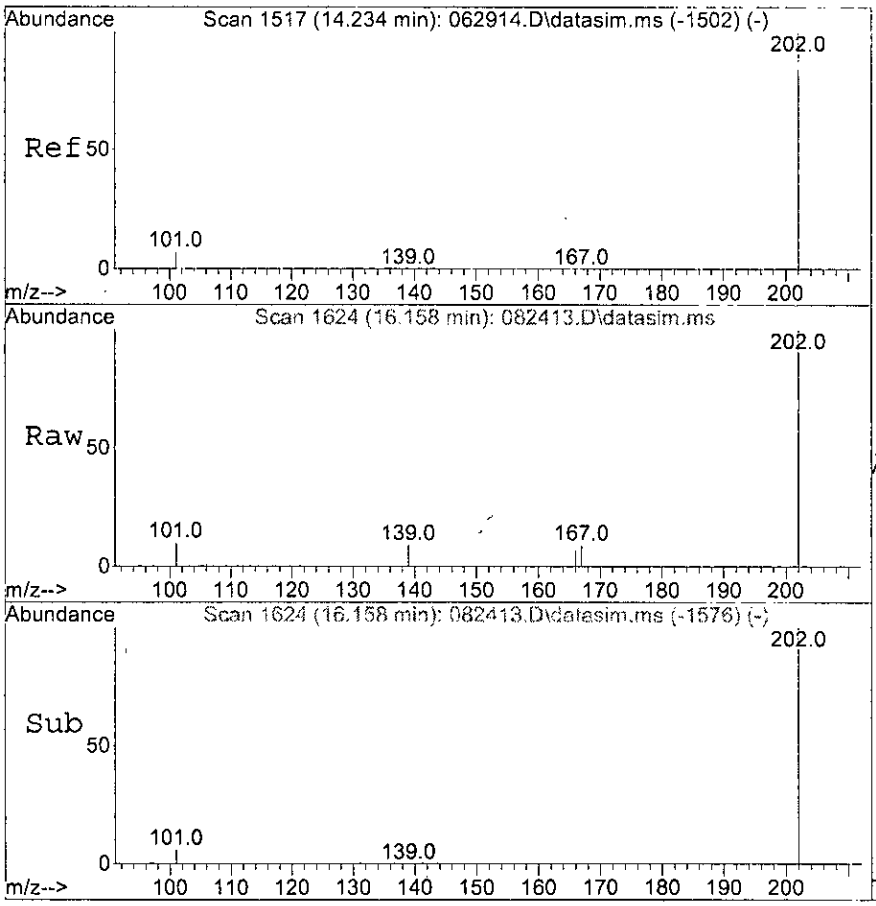


#62
Anthracene
Concen: 0.015 ug/ml
RT: 13.47 min Scan# 1420
Delta R.T. -0.003 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:178 Resp: 1897

Ion	Ratio	Lower	Upper
178	100		
179	27.9	0.0	44.8
176	19.7	0.0	49.4

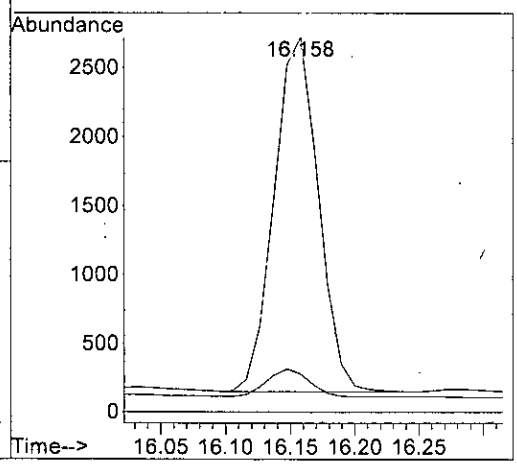


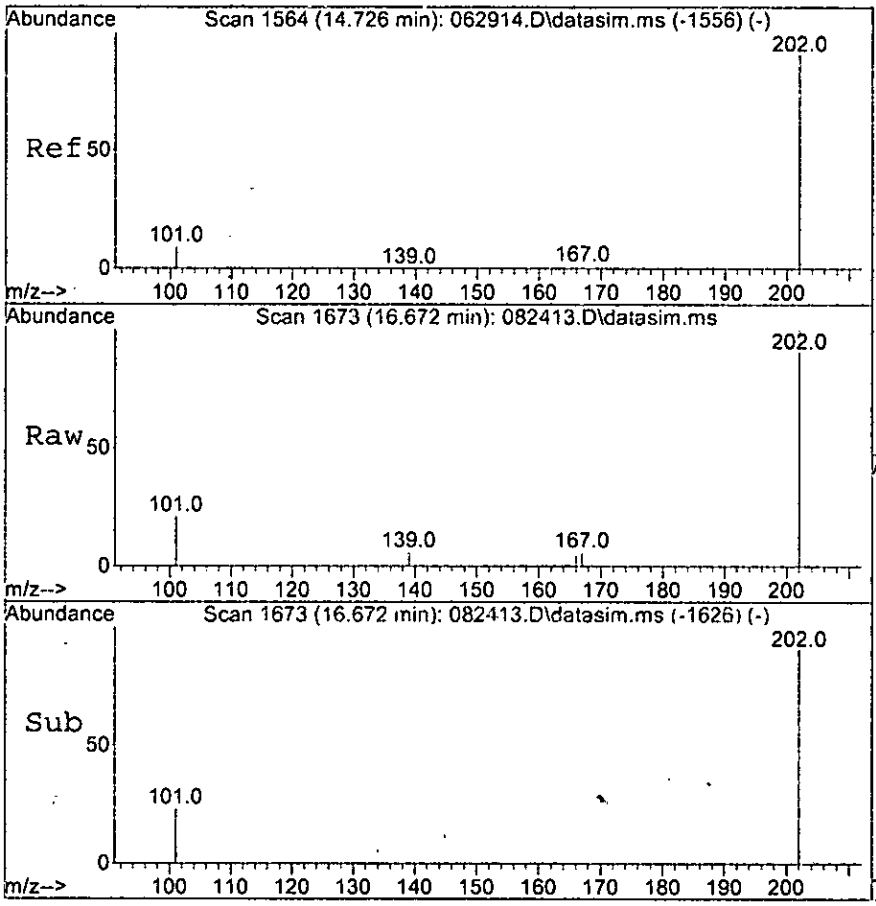


#65
Fluoranthene
Concen: 0.043 ug/ml
RT: 16.16 min Scan# 1624
Delta R.T. 0.007 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:202 Resp: 6126

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	38.3
203	0.0	0.0	30.0

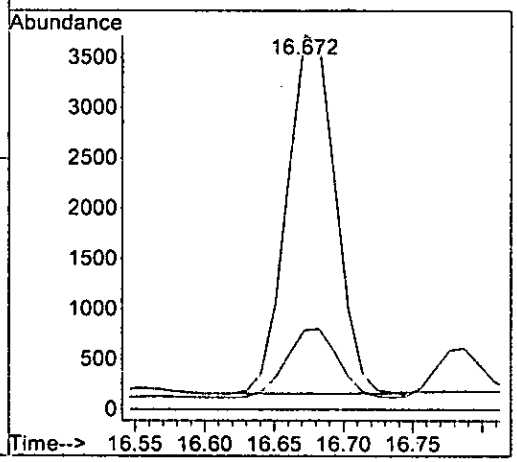


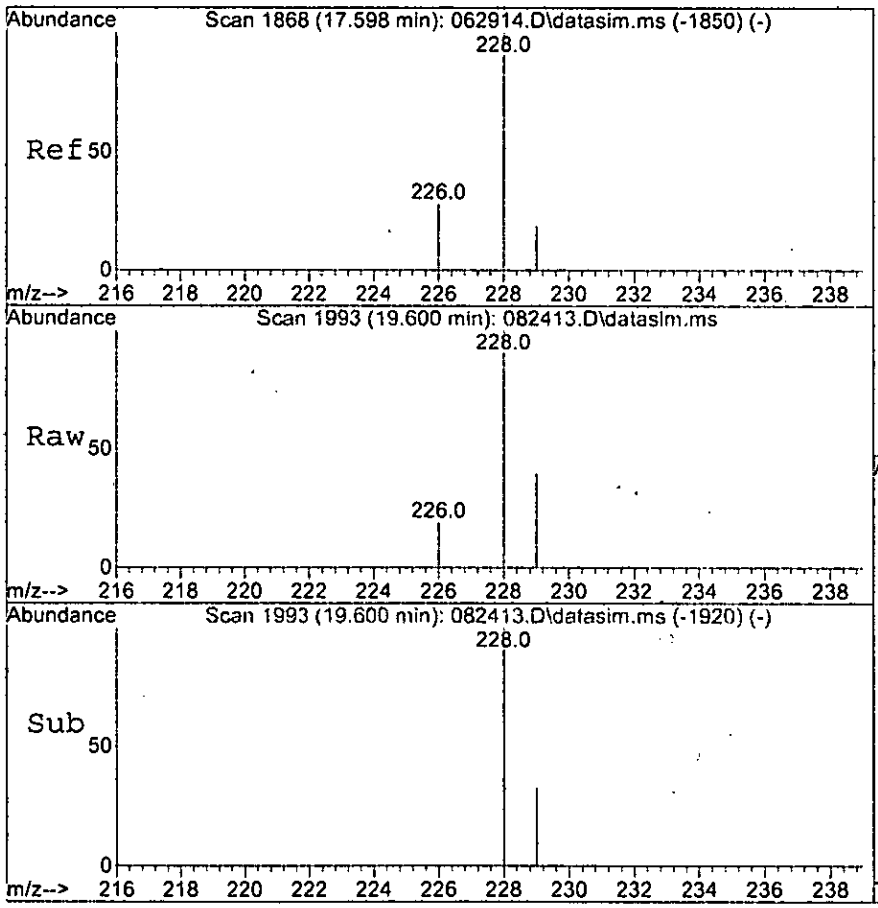


#68
Pyrene
Concen: 0.058 ug/ml
RT: 16.67 min Scan# 1673
Delta R.T. -0.003 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:202 Resp: 8679

Ion	Ratio	Lower	Upper
202	100		
101	18.8	0.0	39.8
203	0.0	0.0	30.0

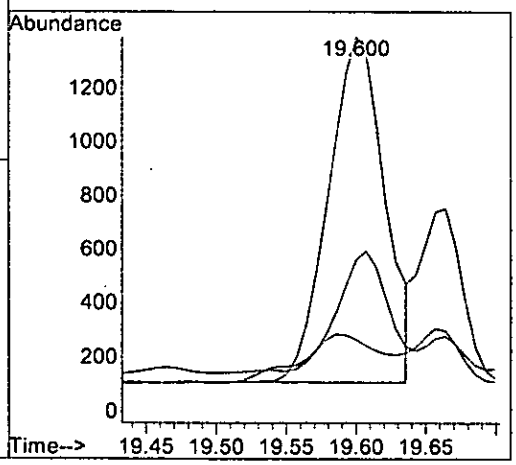


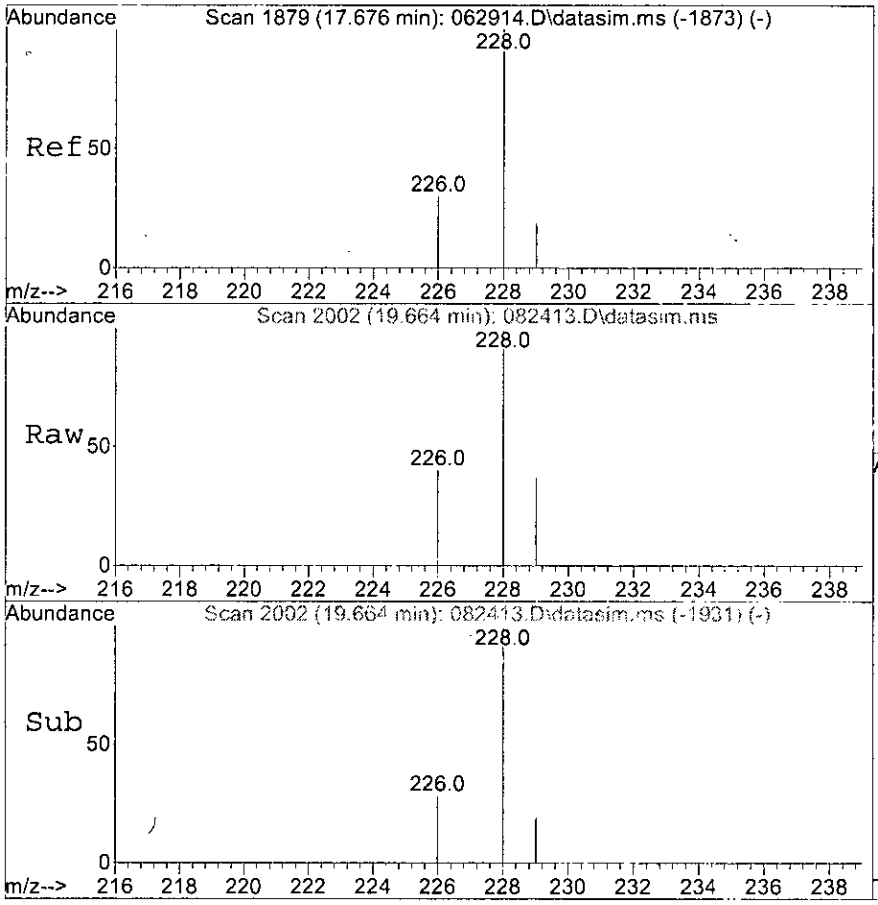


#72
Benz(a)anthracene
Concen: 0.012 ug/ml
RT: 19.60 min Scan# 1993
Delta R.T. 0.018 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:228 Resp: 3598

Ion	Ratio	Lower	Upper
228	100		
229	32.6	0.0	49.6
226	12.6	0.0	56.9

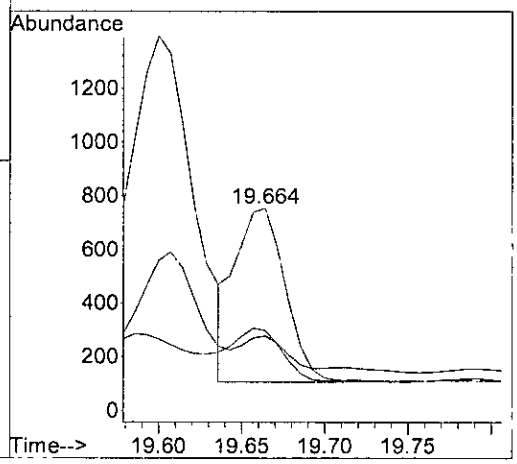


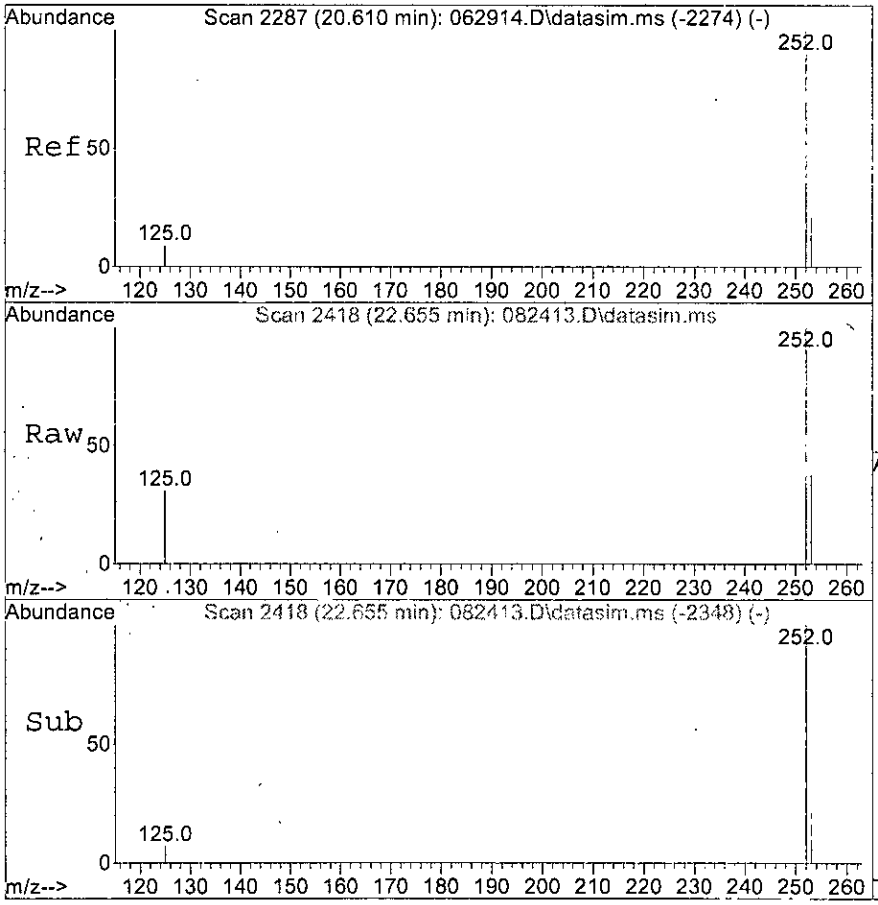


#73
Chrysene
Concen: 0.011 ug/ml
RT: 19.66 min Scan# 2002
Delta R.T. 0.004 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:228 Resp: 1369

Ion	Ratio	Lower	Upper
228	100		
226	29.1	0.1	60.1
229	20.9	0.0	49.4

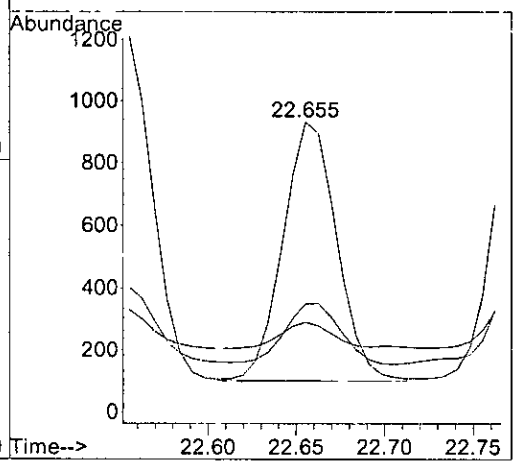


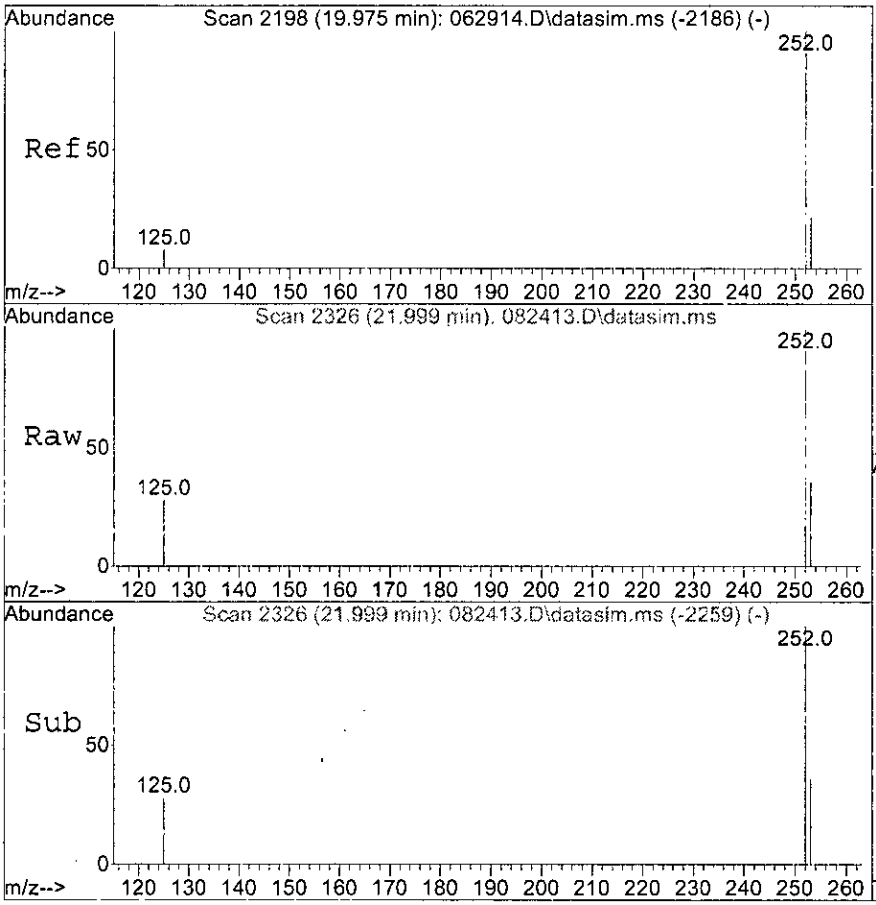


#77
Benzo(a)pyrene
Concen: 0.019 ug/ml
RT: 22.66 min Scan# 2418
Delta R.T. -0.003 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:252 Resp: 1758

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	51.7
125	10.3	0.0	38.4

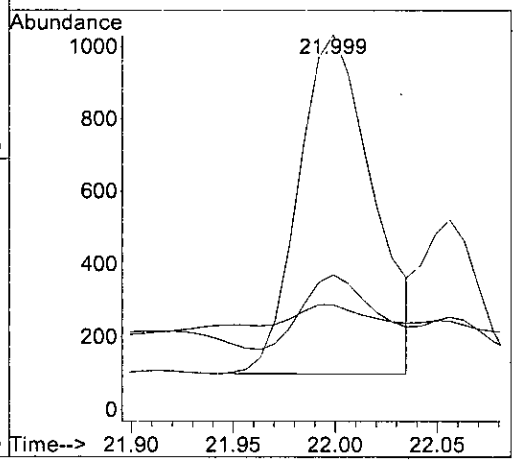


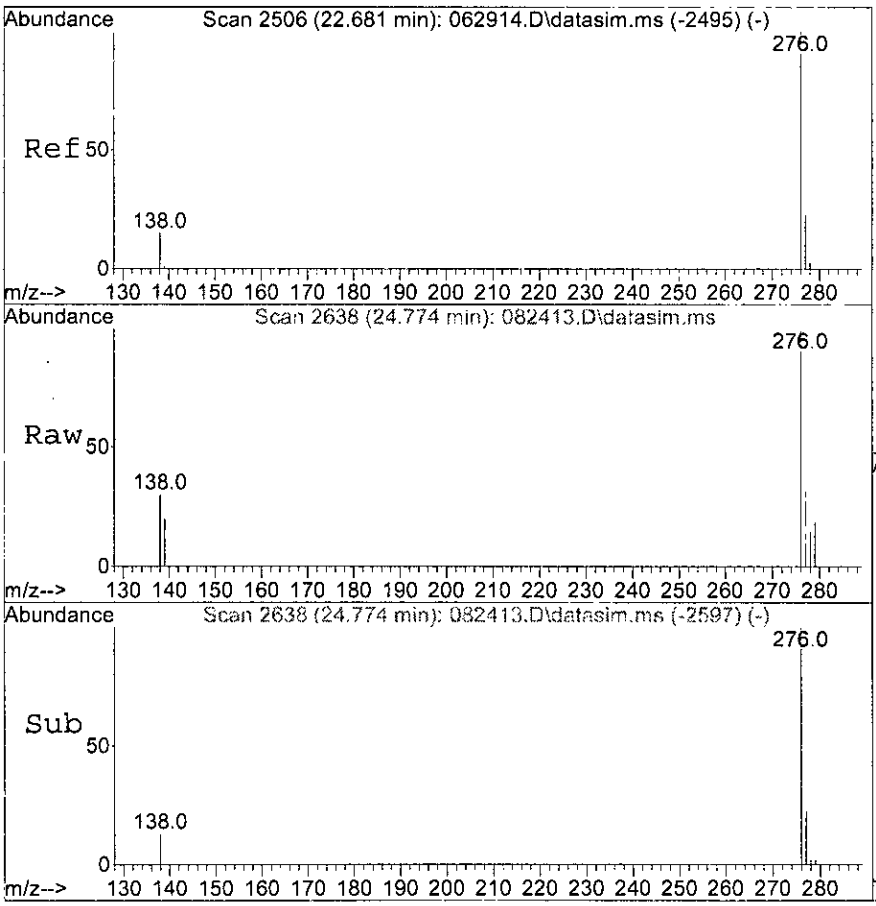


#78
Benzo(b)fluoranthene
Concen: 0.021 ug/ml
RT: 22.00 min Scan# 2326
Delta R.T. 0.004 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:252 Resp: 2358

Ion	Ratio	Lower	Upper
252	100		
253	18.8	0.0	51.8
125	6.1	0.0	37.6

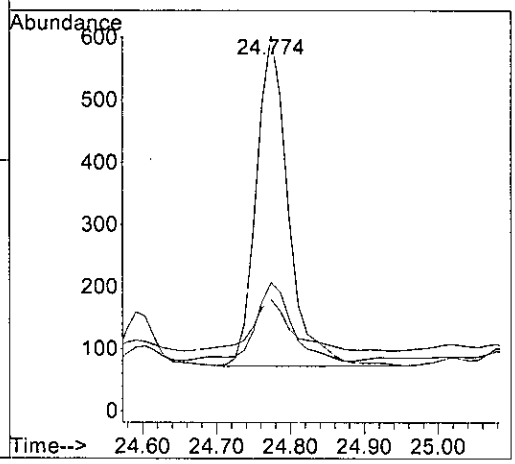


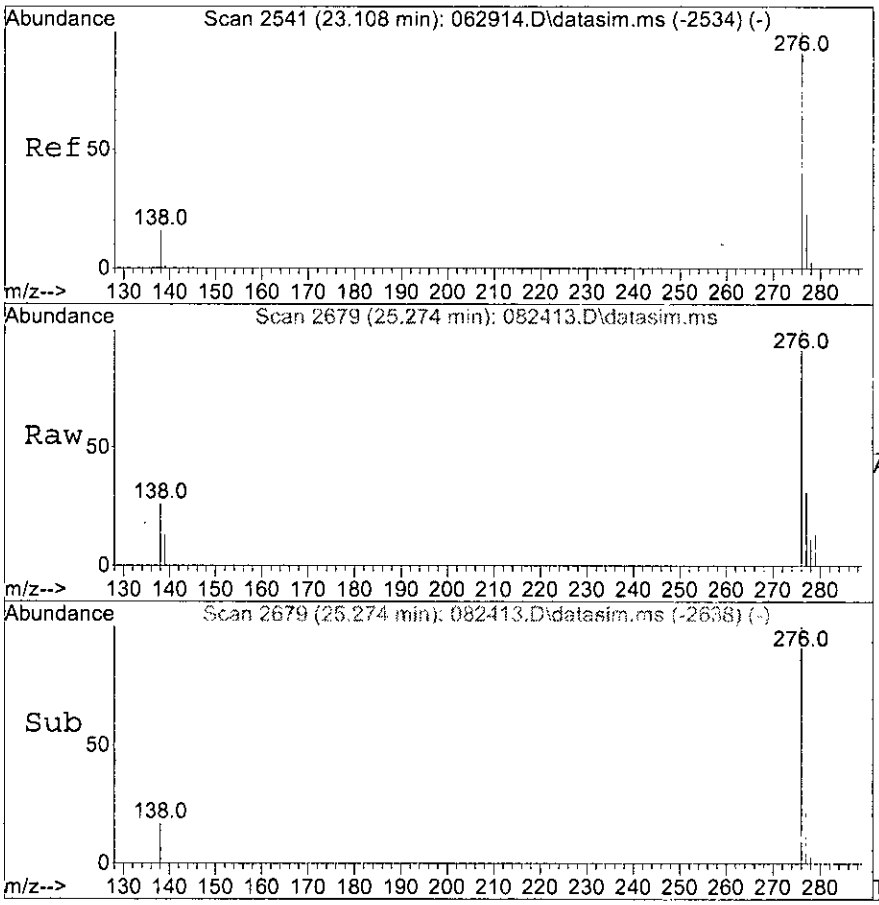


#80
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ug/ml
RT: 24.77 min Scan# 2638
Delta R.T. -0.003 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:276 Resp: 1602

Ion	Ratio	Lower	Upper
276	100		
138	15.5	0.0	43.7
277	23.0	0.0	54.1

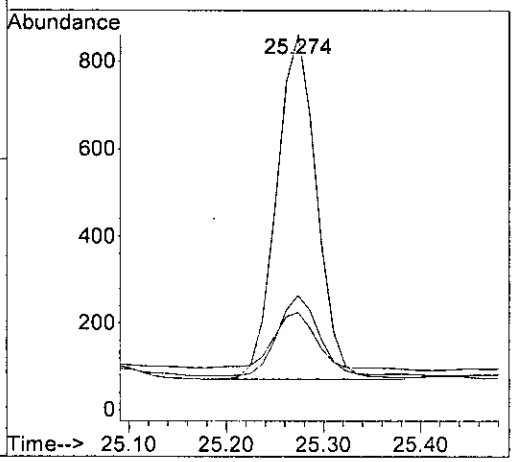




#82
Benzo(g,h,i)perylene
Concen: 0.029 ug/ml
RT: 25.27 min Scan# 2679
Delta R.T. -0.003 min
Lab File: 082413.D
Acq: 24 Aug 2022 7:30 pm

Tgt Ion:276 Resp: 2275

Ion	Ratio	Lower	Upper
276	100		
138	16.6	0.0	45.9
277	23.4	0.0	53.4



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:09:04 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	239808	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	811580	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	446277	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.31	188	837433	8.000	ug/ml	0.01
66) Chrysene-d12	19.61	240	710080	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	591608	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	184779	5.794	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 38.60%			
4) Phenol-d6	5.02	99	143880	3.753	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 25.00%			
18) Nitrobenzene-d5	6.08	82	353465	8.687	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 86.90%			
37) 2-Fluorobiphenyl	8.77	172	650078	8.287	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 82.90%			
53) 2,4,6-Tribromophenol	11.73	330	204772	12.536	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 83.60%			
69) Terphenyl-d14	17.19	244	969182	10.219	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 102.20%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.04	94	1171	N.D.		
6) Bis(2-chloroethyl) ether	5.29	63	1486	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.45	108	1215	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.75	45	271	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	6.04	117	890	N.D.		
15) N-Nitroso-di-n-propyla...	5.90	70	1228	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.08	77	1163	N.D.		
20) Isophorone	6.53	82	956	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.		
23) Benzoic acid	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:09:04 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.73	93	135	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27]	Naphthalene	7.05	128	2056	0.017	ug/ml	95
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	0.00		0	N.D.		
30)	4-Chloro-3-methylphenol	7.85	107	350	N.D.		
31)	2-Methylnaphthalene	8.12	142	356	N.D.		
32]	1-Methylnaphthalene	8.28	142	761	0.010	ug/ml	95
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.		
39)	2-Nitroaniline	9.17	65	561	N.D.		
40)	Dimethyl phthalate	9.71	163	238	N.D.		
41)	Acenaphthylene	9.76	152	585	N.D.		
42)	2,6-Dinitrotoluene	0.00		0	N.D.	d	
43)	3-Nitroaniline	10.05	65	5079	N.D.		
44]	Acenaphthene	10.12	153	880m	0.011	ug/ml	
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46)	Dibenzofuran	10.39	168	691	N.D.		
47)	2,4-Dinitrotoluene	10.62	165	338	N.D.		
48)	4-Nitrophenol	10.36	65	1878	N.D.		
49)	Diethyl phthalate	11.06	149	4456	N.D.		
50]	Fluorene	11.21	166	1695	0.020	ug/ml	98
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	11.51	77	1017	N.D.		
55)	N-Nitrosodiphenylamine	11.50	169	986	N.D.		
56)	4-Nitroaniline	0.00		0	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	0.00		0	N.D.		
61)	Phenanthrene	13.34	178	1042	N.D.		
62]	Anthracene	13.47	178	1897	0.015	ug/ml	86
63)	Carbazole	13.89	167	422	N.D.		
64)	Di-n-butyl phthalate	14.88	149	8928	N.D.		
65]	Fluoranthene	16.16	202	6126	0.043	ug/ml	95
67)	Benzidine	0.00		0	N.D.		
68]	Pyrene	16.67	202	8679	0.058	ug/ml	76
70)	Benzyl butyl phthalate	18.52	149	1921	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:09:04 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

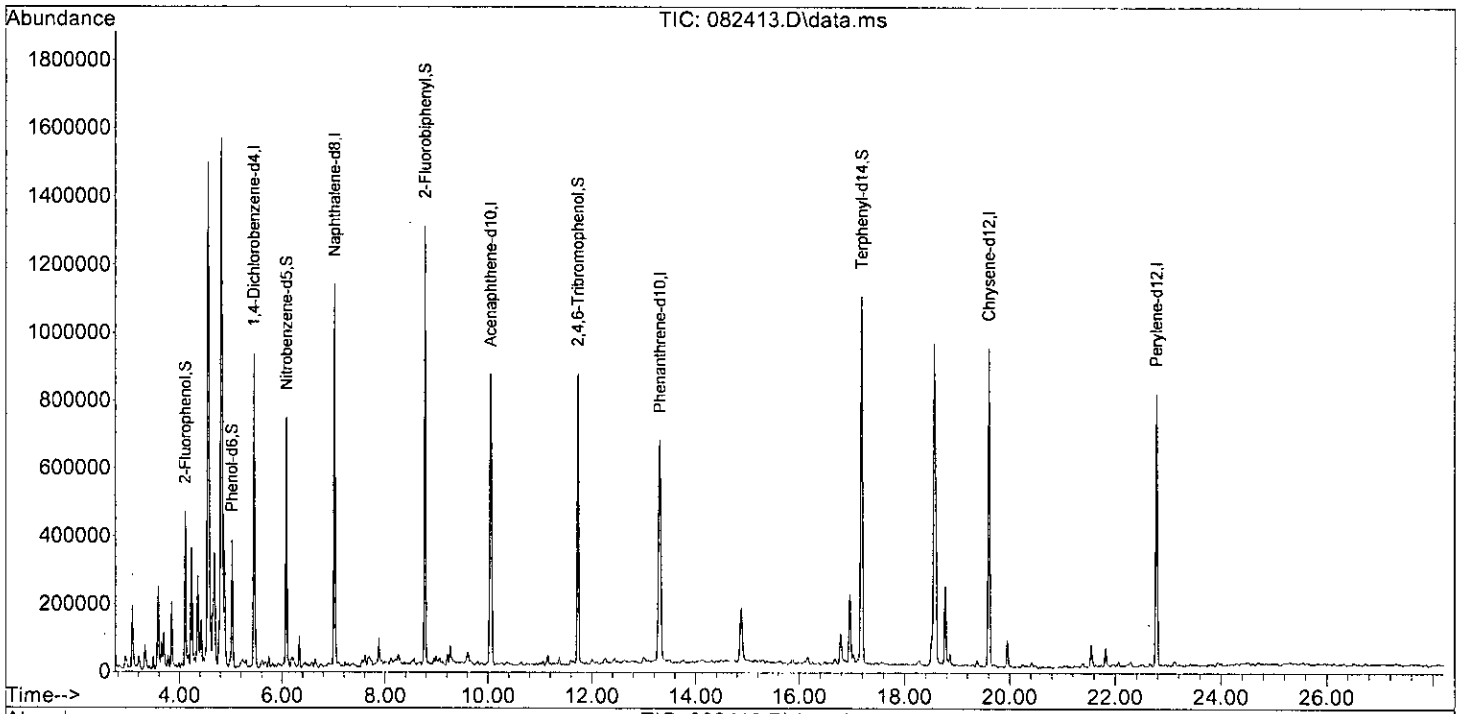
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72] Benz(a)anthracene	19.60	228	3598	0.012	ug/ml	72
73] Chrysene	19.66	228	1369	0.011	ug/ml	98
74) Bis(2-ethylhexyl) phth...	19.95	149	45010	N.D.		
76) Di-n-octyl phthalate	21.42	149	2178	N.D.		
77] Benzo(a)pyrene	22.66	252	1758	0.019	ug/ml	96
78] Benzo(b)fluoranthene	22.00	252	2358	0.021	ug/ml	94
79) Benzo(k)fluoranthene	22.06	252	818	N.D.		
80] Indeno(1,2,3-cd)pyrene	24.77	276	1602	0.022	ug/ml	97
81) Dibenz(a,h)anthracene	24.83	278	462	N.D.		
82] Benzo(g,h,i)perylene	25.27	276	2275	0.029	ug/ml	99

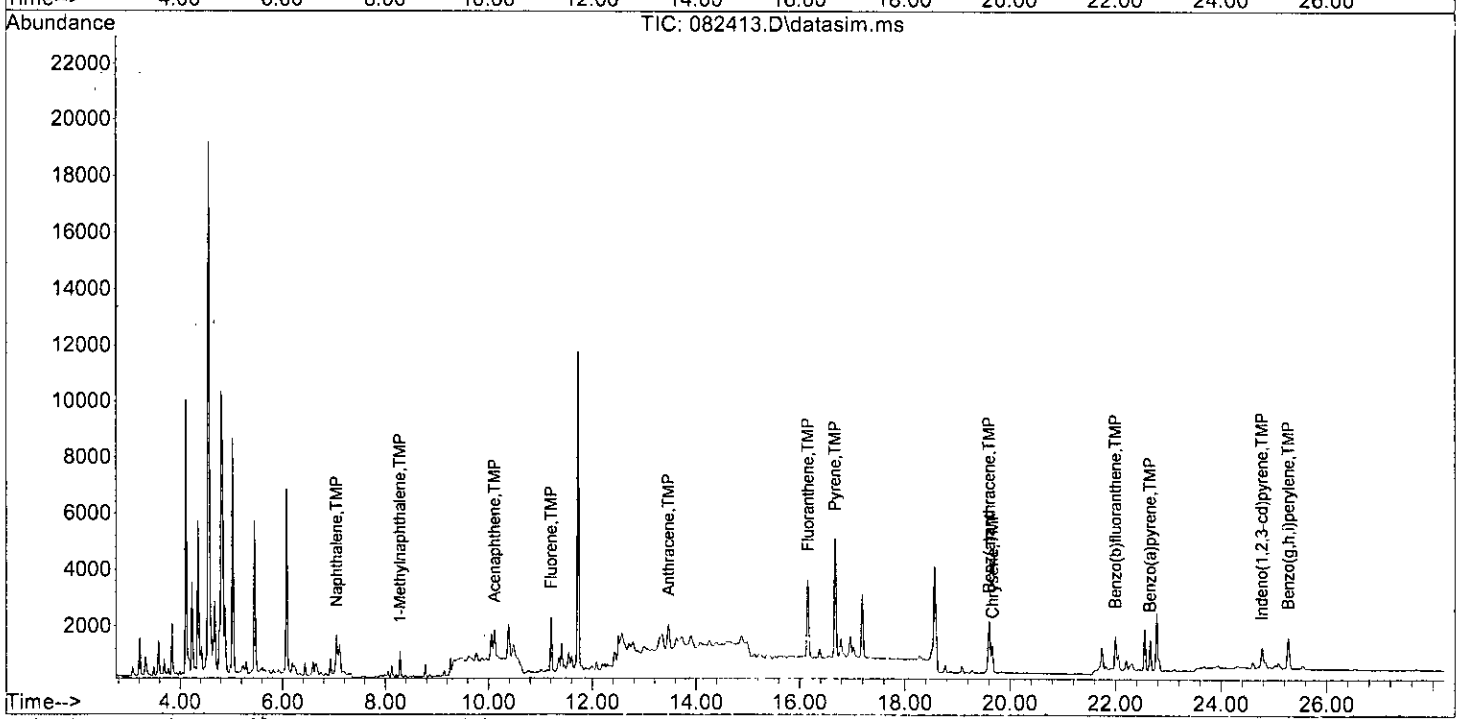
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082413.D
Acq On : 24 Aug 2022 7:30 pm
Operator : VM
Sample : 208312-03 1/2
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:09:04 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

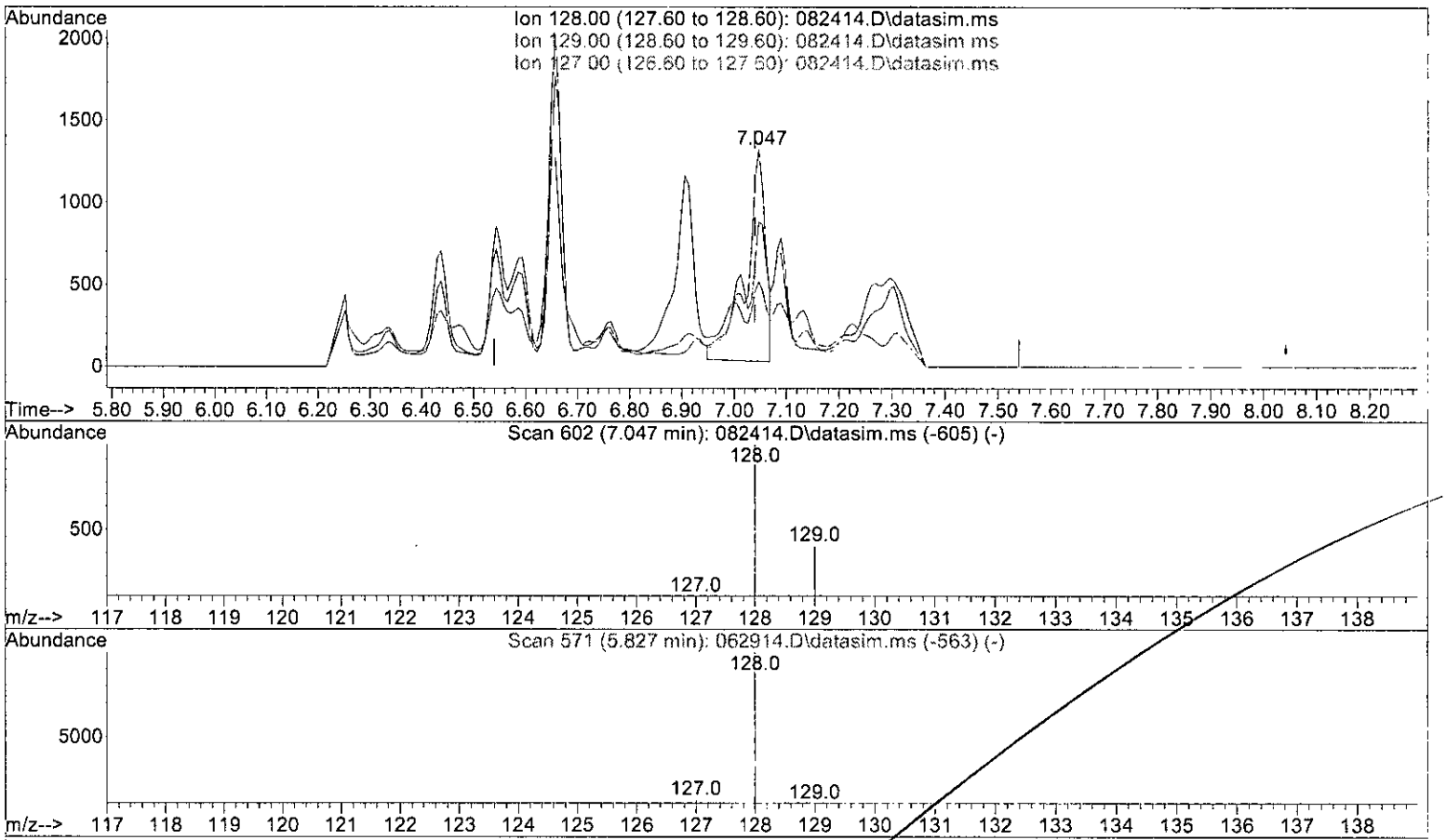




Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(27) Naphthalene (TMP)

7.047min (+ 0.007) 0.027 ug/ml

response 3394

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.70	63.91#
127.00	13.60	28.49
0.00	0.00	0.00

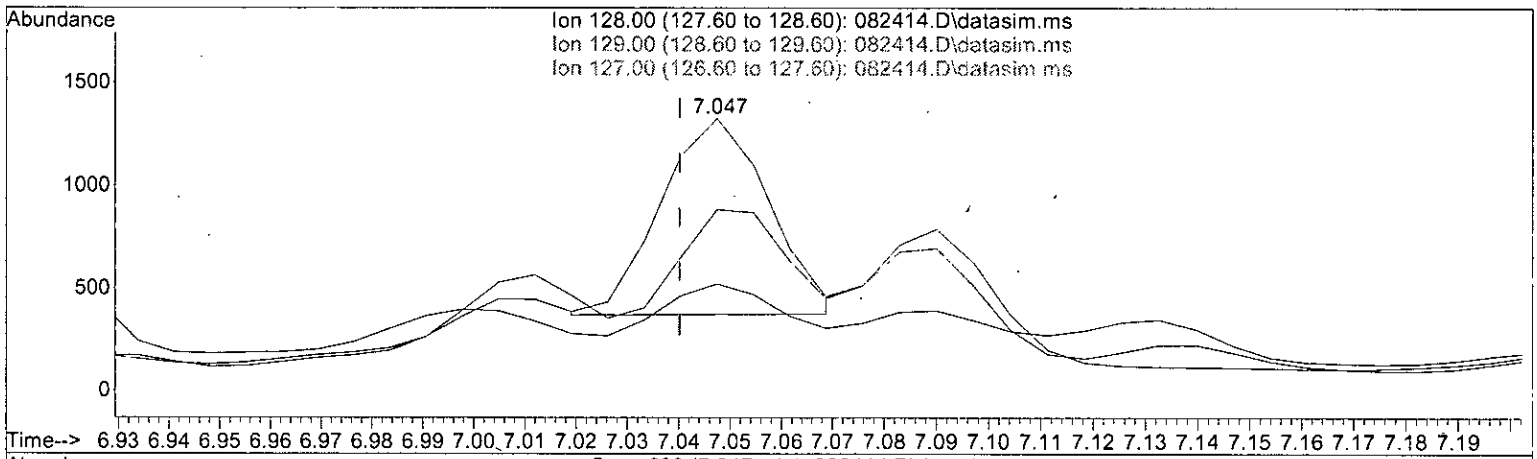
VM

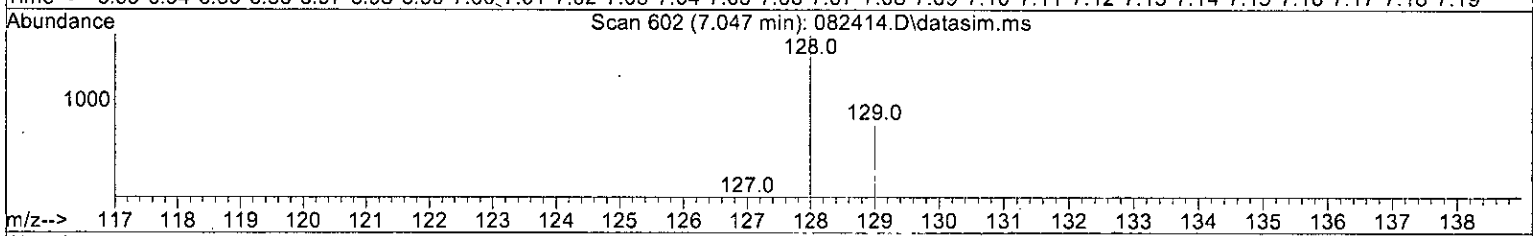
AUG 25 2022

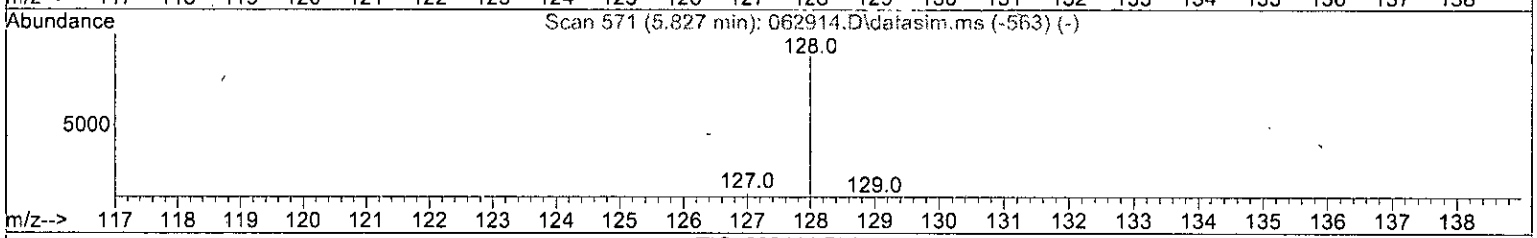
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 08:57:25 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082414.D\data.ms

(27) Naphthalene (TMP)

7.047min (+ 0.007) 0.011 ug/ml m

response 1395

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.70	66.54#
127.00	13.60	39.27
0.00	0.00	0.00

VM

AUG 25 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:11:26 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

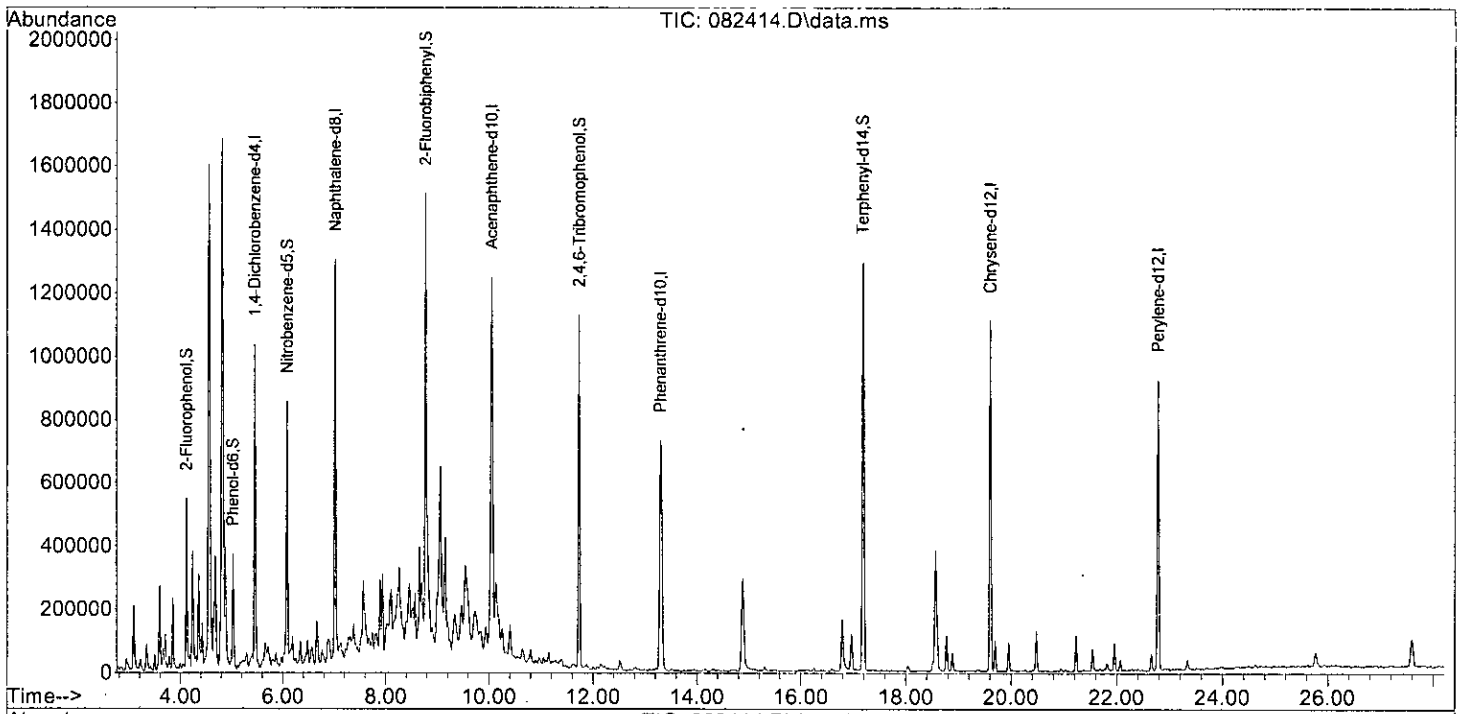
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	254895	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	858799	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	527695	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.30	188	942435	8.000	ug/ml	0.00
66) Chrysene-d12	19.61	240	828159	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	691376	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	206908	6.104	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 40.67%			
4) Phenol-d6	5.02	99	162893	3.998	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 26.67%			
18) Nitrobenzene-d5	6.08	82	396461	9.208	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 92.10%			
37) 2-Fluorobiphenyl	8.77	172	703366	7.583	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 75.80%			
53) 2,4,6-Tribromophenol	11.73	330	269453	13.951	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 93.00%			
69) Terphenyl-d14	17.19	244	1161972	10.505	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 105.10%			
Target Compounds						Qvalue
27] ~~Naphthalene~~	~~7.05~~	~~128~~	~~1395m~~	~~0.011~~	~~ug/ml~~	
31] 2-Methylnaphthalene	8.12	142	1234	0.015	ug/ml#	1
32] 1-Methylnaphthalene	8.28	142	1904	0.024	ug/ml	73
44] Acenaphthene	10.12	153	4474	0.046	ug/ml	95
50] Fluorene	11.21	166	2448	0.024	ug/ml	97
61] Phenanthrene	13.35	178	14205	0.100	ug/ml	98
62] Anthracene	13.47	178	1867	0.013	ug/ml	94
63] Carbazole	13.87	167	1503	0.014	ug/ml	99
65] Fluoranthene	16.15	202	1666	0.010	ug/ml	99

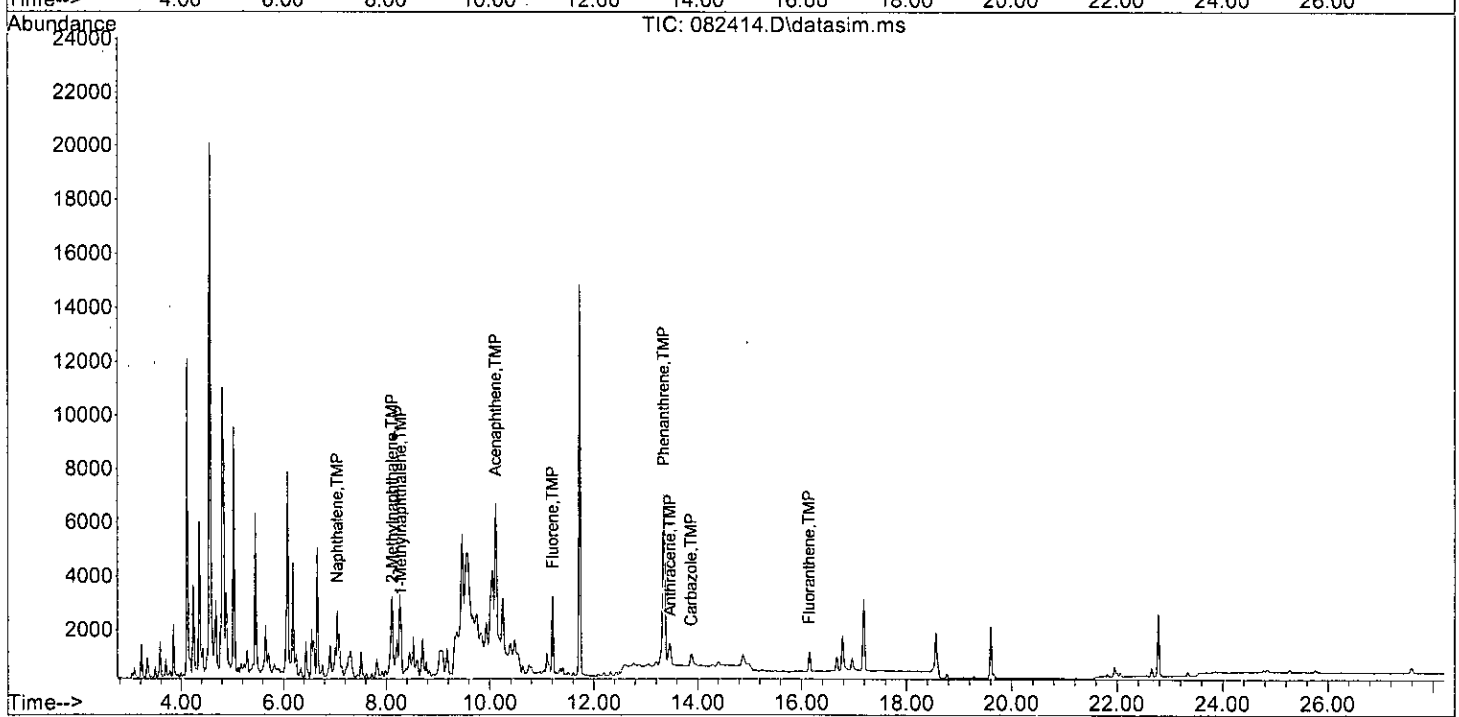
(#) = qualifier out of range (m) = manual integration (+) = signals summed

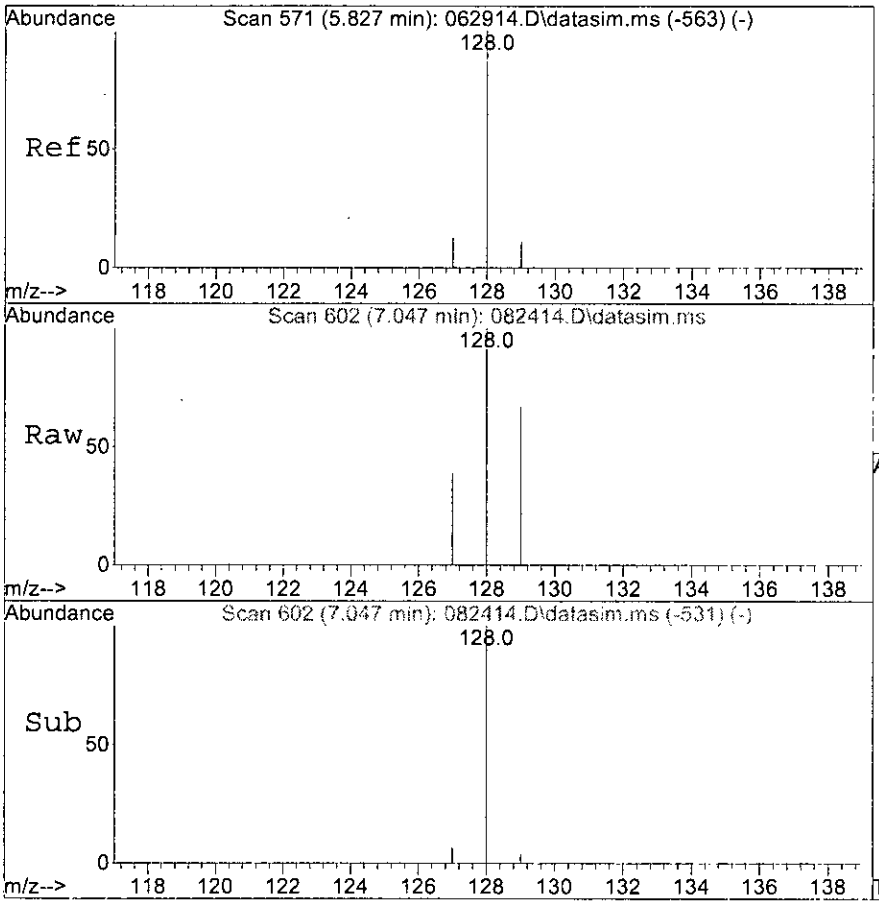
Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:11:26 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



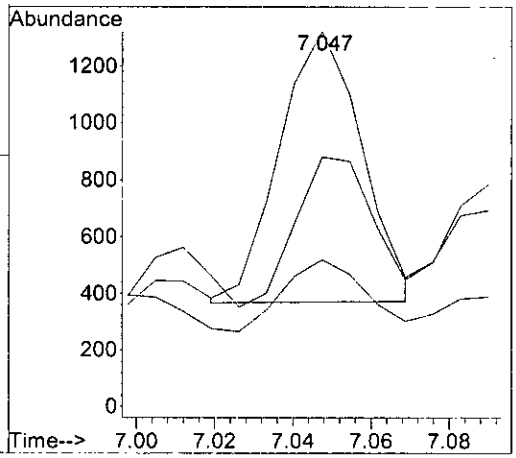


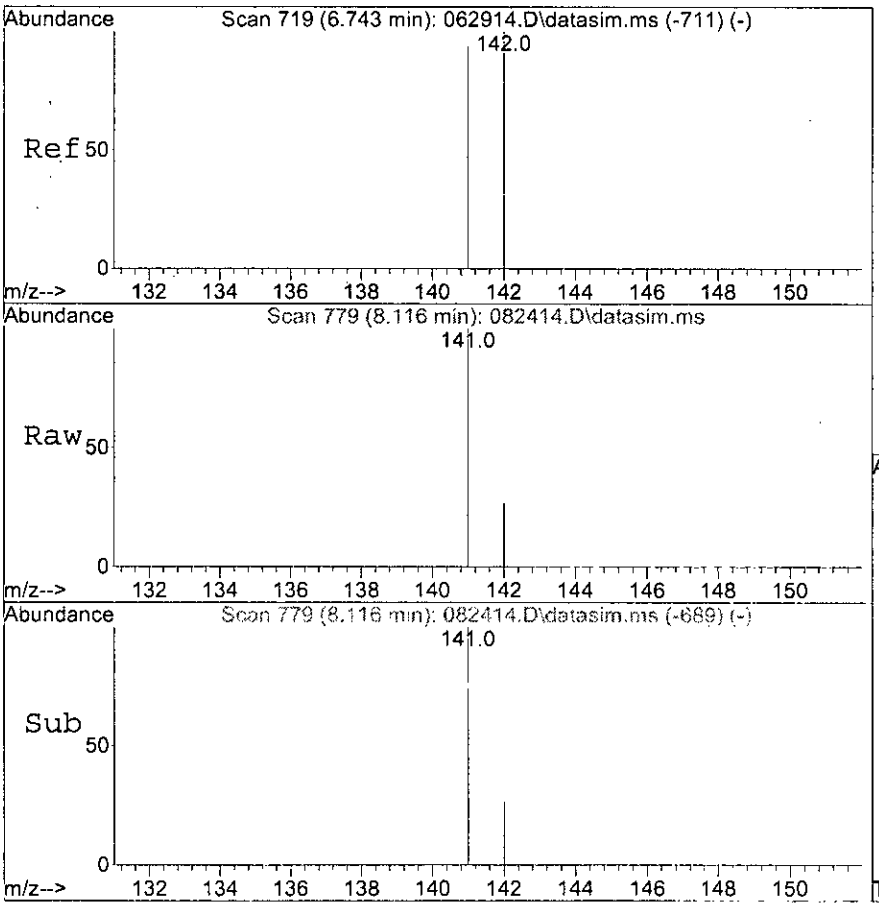


#27
Naphthalene
Concen: 0.011 ug/ml m
RT: 7.05 min Scan# 602
Delta R.T. 0.007 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:128 Resp: 1395

Ion	Ratio	Lower	Upper
128	100		
129	66.5	0.0	40.7#
127	39.3	0.0	43.6

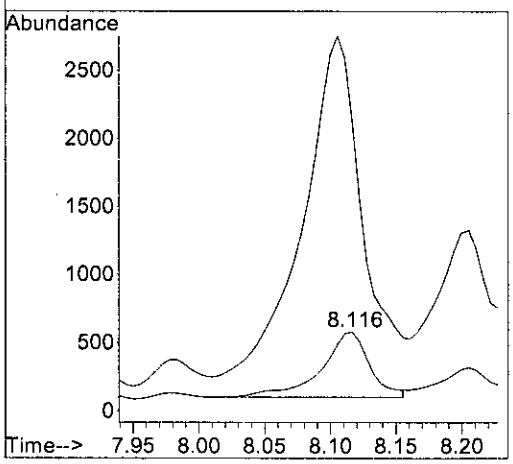


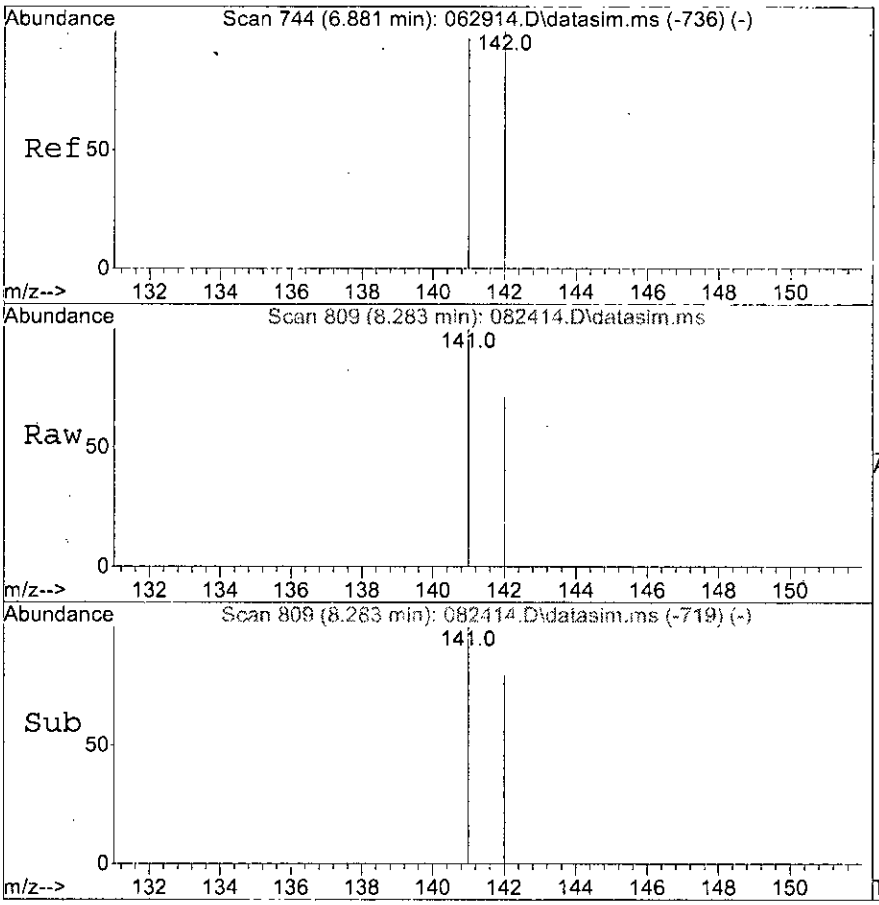


#31
2-Methylnaphthalene
Concen: 0.015 ug/ml
RT: 8.12 min Scan# 779
Delta R.T. -0.001 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:142 Resp: 1234

Ion	Ratio	Lower	Upper
142	100		
141	393.5	61.5	121.5#

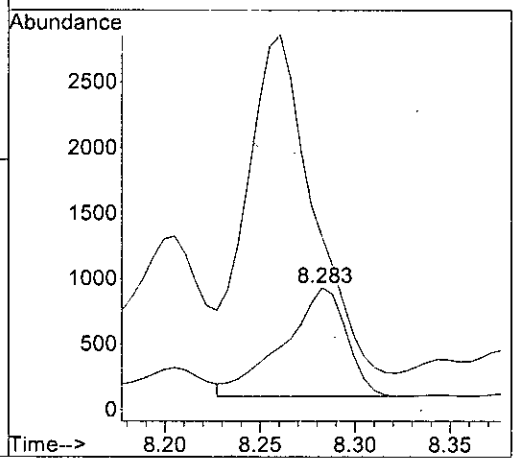


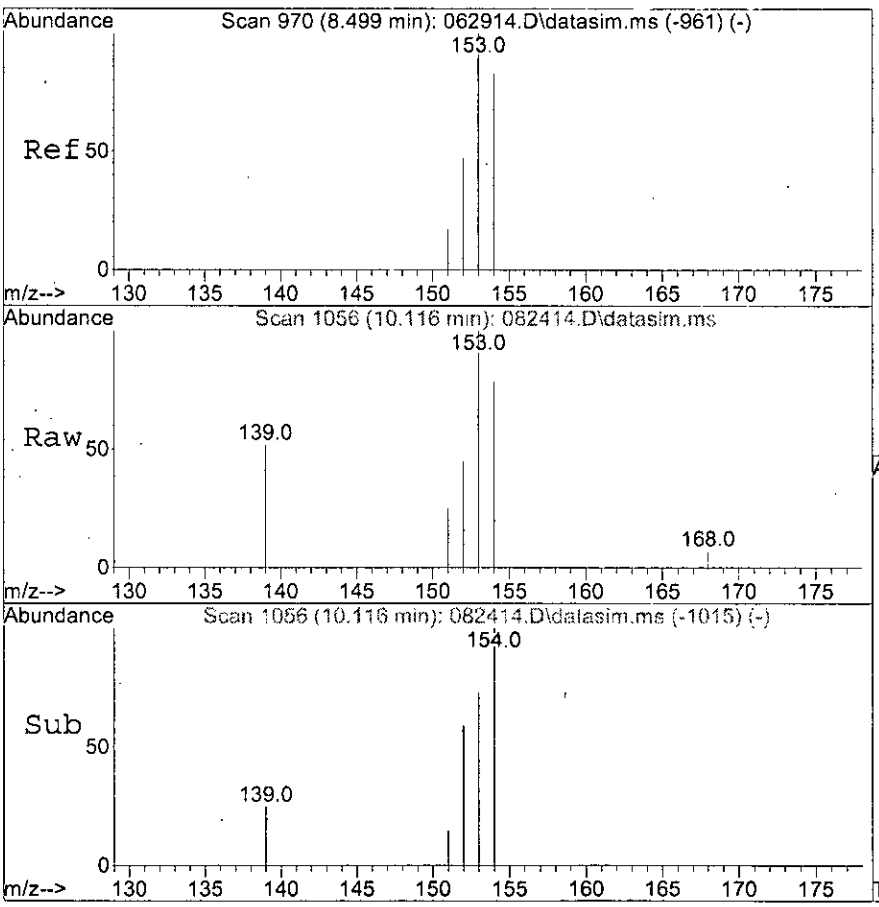


#32
1-Methylnaphthalene
Concen: 0.024 ug/ml
RT: 8.28 min Scan# 809
Delta R.T. -0.001 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:142 Resp: 1904

Ion	Ratio	Lower	Upper
142	100		
141	123.6	66.8	126.8

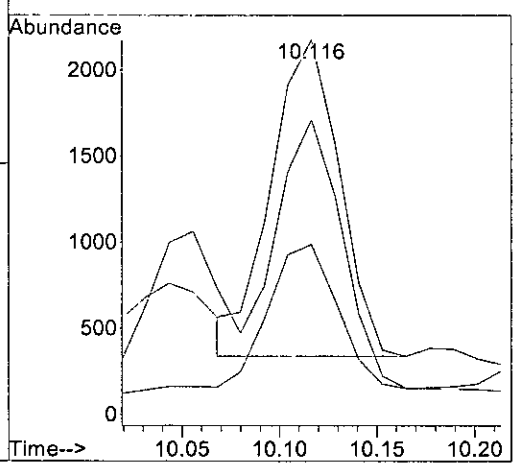


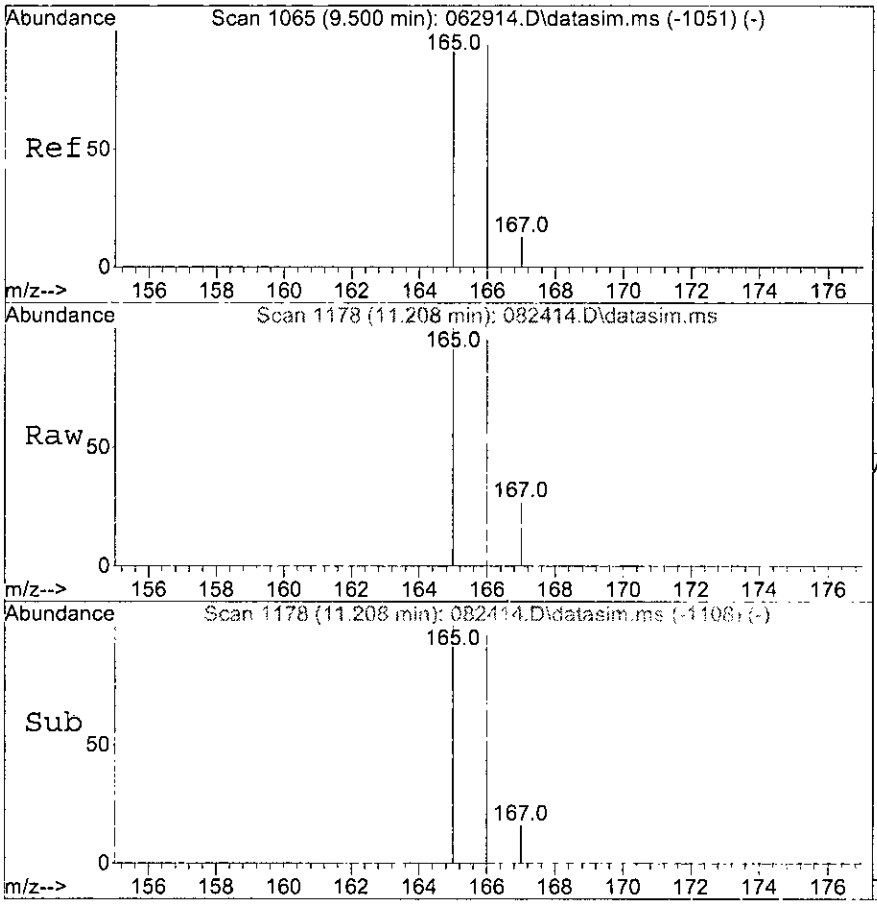


#44
Acenaphthene
Concen: 0.046 ug/ml
RT: 10.12 min Scan# 1056
Delta R.T. -0.000 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:153 Resp: 4474

Ion	Ratio	Lower	Upper
153	100		
152	45.4	18.9	78.9
154	84.8	50.4	110.4

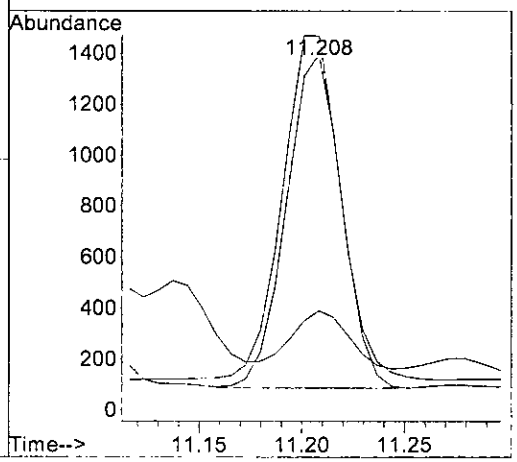


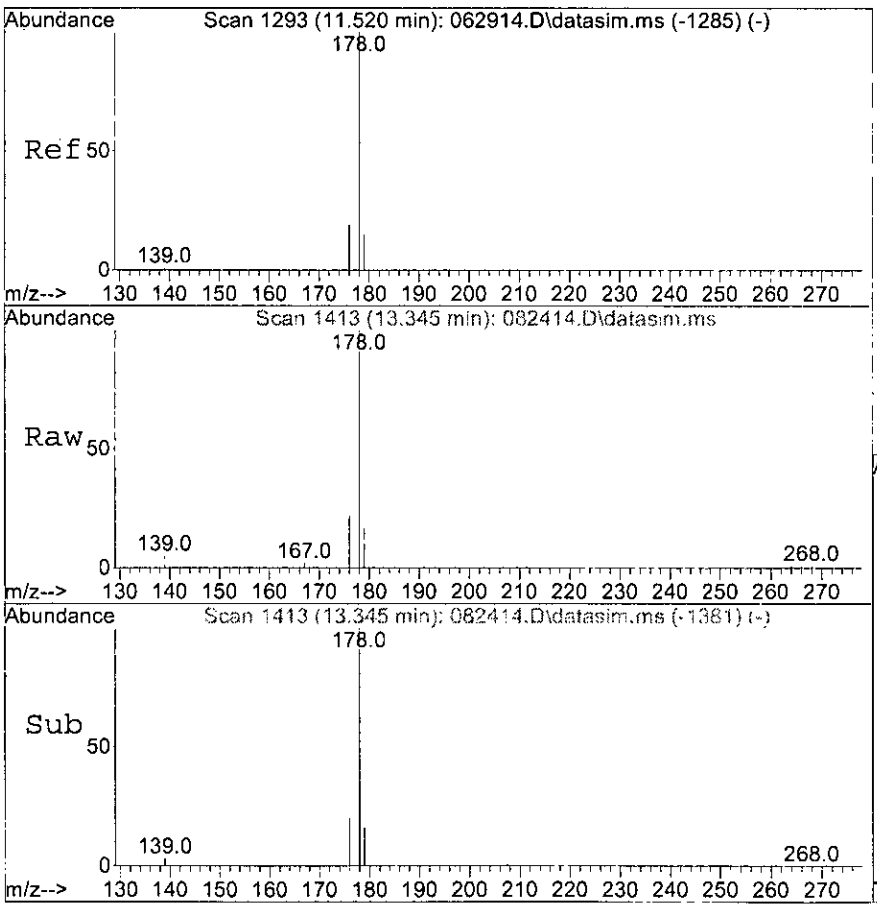


#50
Fluorene
Concen: 0.024 ug/ml
RT: 11.21 min Scan# 1178
Delta R.T. -0.000 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:166 Resp: 2448

Ion	Ratio	Lower	Upper
166	100		
165	102.4	74.9	134.9
167	17.2	0.0	43.5

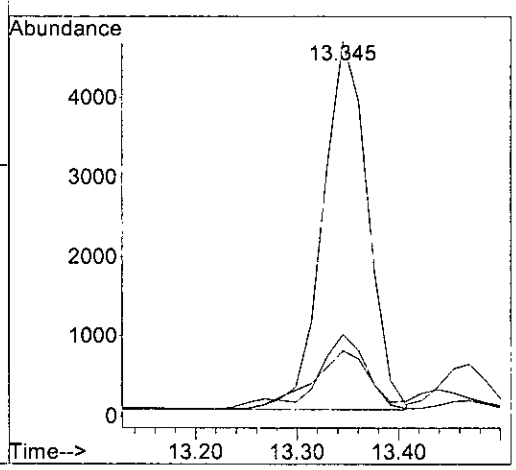


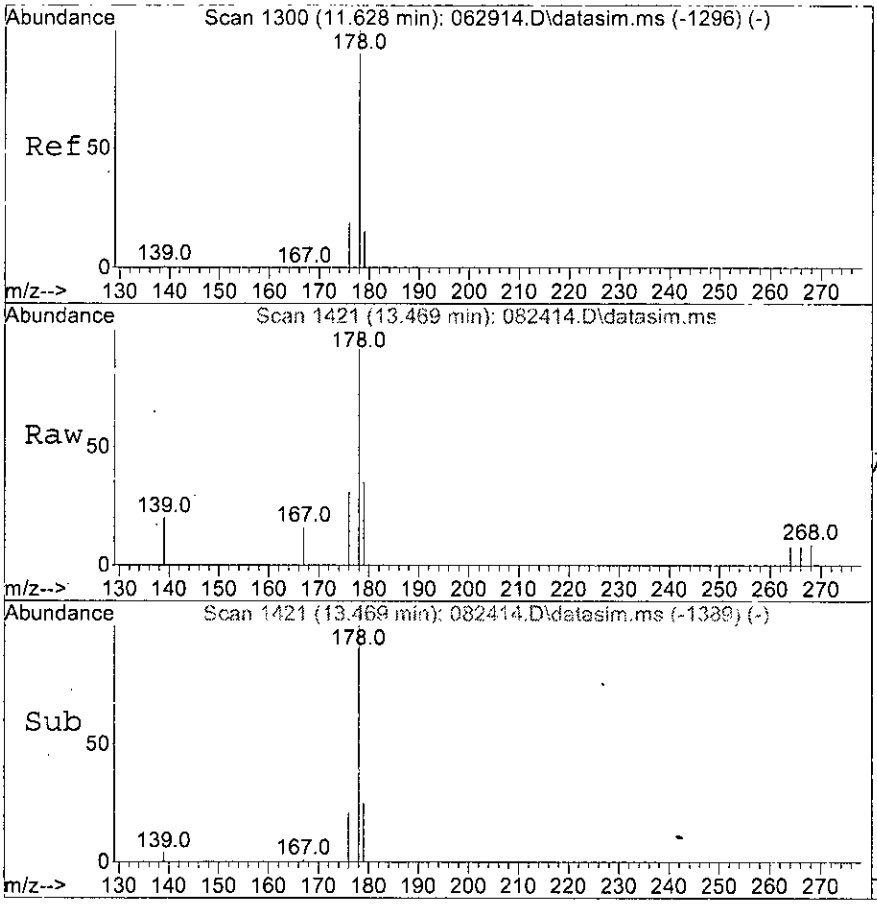


#61
Phenanthrene
Concen: 0.100 ug/ml
RT: 13.35 min Scan# 1413
Delta R.T. -0.000 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:178 Resp: 14205

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.4
176	20.2	0.0	49.0

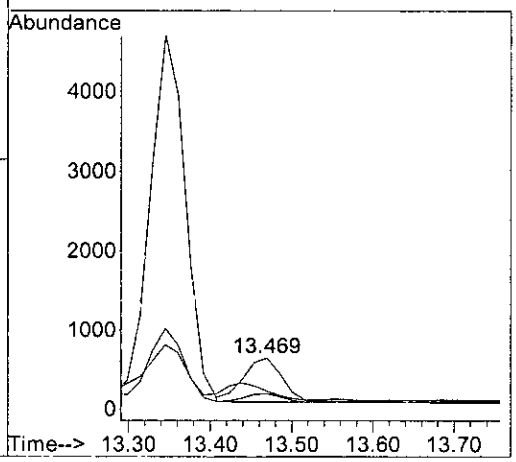


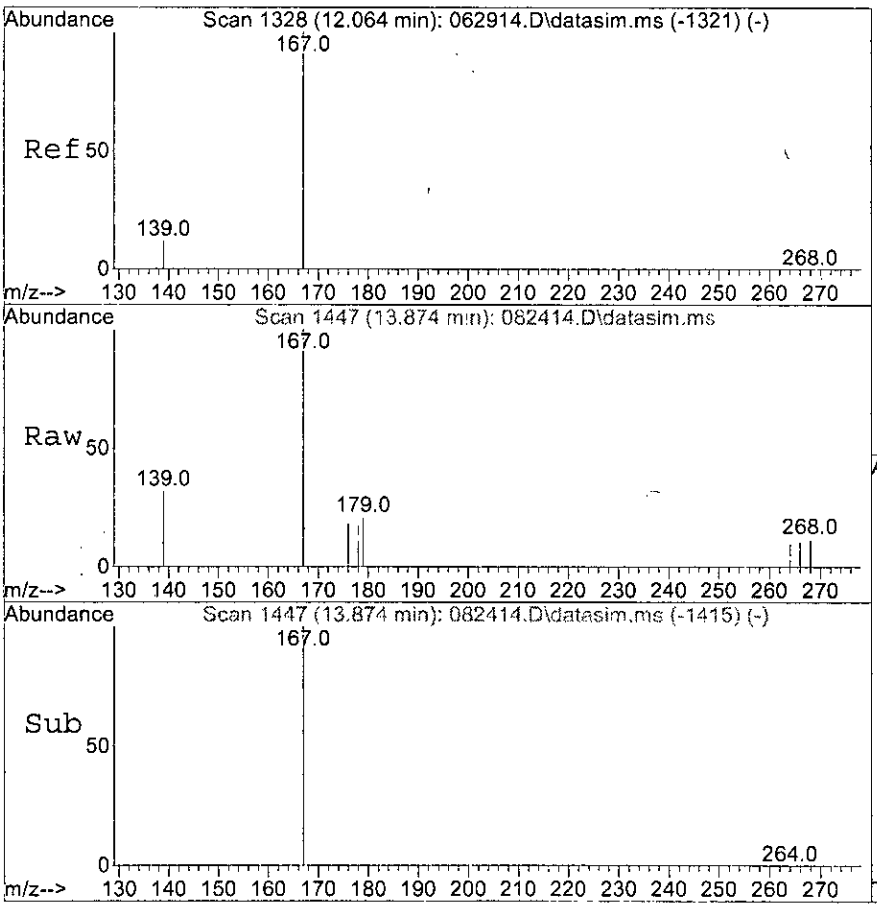


#62
Anthracene
Concen: 0.013 ug/ml
RT: 13.47 min Scan# 1421
Delta R.T. -0.000 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:178 Resp: 1867

Ion	Ratio	Lower	Upper
178	100		
179	20.7	0.0	44.8
176	19.2	0.0	49.4

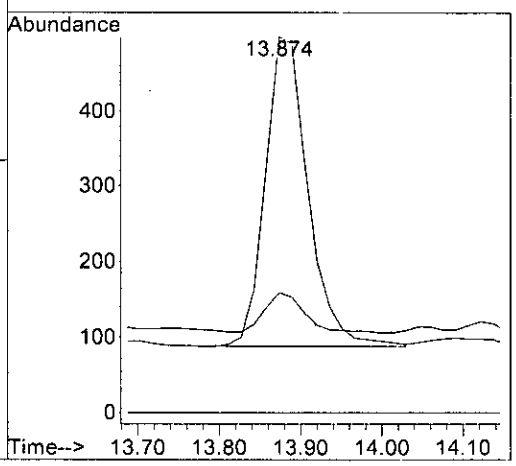


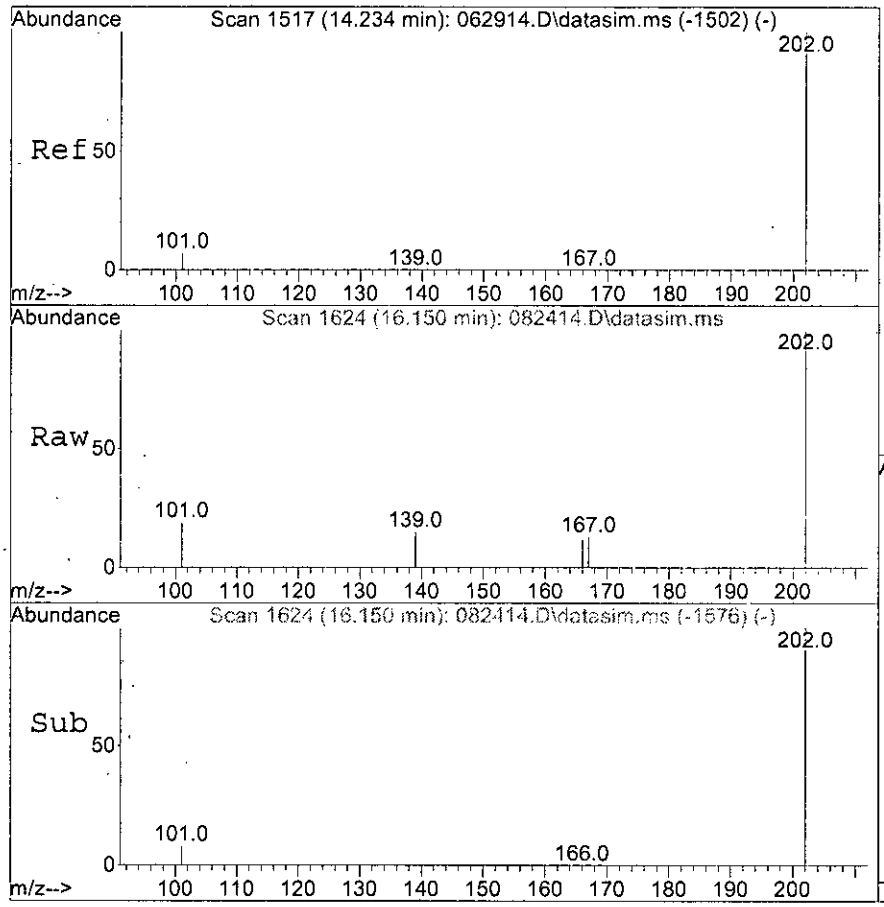


#63
Carbazole
Concen: 0.014 ug/ml
RT: 13.87 min Scan# 1447
Delta R.T. -0.000 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:167 Resp: 1503

Ion	Ratio	Lower	Upper
167	100		
166	0.0	0.0	30.0
139	12.2	0.0	41.9

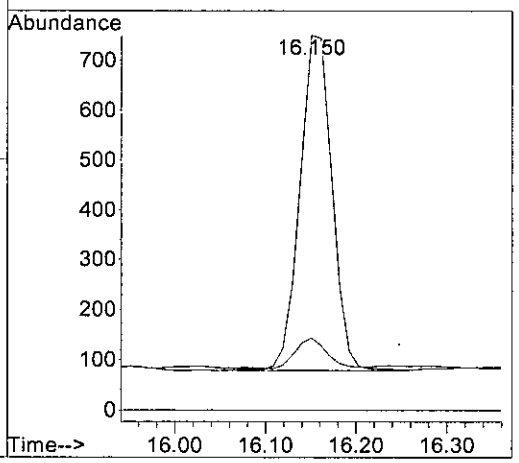




#65
Fluoranthene
Concen: 0.010 ug/ml
RT: 16.15 min Scan# 1624
Delta R.T. -0.000 min
Lab File: 082414.D
Acq: 24 Aug 2022 8:03 pm

Tgt Ion:202 Resp: 1666

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	38.3
203	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:11:26 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.45	152	254895	8.000	ug/ml	0.00
17) Naphthalene-d8	7.02	136	858799	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.05	164	527695	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.30	188	942435	8.000	ug/ml	0.00
66) Chrysene-d12	19.61	240	828159	8.000	ug/ml	0.00
75) Perylene-d12	22.78	264	691376	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.11	112	206908	6.104	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 40.67%			
4) Phenol-d6	5.02	99	162893	3.998	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 26.67%			
18) Nitrobenzene-d5	6.08	82	396461	9.208	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 92.10%			
37) 2-Fluorobiphenyl	8.77	172	703366	7.583	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 75.80%			
53) 2,4,6-Tribromophenol	11.73	330	269453	13.951	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 93.00%			
69) Terphenyl-d14	17.19	244	1161972	10.505	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 105.10%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.04	94	1129	N.D.		
6) Bis(2-chloroethyl) ether	5.03	63	840	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	5.44	146	131	N.D.		
9) 1,4-Dichlorobenzene	5.44	146	131	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.60	108	295	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.75	45	296	N.D.		
13) 2-Methylphenol	5.60	108	295	N.D.		
14) Hexachloroethane	0.00		0	N.D.	d	
15) N-Nitroso-di-n-propyla...	5.92	70	1675	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.08	77	2774	N.D.		
20) Isophorone	6.36	82	1890	N.D.		
21) 2-Nitrophenol	6.56	139	294	N.D.		
22) 2,4-Dimethylphenol	6.54	107	286	N.D.		
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:11:26 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.65	93	685	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27]	Naphthalene	7.05	128	1395m	0.011	ug/ml	
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	7.13	127	481	N.D.		
30)	4-Chloro-3-methylphenol	7.87	107	941	N.D.		
31]	2-Methylnaphthalene	8.12	142	1234	0.015	ug/ml#	1
32]	1-Methylnaphthalene	8.28	142	1904	0.024	ug/ml	73
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.		
39)	2-Nitroaniline	9.19	65	1270	N.D.		
40)	Dimethyl phthalate	0.00		0	N.D.		
41)	Acenaphthylene	9.76	152	526	N.D.		
42)	2,6-Dinitrotoluene	0.00		0	N.D.	d	
43)	3-Nitroaniline	9.94	65	1297	N.D.		
44]	Acenaphthene	10.12	153	4474	0.046	ug/ml	95
45)	2,4-Dinitrophenol	0.00		0	N.D.	d	
46)	Dibenzofuran	10.48	168	1289	N.D.		
47)	2,4-Dinitrotoluene	0.00		0	N.D.		
48)	4-Nitrophenol	10.25	65	4167	N.D.		
49)	Diethyl phthalate	11.06	149	5277	N.D.		
50]	Fluorene	11.21	166	2448	0.024	ug/ml	97
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	11.58	77	973	N.D.		
55)	N-Nitrosodiphenylamine	0.00		0	N.D.		
56)	4-Nitroaniline	11.33	138	782	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	0.00		0	N.D.		
61]	Phenanthrene	13.35	178	14205	0.100	ug/ml	98
62]	Anthracene	13.47	178	1867	0.013	ug/ml	94
63]	Carbazole	13.87	167	1503	0.014	ug/ml	99
64)	Di-n-butyl phthalate	14.88	149	7162	N.D.		
65]	Fluoranthene	16.15	202	1666	0.010	ug/ml	99
67)	Benzidine	0.00		0	N.D.		
68)	Pyrene	16.67	202	1163	N.D.		
70)	Benzyl butyl phthalate	18.57	149	1150	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:11:26 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

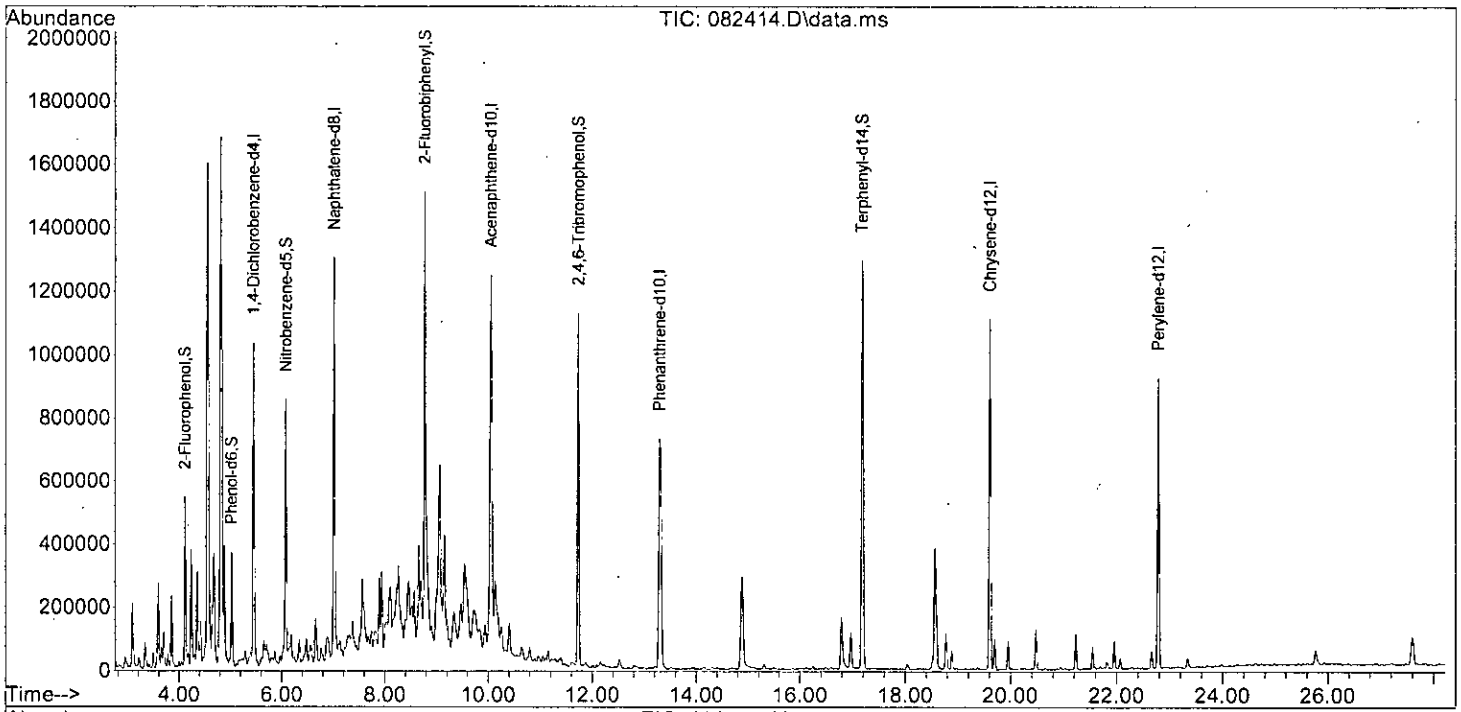
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.60	228	2869	N.D.		
73) Chrysene	19.66	228	169	N.D.		
74) Bis(2-ethylhexyl) phth...	19.95	149	48344	N.D.		
76) Di-n-octyl phthalate	21.46	149	1876	N.D.		
77) Benzo(a)pyrene	22.66	252	235	N.D.		
78) Benzo(b)fluoranthene	21.99	252	284	N.D.		
79) Benzo(k)fluoranthene	22.05	252	181	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.78	276	249	N.D.		
81) Dibenz(a,h)anthracene	24.84	278	160	N.D.		
82) Benzo(g,h,i)perylene	25.28	276	211	N.D.		

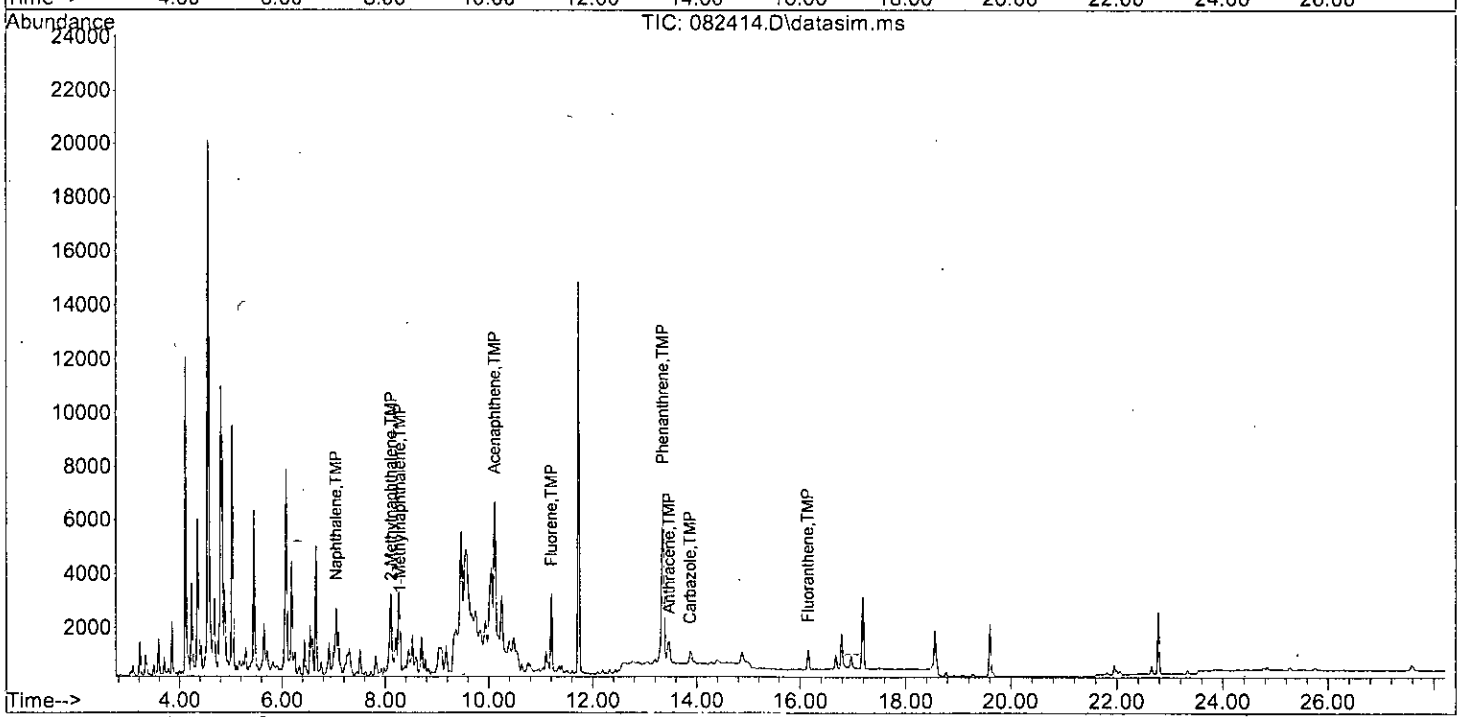
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-24-22\
Data File : 082414.D
Acq On : 24 Aug 2022 8:03 pm
Operator : VM
Sample : 208312-04 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 25 09:11:26 2022
Quant Method : N:\Methods\Inst9\081022smsr3.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 25 08:51:37 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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Vineta Mills, M.S.
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August 29, 2022

Jacklyn Perkins, Project Manager
Wood Environment & Infrastructure
3500 188th St SW, Suite 601
Lynnwood, WA 98037

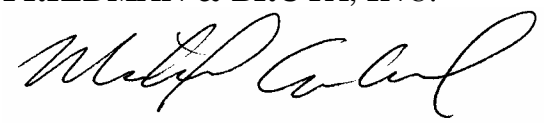
Dear Ms Perkins:

Included are the results from the testing of material submitted on August 17, 2022 from the Kelly Moore PS2120450, F&BI 208257 project. There are 31 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Christy Duitman
WEI0829R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 17, 2022 by Friedman & Bruya, Inc. from the Wood Environment & Infrastructure Kelly Moore PS2120450, F&BI 208257 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Wood Environment & Infrastructure
208257 -01	BFK-926-08172022
208257 -02	KMW-11-08172022
208257 -03	KMW-10-08172022
208257 -04	KMW-DUP-08172022
208257 -05	KMW-04-08172022

The 8260D laboratory control sample exceeded the acceptance criteria for 2,2-dichloropropane. The compound was not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257
Date Extracted: 08/23/22
Date Analyzed: 08/23/22 and 08/24/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
BFK-926-08172022 208257-01	<100	101
KMW-11-08172022 208257-02	<100	111
KMW-10-08172022 208257-03 1/80	60,000	126
KMW-DUP-08172022 208257-04 1/80	47,000	114
KMW-04-08172022 208257-05 1/5	28,000	ip
Method Blank 02-1743 MB	<100	99

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257
Date Extracted: 08/18/22
Date Analyzed: 08/18/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
BFK-926-08172022 208257-01	920 x	<250	126
KMW-11-08172022 208257-02	70 x	<250	127
KMW-10-08172022 208257-03	5,000 x	<250	127
KMW-DUP-08172022 208257-04	4,800 x	<250	129
KMW-04-08172022 208257-05	1,000 x	<250	135
Method Blank 02-2002 MB2	<50	<250	122

Analysis For Total Metals By EPA Method 6020B

Client ID:	BFK-926-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208257-01
Date Analyzed:	08/25/22	Data File:	208257-01.223
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-11-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208257-02
Date Analyzed:	08/25/22	Data File:	208257-02.224
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-10-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208257-03
Date Analyzed:	08/25/22	Data File:	208257-03.225
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.44
Chromium	1.41
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-DUP-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208257-04
Date Analyzed:	08/25/22	Data File:	208257-04.226
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.81
Chromium	1.34
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-04-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	208257-05
Date Analyzed:	08/25/22	Data File:	208257-05.227
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.63
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	NA	Project:	Kelly Moore PS2120450
Date Extracted:	08/24/22	Lab ID:	I2-580 mb
Date Analyzed:	08/25/22	Data File:	I2-580 mb.210
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<5
Zinc	<5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BFK-926-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-01
Date Analyzed:	08/19/22	Data File:	081926.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.16	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-11-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-02
Date Analyzed:	08/19/22	Data File:	081927.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-10-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-03
Date Analyzed:	08/19/22	Data File:	081928.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.024	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	1,800 ve
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	5,200 ve
Hexane	<5	o-Xylene	3,100 ve
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	33
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	34
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	75
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	160
Benzene	0.69	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	3,000 ve	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	3.8
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-10-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-03 1/200
Date Analyzed:	08/22/22	Data File:	082239.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	96	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<200	1,3-Dichloropropane	<200
Chloromethane	<2,000	Tetrachloroethene	<200
Vinyl chloride	<4	Dibromochloromethane	<100
Bromomethane	<1,000	1,2-Dibromoethane (EDB)	<200
Chloroethane	<200	Chlorobenzene	<200
Trichlorofluoromethane	<200	Ethylbenzene	2,400
Acetone	<10,000	1,1,1,2-Tetrachloroethane	<200
1,1-Dichloroethene	<200	m,p-Xylene	9,300
Hexane	<1,000	o-Xylene	4,300
Methylene chloride	<1,000	Styrene	<200
Methyl t-butyl ether (MTBE)	<200	Isopropylbenzene	<200
trans-1,2-Dichloroethene	<200	Bromoform	<1,000
1,1-Dichloroethane	<200	n-Propylbenzene	<200
2,2-Dichloropropane	<200	Bromobenzene	<200
cis-1,2-Dichloroethene	<200	1,3,5-Trimethylbenzene	<200
Chloroform	<200	1,1,2,2-Tetrachloroethane	<40
2-Butanone (MEK)	<4,000	1,2,3-Trichloropropane	<200
1,2-Dichloroethane (EDC)	<40	2-Chlorotoluene	<200
1,1,1-Trichloroethane	<200	4-Chlorotoluene	<200
1,1-Dichloropropene	<200	tert-Butylbenzene	<200
Carbon tetrachloride	<100	1,2,4-Trimethylbenzene	<200
Benzene	<70	sec-Butylbenzene	<200
Trichloroethene	<100	p-Isopropyltoluene	<200
1,2-Dichloropropane	<200	1,3-Dichlorobenzene	<200
Bromodichloromethane	<100	1,4-Dichlorobenzene	<200
Dibromomethane	<200	1,2-Dichlorobenzene	<200
4-Methyl-2-pentanone	<2,000	1,2-Dibromo-3-chloropropane	<2,000
cis-1,3-Dichloropropene	<80	1,2,4-Trichlorobenzene	<200
Toluene	4,500	Hexachlorobutadiene	<100
trans-1,3-Dichloropropene	<80	Naphthalene	<200
1,1,2-Trichloroethane	<100	1,2,3-Trichlorobenzene	<200
2-Hexanone	<2,000		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-DUP-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-04
Date Analyzed:	08/19/22	Data File:	081929.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.027	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	1,600 ve
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	4,900 ve
Hexane	<5	o-Xylene	2,800 ve
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	30
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	32
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	70
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	150
Benzene	0.67	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	2,900 ve	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	3.5
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-DUP-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-04 1/200
Date Analyzed:	08/22/22	Data File:	082240.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<200	1,3-Dichloropropane	<200
Chloromethane	<2,000	Tetrachloroethene	<200
Vinyl chloride	<4	Dibromochloromethane	<100
Bromomethane	<1,000	1,2-Dibromoethane (EDB)	<200
Chloroethane	<200	Chlorobenzene	<200
Trichlorofluoromethane	<200	Ethylbenzene	2,100
Acetone	<10,000	1,1,1,2-Tetrachloroethane	<200
1,1-Dichloroethene	<200	m,p-Xylene	8,100
Hexane	<1,000	o-Xylene	3,600
Methylene chloride	<1,000	Styrene	<200
Methyl t-butyl ether (MTBE)	<200	Isopropylbenzene	<200
trans-1,2-Dichloroethene	<200	Bromoform	<1,000
1,1-Dichloroethane	<200	n-Propylbenzene	<200
2,2-Dichloropropane	<200	Bromobenzene	<200
cis-1,2-Dichloroethene	<200	1,3,5-Trimethylbenzene	<200
Chloroform	<200	1,1,2,2-Tetrachloroethane	<40
2-Butanone (MEK)	<4,000	1,2,3-Trichloropropane	<200
1,2-Dichloroethane (EDC)	<40	2-Chlorotoluene	<200
1,1,1-Trichloroethane	<200	4-Chlorotoluene	<200
1,1-Dichloropropene	<200	tert-Butylbenzene	<200
Carbon tetrachloride	<100	1,2,4-Trimethylbenzene	<200
Benzene	<70	sec-Butylbenzene	<200
Trichloroethene	<100	p-Isopropyltoluene	<200
1,2-Dichloropropane	<200	1,3-Dichlorobenzene	<200
Bromodichloromethane	<100	1,4-Dichlorobenzene	<200
Dibromomethane	<200	1,2-Dichlorobenzene	<200
4-Methyl-2-pentanone	<2,000	1,2-Dibromo-3-chloropropane	<2,000
cis-1,3-Dichloropropene	<80	1,2,4-Trichlorobenzene	<200
Toluene	3,700	Hexachlorobutadiene	<100
trans-1,3-Dichloropropene	<80	Naphthalene	<200
1,1,2-Trichloroethane	<100	1,2,3-Trichlorobenzene	<200
2-Hexanone	<2,000		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-04-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-05
Date Analyzed:	08/19/22	Data File:	081930.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	102	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	1,600 ve
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	4,300 ve
Hexane	<5	o-Xylene	1,200 ve
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	21
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	18
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	36
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	99
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	210 ve	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	5.7
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-04-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208257-05 1/200
Date Analyzed:	08/22/22	Data File:	082241.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<200	1,3-Dichloropropane	<200
Chloromethane	<2,000	Tetrachloroethene	<200
Vinyl chloride	<4	Dibromochloromethane	<100
Bromomethane	<1,000	1,2-Dibromoethane (EDB)	<200
Chloroethane	<200	Chlorobenzene	<200
Trichlorofluoromethane	<200	Ethylbenzene	2,200
Acetone	<10,000	1,1,1,2-Tetrachloroethane	<200
1,1-Dichloroethene	<200	m,p-Xylene	6,900
Hexane	<1,000	o-Xylene	1,400
Methylene chloride	<1,000	Styrene	<200
Methyl t-butyl ether (MTBE)	<200	Isopropylbenzene	<200
trans-1,2-Dichloroethene	<200	Bromoform	<1,000
1,1-Dichloroethane	<200	n-Propylbenzene	<200
2,2-Dichloropropane	<200	Bromobenzene	<200
cis-1,2-Dichloroethene	<200	1,3,5-Trimethylbenzene	<200
Chloroform	<200	1,1,2,2-Tetrachloroethane	<40
2-Butanone (MEK)	<4,000	1,2,3-Trichloropropane	<200
1,2-Dichloroethane (EDC)	<40	2-Chlorotoluene	<200
1,1,1-Trichloroethane	<200	4-Chlorotoluene	<200
1,1-Dichloropropene	<200	tert-Butylbenzene	<200
Carbon tetrachloride	<100	1,2,4-Trimethylbenzene	<200
Benzene	<70	sec-Butylbenzene	<200
Trichloroethene	<100	p-Isopropyltoluene	<200
1,2-Dichloropropane	<200	1,3-Dichlorobenzene	<200
Bromodichloromethane	<100	1,4-Dichlorobenzene	<200
Dibromomethane	<200	1,2-Dichlorobenzene	<200
4-Methyl-2-pentanone	<2,000	1,2-Dibromo-3-chloropropane	<2,000
cis-1,3-Dichloropropene	<80	1,2,4-Trichlorobenzene	<200
Toluene	220	Hexachlorobutadiene	<100
trans-1,3-Dichloropropene	<80	Naphthalene	<200
1,1,2-Trichloroethane	<100	1,2,3-Trichlorobenzene	<200
2-Hexanone	<2,000		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	02-1936 mb
Date Analyzed:	08/19/22	Data File:	081906.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	107	84	115
4-Bromofluorobenzene	97	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	BFK-926-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/22/22	Lab ID:	208257-01 1/2
Date Analyzed:	08/22/22	Data File:	082214.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	95	15	144
2-Fluorobiphenyl	79	25	128
2,4,6-Tribromophenol	92	10	142
Terphenyl-d14	102	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-11-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/22/22	Lab ID:	208257-02 1/2
Date Analyzed:	08/22/22	Data File:	082215.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	46	10	60
Phenol-d6	30	10	49
Nitrobenzene-d5	96	15	144
2-Fluorobiphenyl	93	25	128
2,4,6-Tribromophenol	96	10	142
Terphenyl-d14	112	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-10-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/22/22	Lab ID:	208257-03 1/2
Date Analyzed:	08/22/22	Data File:	082216.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	48	10	60
Phenol-d6	31	10	49
Nitrobenzene-d5	95	15	144
2-Fluorobiphenyl	78	25	128
2,4,6-Tribromophenol	97	10	142
Terphenyl-d14	102	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	2.3
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	0.65
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	0.071
Anthracene	0.056
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-DUP-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/22/22	Lab ID:	208257-04 1/2
Date Analyzed:	08/22/22	Data File:	082217.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	49	10	60
Phenol-d6	32	10	49
Nitrobenzene-d5	91	15	144
2-Fluorobiphenyl	75	25	128
2,4,6-Tribromophenol	99	10	142
Terphenyl-d14	100	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	1.8
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	0.70
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	0.076
Anthracene	0.057
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-04-08172022	Client:	Wood Environment & Infrastructure
Date Received:	08/17/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/22/22	Lab ID:	208257-05 1/2
Date Analyzed:	08/22/22	Data File:	082218.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	52	10	60
Phenol-d6	33	10	49
Nitrobenzene-d5	93	15	144
2-Fluorobiphenyl	84	25	128
2,4,6-Tribromophenol	97	10	142
Terphenyl-d14	107	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	4.2
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	<0.04
Fluorene	<0.04
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/22/22	Lab ID:	02-2017 mb
Date Analyzed:	08/22/22	Data File:	082209.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	27	10	60
Phenol-d6	15	10	49
Nitrobenzene-d5	97	15	144
2-Fluorobiphenyl	97	25	128
2,4,6-Tribromophenol	88	10	142
Terphenyl-d14	107	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 208261-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	110	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	104	69-134

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	112	63-142	7

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 208312-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	<1	101	99	75-125	2
Chromium	ug/L (ppb)	20	<1	99	97	75-125	2
Copper	ug/L (ppb)	20	<5	98	98	75-125	0
Lead	ug/L (ppb)	10	<1	99	99	75-125	0
Mercury	ug/L (ppb)	5	<1	102	103	75-125	1
Nickel	ug/L (ppb)	20	1.87	97	97	75-125	0
Zinc	ug/L (ppb)	50	<5	96	95	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	95	80-120
Chromium	ug/L (ppb)	20	99	80-120
Copper	ug/L (ppb)	20	102	80-120
Lead	ug/L (ppb)	10	101	80-120
Mercury	ug/L (ppb)	5	104	80-120
Nickel	ug/L (ppb)	20	102	80-120
Zinc	ug/L (ppb)	50	99	80-120

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208252-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	10	<1	91	50-150
Chloromethane	ug/L (ppb)	10	<10	101	50-150
Vinyl chloride	ug/L (ppb)	10	<0.02	107	50-150
Bromomethane	ug/L (ppb)	10	<5	103	50-150
Chloroethane	ug/L (ppb)	10	<1	110	50-150
Trichlorofluoromethane	ug/L (ppb)	10	<1	110	50-150
Acetone	ug/L (ppb)	50	<50	87	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
Hexane	ug/L (ppb)	10	<5	110	50-150
Methylene chloride	ug/L (ppb)	10	<5	102	50-150
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	107	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	112	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	108	50-150
2,2-Dichloropropane	ug/L (ppb)	10	<1	126	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
Chloroform	ug/L (ppb)	10	<1	107	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<20	103	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	107	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	113	50-150
1,1-Dichloropropene	ug/L (ppb)	10	<1	108	50-150
Carbon tetrachloride	ug/L (ppb)	10	<0.5	114	50-150
Benzene	ug/L (ppb)	10	<0.35	106	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	104	50-150
1,2-Dichloropropane	ug/L (ppb)	10	<1	103	50-150
Bromodichloromethane	ug/L (ppb)	10	<0.5	103	50-150
Dibromomethane	ug/L (ppb)	10	<1	104	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	105	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	106	50-150
Toluene	ug/L (ppb)	10	<1	105	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	101	50-150
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	103	50-150
2-Hexanone	ug/L (ppb)	50	<10	100	50-150
1,3-Dichloropropane	ug/L (ppb)	10	<1	106	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	109	50-150
Dibromochloromethane	ug/L (ppb)	10	<0.5	106	50-150
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	104	50-150
Chlorobenzene	ug/L (ppb)	10	<1	104	50-150
Ethylbenzene	ug/L (ppb)	10	<1	108	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	103	50-150
m,p-Xylene	ug/L (ppb)	20	<2	109	50-150
o-Xylene	ug/L (ppb)	10	<1	109	50-150
Styrene	ug/L (ppb)	10	<1	110	50-150
Isopropylbenzene	ug/L (ppb)	10	<1	104	50-150
Bromoform	ug/L (ppb)	10	<5	97	50-150
n-Propylbenzene	ug/L (ppb)	10	<1	106	50-150
Bromobenzene	ug/L (ppb)	10	<1	107	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	103	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	107	50-150
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	110	50-150
2-Chlorotoluene	ug/L (ppb)	10	<1	106	50-150
4-Chlorotoluene	ug/L (ppb)	10	<1	107	50-150
tert-Butylbenzene	ug/L (ppb)	10	<1	103	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	107	50-150
sec-Butylbenzene	ug/L (ppb)	10	<1	106	50-150
p-Isopropyltoluene	ug/L (ppb)	10	<1	109	50-150
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	108	50-150
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	110	50-150
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	105	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	101	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	107	50-150
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	108	50-150
Naphthalene	ug/L (ppb)	10	<1	104	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	103	50-150

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	95	100	46-206	5
Chloromethane	ug/L (ppb)	10	105	107	70-142	2
Vinyl chloride	ug/L (ppb)	10	113	115	70-130	2
Bromomethane	ug/L (ppb)	10	112	114	56-197	2
Chloroethane	ug/L (ppb)	10	116	117	70-130	1
Trichlorofluoromethane	ug/L (ppb)	10	112	116	70-130	4
Acetone	ug/L (ppb)	50	109	101	10-140	8
1,1-Dichloroethene	ug/L (ppb)	10	110	113	70-130	3
Hexane	ug/L (ppb)	10	108	109	54-136	1
Methylene chloride	ug/L (ppb)	10	116	107	43-134	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	110	112	70-130	2
trans-1,2-Dichloroethene	ug/L (ppb)	10	115	117	70-130	2
1,1-Dichloroethane	ug/L (ppb)	10	115	113	70-130	2
2,2-Dichloropropane	ug/L (ppb)	10	133 vo	130	70-130	2
cis-1,2-Dichloroethene	ug/L (ppb)	10	111	120	70-130	8
Chloroform	ug/L (ppb)	10	112	111	70-130	1
2-Butanone (MEK)	ug/L (ppb)	50	102	114	17-154	11
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	109	112	70-130	3
1,1,1-Trichloroethane	ug/L (ppb)	10	116	118	70-130	2
1,1-Dichloropropene	ug/L (ppb)	10	107	109	70-130	2
Carbon tetrachloride	ug/L (ppb)	10	114	116	70-130	2
Benzene	ug/L (ppb)	10	108	109	70-130	1
Trichloroethene	ug/L (ppb)	10	107	107	70-130	0
1,2-Dichloropropane	ug/L (ppb)	10	100	98	70-130	2
Bromodichloromethane	ug/L (ppb)	10	102	105	70-130	3
Dibromomethane	ug/L (ppb)	10	105	109	70-130	4
4-Methyl-2-pentanone	ug/L (ppb)	50	109	117	68-130	7
cis-1,3-Dichloropropene	ug/L (ppb)	10	105	107	69-131	2
Toluene	ug/L (ppb)	10	102	100	70-130	2
trans-1,3-Dichloropropene	ug/L (ppb)	10	97	95	70-130	2
1,1,2-Trichloroethane	ug/L (ppb)	10	101	101	70-130	0
2-Hexanone	ug/L (ppb)	50	104	102	45-138	2
1,3-Dichloropropane	ug/L (ppb)	10	104	105	70-130	1
Tetrachloroethene	ug/L (ppb)	10	106	105	70-130	1
Dibromochloromethane	ug/L (ppb)	10	103	104	60-148	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	105	104	70-130	1
Chlorobenzene	ug/L (ppb)	10	105	104	70-130	1
Ethylbenzene	ug/L (ppb)	10	109	107	70-130	2
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	104	102	70-130	2
m,p-Xylene	ug/L (ppb)	20	109	107	70-130	2
o-Xylene	ug/L (ppb)	10	109	108	70-130	1
Styrene	ug/L (ppb)	10	109	108	70-130	1
Isopropylbenzene	ug/L (ppb)	10	104	104	70-130	0
Bromoform	ug/L (ppb)	10	105	100	69-138	5
n-Propylbenzene	ug/L (ppb)	10	111	102	70-130	8
Bromobenzene	ug/L (ppb)	10	113	102	70-130	10
1,3,5-Trimethylbenzene	ug/L (ppb)	10	109	100	70-130	9
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	109	102	70-130	7
1,2,3-Trichloropropane	ug/L (ppb)	10	116	106	70-130	9
2-Chlorotoluene	ug/L (ppb)	10	111	102	70-130	8
4-Chlorotoluene	ug/L (ppb)	10	111	102	70-130	8
tert-Butylbenzene	ug/L (ppb)	10	105	98	70-130	7
1,2,4-Trimethylbenzene	ug/L (ppb)	10	108	100	70-130	8
sec-Butylbenzene	ug/L (ppb)	10	109	100	70-130	9
p-Isopropyltoluene	ug/L (ppb)	10	110	103	70-130	7
1,3-Dichlorobenzene	ug/L (ppb)	10	110	100	70-130	10
1,4-Dichlorobenzene	ug/L (ppb)	10	114	106	70-130	7
1,2-Dichlorobenzene	ug/L (ppb)	10	108	100	70-130	8
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	114	99	70-130	14
1,2,4-Trichlorobenzene	ug/L (ppb)	10	109	101	70-130	8
Hexachlorobutadiene	ug/L (ppb)	10	114	105	70-130	8
Naphthalene	ug/L (ppb)	10	108	101	70-130	7
1,2,3-Trichlorobenzene	ug/L (ppb)	10	106	101	70-130	5

Date of Report: 08/29/22
Date Received: 08/17/22
Project: Kelly Moore PS2120450, F&BI 208257

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	90	90	50-104	0
2-Methylnaphthalene	ug/L (ppb)	5	91	92	54-109	1
1-Methylnaphthalene	ug/L (ppb)	5	91	92	55-108	1
Acenaphthylene	ug/L (ppb)	5	95	97	60-114	2
Acenaphthene	ug/L (ppb)	5	94	95	57-110	1
Fluorene	ug/L (ppb)	5	93	95	61-115	2
Phenanthrene	ug/L (ppb)	5	99	99	63-113	0
Anthracene	ug/L (ppb)	5	101	101	65-117	0
Fluoranthene	ug/L (ppb)	5	104	105	68-121	1
Pyrene	ug/L (ppb)	5	100	98	66-125	2
Benz(a)anthracene	ug/L (ppb)	5	104	105	70-130	1
Chrysene	ug/L (ppb)	5	101	102	67-119	1
Benzo(a)pyrene	ug/L (ppb)	5	103	104	68-126	1
Benzo(b)fluoranthene	ug/L (ppb)	5	104	105	62-130	1
Benzo(k)fluoranthene	ug/L (ppb)	5	104	105	67-125	1
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	101	101	63-131	0
Dibenz(a,h)anthracene	ug/L (ppb)	5	105	105	62-133	0
Benzo(g,h,i)perylene	ug/L (ppb)	5	101	102	57-133	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

8/17/22

E03/AI5/VW4

Page # 1 of 1

208257

Report To Jacklyn Perkins, Christy Duitman

Company WOOD E+IS

Address 3500 188th St SW, Suite 601

City, State, ZIP Lynnwood, WA 98037

Phone 425-608-1907 Email jacklyn.perkins@woodplc.com christy.duitman@woodplc.com

SAMPLERS (signature)	
PROJECT NAME: Kelly Moore	PO #: PS2120450
REMARKS: Tier IV data package Project specific RLs? - Yes / No	INVOICE TO: WOOD

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Metals 6020B (As, Cr, Cu, Pb, Mn, Ni, Zn)				Notes
BFK-926-08172022	01 A-J	08/17/22	0900	GW	10	X	X			X	X		X				Chromatograms
KMW-11-08172022	02		1030			X	X			X	X		X				
KMW-10-08172022	03		1130			X	X			X	X		X				
KMW-DUP-08172022	04		1230			X	X			X	X		X				
KMW-04-08172022	05		1330			X	X			X	X		X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jacklyn Perkins	WOOD	8/17/22	
Received by: W. Madden	W. Madden	F+BI	8/17/22	1655
Relinquished by:		Samples received at 0 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

F&B Project 208257

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY

8/17/22

E03/AI5/VW4

Page # 1 of 1

208257

Report To Jacklyn Perkins, Christy Dutman

Company WOOD E+IS

Address 3500 188th St SW, Suite 601

City, State, ZIP Lynnwood, WA 98037

Phone 425-608-1907 Email jacklyn.perkins@woodplc.com, christy.dutman@woodplc.com

SAMPLERS (*signature*)

PROJECT NAME: Kelly Moore

PO #: PS2120450

REMARKS: Tier IV data package

Project specific RLs? - Yes / No

INVOICE TO: WOOD

TURNAROUND TIME

☒ Standard turnaround

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Metals 6020B (As, Cr, Cu, Pb, Hg, Ni, Zn)				Notes
BFK-926-08172022	01 A-J	08/17/22	0900	GW	10	X	X			X	X		X				Chromatograms
KMW-11-08172022	02		1030			X	X			X	X		X				
KMW-10-08172022	03		1130			X	X			X	X		X				
KMW-DUP-08172022	04		1230			X	X			X	X		X				
KMW-04-08172022	05		1330			X	X			X	X		X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jacklyn Perkins	WOOD	8/17/22	
Received by: W. Madden	W. Madden	F+BI	8/17/22	1655
Relinquished by:		Samples received at 0 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282 NP

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 208257 CLIENT Wood E+IS INITIALS/ DATE: WM 8/17/22

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 0 °C

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?
- ☒ Over the Counter
- ☐ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☒ Yes	☐ No	# of Containers	☒ Yes	☐ No
Date Sampled	☒ Yes	☐ No	Relinquished	☒ Yes	☐ No
Time Sampled	☒ Yes	☐ No	Requested analysis	☒ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☒ YES ☐ NO

Air Samples: Were any additional canisters received? ☒ NA ☐ YES ☐ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Laboratory Worksheets

GASOLINE/BTEX EXTRACTION WORKSHEET (WATER)

HT

Project #: 208257
Client: Wood
QC Batch ID: 02-1743
Samples checked against COC: ML

Date Received: 8/17/22
Date Extracted: AUG 23 '22 AM6:37
Date Analyzed: AM 08-24
GC ☐2 ☐3, Seq. Date

Analysis Method:
- ☒ NWTPH-Gx
- ☐ 8021B
- ☐ NWTPH-Gx/8021B
- ☐ 8015M
- ☐ AK101 [LCS/LCSD]
- ☐ Other

Calculation Range:
- ☐ C_6 to C_{10}
- ☒ Benzene to Naphthalene

Requested Analytes:
- ☐ BTEX
- ☒ Gasoline
- ☐ BTEX + Gasoline
- ☐ MTBE
- ☐ Other

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other

Extraction Method:
- ☒ 5030
- ☐ Other

- ☒ ve's not Acceptable
- ☒ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Due Date: 8/25

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	DY	Observations
01 F	<2			8.0	40mL	1/5	
02	<2 8-24	43	43				
03	<2			8.0	40mL	1/5	
04				↓	↓	↓	
05				↓	↓	↓	
ML 8/23							
01G	<2 8-24	43mL	43mL				
8-23							AUG 23 '22 15:15
03H	<2 8-24			500mL	40mL	1/80	
04 ↓	<2 8-24			↓	↓	↓	
8-24							AUG 24 '22 10:50

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water	NA		
Other							
Surrogate/Internal Standard	—	1 ul of 500 ppm BFB spiked at instr. to yield 100 ppb			67-45B	MC	8-23
Other							

Project Leader Initials: ML

NOTES: Tier IV

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: _____ Technician: Je

QA Batch: 02-1743

AUG 23 '22 AM5:04

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☑ Other DIW

Solvent Lot # NA

Analysis
- ☐ Diesel
- ☑ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) FL Cu Silica	Filter	H_2SO_4	Observations
MB		40mL		40mL						
LCSV		"		"						
LCSG		"		"						
208260-01A		43mL		43mL						
-01BDUP		"		"						
JL 08.23.22		—	—	—						
Initials										

Samples in Batch

208260-01	-04	-03		
208257-01	-05	-04		
-02	208288-01	208260-01		
-03	-02	208310-01		

Date/Initials

Matrix Spikes: 40 µL of 50 ppm of BTEX — Lot # 66.187B — 08.23.22 JL
(Amount / Concentration / Analytes and Solvent)

Matrix Spikes: 40 µL of 1,000 ppm of GX — Lot # 66.188G — JL 08.23

Surrogates: 1 µL of 500 ppm of 4BFB — Lot # 67.45B

Internal Standards: _____ µL of _____ ppm of _____ — Lot # _____

Notes: _____

TPH AS DIESEL/MOTOR OIL EXTRACTION WORKSHEET (WATER)

Project #: 208257 (2)
Client: Wood
QC Batch ID: 02-2002 MB
Samples checked against COC NT 8/18

Date Received: 8/17/22
Date Extracted: AUG 18 '22 AM 09:22
Date Analyzed:
GC ☑1 ☐4 ☐6, Seq. Date

Analysis Method:
- ☒ NWTPH-Dx
- ☐ 8015M
- ☐ AK102 [LCS/LCSD]
- ☐ AK103 [LCS/LCSD]
- ☐ Other

Calculation Range/Requested Analyte(s):
- ☐ C_{10} to C_{36} (Diesel Ext.)
- ☒ C_{10} to C_{36} (Diesel/Motor Oil)
- ☐ Other
- ☐ C_{10} to C_{25} (Diesel)
- ☐ C_{25} to C_{36} (Motor Oil)
- ☐ C_8 to C_{11} (Stoddard Solvent)

Clean Up:
- ☐ Silica Gel
- ☐ Filtration
- ☐ Other
- ☐ Only if Detect
- ☐ With and Without

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other

Extraction Method
- ☒ 3510

- ☒ ve's not Acceptable
- ☒ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF
- ☒ Print Cgrams

Due Date: 8/25

Sample ID	pH	Sample Volume (mL)	Extraction Solvent Volume 3 x 60 ml	Final Vol mL 2.5 / 5	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up Silica	Clean Up Filter	Observations
01A	<2	452							emulsion
02A	<2	452							emulsion
03A	<2	470							emulsion
04A	<2	435							emulsion
05A	<2	469							emulsion
	NT 8/18	DLW 8/18	(2) 8/18	mep 8/18					@ 8/18
Initials									

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	Methylene chloride	225-21		8.18.22
Other							
Surrogate(s)		25 µl	1,000	Pentacosane/o-terphenyl	66-154		8.18.22
		50 µl	1,000	Pentacosane/o-terphenyl			
		25 µl	1,000	Triacontane/Pentacosane/o-terphenyl			
		50 µl	1,000	Triacontane/Pentacosane/o-terphenyl			
Acid (HCl)							

Project Leader Initials: MC

NOTES: Tier IV ✓ MLS 8/18/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 8-17-22 Technician: (8)

QA Batch: **O2-2002**

AUG 17 '22 PM02:19

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☒ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #225-21

Analysis
- ☒ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) FL Silica	Cu Filter	H_2SO_4	Observations
MB	<2	500ml	1x35 2x15ml	2.5ml						
LCS	<2	"	"	"						
LCSD	<2	"	"	"						
	NT 8/17	NT 8/17	(8) 8/17							
MB(2)	<2	500ml	1x35 2x15ml	2.5ml						
	NT 8/18	NT 8/18	(8) 8/18	mp 8/18						
							AUG 18 '22 AM09:22			
Initials										

Samples in Batch

208236-01	07	06	03
02	08	07	04
04	09	208257-01	05
208252-01	05	02	

Date/Initials

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Matrix Spikes:
25 µL of 50,000 ppm of WAF #2 Lot #65-122-G (8) 8/17/2
Amount Concentration Analytes and Solvent

Surrogates:
25 µL of 1,000 ppm of Pentacosane/O-TRP Lot #66-154
Amount Concentration Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Notes: _____

VOC EXTRACTION WORKSHEET (WATER)

HT_____

Project #: 208257 | Date Received: 8/17/22

Client: Wood | Date Extracted: AUG 19 '22 PM4:27

QC Batch ID: 02-1936 | Date Analyzed: \

Samples checked against COC dm | GCMS ☐4 ☒11 ☐13, Seq. Date_____

Analysis Method:
- ☒ 8260
- ☐ 8260 SIM
- ☐ 524.2 SIM
- ☐ Other_____

Requested Analytes:
- ☒ 8260 Normal List
- ☐ MTBE
- ☐ cVOCs
- ☐ PCE/Daughters
- ☐ BTEX
- ☐ BTEX+N
- ☐ 524.2 Normal List
- ☐ Other_____

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other_____

Extraction Method:
- ☒ 5030

- ☒ ve's not Acceptable
- ☒ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Due Date: 8/25

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Foamy Sample	Observations
01 E	<2	43	43		mL	FS		
02	"	"	"			"		
03	"	"	"			"		ve
04	"	"	"			"		"
05	NaOH/HCl	"	"			"		"
08/19/22 dm	—	—	—	—	—	—		
03 G	<2	"	"	215µL	43mL	1/200		(re ve)
04	"	"	"	"	"	"		"
05	8/22 JLM	"	"	"	"	"		"
08/22/22 dm	—	—	—	—	—	—		

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	X	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			66-106A	JLM	8/19/22
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: MK

NOTES: Tec. IV

Calculated by LM 8.23.22 Reviewed by YA 08/24/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 08/19/22 05:00 Technician: JLM/LM

QA Batch: **02-1936**

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other

Solvent Lot #

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☒ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Cu Filter	H_2SO_4	Observations
MB	<2	43mL				—				
LCS	"	"				—				
LCSD	"	"				—				
208252 -01	"	"				—				
08/19/22 SLM	—	—	—	—	—	—	—			
MB CL										curry mix
Initials										

Samples in Batch

208285	-01	208252	-01		-05		-02	208236	-01
"	-02	"	-02	"	-06	"	-03	"	-02
"	-03	"	-03	"	-07	"	-04	"	-04
208289	-01	"	-04	208257	-01	"	-05		

Date/Initials

Matrix Spikes:
8.6 µL of 50 ppm of 8260 CCV/LCS Lot # 67-54A 08/19/22 SLM
Amount Concentration Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot # _____ _____
Amount Concentration Analytes and Solvent

Surrogates:
5 µL of 10 ppm of 8260 IS/SURR Lot # 66-106A _____
Amount Concentration Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot # _____ _____
Amount Concentration Analytes and Solvent

Notes: _____

Dilution and Reextraction Request

Date: 8.22.22 Initials: LM

Date Needed (instrument ready): _____

Analysis: 8260 HW Matrix: ☐Soil ~~☐Water~~

☐Product ☐Other _____

QC Batch: 02-1936 Instrument: GCMS 11

Project Number	Sample	Final Extract Volume	Dilution Factor	Extract Volume (µL)	Solvent Volume (µL)	Loading ID (FEV*DF)	Reason for reanalyses or reextraction
205257	03		1/200				Very high
↓	04		↓				↓
	05						

SVOC EXTRACTION WORKSHEET (WATER)

HT 8/24

Project #: 208257
Client: Wood
QC Batch ID: 02-2017
Samples checked against COC: (8)

Date Received: 8/17/22
Date Extracted: 8-22-22
Date Analyzed:
☑ GCMS 9 ☐ GCMS 12, Seq. Date

Analysis Method: ☒ 8270 ☐ Other
Requested Analytes: ☐ 8270 Normal List ☒ PAHs (basic only) ☐ cPAHs (basic only) ☐ PCP (acidic only) ☐ Other
Clean Up: ☐ Silica Gel ☐ Other
Reporting Units: ☒ µg/L (ppb) ☐ Other
Extraction Method: ☒ 3510 ☐ Other

AUG 22 '22 PM12:05

Due Date: 8/25

☒ ve's not Acceptable ☐ Need EDF
☒ Dilutions Only Not Acceptable ☐ Acceptable Dilution:

Sample ID	pH 1st	pH 2nd	Sample Volume (1,000 mL)	Extraction Solvent Vo; (1x70, 5x30 mL) (1x35, 5x75)	Final Volume (1 mL)	Silica Gel (SG) Clean Up Done	Dilutions Amt. Extract	Dilutions Amt. Solvent	Dilution Factor	Observations
01 (B)	<2	>11.5	461							emulsion
02	<2	>11.5	462							emulsion
03	<2	>11.5	463							emulsion
04	<2	>11.5	458							emulsion
05	<2	>11.5	458							emulsion
	(8) 8.22	NT 8/22	(8) 8/22	(8) 8/22	(8) 8/22					(8) 8/22
Initials										

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	✓	NA	NA	Methylene chloride	225-21	(8)	8.22.22
Other							
Surrogate(s)	✓	20 µL	500/750	BNA/SUR (to 1 mL extract)	67-40	(8)	8.22.22
		10 µL	500/750	BNA/SUR (to 0.5 mL extract)			
Other							
Internal		10 µL	80	SV/IS (to 100 µL extract)			
Standard(s)	✓	10 µL	800	SV/IS (to 1 mL extract)	67-16	(8)	8.22.22
Other		50 µL	80	SV/IS (to 0.5 mL extract)			

Project Leader Initials: MC

NOTES: Tier IV

Calculated by: MC 08.23.22 Reviewed by: YA 08/25/22

FORMS\LAB\EXTRACT\8270

Rev. 04/30/21

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 8-22-22 Technician: [signature]

QA Batch: **O2-2017**

AUG 22 '22 PM12:04

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other

Solvent
- ☒ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other

Solvent Lot #225-21

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☒ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Filter	Cu H_2SO_4	Observations
MB	<2 >11.5	1,000ml	1X35 5X15ml	1ml						
LCS	<2 >11.5									
LCSD	<2 >11.5									
MB②	<2 >11.5		1X70 5X30ml							
	[signature] NT 8/22	[signature] 8/22	[signature] 8/22	[signature] 8/22						
MB③	<2 >11.5	1,000ml	1X70 5X30ml	0.5ml						
8/22	[signature] NT 8/22	[signature] 8/22	[signature] 8/22	[signature] 8/22						
Initials										

Samples in Batch

208257-01	208257-05			
02	208276-01			
03	208310-01			
04				

Date/Initials

Matrix Spikes: 25 µL of 1,000 ppm of Benzoic acid — Lot # 67-53 — [signature] 8.22.22
(Amount / Concentration / Analytes and Solvent)

Matrix Spikes: 50 µL of 100/400 ppm of 8270-MS — Lot # 67-52

Surrogates: 20 µL of 500/750 ppm of 8270-Sur — Lot # 67-40

Internal Standards: 10 µL of 800 ppm of SV-IS — Lot # 67-16

Notes:

METALS BY ICP/MS EXTRACTION WORKSHEET (WATER)

Project #: 208257
Client: Wood
QC Batch ID: I2-580
Samples checked against COC: ML

Date Received: 8/17/22
Date Extracted: AUG 24 '22 AM 10:35
Date Analyzed:
Sequence Date:

Analysis Method: ☐ 200.8 ☒ 6020B ☐ Other_____
Matrix: ☒ Water ☐ Other_____
Requested Analyses: ☐ RCRA (8) ☐ MTCA (5) ☐ Priority Pollutant ☐ CAM 17 ☐ Other as Marked Below
Total or Dissolved: ☐ Total ☐ Dissolved ☐ Field Filtered ☐ Lab Filtered on: _____
Reporting Units: ☒ µg/L (ppb) ☐ Other_____

Analyte List: Be V (Cr) Mn Co (Ni) (Cu) (Zn) (As) Se Mo Ag Cd Sb Ba Tl (Pb) (Hg) Fe

Due Date: 8/25
☐ ve's not Acceptable
☐ Dilutions Not Acceptable for Non-Detects ☐ Need EDF

Sample ID	Initial pH	Sample Volume	Final Volume	Dilutions		Dilution Factor	Final pH	Observations
				Amt. Extract	Amt. Solvent			
01 D	12	50 mL	50 mL					
02								
03								
04								
05 ⊥								
ML 08/24/22								

Initials

Fill in if acid added (16 hr check). →
Date/Time acid added to last sample
Date/Time final pH measured

	✓	Volume	Conc.	Compound(s)	Lot #	Initials	Date
Reagent(s)		1 mL	approx. 70%	HNO_3	22S-07	ML	08/24/22
		10 µL	approx. 37%	HCl	22S-14	"	
		100 µL	1,000 ppm	Au	I8-73A	"	
Internal Standard(s)		30 ppb spiked at instr. to yield 10 ppb		See below for IS	I8-56B	N/A	
		10 µL per 10 mL sample	10 mg/L	^{6}Li, ^{45}Sc, ^{72}Ge, ^{89}Y, ^{115}In, ^{159}Tb, ^{165}Ho, ^{209}Bi			

Project Leader Initials: VK

NOTES: Tier IV

Calculated by SP 08/25/22
Reviewed by Final MC 8/25/22

BATCH INORGANIC EXTRACTION WORKSHEET

Date Extracted: _____ Technician: WE

QA Batch: I2-0580

AUG 24 '22 AM10:35

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Solid
- ☐ _____

Reagent
- ☑ HNO_3 Lot # 225-07
- ☑ HCL Lot # 225-14
- ☐ H_2O_2 Lot #_____
- ☐ Hexane Lot #_____
- ☐ BrCl Lot #_____
- ☐ NH_2OH-HCl Lot #_____
- ☐ _____

Analysis
- ☐ Metals
- ☐ pH
- ☐ Specific Gravity
- ☑ Total
- ☐ TCLP Metals
- ☐ Turbidity
- ☐ Hg
- ☐ Dissolved
- ☐ TSS
- ☐ Hardness
- ☐ Other_____
- ☐ Other_____

Sample ID	pH TCLP Only	Sample Weight/ Volume	Reagent Volume 1	2	3	Final Volume	Dilutions Amt. Extract	Amt. Solvent	Observations
MB		50ml	1ml	10ml	100µl	5ml			
LCS		↓	↓	↓	↓	↓			
208312-01	ms	↓	↓	↓	↓	↓			
↓	msp	↓	↓	↓	↓	↓			
WE 08124/22A									
Initials									

Samples in Batch

208312-01	208257-01	↓ -05		
↓ -02	↓ -02	208342-01		
-03	-03	↓ -07		
↓ -04	-04			

Date/Initials

Matrix Spikes:
50 µL of 5-100 ppm of Water Spike Lot # IE-59A 08124/22 WE
Amount Concentration Analytes and Solvent

Matrix Spikes:
25 µL of 10 ppm of Hg Lot # F8-130 A
Amount Concentration Analytes and Solvent

Internal Standard:
on instr. µL of 0-03 ppm of IS Lot # I8-86 B
Amount Concentration Analytes and Solvent

Notes: _____

NWTPH-Gx
MDLs

MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8021B/NWTPH-Gx/8015
Matrix: water
Instrument ID: GC2
Reporting Units: ug/L

Standard(s) spikec 1ppm BTEX lot 63-124D, 100 ppm GAS lot 63-106D 40ml F.V
Volume spiked: 20 ul each standard
Date(s) Extracted: 5/25/21, 05/26/21, 06/16/21, 08/04/21, 09/20/21,10/13/21, 12/3
Date(s) Analyzed: 5/26/21, 05/27/21, 06/17/21, 08/05/21,09/21/21,10/14/21,12/30
Date Calculated: 5/27/21, 05/28/21, 06/18/21, 08/06/21,09/22/21,10/15/21,01/03
Calculation Analys AEN

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.	Spike<10x MDL?
Benzene	0.0970	0.194	0.485	0.0324	0.484	0.500	97	Yes
Toluene	0.0974	0.195	0.487	0.0325	0.513	0.500	103	Yes
Ethylbenzene	0.0550	0.110	0.275	0.0184	0.481	0.500	96	Yes
Total Xylenes	0.199	0.397	0.994	0.066	1.45	1.50	97	Yes
NW Gas/gasoline	15.4	30.7	76.9	5.13	57.1	50.0	114	Yes
8015 Gas/tphg	17.1	34.3	85.7	5.72	57.7	50.0	115	Yes

MDL Da

′ .

3021,02/08/22
)/21,02/09/22
3/21,02/10/22

Analysis:
Matrix:
Instrumen
Reporting

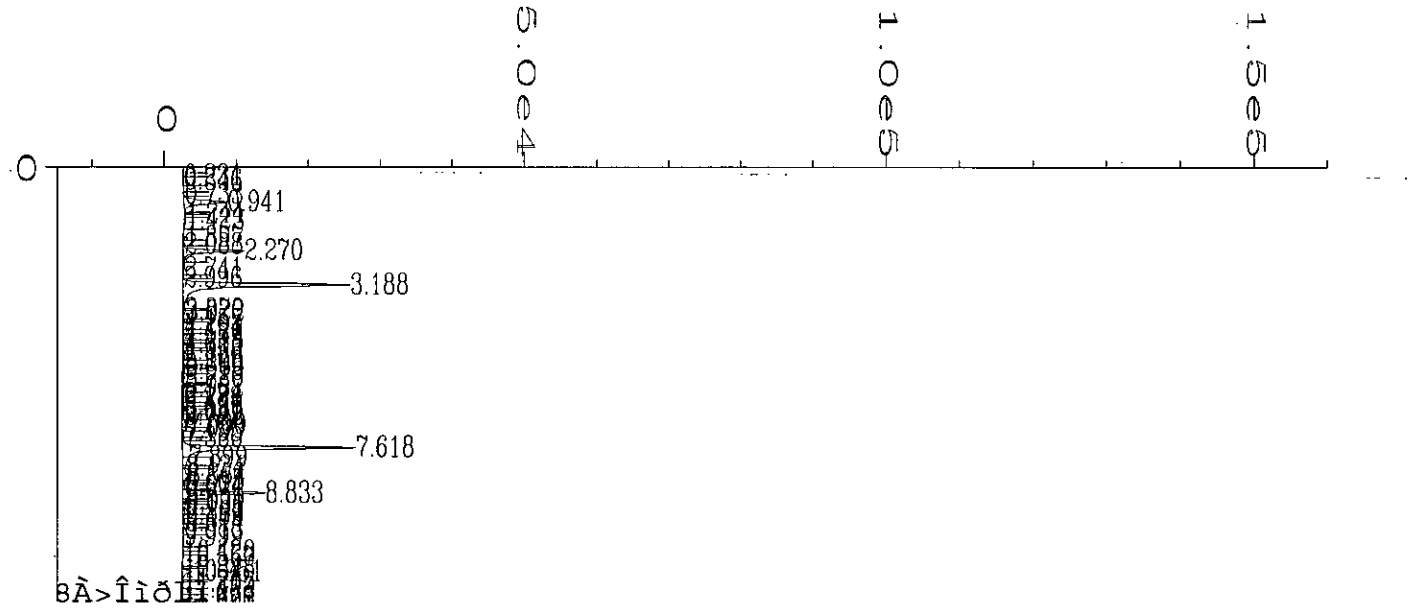
Analyte

NWTPH-Gx
Initial Calibrations

GC - 2			Seq Line		Vial #s				
Sequence Date:	8/17/22								
Standard ID									
Sample ID	100 GX 67-60	500 GX 67-60	1000 GX 67-60	5000 GX 67-60	10000 GX 67-60				
Concentration	100	500.00	1000	5000	10000				
BFB-FID	147388	1.29E+05	1.32E+05	1.32E+05	1.42E+05				
BFB-PID	1708049	1.96E+06	2.22E+06	2.20E+06	4.11E+06				
Benzene-FID	6247	2.27E+04	3.79E+04	1.73E+05	3.50E+05				
Benzene-PID	16608	7.79E+04	1.61E+05	8.40E+05	2.13E+06				
Toluene-FID	33896	1.57E+05	3.37E+05	1.53E+06	3.23E+06				
Toluene-PID	162921	8.13E+05	1.63E+06	8.07E+06	1.62E+07				
Ethylbenzene-FID	5.10E+03	2.46E+04	4.56E+04	2.31E+05	4.94E+05				
Ethylbenzene-PID	21331	1.13E+05	2.33E+05	1.21E+06	2.52E+06				
m,p-Xylenes-FID	23503	1.08E+05	2.16E+05	1.12E+06	2.26E+06				
m,p-Xylenes-PID	124576	6.36E+05	1.30E+06	6.56E+06	1.32E+07				
o-Xylene-FID	9641	4.62E+04	9.15E+04	4.51E+05	9.44E+05				
o-Xylene-PID	48609	2.48E+05	5.09E+05	2.48E+06	4.94E+06				
MTBE-FID	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
MTBE-PID	2522	3.16E+03	9.94E+03	7.10E+04	1.42E+05				
Gasoline CA/NW-FID	1.77E+05	7.55E+05	1.43E+06	7.14E+06	1.54E+07				
Gasoline CA/NW-PID	6.45E+05	2.84E+06	5.71E+06	3.03E+07	5.97E+07				
End of C10-end of C12	-1.47E+05	-1.29E+05	-1.32E+05	-1.32E+05	-1.42E+05				
Gasoline AK-PID	-1.71E+06	-1.96E+06	-2.22E+06	-2.20E+06	-4.11E+06				
RESPONSE FACTORS								Avg FID	%RSD
BFB-FID	1474	257	132	26	14	#DIV/0!	#DIV/0!	3.81E+02	162%
BFB-PID	17080	3921	2221	441	411	#DIV/0!	#DIV/0!	4.81E+03	146%
Benzene-FID	62	45	38	35	35	#DIV/0!	#DIV/0!	4.31E+01	27%
Benzene-PID	166	156	161	168	213	#DIV/0!	#DIV/0!	1.73E+02	13%
Toluene-FID	339	314	337	307	323	#DIV/0!	#DIV/0!	3.24E+02	4%
Toluene-PID	1629	1626	1627	1615	1621	#DIV/0!	#DIV/0!	1.62E+03	0%
Ethylbenzene-FID	51	49	46	46	49	#DIV/0!	#DIV/0!	4.83E+01	5%
Ethylbenzene-PID	213	225	233	242	252	#DIV/0!	#DIV/0!	2.33E+02	6%
m,p-Xylenes-FID	118	108	108	112	113	#DIV/0!	#DIV/0!	1.12E+02	4%
m,p-Xylenes-PID	623	636	650	656	659	#DIV/0!	#DIV/0!	6.45E+02	2%
o-Xylene-FID	96	92	91	90	94	#DIV/0!	#DIV/0!	9.30E+01	3%
o-Xylene-PID	486	496	509	496	494	#DIV/0!	#DIV/0!	4.96E+02	2%
MTBE-FID	0	0	0	0	0	#DIV/0!	#DIV/0!	0.00E+00	#DIV/0!
MTBE-PID	25	6	10	14	14	#DIV/0!	#DIV/0!	1.40E+01	51%
Gasoline NW-FID	1768	1509	1431	1428	1538	#DIV/0!	#DIV/0!	1.53E+03	9%
Gasoline NW-PID	6450	5676	5710	6067	5965	#DIV/0!	#DIV/0!	5.97E+03	5%
End of C10-End of C12	-1474	-257	-132	-26	-14	#DIV/0!	#DIV/0!	-3.81E+02	-162%
Gasoline CA/AK-PID	-17080	-3921	-2221	-441	-411	#DIV/0!	#DIV/0!	-4.81E+03	-146%
Calculated by:	JC 08-18-22				Reviewed by:		8/18/22		
Excel Spread sheet updated (Y/N)									
			Initia	Date/Time					

2nd SOURCE OK

Calculated									
Concentrations	100.0	500	1000	5000	10000	0	0		
BFB-FID	387	338	347	347	373	0	0		
BFB-PID	355	407	461	458	853	0	0		
Benzene-FID	145.03	527.6	879.4	4008	8134	0	0		
Benzene-PID	96.06	450.7	932.5	4861	12332	0	0		
Toluene-FID	104.67	484.2	1041.0	4735	9968	0	0		
Toluene-PID	100.33	500.8	1002.2	4972	9984	0	0		
Ethylbenzene-FID	105.59	509.7	943.8	4786	10237	0	0		
Ethylbenzene-PID	91.48	482.9	999.5	5192	10814	0	0		
m,p-Xylenes-FID	210.41	965.3	1930.3	10070	20211	0	0		
m,p-Xylenes-PID	193.16	986.7	2015.3	10176	20445	0	0		
o-Xylene-FID	103.69	496.9	983.6	4853	10151	0	0		
o-Xylene-PID	97.95	499.9	1024.9	5001	9955	0	0		
MTBE-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
MTBE-PID	180.45	226.0	710.8	5079	10171	0	0		
Gasoline CA/NW-FID	115.20	491.6	932.5	4652	10018	0	0		
Gasoline CA/NW-PID	107.98	475.1	955.9	5078	9986	0	0		
End of C10-End of C12	387.02	337.92	347.2	347	373.45	0	0		
Gasoline AK-PID	354.75	407.2	461.2	458	853	0	0		



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\012F0101.D
Operator : awb
Instrument : GC2
Sample Name : rt std 66-87B
Run Time Bar Code:
Acquired on : 17 Aug 22 10:42 AM
Report Created on: 17 Aug 22 10:57 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\012F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.231	163	80	BV	0.034	0.0280
2	0.346	427	70	PB	0.084	0.0733
3	0.733	405	115	PV	0.059	0.0695
4	0.941	45924	6045	PV	0.111	7.8794
5	1.244	197	109	PB	0.030	0.0338
6	1.423	2198	229	BV	0.147	0.3771
7	1.897	1351	225	PV	0.100	0.2318
8	2.088	817	190	VV	0.072	0.1401
9	2.270	49891	8492	PV	0.089	8.5602
10	2.741	2406	184	VV	0.201	0.4128
11	2.996	453	116	VV	0.062	0.0777
12	3.188	174479	23329	VV	0.110	29.9364
13	3.870	937	325	VV	0.048	0.1607
14	3.922	2924	332	VV	0.147	0.5017
15	4.155	544	182	VV	0.052	0.0933
16	4.294	1281	189	VV	0.113	0.2198
17	4.471	536	137	PV	0.065	0.0920
18	4.559	976	209	VV	0.071	0.1674
19	4.738	917	223	VV	0.064	0.1573
20	4.810	1134	264	VV	0.072	0.1946

Data File Name : C:\HPCHEM\2\DATA\08-17-22\012F0101.D
Operator : awb
Instrument : GC2
Sample Name : rt std 66-87B
Run Time Bar Code:
Acquired on : 17 Aug 22 10:42 AM
Report Created on: 17 Aug 22 10:57 AM

Page Number : 2
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.958	293	116	VV	0.042	0.0502
22	5.188	2718	329	VV	0.138	0.4664
23	5.300	1108	201	VV	0.080	0.1901
24	5.386	1693	421	VV	0.067	0.2905
25	5.518	2226	325	VV	0.110	0.3819
26	5.720	2594	292	VV	0.118	0.4451
27	5.982	2611	360	VV	0.095	0.4479
28	6.174	828	172	VV	0.080	0.1420
29	6.283	1261	189	VV	0.111	0.2164
30	6.459	1280	251	VV	0.084	0.2196
31	6.538	869	315	VV	0.046	0.1491
32	6.581	950	281	VV	0.056	0.1631
33	6.649	715	234	VV	0.051	0.1227
34	6.762	1342	252	PV	0.073	0.2303
35	7.000	4996	676	VV	0.097	0.8572
36	7.099	2411	541	VV	0.074	0.4136
37	7.195	1908	288	VV	0.111	0.3273
38	7.360	719	192	VV	0.063	0.1233
39	7.618	141504	24575	VV	0.086	24.2788
40	7.899	9137	852	VV	0.179	1.5678
41	8.134	1955	488	VV	0.067	0.3355
42	8.364	8739	698	VV	0.195	1.4994
43	8.515	1295	458	VV	0.047	0.2222
44	8.604	1077	322	VV	0.052	0.1848
45	8.674	1616	313	VV	0.081	0.2773
46	8.833	59059	11727	VV	0.077	10.1331
47	9.009	1737	456	VV	0.063	0.2980
48	9.091	1310	402	VV	0.054	0.2248
49	9.186	1967	371	VV	0.088	0.3375
50	9.362	2186	349	VV	0.104	0.3751
51	9.439	1051	213	VV	0.082	0.1804
52	9.614	1543	312	VV	0.084	0.2648
53	9.813	761	269	VV	0.044	0.1306
54	9.999	283	114	PB	0.042	0.0485
55	10.428	454	123	PV	0.062	0.0779
56	10.567	1270	136	PV	0.156	0.2178
57	10.848	323	112	VV	0.048	0.0555
58	10.951	8874	1318	VV	0.096	1.5226
59	11.217	381	144	VV	0.044	0.0654
60	11.263	1109	184	VV	0.101	0.1903
61	11.422	897	181	VV	0.083	0.1539
62	11.639	591	137	VV	0.078	0.1015
63	11.720	410	121	VV	0.057	0.0704
64	11.881	948	194	VV	0.081	0.1627
65	12.011	712	152	PV	0.106	0.1222
66	12.144	759	187	VV	0.068	0.1303
67	12.262	1919	134	VV	0.239	0.3293
68	12.667	489	172	VV	0.047	0.0839
69	12.800	708	161	VV	0.075	0.1214
70	12.913	249	120	VV	0.035	0.0426
71	12.969	439	95	VV	0.077	0.0754
72	13.105	520	147	VV	0.053	0.0893
73	13.320	1114	148	VV	0.125	0.1911
74	13.403	418	210	VV	0.033	0.0717

Data File Name : C:\HPCHEM\2\DATA\08-17-22\012F0101.D
Operator : awb
Instrument : GC2
Sample Name : rt std 66-87B
Run Time Bar Code:
Acquired on : 17 Aug 22 10:42 AM
Report Created on: 17 Aug 22 10:57 AM

Page Number : 3
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	13.478	180	102	PV	0.036	0.0308
76	13.535	428	130	VV	0.055	0.0735
77	13.643	607	142	VV	0.071	0.1042
78	13.799	574	136	VV	0.077	0.0984
79	13.906	817	166	VV	0.102	0.1401
80	14.068	1066	186	VV	0.079	0.1829
81	14.551	1022	123	VV	0.160	0.1754
82	14.717	430	120	VV	0.060	0.0737
83	14.829	946	131	VV	0.120	0.1623
84	15.146	475	110	PV	0.080	0.0814

Total area = 582831

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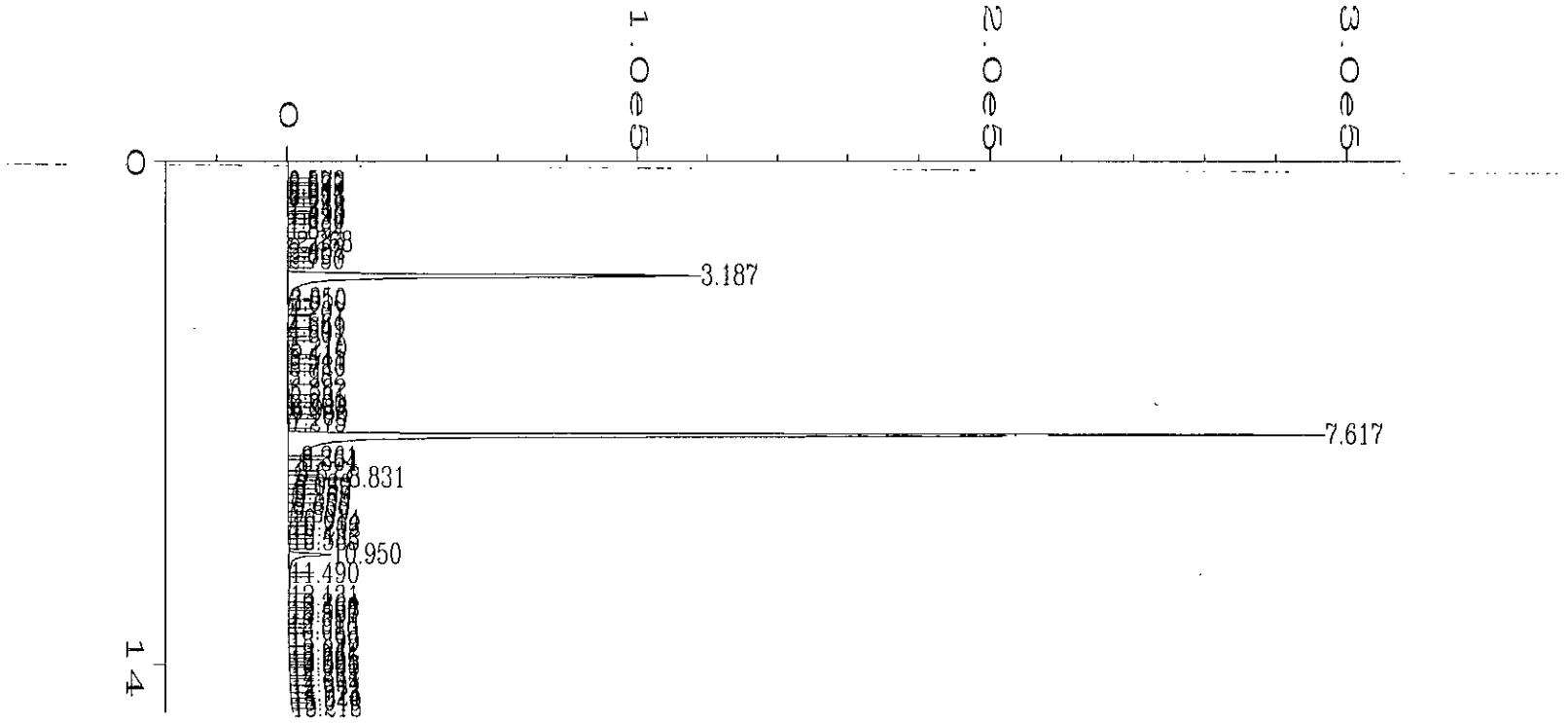

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\012R0101.D
Operator : awb
Instrument : GC2
Sample Name : rt std 66-87B
Run Time Bar Code:
Acquired on : 17 Aug 22 10:42 AM
Report Created on: 17 Aug 22 10:57 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\012R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.570	621	112	PV	0.098	0.0199
2	0.627	366	104	VV	0.059	0.0118
3	0.697	632	112	VV	0.094	0.0203
4	0.844	418	128	PV	0.052	0.0134
5	0.932	506	155	VV	0.050	0.0163
6	0.993	383	144	VV	0.044	0.0123
7	1.242	688	214	PV	0.049	0.0221
8	1.318	1098	268	VV	0.069	0.0352
9	1.414	633	216	VV	0.049	0.0203
10	1.490	1385	218	VV	0.106	0.0445
11	1.630	699	139	VV	0.084	0.0224
12	1.894	778	124	VV	0.089	0.0250
13	2.268	13455	2499	PV	0.084	0.4319
14	2.482	845	139	VV	0.101	0.0271
15	2.607	271	80	PV	0.056	0.0087
16	2.750	24	24	PV	0.017	0.0008
17	3.187	864503	118253	BV	0.108	27.7473
18	3.850	1215	430	VV	0.047	0.0390
19	3.910	3489	418	VV	0.139	0.1120
20	4.207	858	149	VB	0.079	0.0275

21	4.561	898	191	BV	0.101	0.0288
22	4.649	195	86	VV	0.038	0.0063
23	4.801	1163	181	VV	0.089	0.0373
24	5.210	6567	635	PV	0.143	0.2108
25	5.415	1693	287	VV	0.098	0.0543
26	5.541	2010	286	VV	0.091	0.0645
27	5.720	2333	328	VV	0.102	0.0749
28	5.982	1750	217	VV	0.105	0.0562
29	6.382	4494	447	PV	0.129	0.1442
30	6.581	2737	385	VV	0.102	0.0878
31	6.800	1721	281	PV	0.096	0.0552
32	6.938	9833	1064	VV	0.131	0.3156
33	7.103	3337	648	VV	0.075	0.1071
34	7.275	4564	492	VV	0.126	0.1465
35	7.617	1798665	297385	VV	0.090	57.7303
36	8.261	22804	3633	VV	0.105	0.7319
37	8.364	52817	3669	VV	0.192	1.6952
38	8.677	15571	2420	VV	0.096	0.4998
39	8.831	101468	17428	VV	0.086	3.2567
40	9.030	12733	1803	VV	0.118	0.4087
41	9.187	12855	1577	VV	0.114	0.4126
42	9.359	18328	1616	VV	0.144	0.5883
43	9.600	16209	1376	VV	0.159	0.5202
44	9.809	8093	1015	VV	0.106	0.2597
45	10.014	4994	683	VV	0.122	0.1603
46	10.202	7331	714	VV	0.130	0.2353
47	10.432	2958	464	VV	0.106	0.0949
48	10.585	3421	430	VV	0.115	0.1098
49	10.950	89231	12520	VV	0.102	2.8640
50	11.490	1970	318	VV	0.084	0.0632
51	12.131	1496	197	VV	0.104	0.0480
52	12.364	683	126	VV	0.078	0.0219
53	12.468	294	120	VV	0.041	0.0094
54	12.587	722	104	VB	0.115	0.0232
55	12.918	84	76	PV	0.018	0.0027
56	13.083	462	92	PV	0.084	0.0148
57	13.399	869	105	PV	0.135	0.0279
58	13.642	692	72	PV	0.122	0.0222
59	13.761	310	84	VV	0.061	0.0100
60	13.905	422	120	VV	0.066	0.0135
61	13.981	372	92	VV	0.068	0.0119
62	14.066	364	132	VV	0.043	0.0117
63	14.222	934	128	PV	0.102	0.0300
64	14.361	365	125	VV	0.047	0.0117
65	14.544	589	84	PV	0.094	0.0189
66	14.773	608	73	VV	0.139	0.0195
67	14.924	288	64	PV	0.068	0.0093
68	15.040	288	86	PV	0.056	0.0092
69	15.218	185	62	PV	0.080	0.0059

Total area = 3115635

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Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\012R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\012F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 12

Sample Name : rt std 66-87B Injection Number : 1

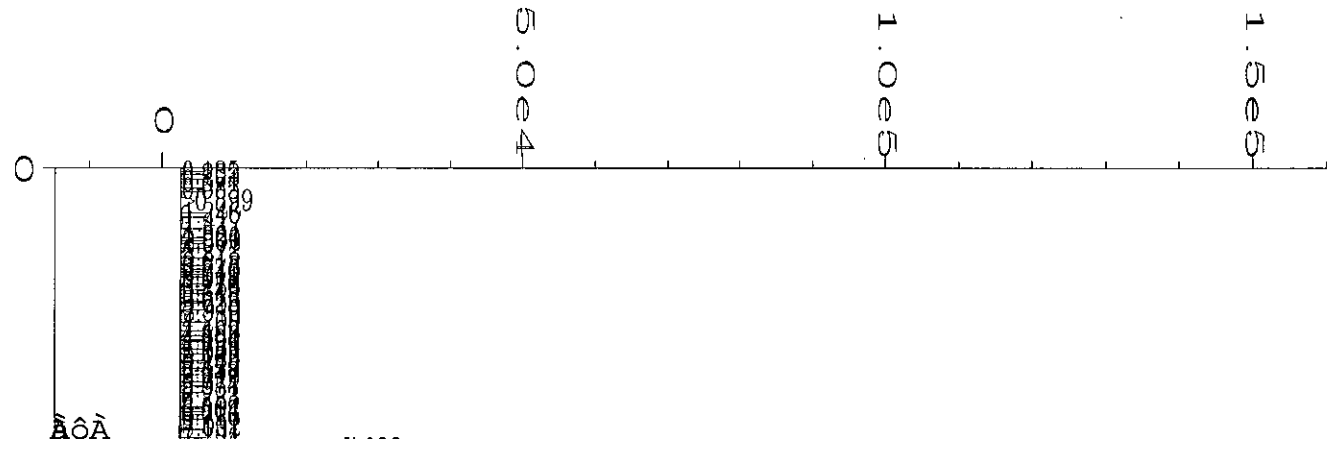
Acquired on : 17-Aug-22 10:42 AM

Report Created on: 17 Aug 22 10:57 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
102	FID	7.618	141504	1.38E+05
99	PID	7.617	1798665	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
36.21 ppb	FID	3.188	174479	4.82E+03
33.60 ppb	PID	3.187	864503	2.57E+04
Toluene				
0.58 ppb	FID	5.188	2718	4.71E+03
0.26 ppb	PID	5.210	6567	2.51E+04
Ethylbenzene				
0.38 ppb	FID	6.762	1342	3.56E+03
0.09 ppb	PID	6.800	1721	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.37 ppb	PID	6.938	9833	2.65E+04
o-Xylene				
0.00 ppb	FID	0.000	0	4.40E+03
0.18 ppb	PID	7.275	4564	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
1.96 ppb	PID	10.950	89231	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
246.48 ppb	FID		318887	1.29E+03
212.20 ppb	PID		1282173	6.04E+03
AK 101 Gasoline C6-C10				
109.11 ppb	FID		125496	1.15E+03
355.93 ppb	PID		-870710	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\013F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:07 AM
Report Created on: 17 Aug 22 11:23 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\013F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.135	195	126	BV	0.026	0.0625
2	0.202	692	148	VV	0.068	0.2219
3	0.371	1357	164	VV	0.122	0.4350
4	0.585	367	91	PV	0.059	0.1176
5	0.899	23295	1987	VV	0.150	7.4652
6	1.246	1524	258	VV	0.098	0.4883
7	1.477	4315	370	VV	0.194	1.3828
8	1.864	1915	260	VV	0.123	0.6138
9	1.920	841	221	VV	0.063	0.2694
10	2.002	444	211	VV	0.035	0.1423
11	2.071	1119	217	VV	0.086	0.3586
12	2.272	2771	333	VV	0.113	0.8881
13	2.612	1794	204	VV	0.143	0.5750
14	2.718	863	251	VV	0.057	0.2766
15	2.776	418	138	VV	0.051	0.1339
16	2.840	669	225	VV	0.050	0.2144
17	2.919	353	170	VV	0.035	0.1133
18	3.011	1411	150	VV	0.121	0.4521
19	3.170	730	189	VV	0.064	0.2340
20	3.255	926	208	VV	0.074	0.2968

Data File Name : C:\HPCHEM\2\DATA\08-17-22\013F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:07 AM
Report Created on: 17 Aug 22 11:23 AM

Page Number : 2
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.345	876	155	VV	0.094	0.2806
22	3.513	1764	229	VV	0.114	0.5652
23	3.656	468	224	VV	0.035	0.1499
24	3.728	1378	201	VV	0.105	0.4415
25	3.910	2900	294	VV	0.164	0.9292
26	4.200	1753	229	VV	0.127	0.5617
27	4.493	889	170	VV	0.087	0.2850
28	4.589	812	220	VV	0.062	0.2603
29	4.694	459	204	VV	0.037	0.1470
30	4.799	1475	182	VV	0.132	0.4727
31	5.000	830	218	VV	0.064	0.2658
32	5.183	1579	222	VV	0.118	0.5062
33	5.240	573	217	VV	0.044	0.1836
34	5.375	1115	210	VV	0.089	0.3574
35	5.455	601	176	VV	0.051	0.1925
36	5.548	1030	238	VV	0.064	0.3300
37	5.711	1447	241	VV	0.100	0.4638
38	5.874	889	157	VV	0.083	0.2847
39	5.957	1332	233	VV	0.097	0.4269
40	6.223	2763	193	VV	0.238	0.8856
41	6.492	616	250	VV	0.041	0.1974
42	6.564	561	166	VV	0.052	0.1798
43	6.613	787	204	VV	0.064	0.2523
44	6.716	752	167	VV	0.066	0.2410
45	7.002	3209	329	VV	0.123	1.0282
46	7.131	2385	302	VV	0.102	0.7642
47	7.334	926	242	VV	0.057	0.2969
48	7.623	140226	22967	VV	0.090	44.9382
49	8.023	6642	705	VV	0.157	2.1287
50	8.405	9082	606	VV	0.198	2.9106
51	8.582	1298	391	VV	0.055	0.4160
52	8.651	1032	338	VV	0.051	0.3307
53	8.706	886	301	VV	0.049	0.2841
54	8.840	27554	4364	VV	0.093	8.8303
55	9.225	2596	352	VV	0.096	0.8319
56	9.336	1780	400	VV	0.064	0.5704
57	9.420	1208	299	VV	0.067	0.3873
58	9.491	631	278	VV	0.038	0.2022
59	9.587	2033	318	VV	0.106	0.6516
60	9.679	1309	277	VV	0.079	0.4194
61	9.771	508	227	VV	0.037	0.1629
62	9.852	1099	283	VV	0.065	0.3523
63	9.975	1428	305	VV	0.078	0.4577
64	10.039	2794	247	VV	0.189	0.8954
65	10.463	2608	239	VV	0.163	0.8358
66	10.669	1652	198	VV	0.124	0.5295
67	10.962	2225	264	VV	0.148	0.7130
68	11.021	871	265	VV	0.050	0.2791
69	11.119	1163	212	VV	0.091	0.3728
70	11.199	1949	188	VV	0.173	0.6247
71	11.437	601	233	VV	0.043	0.1925
72	11.518	989	213	VV	0.075	0.3169
73	11.613	1067	199	VV	0.089	0.3419
74	11.879	1806	232	VV	0.129	0.5786

Data File Name : C:\HPCHEM\2\DATA\08-17-22\013F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:07 AM
Report Created on: 17 Aug 22 11:23 AM

Page Number : 3
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	11.960	1050	215	VV	0.082	0.3365
76	12.070	1051	198	VV	0.089	0.3367
77	12.209	386	132	PV	0.049	0.1238
78	12.271	1491	188	VV	0.132	0.4780
79	12.449	563	180	VV	0.046	0.1805
80	12.513	867	154	PV	0.078	0.2779
81	12.671	564	147	VV	0.056	0.1808
82	12.746	319	139	VV	0.038	0.1024
83	12.816	842	167	VV	0.084	0.2698
84	12.935	582	162	PV	0.060	0.1864
85	13.145	1406	155	PB	0.151	0.4505
86	13.724	237	85	PV	0.044	0.0759
87	13.771	785	176	VV	0.074	0.2517
88	13.954	300	125	VV	0.040	0.0962
89	14.055	289	164	PV	0.029	0.0926
90	14.121	513	145	VV	0.059	0.1643
91	14.252	1049	116	PV	0.125	0.3362
92	14.600	1032	198	VV	0.087	0.3308
93	14.839	568	159	VV	0.053	0.1819
94	15.007	584	123	PV	0.079	0.1872
95	15.120	143	87	VV	0.027	0.0457
96	15.177	215	105	PV	0.034	0.0690

Total area = 312042

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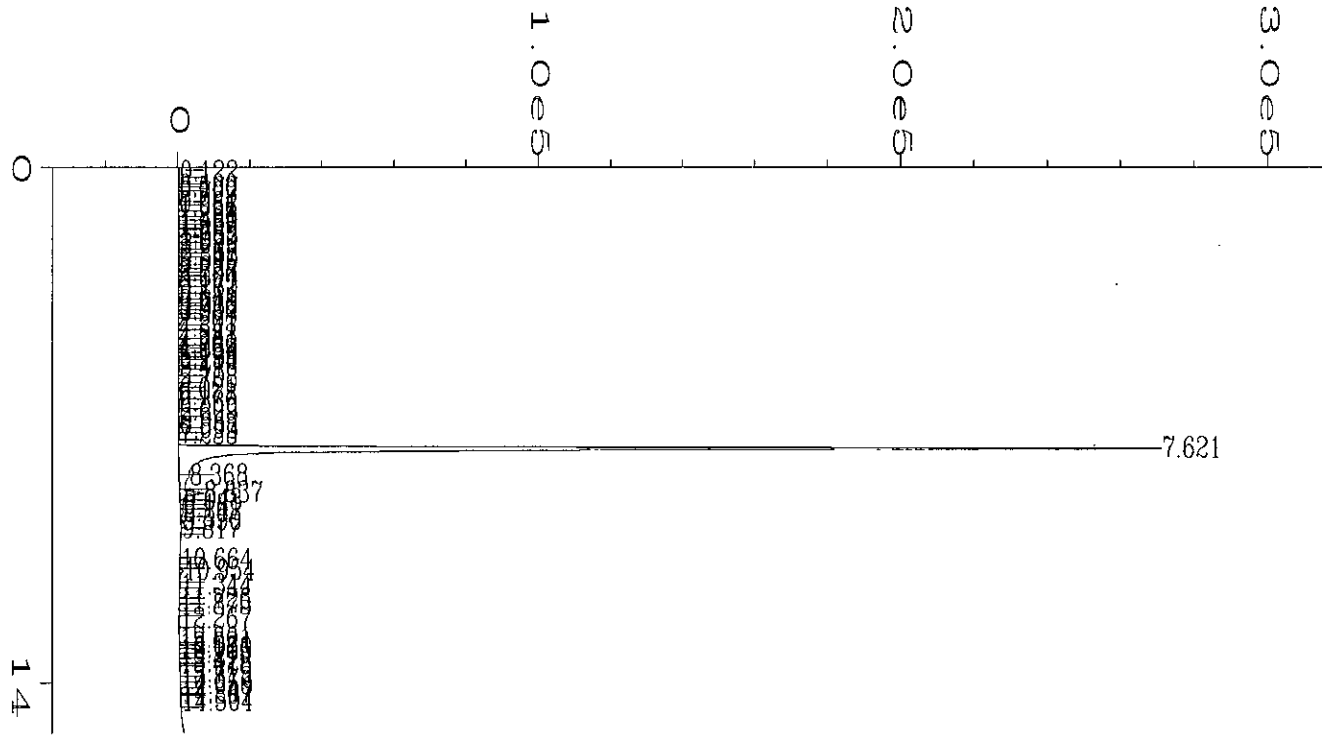

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\013R0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:07 AM
Report Created on: 17 Aug 22 11:23 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\013R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.122	710	152	BB	0.078	0.0375
2	0.499	219	125	BV	0.029	0.0116
3	0.560	228	89	PV	0.043	0.0120
4	0.703	1295	102	PV	0.175	0.0684
5	0.981	226	75	PV	0.050	0.0120
6	1.066	435	115	PV	0.063	0.0230
7	1.254	632	121	PV	0.081	0.0333
8	1.365	457	92	VV	0.082	0.0241
9	1.480	809	153	VV	0.088	0.0427
10	1.557	253	91	VB	0.046	0.0133
11	1.785	382	128	BV	0.055	0.0202
12	1.867	176	104	VV	0.028	0.0093
13	1.933	423	129	VV	0.054	0.0223
14	2.072	627	136	PV	0.077	0.0331
15	2.267	615	189	VV	0.051	0.0325
16	2.388	538	145	VV	0.056	0.0284
17	2.540	1191	133	VV	0.121	0.0629
18	2.798	238	84	VV	0.047	0.0126
19	2.855	317	118	VV	0.045	0.0167
20	3.004	471	126	PV	0.057	0.0249

21	3.173	1524	215	VV	0.098	0.0804
22	3.262	1073	183	VV	0.081	0.0567
23	3.511	922	176	VV	0.083	0.0487
24	3.649	857	170	VV	0.068	0.0453
25	3.725	429	127	VV	0.056	0.0226
26	3.826	666	135	VV	0.071	0.0352
27	3.907	703	188	VV	0.071	0.0371
28	4.201	777	129	VV	0.121	0.0410
29	4.347	584	140	VV	0.059	0.0308
30	4.583	1340	153	VV	0.146	0.0707
31	4.761	1109	137	VV	0.123	0.0586
32	4.865	474	164	VV	0.048	0.0251
33	4.959	434	105	PV	0.064	0.0229
34	5.126	982	201	VV	0.067	0.0518
35	5.190	1105	295	VV	0.055	0.0583
36	5.234	1600	289	VV	0.092	0.0845
37	5.416	993	173	VV	0.081	0.0524
38	5.708	1108	172	VV	0.092	0.0585
39	6.021	236	85	VV	0.046	0.0125
40	6.178	737	97	VV	0.125	0.0389
41	6.365	3141	311	VV	0.142	0.1658
42	6.609	1571	199	VV	0.110	0.0830
43	6.967	4656	381	VV	0.158	0.2458
44	7.093	1880	294	VV	0.107	0.0992
45	7.238	1673	206	VV	0.110	0.0883
46	7.621	1713340	275908	PV	0.091	90.4600
47	8.368	48054	2804	VV	0.212	2.5371
48	8.837	46343	6791	VV	0.098	2.4468
49	9.043	6759	978	VV	0.115	0.3569
50	9.181	5547	817	VV	0.113	0.2928
51	9.347	7369	779	VV	0.133	0.3891
52	9.590	6379	615	VV	0.131	0.3368
53	9.817	757	177	VV	0.061	0.0400
54	10.664	280	88	PV	0.049	0.0148
55	10.954	7173	1015	VV	0.102	0.3787
56	11.344	667	130	VV	0.085	0.0352
57	11.726	627	75	PV	0.140	0.0331
58	11.875	708	126	VV	0.094	0.0374
59	12.267	1554	144	PV	0.179	0.0820
60	12.801	1436	125	PV	0.143	0.0758
61	12.934	199	107	VV	0.031	0.0105
62	13.050	408	124	VV	0.053	0.0215
63	13.105	517	106	VV	0.082	0.0273
64	13.215	309	81	VV	0.063	0.0163
65	13.428	248	91	PV	0.063	0.0131
66	13.478	105	31	VV	0.057	0.0055
67	13.719	1214	116	PV	0.140	0.0641
68	13.872	511	85	VV	0.100	0.0270
69	14.053	628	101	VV	0.104	0.0331
70	14.247	488	94	VV	0.087	0.0258
71	14.307	192	90	VV	0.036	0.0101
72	14.504	1402	146	VV	0.123	0.0740

Total area = 1894031

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Last update on 07-26-22 TL

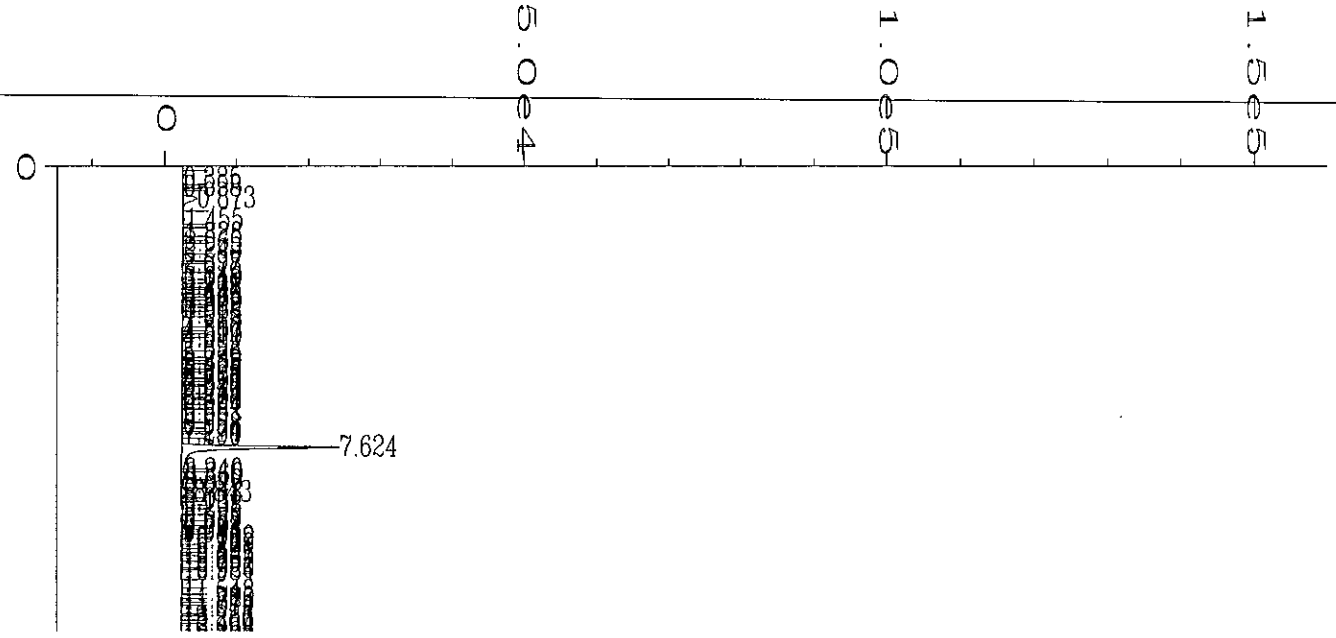
~~PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\013R0101.D~~

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\013F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 13
Sample Name : rinse Injection Number : 1
Acquired on : 17-Aug-22 11:07 AM
Report Created on: 17 Aug 22 11:23 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
101	FID	7.623	140226	1.38E+05
94	PID	7.621	1713340	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.29 ppb	FID	3.255	1411	4.82E+03
0.06 ppb	PID	3.262	1524	2.57E+04
Toluene				
0.34 ppb	FID	5.240	1579	4.71E+03
0.06 ppb	PID	5.234	1600	2.51E+04
Ethylbenzene				
0.21 ppb	FID	6.716	752	3.56E+03
0.00 ppb	PID	0.000	0	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.18 ppb	PID	6.967	4656	2.65E+04
o-Xylene				
0.21 ppb	FID	7.334	926	4.40E+03
0.07 ppb	PID	7.238	1673	2.55E+04
Nap-PID, C12-FID				
0.28 ppb	FID	11.119	1163	4.16E+03
0.16 ppb	PID	10.954	7173	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
82.11 ppb	FID		106224	1.29E+03
26.35 ppb	PID		159235	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-96122	1.15E+03
686.51 ppb	PID		-1679396	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\014F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:32 AM
Report Created on: 17 Aug 22 11:48 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\014F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.335	726	100	BV	0.098	0.3041
2	0.558	300	143	PB	0.035	0.1256
3	0.873	17563	1925	BV	0.132	7.3525
4	1.455	2269	265	VV	0.114	0.9499
5	1.828	75	39	PV	0.040	0.0315
6	2.065	187	83	BV	0.037	0.0783
7	2.243	1001	108	VV	0.151	0.4190
8	2.597	272	120	VV	0.038	0.1140
9	2.678	900	133	PV	0.094	0.3768
10	3.049	891	147	VV	0.101	0.3732
11	3.110	441	106	VV	0.069	0.1846
12	3.201	638	105	VV	0.101	0.2672
13	3.328	259	101	VV	0.043	0.1083
14	3.440	637	120	VV	0.087	0.2666
15	3.525	598	139	VV	0.072	0.2505
16	3.690	589	153	VV	0.063	0.2467
17	3.802	170	83	PV	0.034	0.0711
18	3.882	561	151	PV	0.062	0.2349
19	4.015	310	67	VB	0.078	0.1299
20	4.396	253	91	PV	0.046	0.1058

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\014F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:32 AM
Report Created on: 17 Aug 22 11:48 AM

Page Number : 2
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.507	407	143	PV	0.053	0.1703
22	4.610	350	140	VV	0.042	0.1466
23	4.684	1409	92	VV	0.255	0.5898
24	5.076	754	124	VV	0.102	0.3158
25	5.230	571	158	VV	0.060	0.2392
26	5.332	423	115	VV	0.062	0.1773
27	5.405	636	167	VV	0.063	0.2663
28	5.535	516	144	VV	0.060	0.2161
29	5.628	338	118	VV	0.048	0.1414
30	5.708	411	147	VV	0.045	0.1719
31	5.819	248	109	VV	0.038	0.1039
32	5.891	358	166	VV	0.043	0.1499
33	5.948	226	88	VV	0.043	0.0947
34	6.010	845	117	VV	0.117	0.3539
35	6.214	445	109	VV	0.068	0.1863
36	6.309	383	172	PV	0.037	0.1605
37	6.360	786	164	VV	0.080	0.3291
38	6.504	516	151	VV	0.057	0.2160
39	6.662	2031	189	VV	0.179	0.8501
40	6.998	888	174	VV	0.078	0.3719
41	7.174	406	129	VV	0.052	0.1702
42	7.234	476	158	VV	0.050	0.1993
43	7.290	611	117	VV	0.087	0.2559
44	7.624	138972	22088	VV	0.092	58.1804
45	8.240	1600	370	VV	0.072	0.6698
46	8.360	4227	411	VV	0.157	1.7696
47	8.540	1450	300	VV	0.080	0.6070
48	8.627	1683	265	VV	0.106	0.7045
49	8.843	10757	1662	VV	0.095	4.5035
50	9.031	1358	267	VV	0.085	0.5684
51	9.132	1039	256	VV	0.068	0.4349
52	9.238	1419	300	VV	0.079	0.5940
53	9.589	2106	314	VV	0.112	0.8818
54	9.667	1120	229	VV	0.074	0.4690
55	9.764	629	228	VV	0.046	0.2634
56	9.823	533	198	VV	0.045	0.2232
57	9.874	492	216	VV	0.038	0.2060
58	9.944	679	197	VV	0.051	0.2843
59	10.069	1091	199	VV	0.077	0.4569
60	10.132	1063	158	VV	0.112	0.4450
61	10.279	960	187	VV	0.085	0.4019
62	10.401	893	211	VV	0.071	0.3740
63	10.535	675	180	VV	0.063	0.2827
64	10.661	948	179	VV	0.075	0.3970
65	10.758	1182	160	VV	0.123	0.4948
66	10.920	497	186	VV	0.044	0.2082
67	10.984	1723	181	VB	0.159	0.7214
68	11.548	370	95	PV	0.065	0.1549
69	11.720	480	139	PV	0.068	0.2008
70	11.775	308	126	PV	0.041	0.1289
71	11.874	326	120	VV	0.046	0.1365
72	11.977	1095	136	VV	0.134	0.4585
73	12.236	535	122	VV	0.073	0.2241
74	12.366	457	122	VV	0.062	0.1914

Data File Name : C:\HPCHEM\2\DATA\08-17-22\014F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:32 AM
Report Created on: 17 Aug 22 11:48 AM

Page Number : 3
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	12.464	1334	140	VV	0.185	0.5587
76	12.799	445	198	VV	0.048	0.1864
77	12.916	1352	170	PV	0.133	0.5659
78	13.104	598	189	PV	0.053	0.2502
79	13.191	535	203	VV	0.044	0.2240
80	13.255	319	164	VV	0.032	0.1336
81	13.323	823	152	VV	0.074	0.3444
82	13.492	888	155	VV	0.096	0.3719
83	13.630	812	138	VV	0.098	0.3398
84	13.828	2013	200	VV	0.129	0.8429
85	14.067	510	178	VV	0.046	0.2135
86	14.135	891	143	VV	0.104	0.3729
87	14.377	848	164	PV	0.086	0.3550
88	14.452	353	181	VV	0.032	0.1479
89	14.530	490	164	VV	0.050	0.2050
90	14.709	1043	197	VV	0.088	0.4365
91	14.788	423	235	VV	0.030	0.1772
92	14.842	270	119	VV	0.038	0.1132
93	14.922	747	96	PV	0.130	0.3127
94	15.098	444	206	PV	0.039	0.1861
95	15.172	121	96	PV	0.021	0.0505
96	15.230	259	144	PV	0.030	0.1083

Total area = 238865

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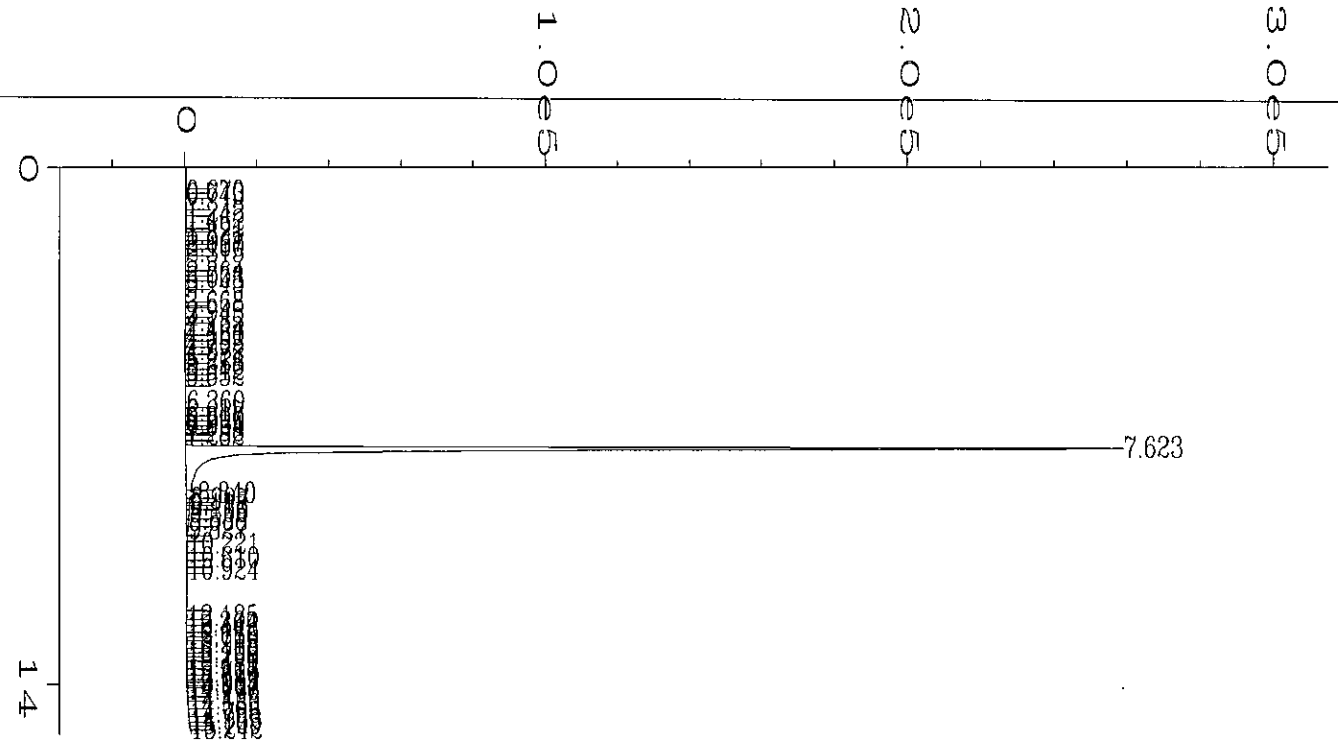

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\014R0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 11:32 AM
Report Created on: 17 Aug 22 11:48 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\014R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.670	167	56	BV	0.050	0.0094
2	0.743	380	83	PV	0.078	0.0213
3	1.242	682	99.9	BV	0.121	0.0382
4	1.462	1734	139	VV	0.198	0.0970
5	1.821	1266	127	VV	0.156	0.0708
6	2.067	360	93	PV	0.061	0.0202
7	2.160	310	64	VV	0.081	0.0173
8	2.315	410	47	VV	0.128	0.0230
9	2.864	473	80	BV	0.098	0.0264
10	3.003	606	103	VV	0.080	0.0339
11	3.145	914	101	PV	0.157	0.0512
12	3.668	409	105	VV	0.065	0.0229
13	3.945	1300	141	VV	0.131	0.0728
14	4.185	562	91	VV	0.101	0.0314
15	4.434	1290	94	VV	0.229	0.0722
16	4.560	503	92	VV	0.091	0.0281
17	4.762	562	82	VV	0.114	0.0315
18	4.972	599	94	VV	0.085	0.0335
19	5.221	1635	214	PV	0.108	0.0915
20	5.358	561	76	VV	0.111	0.0314

21	5.512	478	82	VV	0.097	0.0267
22	5.652	511	121	VV	0.071	0.0286
23	6.360	3542	253	PV	0.174	0.1982
24	6.617	1014	121	VV	0.132	0.0568
25	6.800	492	92	PV	0.089	0.0275
26	6.930	1105	178	VV	0.097	0.0618
27	7.024	525	124	VV	0.071	0.0294
28	7.158	587	116	VV	0.085	0.0329
29	7.282	509	106	VV	0.080	0.0285
30	7.623	1679975	262049	PV	0.094	94.0215
31	8.840	25972	3117	VV	0.116	1.4535
32	8.997	6550	1062	VV	0.103	0.3666
33	9.118	3738	978	VV	0.064	0.2092
34	9.188	6211	924	VV	0.112	0.3476
35	9.365	11516	891	VV	0.167	0.6445
36	9.588	6435	685	VV	0.134	0.3602
37	9.827	5594	463	VV	0.169	0.3131
38	10.221	3665	263	VV	0.175	0.2051
39	10.610	1477	171	VV	0.112	0.0826
40	10.924	696	143	PV	0.089	0.0390
41	12.185	1149	195	BV	0.080	0.0643
42	12.364	570	91	VV	0.105	0.0319
43	12.442	591	98	PV	0.100	0.0331
44	12.680	487	107	VV	0.063	0.0272
45	12.756	488	120	VV	0.068	0.0273
46	12.918	1002	194	VV	0.088	0.0561
47	13.105	590	168	PV	0.054	0.0330
48	13.196	361	105	VV	0.058	0.0202
49	13.298	344	77	VV	0.074	0.0192
50	13.481	1217	152	VV	0.114	0.0681
51	13.710	768	97	VV	0.131	0.0430
52	13.814	546	151	VV	0.057	0.0305
53	13.923	168	93	PV	0.030	0.0094
54	13.987	406	145	VV	0.054	0.0227
55	14.067	124	56	VV	0.037	0.0070
56	14.176	370	137	PB	0.064	0.0207
57	14.428	396	84	BV	0.070	0.0221
58	14.583	385	90	PV	0.066	0.0216
59	14.788	382	107	PV	0.054	0.0214
60	14.982	583	142	PV	0.069	0.0326
61	15.109	138	64	PV	0.036	0.0077
62	15.242	420	90	PV	0.070	0.0235

Total area = 1786799

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Last update on 07-26-22 TL

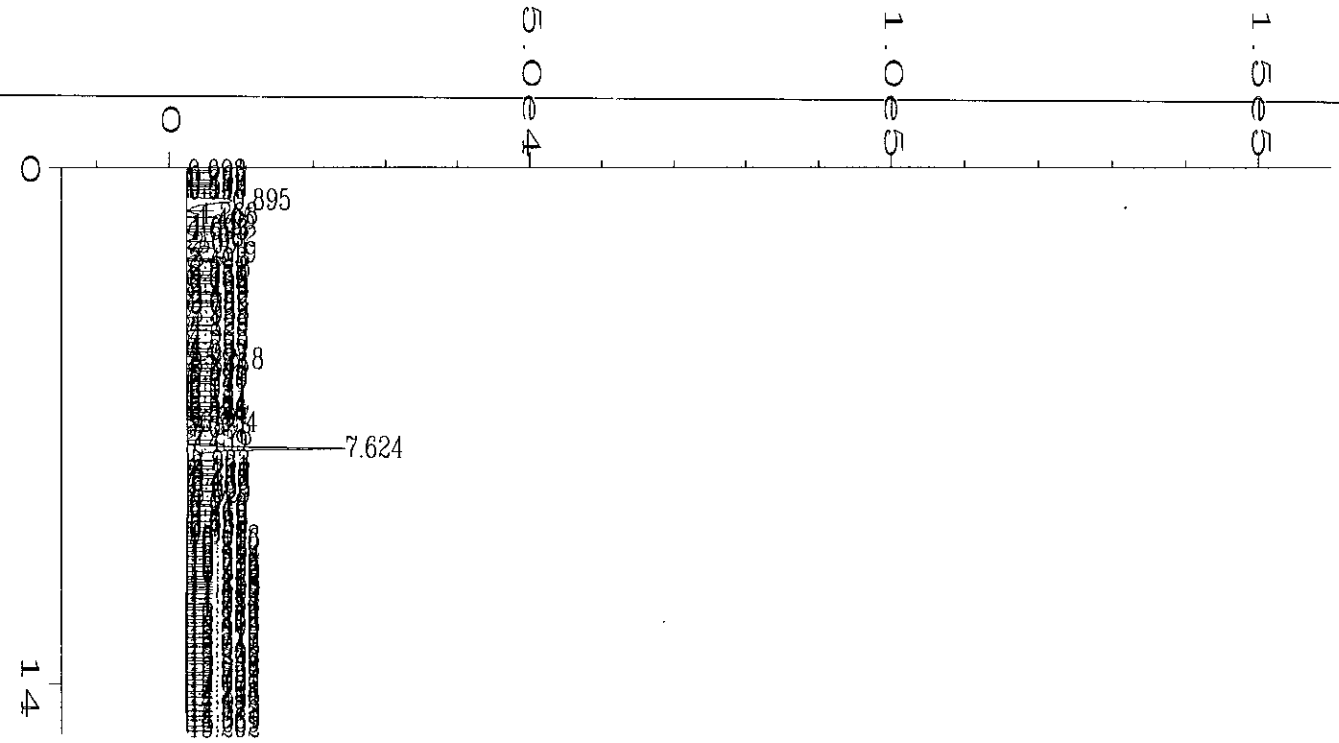
PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\014R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\014F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 14
Sample Name : rinse Injection Number : 1
Acquired on : 17-Aug-22 11:32 AM
Report Created on: 17 Aug 22 11:48 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
101	FID	7.624	138972	1.38E+05
92	PID	7.623	1679975	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.18 ppb	FID	3.201	891	4.82E+03
0.04 ppb	PID	3.145	914	2.57E+04
Toluene				
0.16 ppb	FID	5.230	754	4.71E+03
0.07 ppb	PID	5.221	1635	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.03 ppb	PID	6.800	492	1.91E+04
m,p-Xylenes				
0.22 ppb	FID	6.998	888	4.03E+03
0.04 ppb	PID	6.930	1105	2.65E+04
o-Xylene				
0.14 ppb	FID	7.290	611	4.40E+03
0.02 ppb	PID	7.282	509	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.03 ppb	PID	10.924	1477	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
44.45 ppb	FID		57505	1.29E+03
14.72 ppb	PID		88952	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-117418	1.15E+03
679.03 ppb	PID		-1661078	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 17 Aug 22 12:13 PM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\015F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.093	238	169	BV	0.024	0.0558
2	0.267	1068	243	PV	0.073	0.2501
3	0.372	379	257	VV	0.025	0.0887
4	0.438	437	218	PV	0.041	0.1023
5	0.489	359	231	VV	0.026	0.0840
6	0.548	232	135	PV	0.029	0.0543
7	0.599	755	262	VV	0.048	0.1767
8	0.895	67554	6337	PV	0.147	15.8157
9	1.268	10602	1729	VV	0.087	2.4822
10	1.405	12833	1372	VV	0.128	3.0044
11	1.602	2239	547	VV	0.068	0.5241
12	1.693	1018	420	VV	0.040	0.2382
13	1.882	11209	1599	VV	0.106	2.6242
14	2.051	5196	713	VV	0.104	1.2165
15	2.319	15577	1616	VV	0.131	3.6470
16	2.498	699	251	VV	0.047	0.1637
17	2.718	6813	799	VV	0.115	1.5949
18	2.821	1312	297	VV	0.074	0.3071
19	2.950	961	298	VV	0.054	0.2251
20	3.032	879	320	VV	0.047	0.2057

Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 17 Aug 22 12:13 PM

Page Number : 2
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.108	1179	374	PV	0.053	0.2761
22	3.189	4215	476	VV	0.148	0.9868
23	3.400	1497	486	VV	0.051	0.3505
24	3.542	4347	656	VV	0.098	1.0177
25	3.659	1503	438	VV	0.051	0.3518
26	3.705	1913	467	VV	0.068	0.4479
27	3.955	5854	602	VV	0.144	1.3705
28	4.186	3909	475	VV	0.137	0.9151
29	4.323	1534	350	VV	0.064	0.3592
30	4.565	4978	420	VV	0.157	1.1655
31	4.799	2538	460	VV	0.075	0.5942
32	4.983	846	268	VV	0.053	0.1981
33	5.097	1778	455	VV	0.057	0.4163
34	5.218	15917	2604	VV	0.092	3.7264
35	5.345	3073	569	VV	0.090	0.7196
36	5.496	1188	364	VV	0.054	0.2781
37	5.541	1994	362	VV	0.092	0.4667
38	5.692	912	277	VV	0.053	0.2134
39	5.770	780	289	VV	0.045	0.1826
40	5.841	685	300	VV	0.038	0.1605
41	6.037	2298	302	VV	0.127	0.5379
42	6.121	1188	250	VV	0.079	0.2782
43	6.354	1474	287	PV	0.085	0.3451
44	6.444	962	236	VV	0.068	0.2252
45	6.521	870	213	VV	0.068	0.2038
46	6.596	320	127	VV	0.042	0.0750
47	6.674	763	203	PV	0.060	0.1786
48	6.797	2075	534	VV	0.065	0.4858
49	6.934	10625	1673	VV	0.093	2.4876
50	7.077	755	228	VV	0.055	0.1769
51	7.278	5187	831	VV	0.088	1.2145
52	7.439	574	186	PV	0.052	0.1344
53	7.624	132973	22045	VV	0.089	31.1316
54	7.983	3104	492	VV	0.105	0.7268
55	8.131	1382	377	VV	0.053	0.3236
56	8.244	2891	598	VV	0.067	0.6768
57	8.317	1223	425	VV	0.048	0.2863
58	8.369	1494	374	VV	0.067	0.3498
59	8.486	1263	286	VB	0.074	0.2956
60	8.688	2537	453	BV	0.076	0.5939
61	8.829	4036	565	VV	0.110	0.9448
62	9.076	947	225	VV	0.062	0.2216
63	9.148	415	214	PV	0.032	0.0971
64	9.216	1135	230	VV	0.069	0.2657
65	9.360	943	199	VV	0.079	0.2207
66	9.449	1085	194	VV	0.093	0.2540
67	9.630	1098	305	PV	0.060	0.2570
68	9.785	936	233	VV	0.067	0.2192
69	9.892	553	297	VV	0.031	0.1294
70	9.962	411	186	VV	0.037	0.0961
71	10.013	530	138	PV	0.064	0.1241
72	10.106	835	198	VV	0.070	0.1956
73	10.210	720	137	VV	0.087	0.1685
74	10.322	760	209	VV	0.061	0.1779

Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 15
Sample Name : 50 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 11:58 AM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 12:13 PM
Analysis Method : GX.MTH

75	10.494	1200	283	PV	0.089	0.2810
76	10.574	752	256	VV	0.049	0.1760
77	10.684	960	247	VV	0.059	0.2248
78	10.775	684	261	VV	0.044	0.1602
79	10.900	811	216	VV	0.066	0.1900
80	10.976	1034	204	VV	0.084	0.2420
81	11.112	532	234	VV	0.038	0.1245
82	11.186	526	225	PV	0.043	0.1232
83	11.268	674	353	VV	0.032	0.1578
84	11.326	571	159	VV	0.060	0.1337
85	11.415	475	149	VV	0.053	0.1113
86	11.510	961	250	VV	0.065	0.2250
87	11.592	937	215	VV	0.073	0.2193
88	11.754	822	172	PV	0.074	0.1924
89	11.853	686	225	VV	0.051	0.1607
90	11.946	665	193	VV	0.057	0.1558
91	12.114	1214	202	PV	0.100	0.2842
92	12.200	549	161	VV	0.051	0.1285
93	12.318	648	176	VV	0.068	0.1517
94	12.403	741	240	VV	0.051	0.1735
95	12.576	1634	230	VV	0.118	0.3827
96	12.717	856	227	VV	0.063	0.2004
97	12.772	1120	202	VV	0.092	0.2622
98	12.942	686	219	VV	0.063	0.1606
99	13.042	1349	222	VV	0.107	0.3159
100	13.202	1002	231	VV	0.072	0.2346
101	13.347	644	304	VV	0.042	0.1507
102	13.399	759	177	VV	0.071	0.1776
103	13.568	1914	304	VV	0.106	0.4481
104	13.732	487	161	VV	0.057	0.1141
105	13.838	1064	183	VV	0.097	0.2490
106	13.961	1257	199	VV	0.105	0.2942
107	14.105	1611	207	VV	0.127	0.3772
108	14.254	652	183	VV	0.055	0.1526
109	14.318	703	228	VV	0.049	0.1647
110	14.452	1638	157	PV	0.156	0.3835
111	14.673	1282	235	VV	0.096	0.3002
112	14.772	1047	194	VV	0.090	0.2451
113	14.961	758	218	VV	0.058	0.1774
114	15.069	1314	264	VV	0.083	0.3076
115	15.202	552	165	PV	0.049	0.1293

Total area = 427134

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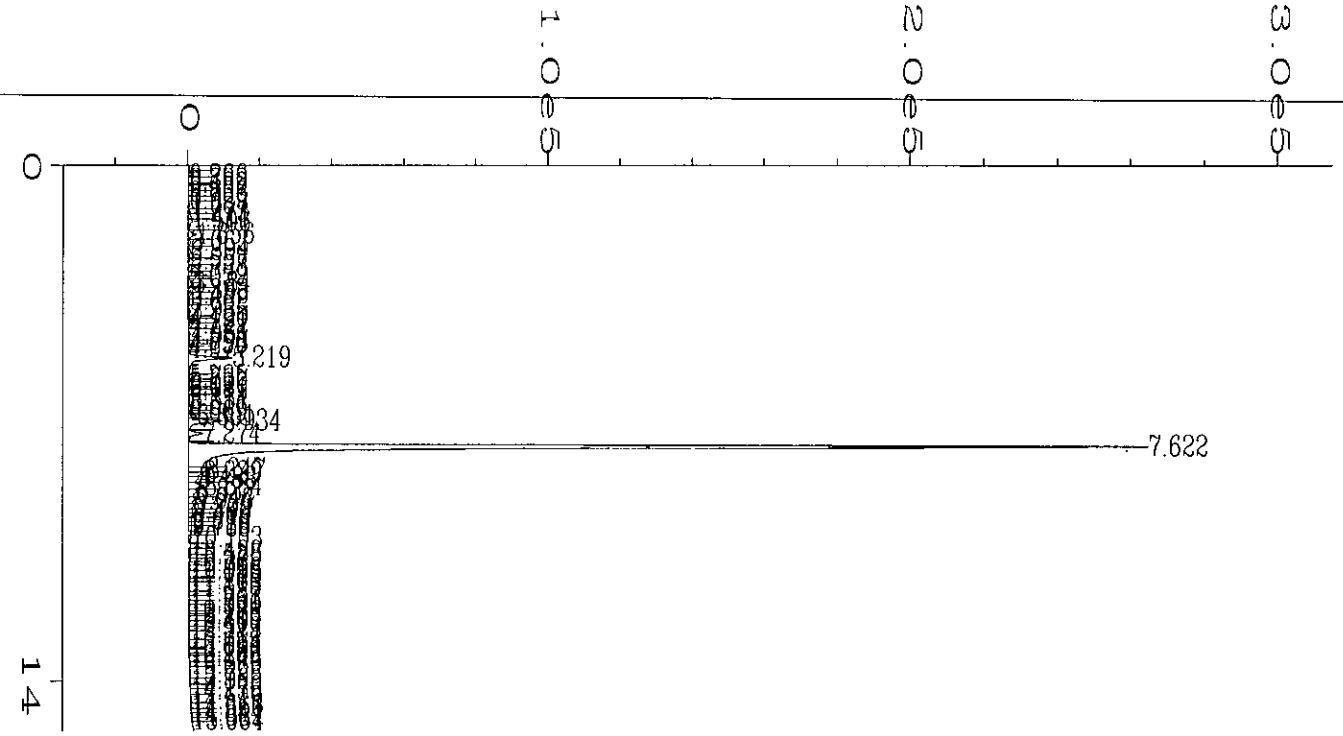

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\015R0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 17 Aug 22 12:14 PM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\015R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.266	410	107	PV	0.064	0.0188
2	0.382	802	107	VV	0.130	0.0367
3	0.489	199	115	VV	0.029	0.0091
4	0.587	610	159	PV	0.063	0.0279
5	0.736	1065	198	PV	0.076	0.0488
6	0.929	1369	202	VV	0.096	0.0627
7	1.037	2595	469	VV	0.082	0.1187
8	1.273	2913	537	VV	0.078	0.1333
9	1.411	5142	844	VV	0.102	0.2353
10	1.506	10488	1143	VV	0.126	0.4800
11	1.856	15097	2193	VV	0.105	0.6909
12	2.063	3992	541	VV	0.109	0.1827
13	2.304	6320	451	VV	0.182	0.2892
14	2.557	2426	327	VV	0.097	0.1110
15	2.728	2433	381	VV	0.087	0.1113
16	3.032	281	114	PV	0.039	0.0129
17	3.184	9262	1168	VV	0.119	0.4239
18	3.392	3224	447	VV	0.114	0.1475
19	3.495	3652	447	VV	0.136	0.1671
20	3.662	2509	348	VV	0.117	0.1148

21	3.935	4836	512	VV	0.132	0.2213
22	4.120	983	275	VV	0.060	0.0450
23	4.191	1839	343	VV	0.089	0.0842
24	4.322	1049	238	VV	0.063	0.0480
25	4.561	4302	583	VV	0.111	0.1969
26	4.798	636	210	PV	0.056	0.0291
27	4.850	378	134	VV	0.047	0.0173
28	4.977	421	147	VV	0.049	0.0193
29	5.219	83197	12293	PV	0.101	3.8075
30	5.735	1538	208	VV	0.115	0.0704
31	5.837	552	178	VV	0.052	0.0253
32	5.929	1585	269	VV	0.088	0.0725
33	6.031	1021	300	VV	0.057	0.0467
34	6.119	905	187	VV	0.081	0.0414
35	6.351	3227	304	PV	0.153	0.1477
36	6.516	851	185	VV	0.077	0.0389
37	6.669	232	90	VV	0.043	0.0106
38	6.801	10055	2162	VV	0.073	0.4601
39	6.934	60474	9576	VV	0.095	2.7675
40	7.274	23608	3920	VV	0.089	1.0804
41	7.622	1673200	269140	VV	0.091	76.5732
42	8.247	36867	5050	VV	0.104	1.6872
43	8.329	25632	4177	VV	0.102	1.1730
44	8.483	21901	2759	VV	0.106	1.0023
45	8.684	31971	4441	VV	0.103	1.4631
46	8.832	20592	2183	VV	0.130	0.9424
47	9.048	14593	1805	VV	0.110	0.6678
48	9.209	10728	1391	VV	0.106	0.4910
49	9.362	5986	1054	VV	0.095	0.2739
50	9.440	6708	1001	VV	0.112	0.3070
51	9.616	5707	827	VV	0.096	0.2612
52	9.730	4481	818	VV	0.091	0.2051
53	9.788	6869	788	VV	0.145	0.3143
54	10.103	6829	592	VV	0.157	0.3125
55	10.488	4052	500	VV	0.113	0.1854
56	10.578	2626	444	VV	0.099	0.1202
57	10.762	1703	353	VV	0.080	0.0779
58	10.958	2507	381	VV	0.094	0.1147
59	11.012	2734	338	VV	0.135	0.1251
60	11.173	745	242	VV	0.051	0.0341
61	11.263	1004	278	VV	0.060	0.0459
62	11.373	2634	228	VV	0.149	0.1206
63	11.587	790	215	VV	0.061	0.0362
64	11.763	700	199	PV	0.059	0.0321
65	11.851	947	161	VV	0.098	0.0433
66	11.940	1135	163	VV	0.116	0.0519
67	12.126	458	160	VV	0.048	0.0210
68	12.203	384	154	VV	0.041	0.0176
69	12.319	1178	192	VV	0.082	0.0539
70	12.400	1002	209	VV	0.068	0.0459
71	12.573	498	122	VV	0.068	0.0228
72	12.714	724	106	PV	0.097	0.0331
73	12.974	995	146	PV	0.104	0.0455
74	13.090	190	88	VV	0.036	0.0087
75	13.195	620	152	VV	0.068	0.0284
76	13.266	185	119	VV	0.026	0.0084
77	13.345	568	155	PB	0.061	0.0260
78	13.560	777	194	BV	0.061	0.0355
79	13.798	1565	157	VV	0.147	0.0716
80	13.960	972	150	VV	0.086	0.0445
81	14.170	481	142	VV	0.057	0.0220
82	14.255	846	148	VV	0.077	0.0387

83	14.519	1457	181	PV	0.113	0.0667
84	14.666	1082	177	VV	0.082	0.0495
85	14.844	213	41	PV	0.092	0.0097
86	14.961	425	75	PV	0.094	0.0194
87	15.064	359	125	VV	0.048	0.0165

Total area = 2185099

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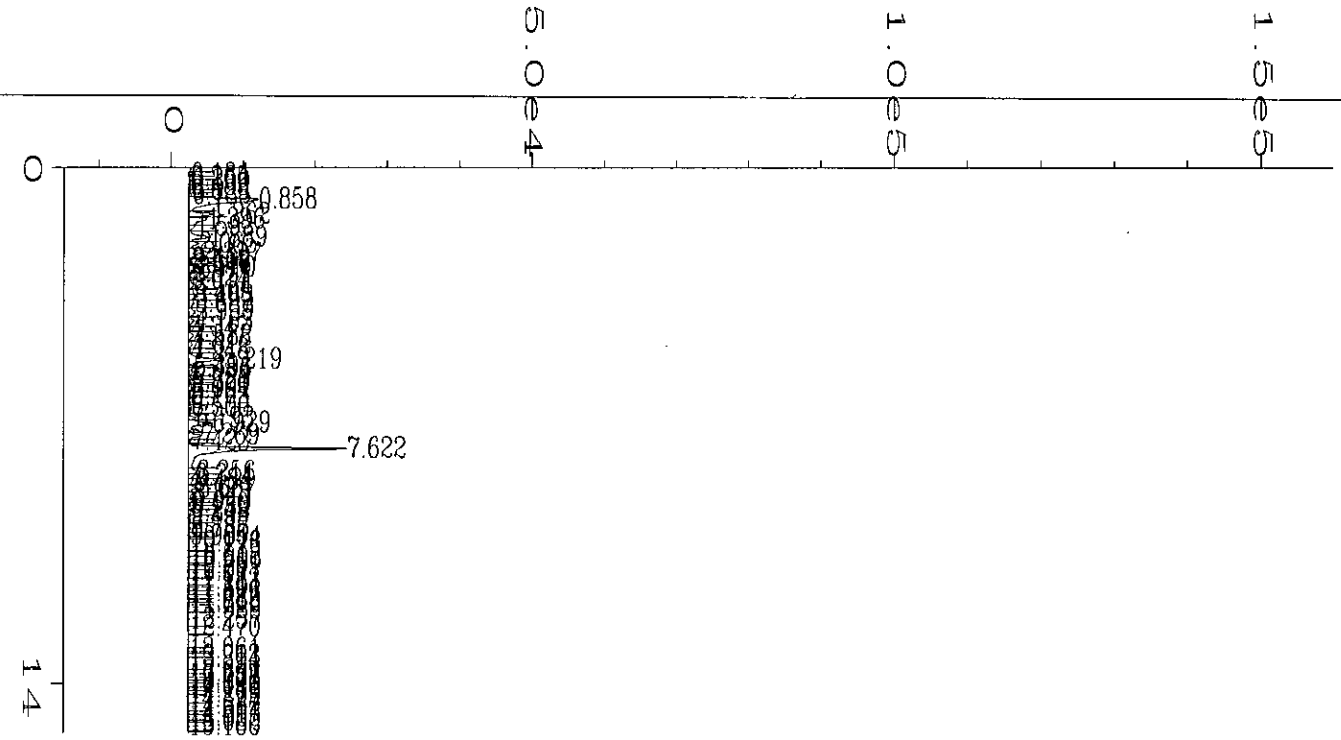
Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\015R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 15
Sample Name : 50 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 11:58 AM
Report Created on: 17 Aug 22 12:13 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.624	132973	1.38E+05
92	PID	7.622	1673200	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.87 ppb	FID	3.189	4215	4.82E+03
0.36 ppb	PID	3.184	9262	2.57E+04
Toluene				
3.38 ppb	FID	5.218	15917	4.71E+03
3.32 ppb	PID	5.219	83197	2.51E+04
Ethylbenzene				
0.58 ppb	FID	6.797	2075	3.56E+03
0.53 ppb	PID	6.801	10055	1.91E+04
m,p-Xylenes				
2.63 ppb	FID	6.934	10625	4.03E+03
2.28 ppb	PID	6.934	60474	2.65E+04
o-Xylene				
1.18 ppb	FID	7.278	5187	4.40E+03
0.93 ppb	PID	7.274	23608	2.55E+04
Nap-PID, C12-FID				
0.13 ppb	FID	11.112	532	4.16E+03
0.06 ppb	PID	11.012	2734	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
82.35 ppb	FID		106540	1.29E+03
59.18 ppb	PID		357580	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-132973	1.15E+03
683.98 ppb	PID		-1673200	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 17 Aug 22 12:39 PM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\016F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.184	1021	300	BV	0.063	0.1758
2	0.265	572	209	VV	0.046	0.0985
3	0.350	1502	344	VV	0.073	0.2586
4	0.483	1267	214	VV	0.099	0.2182
5	0.629	703	221	VV	0.053	0.1211
6	0.735	1123	439	PV	0.043	0.1935
7	0.858	95244	9650	VV	0.151	16.4037
8	1.262	18850	3211	VV	0.088	3.2465
9	1.396	21992	2489	VV	0.129	3.7877
10	1.593	5016	882	VV	0.095	0.8638
11	1.889	20560	2870	VV	0.103	3.5410
12	2.065	7934	1320	VV	0.087	1.3665
13	2.327	19258	1942	VV	0.151	3.3167
14	2.466	1102	415	VV	0.044	0.1898
15	2.517	878	376	VV	0.039	0.1511
16	2.578	1402	518	VV	0.045	0.2415
17	2.646	1085	581	VV	0.031	0.1868
18	2.710	7886	1215	VV	0.089	1.3581
19	2.877	2151	424	VV	0.075	0.3704
20	3.024	525	247	VV	0.035	0.0904

Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 17 Aug 22 12:39 PM

Page Number : 2
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.184	6247	709	VV	0.120	1.0759
22	3.405	4720	645	VV	0.108	0.8128
23	3.483	6754	944	VV	0.119	1.1631
24	3.687	6244	808	VV	0.116	1.0755
25	3.909	8586	926	VV	0.139	1.4788
26	4.163	6403	764	VV	0.111	1.1028
27	4.347	1794	286	VV	0.104	0.3090
28	4.582	5371	634	VV	0.108	0.9250
29	4.812	3824	533	VV	0.096	0.6585
30	4.948	1297	250	VV	0.087	0.2234
31	5.219	33896	4932	VV	0.102	5.8378
32	5.394	2128	656	VV	0.054	0.3664
33	5.456	5862	579	VV	0.169	1.0097
34	5.733	1630	426	VV	0.062	0.2807
35	5.781	1400	366	VV	0.064	0.2411
36	5.870	656	278	VV	0.039	0.1130
37	5.997	3251	427	VV	0.104	0.5600
38	6.163	1664	341	VV	0.081	0.2867
39	6.273	1881	253	VV	0.124	0.3239
40	6.500	3262	367	VV	0.148	0.5617
41	6.793	5096	1005	VV	0.080	0.8777
42	6.929	23503	3321	VV	0.100	4.0479
43	7.269	9641	1746	VV	0.084	1.6604
44	7.423	1329	319	VV	0.069	0.2289
45	7.622	147388	22391	VV	0.096	25.3844
46	8.256	8490	1134	VV	0.101	1.4623
47	8.344	4467	857	VV	0.087	0.7693
48	8.484	4707	683	VV	0.115	0.8108
49	8.687	7848	1258	VV	0.092	1.3517
50	8.843	4335	625	VV	0.116	0.7466
51	9.048	2460	547	VV	0.067	0.4237
52	9.120	932	289	VV	0.054	0.1605
53	9.252	1805	402	VV	0.086	0.3109
54	9.345	2201	337	VV	0.103	0.3791
55	9.455	2489	295	VV	0.141	0.4288
56	9.785	2808	295	VV	0.145	0.4837
57	9.989	880	268	VV	0.055	0.1516
58	10.044	406	161	VV	0.042	0.0700
59	10.178	2422	215	VB	0.187	0.4171
60	10.518	385	172	BV	0.037	0.0663
61	10.603	1315	228	VV	0.078	0.2264
62	10.761	610	206	VV	0.051	0.1051
63	10.877	917	244	PV	0.063	0.1580
64	10.971	1990	200	VV	0.130	0.3427
65	11.183	1566	172	VV	0.131	0.2697
66	11.344	387	172	VV	0.038	0.0666
67	11.401	620	186	VV	0.055	0.1068
68	11.513	826	231	VV	0.059	0.1422
69	11.683	788	227	PV	0.058	0.1356
70	11.758	728	215	VV	0.049	0.1253
71	11.818	621	203	VV	0.051	0.1069
72	11.988	1701	231	VV	0.123	0.2930
73	12.257	2305	296	VV	0.143	0.3970
74	12.470	768	152	PB	0.084	0.1322

Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 16
Sample Name : 100 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 12:23 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 12:39 PM
Analysis Method : GX.MTH

75	13.061	565	138	BV	0.068	0.0973
76	13.263	777	202	PV	0.062	0.1339
77	13.314	2421	217	VV	0.186	0.4170
78	13.681	1025	226	VV	0.075	0.1766
79	13.787	730	200	VV	0.058	0.1257
80	13.878	306	157	VV	0.032	0.0527
81	13.940	514	176	PV	0.049	0.0885
82	14.021	896	168	VV	0.089	0.1543
83	14.145	793	284	VV	0.044	0.1365
84	14.279	714	235	VV	0.051	0.1229
85	14.397	1529	177	PV	0.131	0.2634
86	14.587	1332	217	PV	0.102	0.2294
87	14.817	530	149	VV	0.053	0.0913
88	14.906	1267	246	VV	0.083	0.2182
89	15.032	471	215	VV	0.037	0.0811
90	15.160	1083	168	PBA	0.105	0.1865

Total area = 580626

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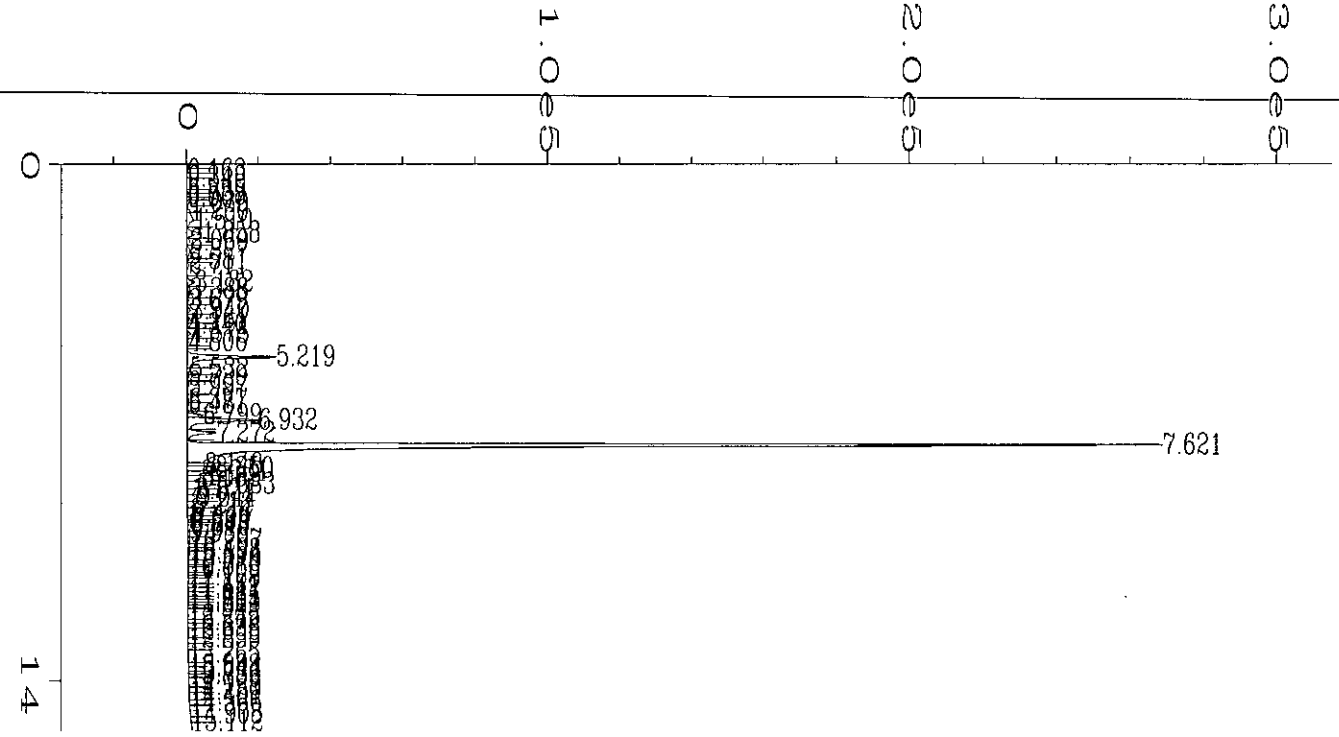

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\016R0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 17 Aug 22 12:39 PM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\016R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.163	331	96	BV	0.056	0.0129
2	0.348	351	84	PV	0.069	0.0137
3	0.735	462	180	PV	0.043	0.0180
4	0.838	477	98	VV	0.069	0.0186
5	0.907	274	117	VV	0.039	0.0107
6	1.030	3405	798	VV	0.063	0.1329
7	1.260	4331	867	VV	0.074	0.1691
8	1.510	26387	2006	VV	0.173	1.0303
9	1.858	27877	4143	VV	0.103	1.0885
10	2.069	6685	868	VV	0.108	0.2610
11	2.327	11451	816	VV	0.175	0.4471
12	2.581	2273	434	VV	0.073	0.0887
13	2.711	5068	529	VV	0.123	0.1979
14	3.182	16608	2228	VV	0.115	0.6485
15	3.388	11093	779	VV	0.194	0.4331
16	3.679	3601	464	VV	0.103	0.1406
17	3.940	7593	916	VV	0.108	0.2965
18	4.161	5293	651	VV	0.111	0.2067
19	4.340	1535	293	VV	0.087	0.0599
20	4.575	6044	918	VV	0.102	0.2360

21	4.806	2346	386	VV	0.094	0.0916
22	5.219	162921	25096	PV	0.097	6.3615
23	5.532	7433	784	VV	0.145	0.2902
24	5.729	2931	459	VV	0.095	0.1144
25	5.997	4846	382	VV	0.159	0.1892
26	6.377	3305	418	VV	0.108	0.1291
27	6.481	3505	384	VV	0.152	0.1368
28	6.799	21331	4450	VV	0.074	0.8329
29	6.932	124576	19912	VV	0.093	4.8642
30	7.272	48609	8167	VV	0.089	1.8980
31	7.621	1708049	274112	VV	0.092	66.6929
32	8.148	23430	4706	VV	0.071	0.9148
33	8.250	52236	7647	VV	0.097	2.0396
34	8.331	35105	6231	VV	0.094	1.3707
35	8.482	28044	3799	VV	0.106	1.0950
36	8.683	55189	8117	VV	0.098	2.1549
37	8.831	17448	2295	VV	0.127	0.6813
38	9.044	22388	2855	VV	0.109	0.8742
39	9.212	14521	1938	VV	0.104	0.5670
40	9.448	17795	1471	VV	0.155	0.6948
41	9.608	6047	1088	VV	0.093	0.2361
42	9.699	4016	1050	VV	0.062	0.1568
43	9.743	3752	1077	VV	0.058	0.1465
44	9.810	8693	1075	VV	0.106	0.3394
45	9.986	5414	662	VV	0.136	0.2114
46	10.207	6379	683	VV	0.124	0.2491
47	10.468	2404	461	VV	0.087	0.0939
48	10.574	5648	546	VV	0.142	0.2205
49	10.770	2100	342	VV	0.089	0.0820
50	10.885	883	296	VV	0.050	0.0345
51	10.950	2522	319	VV	0.132	0.0985
52	11.169	710	236	VV	0.050	0.0277
53	11.441	633	159	VV	0.066	0.0247
54	11.517	957	165	VV	0.097	0.0374
55	11.681	972	192	VV	0.084	0.0379
56	11.765	670	169	VV	0.058	0.0261
57	11.814	526	164	VV	0.053	0.0205
58	11.883	626	164	VV	0.063	0.0244
59	12.245	1254	180	PV	0.094	0.0490
60	12.373	266	69	PV	0.064	0.0104
61	12.538	548	113	VV	0.083	0.0214
62	12.636	1015	102	VV	0.132	0.0396
63	12.850	252	70	VV	0.060	0.0098
64	13.265	1052	133	PV	0.116	0.0411
65	13.592	490	137	VV	0.060	0.0191
66	13.644	650	143	VV	0.076	0.0254
67	13.786	224	88	PV	0.042	0.0087
68	13.839	151	44	VV	0.057	0.0059
69	14.129	1594	168	PV	0.123	0.0622
70	14.280	512	124	VV	0.069	0.0200
71	14.401	1317	183	VV	0.115	0.0514
72	14.566	434	131	PV	0.055	0.0169
73	14.908	1044	137	PV	0.102	0.0408
74	15.112	164	98	PV	0.037	0.0064

Total area = 2561067

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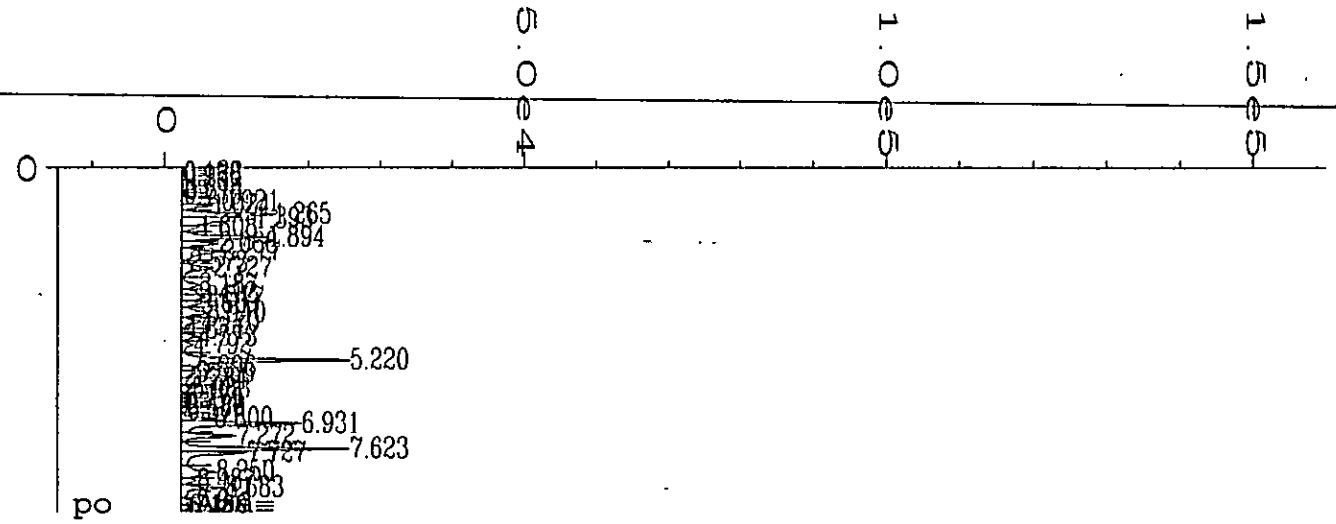
Last update on 07-26-22 TL

~~PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\016R0101.D~~

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 16
Sample Name : 100 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 12:23 PM
Report Created on: 17 Aug 22 12:39 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
107	FID	7.622	147388	1.38E+05
94	PID	7.621	1708049	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
1.30 ppb	FID	3.184	6247	4.82E+03
0.65 ppb	PID	3.182	16608	2.57E+04
Toluene				
7.20 ppb	FID	5.219	33896	4.71E+03
6.49 ppb	PID	5.219	162921	2.51E+04
Ethylbenzene				
1.43 ppb	FID	6.793	5096	3.56E+03
1.12 ppb	PID	6.799	21331	1.91E+04
m,p-Xylenes				
5.83 ppb	FID	6.929	23503	4.03E+03
4.70 ppb	PID	6.932	124576	2.65E+04
o-Xylene				
2.19 ppb	FID	7.269	9641	4.40E+03
1.91 ppb	PID	7.272	48609	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.06 ppb	PID	10.950	2522	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
136.67 ppb	FID		176811	1.29E+03
106.75 ppb	PID		645022	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-147388	1.15E+03
698.23 ppb	PID		-1708049	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:49 PM
Report Created on: 17 Aug 22 01:04 PM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\017F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.122	372	247	BV	0.025	0.0254
2	0.178	510	208	VV	0.041	0.0348
3	0.250	1349	215	VV	0.104	0.0920
4	0.363	1542	241	VV	0.107	0.1051
5	0.614	2064	405	PV	0.071	0.1407
6	0.730	974	386	PV	0.042	0.0664
7	0.921	53055	5459	VV	0.134	3.6166
8	1.024	23982	4316	VV	0.078	1.6348
9	1.265	78513	13182	VV	0.092	5.3520
10	1.393	85771	10273	VV	0.121	5.8468
11	1.608	15717	2424	VV	0.093	1.0714
12	1.894	78698	11942	VV	0.105	5.3646
13	2.068	32146	5187	VV	0.092	2.1913
14	2.277	52606	5904	VV	0.125	3.5860
15	2.573	4239	1085	VV	0.065	0.2890
16	2.727	40790	4417	VV	0.134	2.7805
17	3.187	22727	2476	VV	0.122	1.5492
18	3.412	15045	2330	VV	0.108	1.0256
19	3.517	27573	3425	VV	0.119	1.8795
20	3.683	20019	2772	VV	0.107	1.3647

Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 17
Sample Name : 500 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 12:49 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 01:04 PM
Analysis Method : GX.MTH

21	3.940	34166	3566	VV	0.144	2.3290
22	4.170	23261	2765	VV	0.121	1.5856
23	4.374	3028	546	VV	0.092	0.2064
24	4.573	17126	2416	VV	0.105	1.1675
25	4.792	15037	1715	VV	0.125	1.0250
26	5.220	156805	23941	VV	0.098	10.6889
27	5.396	14457	2321	VV	0.104	0.9855
28	5.558	17406	2020	VV	0.122	1.1865
29	5.734	9660	1139	VV	0.117	0.6585
30	5.983	12150	1435	VV	0.125	0.8282
31	6.174	2583	567	VV	0.076	0.1761
32	6.279	2168	500	VV	0.072	0.1478
33	6.429	3977	725	VV	0.091	0.2711
34	6.486	1962	747	VV	0.044	0.1337
35	6.573	5573	839	VV	0.097	0.3799
36	6.800	24598	4590	VV	0.079	1.6768
37	6.931	107827	16806	VV	0.095	7.3502
38	7.272	46202	7848	VV	0.089	3.1494
39	7.623	128690	23785	VV	0.081	8.7724
40	7.727	62716	9411	VV	0.093	4.2752
41	8.250	52072	4891	VV	0.141	3.5496
42	8.487	14538	2218	VV	0.096	0.9910
43	8.683	41827	6224	VV	0.097	2.8512
44	9.051	12523	2141	VV	0.087	0.8536
45	9.199	7756	1133	VV	0.094	0.5287
46	9.400	5619	937	VV	0.086	0.3830
47	9.453	6190	1085	VV	0.095	0.4219
48	9.589	3923	789	VV	0.083	0.2674
49	9.718	5485	809	VV	0.100	0.3739
50	9.813	5777	1042	VV	0.092	0.3938
51	10.025	3677	536	VV	0.099	0.2507
52	10.107	1754	450	VV	0.065	0.1196
53	10.204	3337	545	VV	0.102	0.2275
54	10.328	3331	399	VV	0.117	0.2270
55	10.511	2497	372	VV	0.112	0.1702
56	10.640	1142	482	VV	0.040	0.0778
57	10.690	2480	352	VV	0.117	0.1690
58	10.872	2344	274	VV	0.111	0.1598
59	11.038	782	280	VV	0.047	0.0533
60	11.219	2285	297	VV	0.123	0.1558
61	11.293	708	309	VV	0.038	0.0482
62	11.375	1345	348	VV	0.064	0.0917
63	11.469	690	302	VV	0.038	0.0470
64	11.563	1321	261	VV	0.084	0.0901
65	11.704	1362	290	VV	0.078	0.0929
66	11.880	1990	323	VV	0.097	0.1356
67	11.946	1404	224	VV	0.104	0.0957
68	12.109	1480	243	VV	0.101	0.1009
69	12.244	696	272	VV	0.043	0.0475
70	12.307	1390	204	VV	0.113	0.0947
71	12.449	572	213	VV	0.045	0.0390
72	12.564	1506	252	VV	0.079	0.1027
73	12.651	955	275	VV	0.058	0.0651
74	12.775	678	267	VV	0.041	0.0462

Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 17
Sample Name : 500 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 12:49 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 01:04 PM
Analysis Method : GX.MTH

75	12.838	880	178	VV	0.078	0.0600
76	12.937	1123	273	VV	0.068	0.0766
77	13.044	866	276	VV	0.052	0.0590
78	13.198	2260	270	VV	0.108	0.1540
79	13.364	414	238	VV	0.029	0.0282
80	13.438	1387	316	VV	0.063	0.0946
81	13.538	368	175	VV	0.035	0.0251
82	13.624	952	210	VV	0.076	0.0649
83	13.692	1027	266	VV	0.067	0.0700
84	13.898	2271	254	VV	0.149	0.1548
85	14.093	2035	276	VV	0.123	0.1387
86	14.240	1311	235	VV	0.093	0.0894
87	14.362	988	260	VV	0.063	0.0673
88	14.451	927	273	VV	0.057	0.0632
89	14.579	1268	241	VV	0.083	0.0864
90	14.640	543	220	VV	0.041	0.0370
91	14.711	637	245	VV	0.043	0.0434
92	14.818	951	199	VV	0.075	0.0648
93	14.893	1041	296	VV	0.059	0.0710
94	14.961	1149	259	VV	0.063	0.0783
95	15.130	1367	220	PV	0.087	0.0932
96	15.217	701	289	VV	0.040	0.0478

Total area = 1466985

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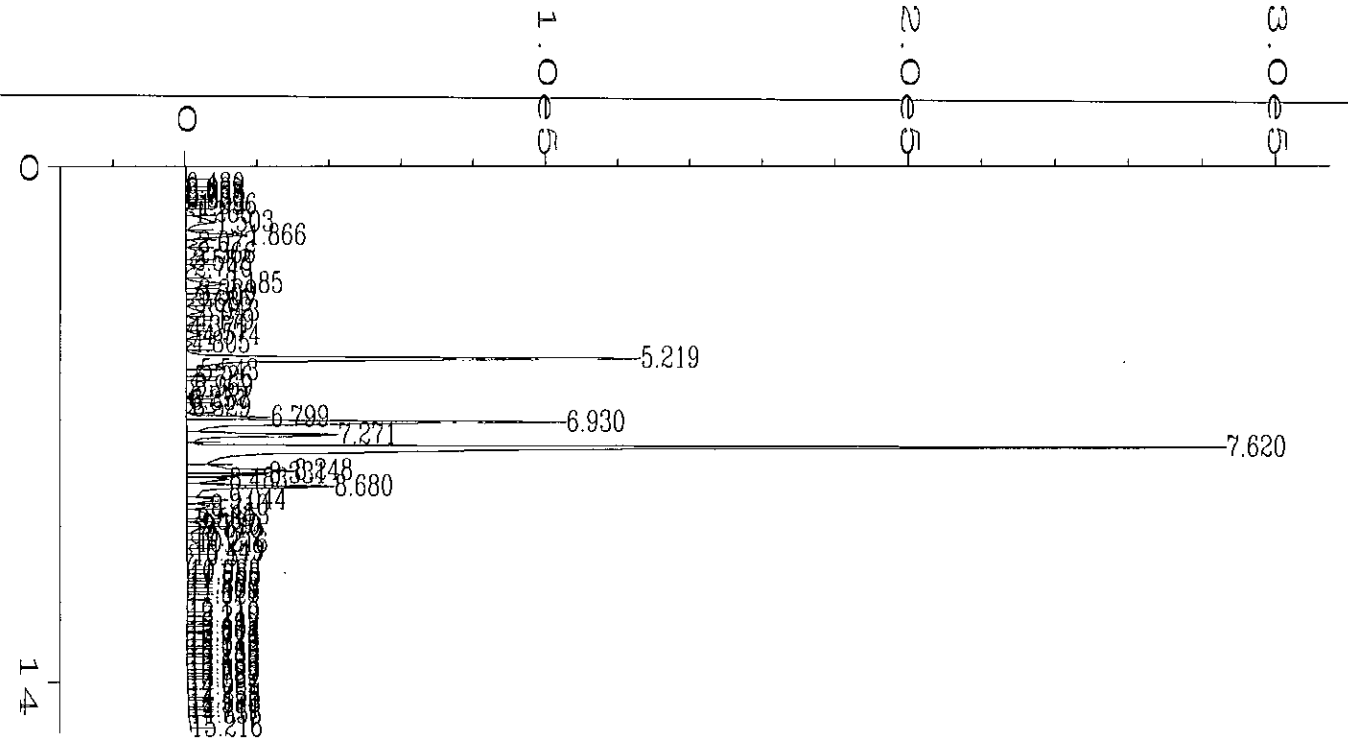

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\017R0101.D
Operator : awb
Instrument : GC2
Sample Name : 500 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:49 PM
Report Created on: 17 Aug 22 01:05 PM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\017R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.480	603	91	PV	0.111	0.0110
2	0.607	532	124	VV	0.069	0.0097
3	0.738	587	135	PV	0.063	0.0107
4	0.795	309	118	VV	0.043	0.0056
5	0.859	407	137	VV	0.050	0.0074
6	0.925	418	118	VV	0.059	0.0076
7	1.036	16870	3782	VV	0.068	0.3084
8	1.268	12677	2230	VV	0.086	0.2317
9	1.503	95384	8482	VV	0.152	1.7437
10	1.866	119825	17198	VV	0.108	2.1905
11	2.072	24448	3215	VV	0.112	0.4469
12	2.366	43593	3165	VV	0.183	0.7969
13	2.582	11925	1830	VV	0.098	0.2180
14	2.740	19248	2117	VV	0.134	0.3519
15	3.185	77930	10728	VV	0.110	1.4246
16	3.389	25748	3375	VV	0.114	0.4707
17	3.509	23650	3085	VV	0.128	0.4323
18	3.685	15172	2166	VV	0.103	0.2774
19	3.943	35435	4118	VV	0.130	0.6478
20	4.179	22015	2622	VV	0.130	0.4025

21	4.371	5497	791	VV	0.093	0.1005
22	4.574	27582	4415	VV	0.097	0.5042
23	4.805	12573	1570	VV	0.119	0.2298
24	5.219	813183	127873	VV	0.095	14.8654
25	5.543	34497	3876	VV	0.148	0.6306
26	5.726	13011	2119	VV	0.085	0.2378
27	5.969	36472	2085	VV	0.221	0.6667
28	6.272	2106	722	VV	0.049	0.0385
29	6.357	5680	1003	VV	0.078	0.1038
30	6.529	20582	1622	VV	0.166	0.3763
31	6.799	112611	23480	VV	0.074	2.0586
32	6.930	636384	106475	VV	0.090	11.6335
33	7.271	248101	42684	VV	0.087	4.5354
34	7.620	1960529	292433	VV	0.097	35.8396
35	8.248	226740	30107	VV	0.105	4.1449
36	8.331	112486	22681	VV	0.083	2.0563
37	8.483	73353	11689	VV	0.091	1.3409
38	8.680	257182	41167	VV	0.092	4.7014
39	9.044	69082	11585	VV	0.088	1.2629
40	9.210	40650	6396	VV	0.093	0.7431
41	9.453	63475	6500	VV	0.131	1.1604
42	9.589	14737	2726	VV	0.079	0.2694
43	9.720	21141	4011	VV	0.077	0.3865
44	9.810	34977	4622	VV	0.110	0.6394
45	10.052	13175	1516	VV	0.113	0.2409
46	10.216	21006	2565	VV	0.119	0.3840
47	10.449	8762	1389	VV	0.087	0.1602
48	10.577	17324	1636	VV	0.141	0.3167
49	10.988	3158	514	VV	0.086	0.0577
50	11.088	2318	393	VV	0.098	0.0424
51	11.287	851	241	VV	0.059	0.0156
52	11.372	628	143	VV	0.061	0.0115
53	11.469	424	128	VV	0.055	0.0078
54	11.573	306	108	VV	0.047	0.0056
55	11.627	766	111	VB	0.115	0.0140
56	12.119	481	107	PV	0.072	0.0088
57	12.249	355	76	PV	0.072	0.0065
58	12.437	256	91	VV	0.047	0.0047
59	12.604	721	148	PV	0.077	0.0132
60	12.648	278	137	VV	0.034	0.0051
61	12.776	852	153	VV	0.093	0.0156
62	12.875	887	117	VV	0.127	0.0162
63	13.043	248	89	PV	0.046	0.0045
64	13.185	670	167	PV	0.060	0.0123
65	13.238	270	107	VV	0.042	0.0049
66	13.425	851	141	PV	0.082	0.0156
67	13.539	670	114	PV	0.078	0.0122
68	13.693	348	109	VV	0.053	0.0064
69	13.789	288	92	PV	0.051	0.0053
70	13.882	396	168	VV	0.039	0.0072
71	14.081	1141	109	VV	0.148	0.0209
72	14.358	1355	201	VV	0.093	0.0248
73	14.452	164	75	VV	0.036	0.0030
74	14.588	520	71	PV	0.118	0.0095
75	14.711	249	112	PV	0.036	0.0046
76	14.858	877	146	VV	0.090	0.0160
77	15.216	288	85	PV	0.049	0.0053

Total area = 5470292

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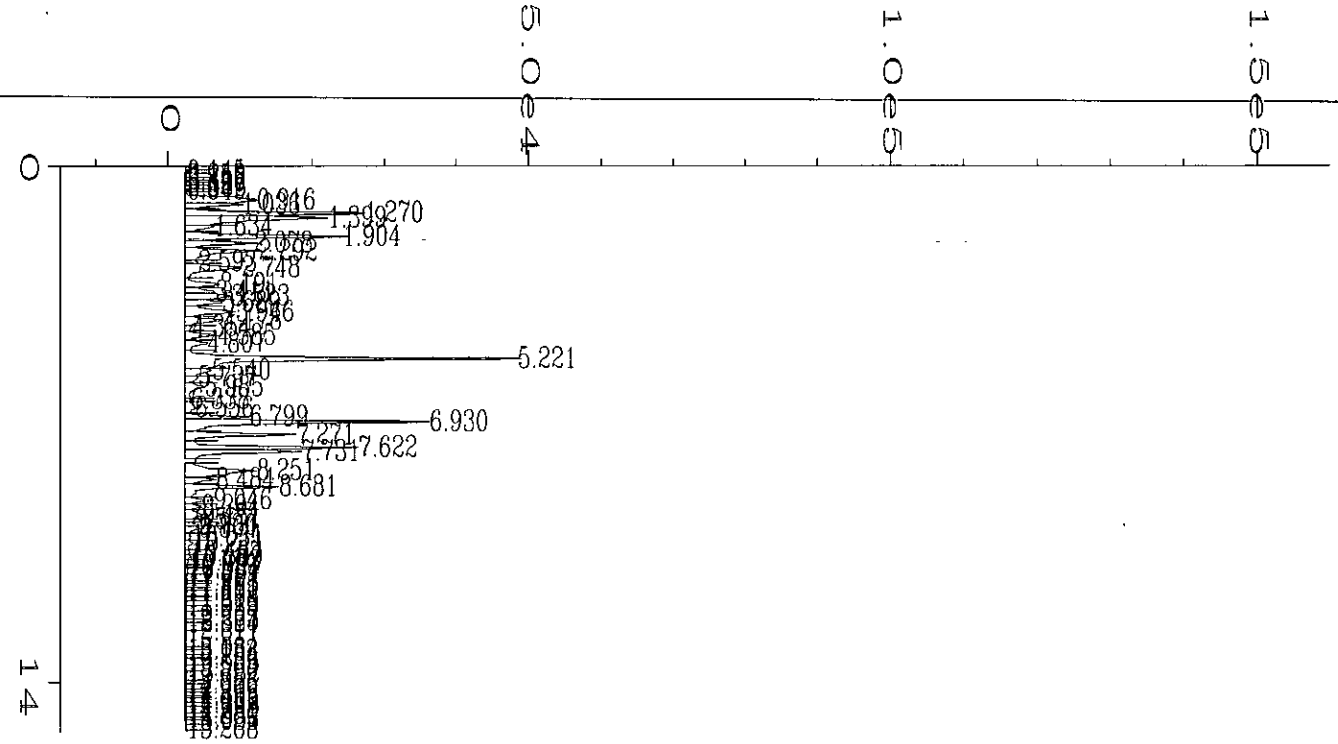
Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\017R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 17
Sample Name : 500 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 12:49 PM
Report Created on: 17 Aug 22 01:04 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
93	FID	7.727	128690	1.38E+05
108	PID	7.620	1960529	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
4.72 ppb	FID	3.187	22727	4.82E+03
3.03 ppb	PID	3.185	77930	2.57E+04
Toluene				
33.30 ppb	FID	5.220	156805	4.71E+03
32.40 ppb	PID	5.219	813183	2.51E+04
Ethylbenzene				
6.92 ppb	FID	6.800	24598	3.56E+03
5.89 ppb	PID	6.799	112611	1.91E+04
m,p-Xylenes				
26.73 ppb	FID	6.931	107827	4.03E+03
24.01 ppb	PID	6.930	636384	2.65E+04
o-Xylene				
10.51 ppb	FID	7.272	46202	4.40E+03
9.73 ppb	PID	7.271	248101	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.07 ppb	PID	11.088	3158	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
583.19 ppb	FID		754503	1.29E+03
469.68 ppb	PID		2837990	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-128690	1.15E+03
801.44 ppb	PID		-1960529	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:15 PM
Report Created on: 17 Aug 22 01:30 PM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\018F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.145	683	259	BV	0.045	0.0263
2	0.253	1303	298	PV	0.062	0.0501
3	0.345	1027	321	VV	0.058	0.0395
4	0.396	972	368	VV	0.044	0.0374
5	0.457	946	337	VV	0.047	0.0364
6	0.538	1323	358	VV	0.062	0.0509
7	0.649	985	361	VV	0.045	0.0379
8	0.916	96008	10098	VV	0.136	3.6937
9	1.036	42265	8266	VV	0.073	1.6260
10	1.270	151476	25080	VV	0.093	5.8277
11	1.399	165457	19886	VV	0.118	6.3656
12	1.634	27957	4028	VV	0.104	1.0756
13	1.904	147710	22805	VV	0.099	5.6828
14	2.078	60286	10082	VV	0.090	2.3194
15	2.292	89179	10281	VV	0.123	3.4309
16	2.593	8044	1827	VV	0.062	0.3095
17	2.748	74457	7873	VV	0.136	2.8645
18	3.191	37881	4897	VV	0.122	1.4574
19	3.411	27771	4156	VV	0.111	1.0684
20	3.523	54069	6403	VV	0.120	2.0802

Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:15 PM
Report Created on: 17 Aug 22 01:30 PM

Page Number : 2
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.689	37748	5239	VV	0.107	1.4523
22	3.946	64498	7066	VV	0.137	2.4814
23	4.178	40907	5311	VV	0.114	1.5738
24	4.354	6893	999	VV	0.101	0.2652
25	4.585	31510	4448	VV	0.104	1.2123
26	4.807	27937	3129	VV	0.126	1.0748
27	5.221	337092	47434	VV	0.103	12.9688
28	5.540	31363	3814	VV	0.111	1.2066
29	5.737	15409	1862	VV	0.138	0.5928
30	5.985	33179	2774	VV	0.158	1.2765
31	6.338	4479	851	VV	0.079	0.1723
32	6.556	19280	1383	VV	0.185	0.7417
33	6.799	45550	8990	VV	0.078	1.7524
34	6.930	215619	34307	VV	0.093	8.2954
35	7.271	91452	15631	VV	0.087	3.5184
36	7.622	132211	24449	VV	0.081	5.0865
37	7.731	98239	16284	VV	0.088	3.7795
38	8.251	101918	10009	VV	0.138	3.9211
39	8.484	26780	4352	VV	0.103	1.0303
40	8.681	81672	13101	VV	0.091	3.1421
41	9.046	23114	4032	VV	0.085	0.8893
42	9.204	15189	2322	VV	0.095	0.5844
43	9.451	24734	2395	VV	0.134	0.9516
44	9.577	6896	1339	VV	0.086	0.2653
45	9.720	8859	1861	VV	0.079	0.3408
46	9.804	14934	1946	VV	0.101	0.5746
47	10.031	7449	893	VV	0.127	0.2866
48	10.211	9981	1061	VV	0.125	0.3840
49	10.467	4582	686	VV	0.105	0.1763
50	10.589	4887	793	VV	0.091	0.1880
51	10.703	2977	570	VV	0.087	0.1145
52	10.827	1053	339	VV	0.052	0.0405
53	10.881	754	319	VV	0.039	0.0290
54	10.934	2974	438	VV	0.113	0.1144
55	11.097	2456	349	VV	0.095	0.0945
56	11.261	950	249	VV	0.056	0.0366
57	11.355	1391	295	VV	0.069	0.0535
58	11.451	755	287	VV	0.044	0.0290
59	11.512	2157	264	VV	0.136	0.0830
60	11.693	1303	286	VV	0.076	0.0501
61	11.816	1346	236	VV	0.081	0.0518
62	11.935	1340	229	VV	0.097	0.0515
63	12.203	2194	269	VV	0.139	0.0844
64	12.333	770	221	VV	0.058	0.0296
65	12.384	1999	235	VV	0.142	0.0769
66	12.611	3465	232	VV	0.249	0.1333
67	13.084	815	246	VV	0.055	0.0314
68	13.133	865	181	VV	0.079	0.0333
69	13.284	643	239	VV	0.045	0.0247
70	13.385	1437	279	VV	0.084	0.0553
71	13.568	1298	175	VV	0.125	0.0499
72	13.732	1756	291	VV	0.086	0.0676
73	13.953	772	182	VV	0.071	0.0297
74	14.055	1001	189	VV	0.088	0.0385

Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 18
Sample Name : 1000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 01:15 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 01:30 PM
Analysis Method : GX.MTH

75	14.209	523	171	VV	0.046	0.0201
76	14.313	763	220	VV	0.052	0.0293
77	14.386	427	252	VV	0.028	0.0164
78	14.486	843	198	VV	0.073	0.0324
79	14.583	1030	229	VV	0.072	0.0396
80	14.721	1463	265	VV	0.087	0.0563
81	14.880	591	173	PV	0.057	0.0227
82	14.957	841	311	VV	0.045	0.0324
83	15.035	829	228	VV	0.060	0.0319
84	15.268	1311	228	VV	0.106	0.0504

Total area = 2599252

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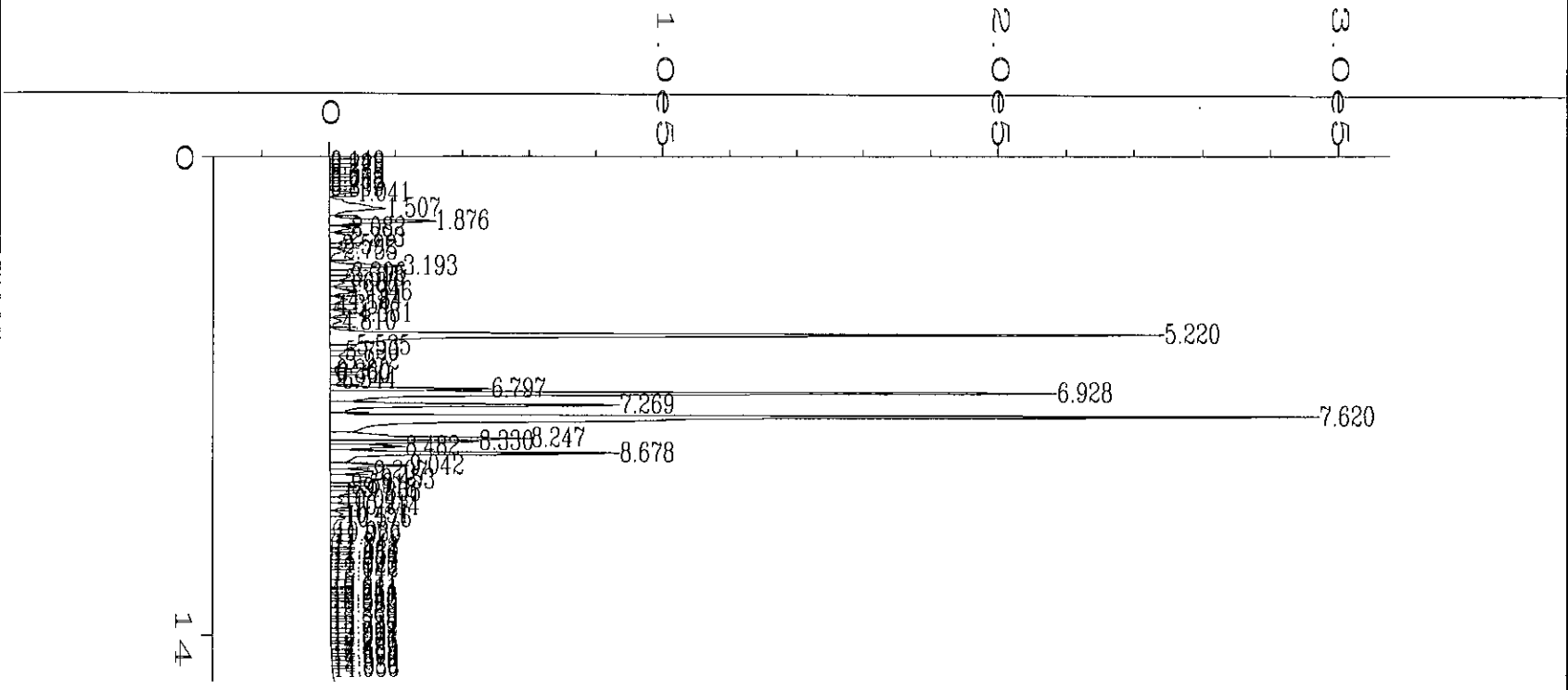

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\018R0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:15 PM
Report Created on: 17 Aug 22 01:30 PM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\018R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.149	567	139	BV	0.068	0.0061
2	0.228	612	120	VV	0.082	0.0065
3	0.388	1101	151	VV	0.122	0.0118
4	0.543	351	119	VV	0.047	0.0038
5	0.653	430	146	PV	0.051	0.0046
6	0.745	836	166	VV	0.072	0.0089
7	0.899	412	129	VV	0.055	0.0044
8	1.041	36762	8236	VV	0.067	0.3932
9	1.507	225926	16901	VV	0.177	2.4167
10	1.876	228117	32298	VV	0.110	2.4401
11	2.082	47500	6537	VV	0.113	0.5081
12	2.373	87329	6333	VV	0.183	0.9341
13	2.592	23884	3718	VV	0.093	0.2555
14	2.755	40017	4129	VV	0.143	0.4281
15	3.193	161229	22238	VV	0.110	1.7246
16	3.396	53465	6680	VV	0.116	0.5719
17	3.518	45125	6081	VV	0.111	0.4827
18	3.688	31910	4412	VV	0.108	0.3413
19	3.946	71449	8428	VV	0.128	0.7643
20	4.184	46349	5412	VV	0.129	0.4958

21	4.354	15110	1886	VV	0.110	0.1616
22	4.581	57463	8669	VV	0.101	0.6147
23	4.810	31528	3580	VV	0.130	0.3373
24	5.220	1627491	253567	VV	0.096	17.4089
25	5.535	66922	7864	VV	0.142	0.7158
26	5.720	34816	4459	VV	0.108	0.3724
27	5.972	68496	4390	VV	0.203	0.7327
28	6.260	8281	1677	VV	0.078	0.0886
29	6.360	10384	1956	VV	0.088	0.1111
30	6.544	46266	3517	VV	0.187	0.4949
31	6.797	233060	48570	VV	0.073	2.4930
32	6.928	1299771	220292	VV	0.088	13.9034
33	7.269	508637	87624	VV	0.087	5.4408
34	7.620	2220522	302021	VV	0.104	23.7525
35	8.247	427981	61229	VV	0.099	4.5780
36	8.330	216625	44749	VV	0.081	2.3172
37	8.482	134645	22516	VV	0.088	1.4403
38	8.678	513158	87402	VV	0.087	5.4891
39	9.042	137062	23896	VV	0.086	1.4661
40	9.207	78710	12994	VV	0.089	0.8419
41	9.453	143264	15110	VV	0.127	1.5325
42	9.591	32654	6112	VV	0.078	0.3493
43	9.718	51029	9761	VV	0.077	0.5458
44	9.806	81550	10997	VV	0.107	0.8723
45	10.043	28716	3560	VV	0.116	0.3072
46	10.214	51050	6888	VV	0.110	0.5461
47	10.451	26777	3798	VV	0.101	0.2864
48	10.576	45317	4438	VV	0.138	0.4847
49	10.986	9240	1315	VV	0.098	0.0988
50	11.079	9935	1115	VV	0.148	0.1063
51	11.341	4719	572	VV	0.109	0.0505
52	11.443	1624	465	VV	0.058	0.0174
53	11.524	1926	435	VV	0.074	0.0206
54	11.652	2798	433	VV	0.108	0.0299
55	11.807	1699	307	VV	0.078	0.0182
56	11.923	1225	254	VV	0.080	0.0131
57	12.042	879	216	VV	0.068	0.0094
58	12.147	3517	300	VV	0.161	0.0376
59	12.611	280	125	VV	0.037	0.0030
60	12.684	482	123	VV	0.065	0.0052
61	12.761	278	120	VV	0.039	0.0030
62	12.858	681	165	VV	0.059	0.0073
63	12.942	434	125	VV	0.058	0.0046
64	13.080	1111	190	VV	0.083	0.0119
65	13.360	1181	126	VV	0.156	0.0126
66	13.558	234	65	PV	0.060	0.0025
67	13.712	960	164	VV	0.084	0.0103
68	13.907	398	119	PV	0.056	0.0043
69	13.974	781	143	VV	0.079	0.0084
70	14.091	443	97	VV	0.076	0.0047
71	14.206	259	116	PV	0.037	0.0028
72	14.382	754	127	VV	0.099	0.0081
73	14.469	540	129	VV	0.063	0.0058
74	14.594	426	106	VV	0.063	0.0046
75	14.670	472	134	PV	0.060	0.0050
76	14.880	325	74	PV	0.073	0.0035
77	14.956	339	137	VV	0.047	0.0036

Total area = 9348597

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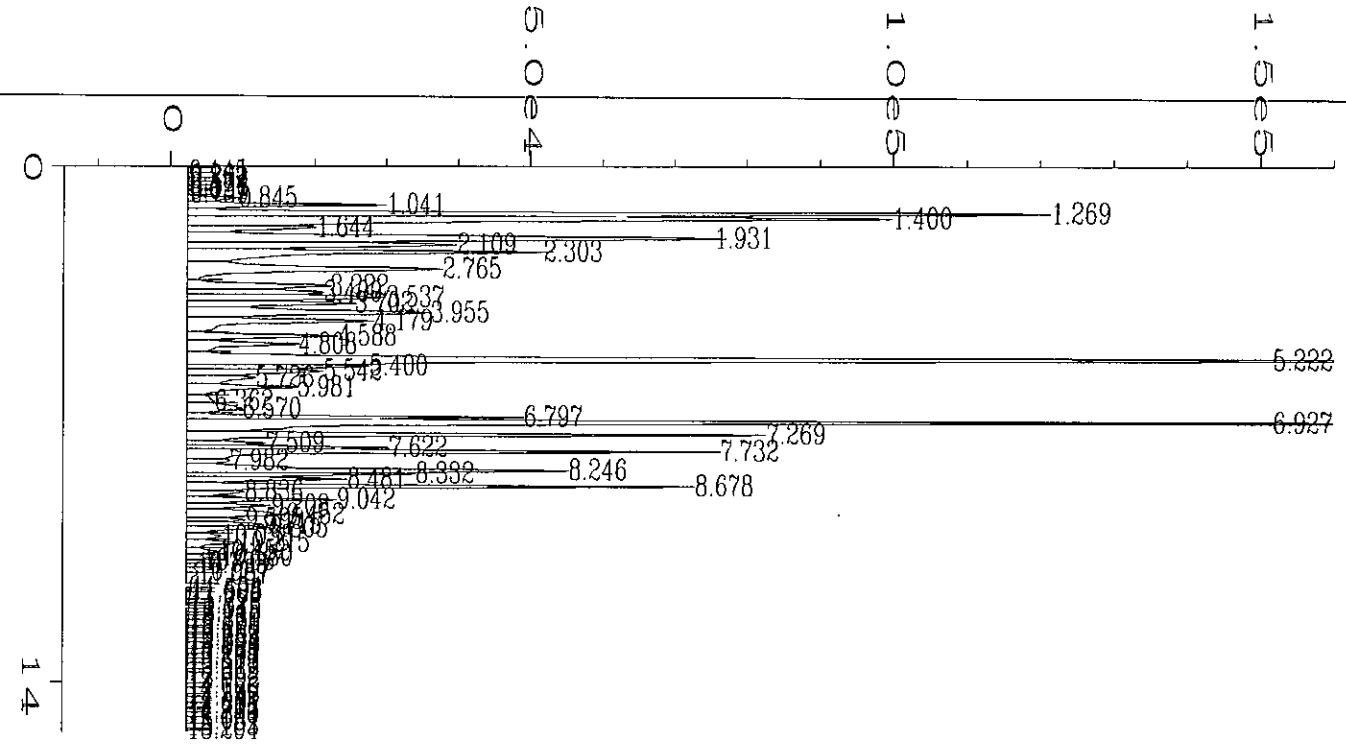
Last update on 07-26-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\018R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 18
Sample Name : 1000 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 1:15 PM
Report Created on: 17 Aug 22 01:30 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.622	132211	1.38E+05
122	PID	7.620	2220522	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
7.86 ppb	FID	3.191	37881	4.82E+03
6.27 ppb	PID	3.193	161229	2.57E+04
Toluene				
71.59 ppb	FID	5.221	337092	4.71E+03
64.85 ppb	PID	5.220	1627491	2.51E+04
Ethylbenzene				
12.81 ppb	FID	6.799	45550	3.56E+03
12.19 ppb	PID	6.797	233060	1.91E+04
m,p-Xylenes				
53.44 ppb	FID	6.930	215619	4.03E+03
49.03 ppb	PID	6.928	1299771	2.65E+04
o-Xylene				
20.80 ppb	FID	7.271	91452	4.40E+03
19.94 ppb	PID	7.269	508637	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.22 ppb	PID	11.079	9935	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
1106.28 ppb	FID		1431246	1.29E+03
945.02 ppb	PID		5710161	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-132211	1.15E+03
907.72 ppb	PID		-2220522	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb
Instrument : GC2
Sample Name : 5000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:40 PM
Report Created on: 17 Aug 22 01:56 PM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\019F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.145	748	147	BV	0.085	0.0064
2	0.261	1389	333	VV	0.069	0.0119
3	0.332	852	296	VV	0.048	0.0073
4	0.474	792	228	VV	0.051	0.0068
5	0.538	905	312	VV	0.048	0.0078
6	0.621	544	232	VV	0.039	0.0047
7	0.739	1163	362	PV	0.053	0.0100
8	0.845	41785	7167	VV	0.086	0.3580
9	1.041	147357	27809	VV	0.078	1.2625
10	1.269	721277	119734	VV	0.093	6.1797
11	1.400	813117	97869	VV	0.119	6.9666
12	1.644	130125	17942	VV	0.107	1.1149
13	1.931	683075	74958	VV	0.145	5.8524
14	2.109	292010	37614	VV	0.115	2.5019
15	2.303	407781	51331	VV	0.113	3.4938
16	2.765	376326	35648	VV	0.154	3.2243
17	3.222	172645	20163	VV	0.129	1.4792
18	3.400	137033	18913	VV	0.106	1.1741
19	3.537	225211	27715	VV	0.120	1.9295
20	3.702	176348	23626	VV	0.110	1.5109

Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 19
Sample Name : 5000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 01:40 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 01:56 PM
Analysis Method : GX.MTH

21	3.955	317470	34212	VV	0.138	2.7200
22	4.179	231079	26260	VV	0.128	1.9798
23	4.588	143594	21040	VV	0.104	1.2303
24	4.808	136338	15817	VV	0.128	1.1681
25	5.222	1533398	237040	VV	0.096	13.1378
26	5.400	150530	25336	VV	0.099	1.2897
27	5.542	147428	19037	VV	0.112	1.2631
28	5.726	90506	9617	VV	0.129	0.7754
29	5.981	136644	15539	VV	0.122	1.1707
30	6.362	40938	3872	VV	0.137	0.3507
31	6.570	93619	7769	VV	0.162	0.8021
32	6.797	230954	47270	VV	0.074	1.9788
33	6.927	1124800	184689	VV	0.091	9.6370
34	7.269	451193	81165	VV	0.083	3.8657
35	7.509	61125	10994	VV	0.082	0.5237
36	7.622	132326	28417	VV	0.070	1.1337
37	7.732	431422	74554	VV	0.086	3.6963
38	7.982	41611	6009	VV	0.098	0.3565
39	8.246	367407	53974	VV	0.098	3.1479
40	8.332	155836	31873	VV	0.081	1.3352
41	8.481	127224	22433	VV	0.084	1.0900
42	8.678	355649	71197	VV	0.076	3.0471
43	8.836	60244	8122	VV	0.106	0.5162
44	9.042	119684	21070	VV	0.085	1.0254
45	9.208	72112	11857	VV	0.089	0.6178
46	9.452	142037	13862	VV	0.136	1.2169
47	9.595	45692	8171	VV	0.082	0.3915
48	9.715	59146	10707	VV	0.081	0.5068
49	9.805	84410	11699	VV	0.102	0.7232
50	10.038	39006	4903	VV	0.113	0.3342
51	10.215	56158	7141	VV	0.115	0.4811
52	10.452	29801	4380	VV	0.094	0.2553
53	10.580	32555	4849	VV	0.099	0.2789
54	10.706	12194	2335	VV	0.087	0.1045
55	10.798	7879	1421	VV	0.092	0.0675
56	10.987	10398	1576	VV	0.088	0.0891
57	11.087	16944	1558	VV	0.149	0.1452
58	11.454	1544	617	VV	0.042	0.0132
59	11.508	2101	664	VV	0.053	0.0180
60	11.585	5801	607	VV	0.137	0.0497
61	11.772	2239	424	VV	0.088	0.0192
62	11.875	1714	479	VV	0.060	0.0147
63	12.040	2279	482	VV	0.079	0.0195
64	12.115	1728	478	VV	0.060	0.0148
65	12.230	2429	386	VV	0.105	0.0208
66	12.330	2512	425	VV	0.086	0.0215
67	12.471	909	355	VV	0.043	0.0078
68	12.556	1914	332	VV	0.090	0.0164
69	12.662	875	377	VV	0.039	0.0075
70	12.763	1450	330	VV	0.073	0.0124
71	12.854	1630	392	VV	0.058	0.0140
72	12.998	2185	275	VV	0.132	0.0187
73	13.121	1540	310	VV	0.083	0.0132
74	13.235	622	237	VV	0.044	0.0053

Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 19
Sample Name : 5000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 01:40 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 01:56 PM
Analysis Method : GX.MTH

75	13.297	1107	320	VV	0.058	0.0095
76	13.385	1089	223	VV	0.079	0.0093
77	13.511	1967	350	VV	0.079	0.0169
78	13.669	901	239	VV	0.063	0.0077
79	13.902	2854	256	VV	0.175	0.0245
80	14.062	1006	232	PV	0.072	0.0086
81	14.176	1336	223	VV	0.085	0.0114
82	14.346	582	240	VV	0.040	0.0050
83	14.397	1613	250	VV	0.108	0.0138
84	14.601	1201	248	VV	0.081	0.0103
85	14.715	412	187	VV	0.037	0.0035
86	14.773	343	145	VV	0.039	0.0029
87	14.866	944	232	VV	0.068	0.0081
88	15.031	1344	273	PV	0.082	0.0115
89	15.183	1138	212	PV	0.074	0.0097
90	15.294	541	243	VBA	0.037	0.0046

Total area = 1.16717E+007

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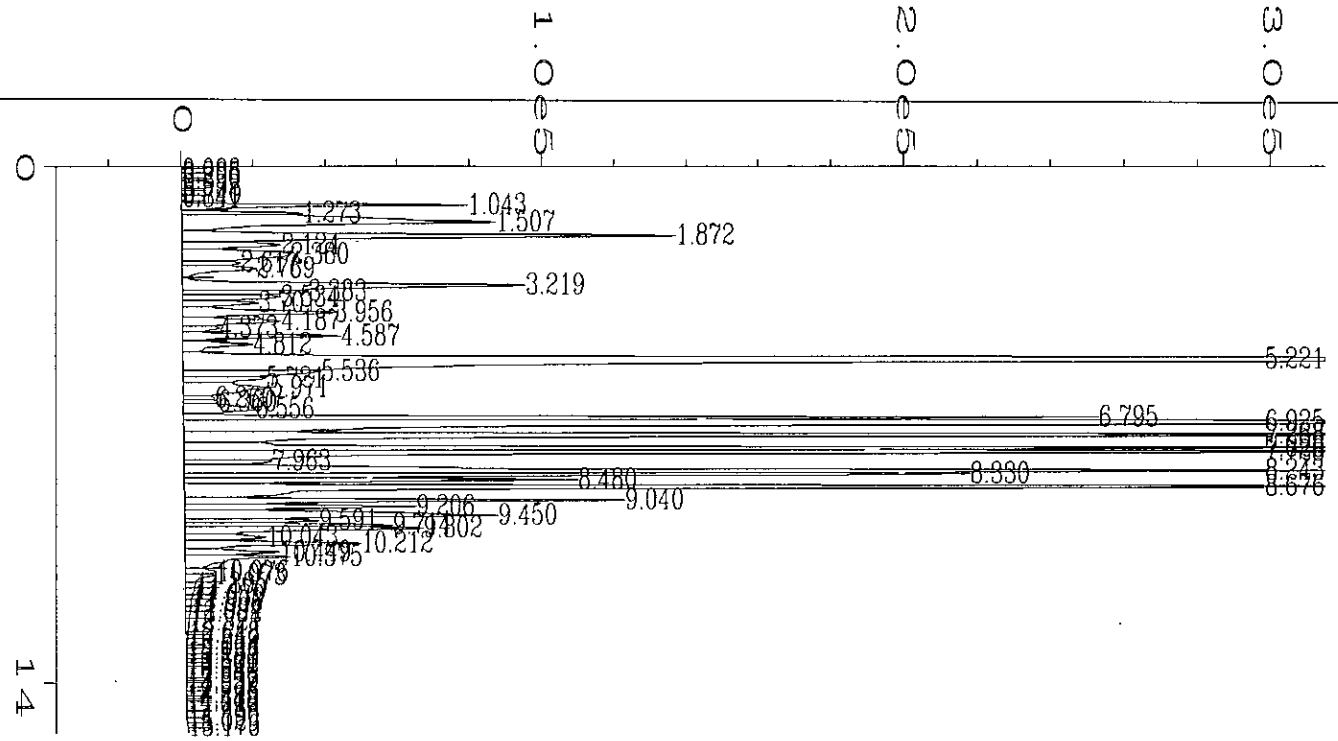

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\019R0101.D
Operator : awb
Instrument : GC2
Sample Name : 5000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:40 PM
Report Created on: 17 Aug 22 01:56 PM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\019R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.098	523	106	BV	0.077	0.0013
2	0.205	605	118	VV	0.086	0.0015
3	0.330	182	86	PV	0.035	0.0005
4	0.532	1160	171	PV	0.089	0.0029
5	0.740	1065	254	PV	0.070	0.0026
6	0.841	791	178	VV	0.066	0.0020
7	1.043	367614	80719	VV	0.069	0.9097
8	1.273	177829	33747	VV	0.080	0.4401
9	1.507	1096641	87436	VV	0.169	2.7139
10	1.872	1084086	138342	VV	0.115	2.6828
11	2.124	232530	27704	VV	0.126	0.5755
12	2.380	456691	30257	VV	0.214	1.1302
13	2.617	110634	16181	VV	0.099	0.2738
14	2.769	206459	20905	VV	0.143	0.5109
15	3.219	840449	95964	VV	0.131	2.0799
16	3.383	244101	35180	VV	0.102	0.6041
17	3.534	208076	27295	VV	0.112	0.5149
18	3.701	162805	21329	VV	0.112	0.4029
19	3.956	379208	43102	VV	0.131	0.9384
20	4.187	250153	27520	VV	0.134	0.6191

21	4.373	77923	10294	VV	0.114	0.1928
22	4.587	297512	44081	VV	0.102	0.7363
23	4.812	180410	19509	VV	0.135	0.4465
24	5.221	8074276	1236463	VV	0.097	19.9817
25	5.536	323567	38447	VV	0.140	0.8007
26	5.721	181652	23154	VV	0.109	0.4495
27	5.971	350531	24187	VV	0.190	0.8675
28	6.260	46716	8853	VV	0.088	0.1156
29	6.360	56023	9741	VV	0.083	0.1386
30	6.556	252191	20107	VV	0.194	0.6241
31	6.795	1210646	256034	VV	0.072	2.9960
32	6.925	6562717	1153973	VV	0.086	16.2410
33	7.268	2481741	449565	VV	0.083	6.1416
34	7.620	1731857	331092	VV	0.078	4.2859
35	7.728	2204344	379475	VV	0.086	5.4552
36	7.963	158379	24544	VV	0.108	0.3919
37	8.243	2055002	318666	VV	0.093	5.0856
38	8.330	1053262	218432	VV	0.080	2.6065
39	8.480	617032	109820	VV	0.083	1.5270
40	8.676	2538450	464460	VV	0.082	6.2820
41	9.040	670988	122897	VV	0.082	1.6605
42	9.206	383699	65942	VV	0.086	0.9496
43	9.450	815870	87637	VV	0.125	2.0191
44	9.591	202785	37604	VV	0.079	0.5018
45	9.714	303844	58320	VV	0.087	0.7519
46	9.802	466667	66501	VV	0.102	1.1549
47	10.043	186708	22677	VV	0.119	0.4621
48	10.212	350418	49163	VV	0.106	0.8672
49	10.449	179083	26591	VV	0.096	0.4432
50	10.575	289505	29423	VV	0.133	0.7164
51	10.976	63430	8891	VV	0.103	0.1570
52	11.073	70983	8079	VV	0.146	0.1757
53	11.305	24335	2904	VV	0.116	0.0602
54	11.470	25771	2604	VV	0.133	0.0638
55	11.639	14352	2084	VV	0.115	0.0355
56	11.806	17057	1698	VV	0.134	0.0422
57	11.994	11411	1419	VV	0.113	0.0282
58	12.082	12886	1310	VV	0.164	0.0319
59	12.321	17712	1069	VV	0.215	0.0438
60	12.648	3712	689	VV	0.084	0.0092
61	12.849	4241	500	VV	0.117	0.0105
62	13.004	2310	469	VV	0.077	0.0057
63	13.135	3307	409	VV	0.130	0.0082
64	13.239	2260	373	VV	0.101	0.0056
65	13.360	1336	295	VV	0.075	0.0033
66	13.501	1191	229	VV	0.073	0.0029
67	13.642	2786	207	VV	0.193	0.0069
68	13.897	308	134	VV	0.038	0.0008
69	13.959	206	88	VV	0.039	0.0005
70	14.032	371	113	VV	0.055	0.0009
71	14.295	425	137	PV	0.052	0.0011
72	14.389	453	167	VV	0.045	0.0011
73	14.448	398	124	VV	0.049	0.0010
74	14.518	708	126	VB	0.094	0.0018
75	14.890	250	71	BV	0.059	0.0006
76	15.029	581	103	PV	0.095	0.0014
77	15.170	217	71	PV	0.051	0.0005

Total area = 4.04084E+007

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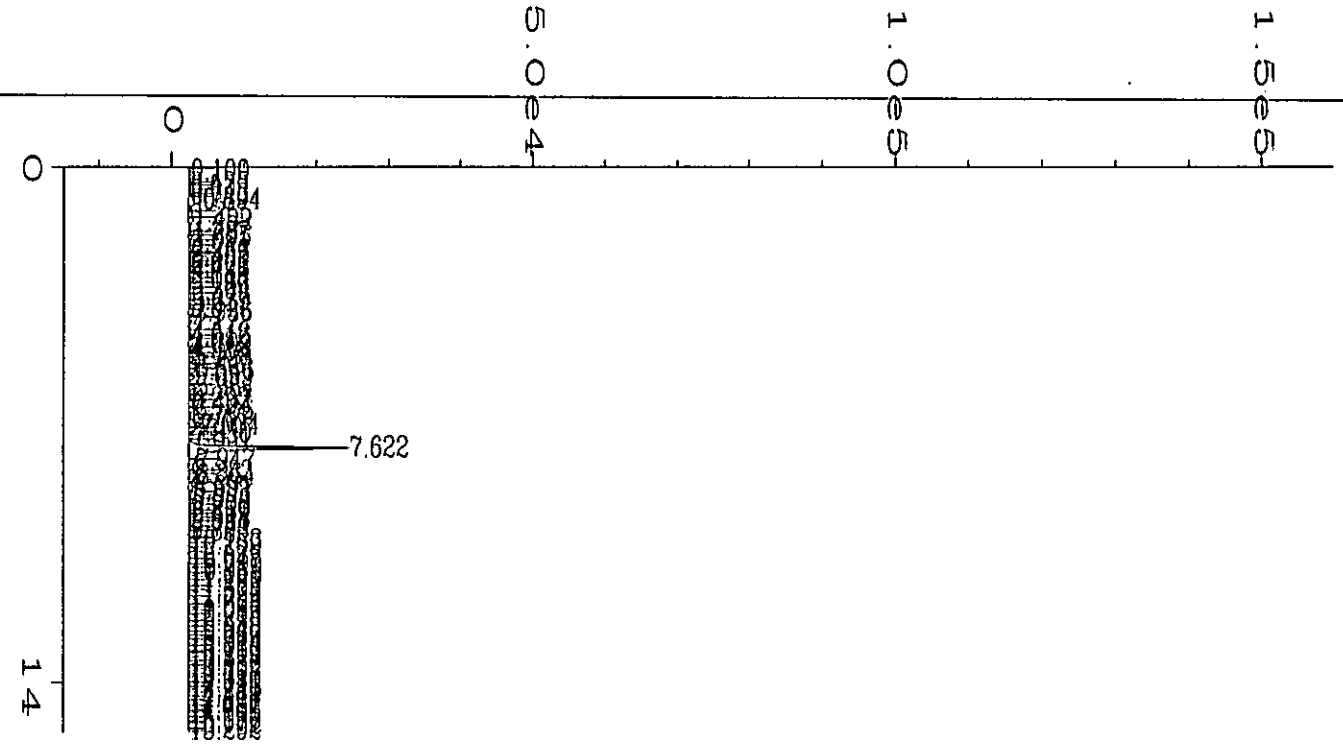
Last update on 08-17-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\019R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 19
Sample Name : 5000 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 1:40 PM
Report Created on: 17 Aug 22 01:56 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.622	132326	1.38E+05
121	PID	7.728	2204344	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
35.83 ppb	FID	3.222	172645	4.82E+03
32.66 ppb	PID	3.219	840449	2.57E+04
Toluene				
325.65 ppb	FID	5.222	1533398	4.71E+03
321.74 ppb	PID	5.221	8074276	2.51E+04
Ethylbenzene				
64.96 ppb	FID	6.797	230954	3.56E+03
63.35 ppb	PID	6.795	1210646	1.91E+04
m,p-Xylenes				
278.80 ppb	FID	6.927	1124800	4.03E+03
247.56 ppb	PID	6.925	6562717	2.65E+04
o-Xylene				
102.63 ppb	FID	7.269	451193	4.40E+03
97.30 ppb	PID	7.268	2481741	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
1.56 ppb	PID	11.073	70983	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
5519.05 ppb	FID		7140246	1.29E+03
5020.34 ppb	PID		3E+07	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-132326	1.15E+03
901.11 ppb	PID		-2204344	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\020F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:06 PM
Report Created on: 17 Aug 22 02:22 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\020F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.100	2389	198	BV	0.156	0.6194
2	0.435	371	160	VV	0.039	0.0961
3	0.529	905	192	VV	0.066	0.2346
4	0.643	971	203	PV	0.078	0.2518
5	0.743	705	219	VV	0.054	0.1828
6	0.894	22117	1913	VV	0.158	5.7337
7	1.255	4236	612	VV	0.110	1.0981
8	1.452	8441	710	VV	0.154	2.1882
9	1.787	1495	360	PV	0.064	0.3876
10	1.895	3099	543	VV	0.095	0.8035
11	2.011	2350	406	VV	0.102	0.6093
12	2.263	3172	432	PV	0.101	0.8222
13	2.333	931	339	VV	0.046	0.2412
14	2.385	815	321	VV	0.042	0.2113
15	2.463	1752	385	VV	0.076	0.4543
16	2.605	1139	283	VV	0.067	0.2954
17	2.671	795	303	VV	0.044	0.2060
18	2.723	2127	430	VV	0.083	0.5513
19	2.882	1779	317	VV	0.094	0.4612
20	3.048	1210	262	VV	0.077	0.3138

Data File Name : C:\HPCHEM\2\DATA\08-17-22\020F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:06 PM
Report Created on: 17 Aug 22 02:22 PM

Page Number : 2
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.189	1437	232	VV	0.091	0.3725
22	3.334	1556	341	VV	0.081	0.4034
23	3.478	3163	487	VV	0.099	0.8201
24	3.639	2016	352	VV	0.096	0.5225
25	3.811	948	237	VV	0.067	0.2458
26	3.936	6423	691	VV	0.123	1.6650
27	4.172	3542	520	VV	0.115	0.9183
28	4.548	1670	290	VV	0.096	0.4328
29	4.612	838	240	VV	0.052	0.2172
30	4.809	5043	641	VV	0.111	1.3072
31	4.915	715	292	VV	0.041	0.1852
32	4.988	765	265	VV	0.048	0.1982
33	5.139	2896	576	VV	0.070	0.7507
34	5.225	4929	678	VV	0.110	1.2777
35	5.421	6702	1032	VV	0.097	1.7374
36	5.546	6505	965	VV	0.090	1.6863
37	5.699	5804	843	VV	0.115	1.5047
38	5.984	7023	962	VV	0.110	1.8206
39	6.293	1961	331	VV	0.080	0.5084
40	6.402	4485	477	VV	0.157	1.1627
41	6.586	5041	825	VV	0.084	1.3069
42	6.787	2282	396	PV	0.102	0.5916
43	7.004	13110	1672	VV	0.108	3.3987
44	7.107	6549	1205	VV	0.077	1.6977
45	7.230	1677	455	VV	0.061	0.4347
46	7.331	2696	583	VV	0.069	0.6989
47	7.622	141876	22462	VV	0.092	36.7796
48	7.947	11987	951	VV	0.210	3.1076
49	8.283	3461	745	VV	0.065	0.8971
50	8.364	10807	1057	VV	0.132	2.8016
51	8.691	5597	633	VV	0.117	1.4510
52	8.832	3025	442	VV	0.114	0.7841
53	9.039	2402	431	VV	0.080	0.6227
54	9.206	2091	258	VV	0.135	0.5421
55	9.359	1059	358	VV	0.044	0.2745
56	9.411	1013	302	VV	0.056	0.2627
57	9.548	1018	267	VV	0.071	0.2639
58	9.621	1439	277	VV	0.086	0.3729
59	9.792	734	240	PV	0.051	0.1904
60	9.880	87	80	VB	0.018	0.0226
61	10.133	310	132	BV	0.039	0.0802
62	10.259	492	114	PB	0.074	0.1276
63	10.579	904	181	BV	0.083	0.2344
64	10.647	1169	163	VV	0.096	0.3031
65	10.790	715	254	VV	0.047	0.1854
66	10.962	1449	361	PV	0.067	0.3756
67	11.051	650	201	VV	0.048	0.1684
68	11.149	1059	318	VV	0.056	0.2747
69	11.282	1371	255	VV	0.071	0.3554
70	11.390	1026	249	VV	0.069	0.2660
71	11.504	753	259	VV	0.048	0.1952
72	11.590	663	209	VV	0.053	0.1718
73	11.715	1806	204	VV	0.118	0.4683
74	11.896	662	267	VV	0.041	0.1716

Data File Name : C:\HPCHEM\2\DATA\08-17-22\020F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:06 PM
Report Created on: 17 Aug 22 02:22 PM

Page Number : 3
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	11.960	592	187	VV	0.053	0.1536
76	12.083	907	303	VV	0.050	0.2351
77	12.215	1583	223	VV	0.118	0.4104
78	12.355	1160	240	VV	0.071	0.3008
79	12.545	1070	223	VV	0.078	0.2774
80	12.660	729	256	VV	0.047	0.1889
81	12.763	951	308	VV	0.051	0.2465
82	12.914	1331	222	VV	0.087	0.3451
83	13.055	1215	184	VV	0.110	0.3150
84	13.160	513	251	VV	0.034	0.1330
85	13.219	749	213	VV	0.059	0.1942
86	13.317	930	223	VV	0.065	0.2410
87	13.433	945	230	VV	0.069	0.2451
88	13.552	597	222	VV	0.045	0.1548
89	13.707	1229	221	VV	0.087	0.3187
90	13.778	670	229	VV	0.049	0.1738
91	13.910	1011	207	VV	0.082	0.2622
92	14.011	1033	246	VV	0.070	0.2678
93	14.143	956	297	VV	0.053	0.2479
94	14.225	549	243	VV	0.038	0.1424
95	14.312	855	211	VV	0.067	0.2217
96	14.408	670	170	VV	0.057	0.1737
97	14.561	1166	230	PV	0.085	0.3023
98	14.681	863	189	VV	0.076	0.2237
99	14.750	393	179	VV	0.037	0.1018
100	14.816	922	195	VV	0.079	0.2389
101	15.000	813	181	VV	0.075	0.2108
102	15.077	363	190	PV	0.032	0.0940
103	15.132	641	158	PV	0.068	0.1663
104	15.292	138	108	PBA	0.021	0.0358

Total area = 385747

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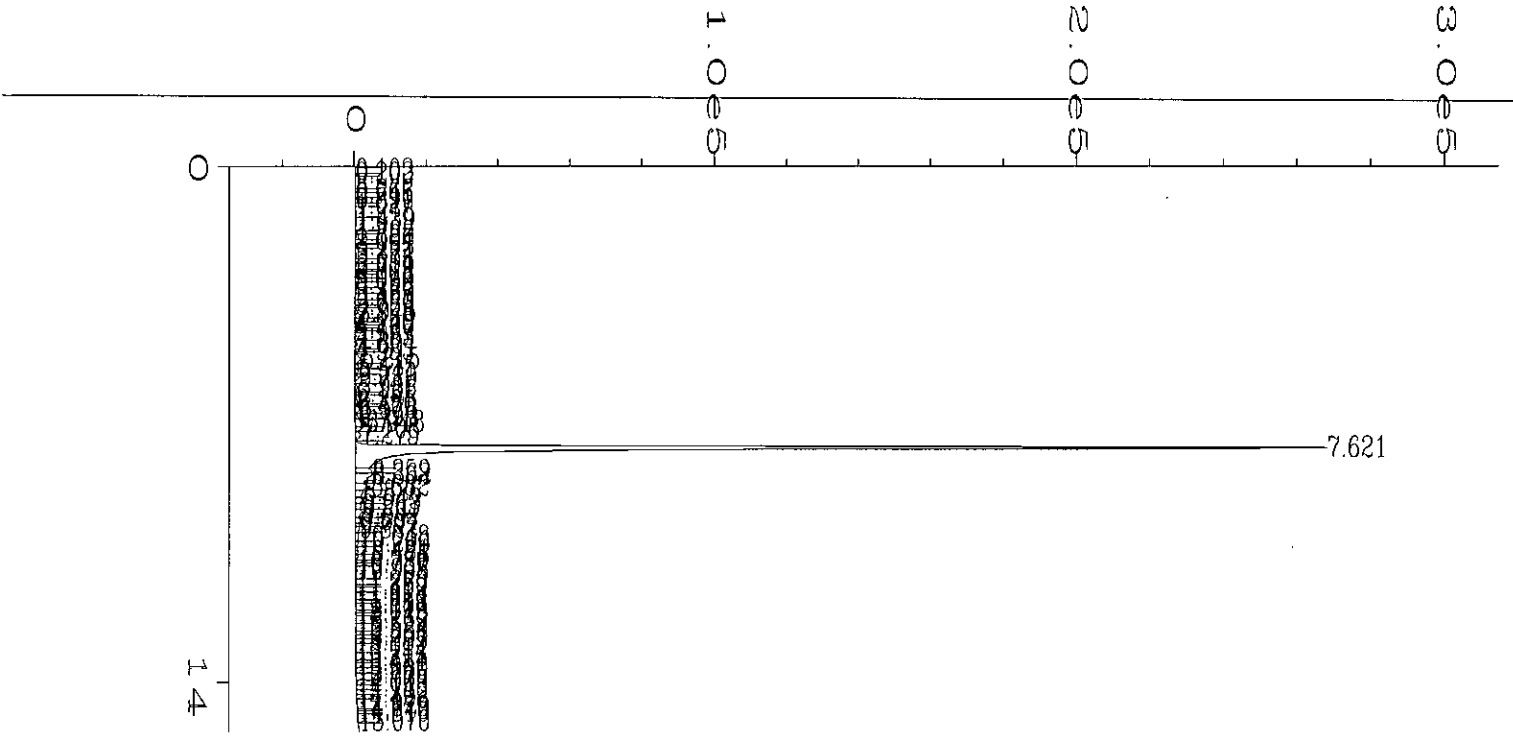

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\020R0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:06 PM
Report Created on: 17 Aug 22 02:22 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\020R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.103	429	108	BV	0.062	0.0200
2	0.202	141	85	PV	0.028	0.0066
3	0.663	293	89	PV	0.055	0.0136
4	0.745	620	112	VV	0.077	0.0288
5	0.891	1114	177	VV	0.105	0.0518
6	1.027	341	97	VV	0.059	0.0159
7	1.218	3663	351	VV	0.139	0.1704
8	1.439	4554	358	VV	0.164	0.2118
9	1.788	832	205	VV	0.064	0.0387
10	1.892	1783	279	VV	0.087	0.0829
11	2.004	746	156	VV	0.080	0.0347
12	2.153	766	167	VV	0.076	0.0356
13	2.374	2670	213	VV	0.205	0.1242
14	2.604	1006	186	VV	0.075	0.0468
15	2.719	1354	222	VV	0.086	0.0630
16	2.803	317	138	VV	0.038	0.0148
17	2.878	544	172	VV	0.053	0.0253
18	3.098	497	126	PV	0.070	0.0231
19	3.198	1274	219	VV	0.097	0.0593
20	3.357	1291	196	VV	0.092	0.0600

21	3.469	1608	211	VV	0.100	0.0748
22	3.680	750	128	VV	0.097	0.0349
23	3.769	428	138	VV	0.051	0.0199
24	3.945	5101	692	VV	0.113	0.2372
25	4.169	771	242	PV	0.054	0.0358
26	4.240	505	172	VV	0.047	0.0235
27	4.320	498	141	PV	0.055	0.0232
28	4.407	412	116	VV	0.059	0.0192
29	4.583	2031	296	VV	0.096	0.0945
30	4.804	4719	642	VV	0.102	0.2195
31	4.983	263	131	PV	0.042	0.0122
32	5.215	16753	1877	VV	0.125	0.7791
33	5.415	6245	966	VV	0.097	0.2904
34	5.541	6358	972	VV	0.093	0.2957
35	5.720	7641	1123	VV	0.104	0.3553
36	5.986	5772	776	VV	0.104	0.2684
37	6.131	500	223	VV	0.037	0.0232
38	6.385	6575	686	VV	0.128	0.3058
39	6.470	3091	726	VV	0.060	0.1438
40	6.578	9351	1306	VV	0.108	0.4349
41	6.798	4840	902	VV	0.089	0.2251
42	6.943	29976	3111	VV	0.134	1.3940
43	7.108	9737	1745	VV	0.079	0.4528
44	7.275	15916	1569	VV	0.134	0.7402
45	7.621	1706639	273391	VV	0.091	79.3688
46	8.259	32182	4649	VV	0.096	1.4967
47	8.362	60912	4775	VV	0.173	2.8328
48	8.682	33725	4223	VV	0.113	1.5684
49	8.826	19692	2148	VV	0.122	0.9158
50	9.043	16882	2073	VV	0.115	0.7851
51	9.203	13632	1721	VV	0.110	0.6340
52	9.361	20128	1810	VV	0.152	0.9361
53	9.604	11967	1497	VV	0.109	0.5565
54	9.707	5722	1158	VV	0.082	0.2661
55	9.822	8958	1102	VV	0.135	0.4166
56	10.048	9128	769	VV	0.153	0.4245
57	10.206	5989	811	VV	0.104	0.2785
58	10.461	6734	626	VV	0.150	0.3132
59	10.576	4828	648	VV	0.114	0.2245
60	10.730	1806	382	VV	0.079	0.0840
61	10.787	1210	330	VV	0.061	0.0563
62	10.958	5470	463	VV	0.153	0.2544
63	11.273	1222	211	VV	0.096	0.0568
64	11.389	487	177	VV	0.046	0.0226
65	11.492	971	163	VV	0.099	0.0451
66	11.674	1206	139	VV	0.117	0.0561
67	11.813	456	121	VV	0.057	0.0212
68	11.883	1075	182	VV	0.084	0.0500
69	12.072	522	177	VV	0.049	0.0243
70	12.145	736	194	VV	0.058	0.0342
71	12.269	2167	249	VV	0.148	0.1008
72	12.534	1611	203	VV	0.112	0.0749
73	12.666	719	162	VV	0.071	0.0334
74	12.757	848	241	VV	0.059	0.0394
75	12.885	584	133	VV	0.073	0.0271
76	13.114	827	127	PV	0.108	0.0385
77	13.315	537	89	PV	0.088	0.0250
78	13.431	258	79	VV	0.053	0.0120
79	13.550	492	136	VV	0.056	0.0229
80	13.680	593	162	VV	0.061	0.0276
81	13.775	595	99	PV	0.100	0.0277
82	14.002	718	198	VV	0.053	0.0334

83	14.143	512	125	VV	0.069	0.0238
84	14.302	466	90	PV	0.079	0.0217
85	14.423	363	70	VV	0.086	0.0169
86	14.679	1445	135	PV	0.139	0.0672
87	14.745	297	133	VV	0.037	0.0138
88	14.810	278	97	VV	0.045	0.0129
89	15.070	599	86	PV	0.147	0.0279

Total area = 2150263

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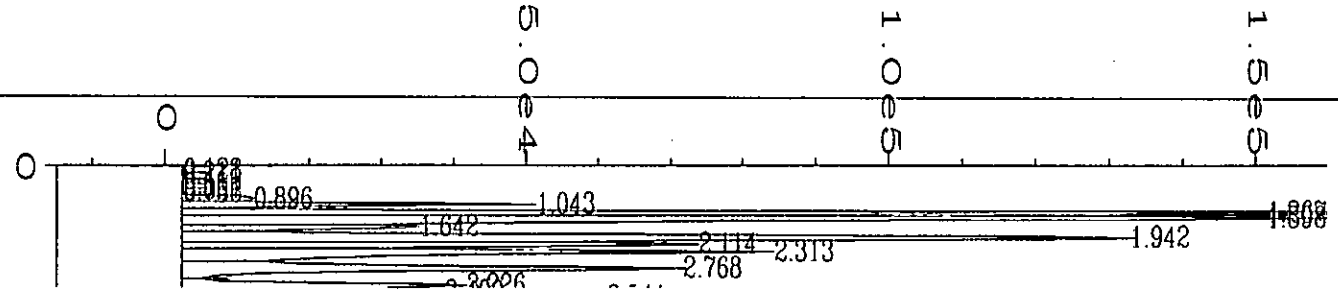
Last update on 08-17-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\020R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\020F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 20
Sample Name : rinse Injection Number : 1
Acquired on : 17-Aug-22 2:06 PM
Report Created on: 17 Aug 22 02:22 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.622	141876	1.38E+05
94	PID	7.621	1706639	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.37 ppb	FID	3.189	1779	4.82E+03
0.05 ppb	PID	3.198	1274	2.57E+04
Toluene				
1.05 ppb	FID	5.225	4929	4.71E+03
0.67 ppb	PID	5.215	16753	2.51E+04
Ethylbenzene				
0.64 ppb	FID	6.787	2282	3.56E+03
0.25 ppb	PID	6.798	4840	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
1.13 ppb	PID	6.943	29976	2.65E+04
o-Xylene				
0.61 ppb	FID	7.331	2696	4.40E+03
0.62 ppb	PID	7.275	15916	2.55E+04
Nap-PID, C12-FID				
0.25 ppb	FID	11.149	1059	4.16E+03
0.12 ppb	PID	10.958	5470	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
105.02 ppb	FID		135863	1.29E+03
47.90 ppb	PID		289414	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-141876	1.15E+03
697.65 ppb	PID		-1706639	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb
Instrument : GC2
Sample Name : 10000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 02:32 PM
Report Created on: 17 Aug 22 02:47 PM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\021F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.123	401	148	BV	0.045	0.0017
2	0.211	851	160	PB	0.088	0.0036
3	0.413	434	134	BV	0.054	0.0018
4	0.551	552	236	PV	0.039	0.0023
5	0.667	829	234	PV	0.059	0.0035
6	0.736	582	238	VV	0.041	0.0024
7	0.896	77958	9958	VV	0.126	0.3267
8	1.043	269683	49744	VV	0.080	1.1303
9	1.267	1213111	201673	VV	0.093	5.0843
10	1.398	1495968	176433	VV	0.121	6.2697
11	1.642	243468	32933	VV	0.110	1.0204
12	1.942	1345458	132010	VV	0.163	5.6389
13	2.114	571170	72071	VV	0.118	2.3938
14	2.313	806220	83070	VV	0.135	3.3789
15	2.768	744691	70147	VV	0.156	3.1211
16	3.226	350348	39522	VV	0.133	1.4683
17	3.400	259222	36491	VV	0.102	1.0864
18	3.541	487675	59420	VV	0.122	2.0439
19	3.705	374390	50808	VV	0.110	1.5691
20	3.959	705100	77091	VV	0.136	2.9551

Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 21
Sample Name : 10000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 02:32 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 02:47 PM
Analysis Method : GX.MTH

21	4.178	515704	59943	VV	0.125	2.1614
22	4.592	294374	43757	VV	0.103	1.2337
23	4.809	325168	37711	VV	0.128	1.3628
24	5.220	3227984	509856	VV	0.094	13.5288
25	5.405	380458	60119	VV	0.092	1.5945
26	5.540	352734	47552	VV	0.107	1.4783
27	5.723	215448	24053	VV	0.126	0.9030
28	5.979	342485	42175	VV	0.116	1.4354
29	6.269	45737	7889	VV	0.082	0.1917
30	6.362	48267	9015	VV	0.078	0.2023
31	6.568	242951	20308	VV	0.162	1.0182
32	6.796	494026	101403	VV	0.074	2.0705
33	6.927	2257649	396433	VV	0.086	9.4620
34	7.103	166979	33378	VV	0.074	0.6998
35	7.269	943757	170800	VV	0.084	3.9554
36	7.506	159978	28004	VV	0.084	0.6705
37	7.622	142220	33200	VV	0.071	0.5961
38	7.731	867931	152574	VV	0.085	3.6376
39	7.984	95812	13314	VV	0.107	0.4016
40	8.246	779413	114366	VV	0.098	3.2666
41	8.333	317549	65048	VV	0.081	1.3309
42	8.481	264769	46827	VV	0.083	1.1097
43	8.677	736410	149089	VV	0.075	3.0864
44	8.834	122698	16497	VV	0.106	0.5142
45	9.042	241880	43320	VV	0.084	1.0137
46	9.207	144469	24114	VV	0.087	0.6055
47	9.450	292695	29260	VV	0.133	1.2267
48	9.594	92103	16040	VV	0.083	0.3860
49	9.713	117774	22348	VV	0.078	0.4936
50	9.803	168847	24253	VV	0.101	0.7077
51	10.040	84742	10003	VV	0.121	0.3552
52	10.214	112962	15088	VV	0.112	0.4734
53	10.450	66743	9247	VV	0.105	0.2797
54	10.576	110506	10595	VV	0.140	0.4631
55	10.979	25272	3350	VV	0.109	0.1059
56	11.085	35882	3276	VV	0.144	0.1504
57	11.483	12470	1216	VV	0.171	0.0523
58	11.625	10072	985	VV	0.170	0.0422
59	11.830	11113	788	VV	0.235	0.0466
60	12.162	3584	618	VV	0.097	0.0150
61	12.309	3684	685	VV	0.078	0.0154
62	12.438	5378	568	VV	0.126	0.0225
63	12.671	3512	460	VV	0.127	0.0147
64	12.798	3988	415	VV	0.163	0.0167
65	12.961	1201	343	VV	0.058	0.0050
66	13.038	1105	399	VV	0.046	0.0046
67	13.106	3368	334	VV	0.134	0.0141
68	13.320	1532	413	VV	0.063	0.0064
69	13.405	3580	276	VV	0.216	0.0150
70	13.667	811	302	VV	0.045	0.0034
71	13.716	793	245	VV	0.054	0.0033
72	13.791	1108	331	VV	0.056	0.0046
73	13.882	968	251	VV	0.064	0.0041
74	13.986	1002	284	VV	0.056	0.0042

Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 21
Sample Name : 10000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 02:32 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 02:47 PM
Analysis Method : GX.MTH

75	14.063	1388	228	VV	0.102	0.0058
76	14.244	1111	284	VV	0.065	0.0047
77	14.434	2566	180	VV	0.238	0.0108
78	14.737	354	113	VV	0.052	0.0015
79	14.803	1199	185	VV	0.107	0.0050
80	14.988	516	166	PV	0.052	0.0022
81	15.124	682	238	PV	0.051	0.0029
82	15.251	588	111	PBA	0.082	0.0025

Total area = 2.38602E+007

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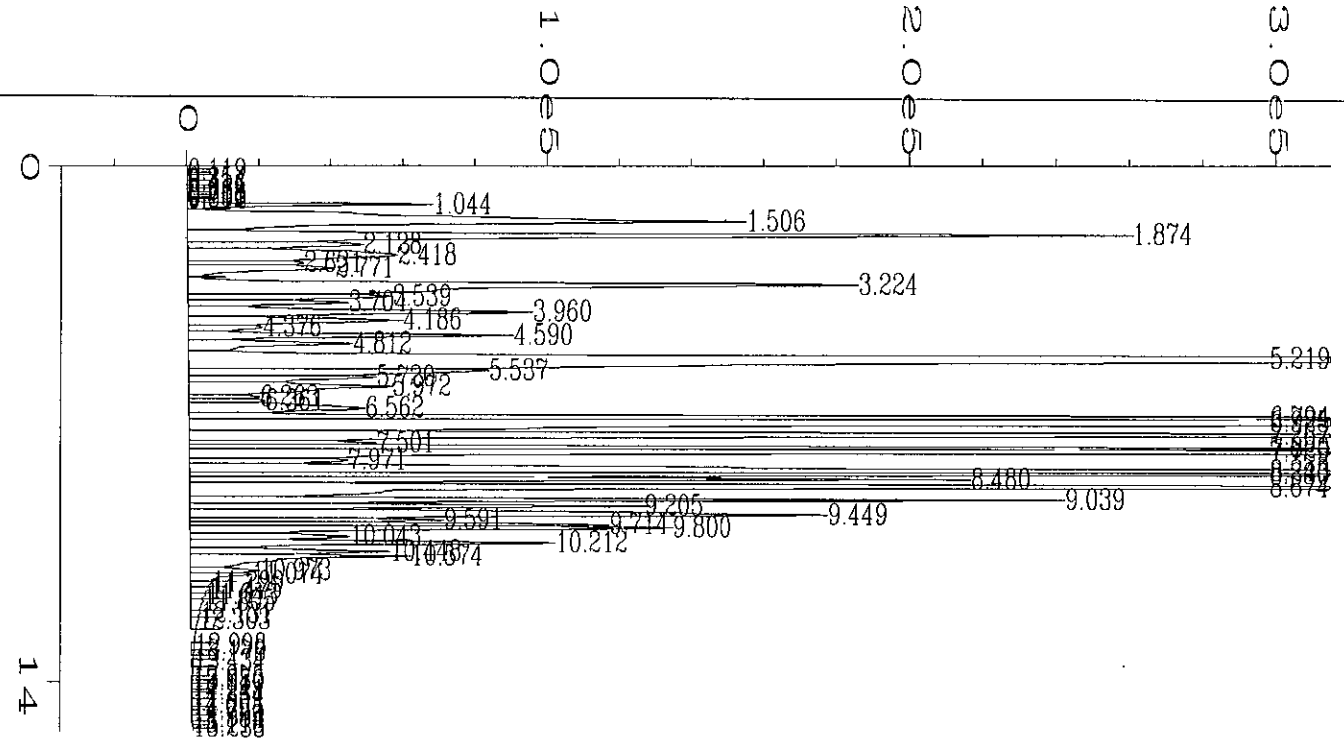

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\021R0101.D
Operator : awb
Instrument : GC2
Sample Name : 10000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 02:32 PM
Report Created on: 17 Aug 22 02:48 PM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\021R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.119	211	110	BV	0.032	0.0003
2	0.354	715	131	VV	0.091	0.0009
3	0.414	332	129	VV	0.043	0.0004
4	0.665	357	90	PV	0.066	0.0005
5	0.738	503	157	VV	0.053	0.0006
6	0.798	387	144	VV	0.045	0.0005
7	0.851	254	126	VV	0.034	0.0003
8	0.912	319	136	VV	0.039	0.0004
9	1.044	323349	69348	VV	0.071	0.4123
10	1.506	2126325	155445	VV	0.183	2.7112
11	1.874	2103413	264593	VV	0.116	2.6820
12	2.128	437239	49061	VV	0.134	0.5575
13	2.418	888723	58335	VV	0.213	1.1332
14	2.631	205173	32164	VV	0.092	0.2616
15	2.771	413730	41012	VV	0.145	0.5275
16	3.224	2132081	186382	VV	0.163	2.7185
17	3.539	446252	56889	VV	0.116	0.5690
18	3.704	337294	44748	VV	0.112	0.4301
19	3.960	838800	95751	VV	0.131	1.0695
20	4.186	536308	59688	VV	0.134	0.6838

21	4.376	159840	20750	VV	0.116	0.2038
22	4.590	605504	91014	VV	0.102	0.7720
23	4.812	421050	45830	VV	0.135	0.5369
24	5.219	1.62131E+007	2524242	VV	0.096	20.6725
25	5.537	707402	83561	VV	0.118	0.9020
26	5.720	419322	52184	VV	0.114	0.5347
27	5.972	732152	56508	VV	0.172	0.9335
28	6.263	117071	19705	VV	0.085	0.1493
29	6.361	110280	21178	VV	0.075	0.1406
30	6.562	599452	48983	VV	0.174	0.7643
31	6.794	2521696	531460	VV	0.073	3.2153
32	6.925	1.3186E+007	2322416	VV	0.086	16.8128
33	7.267	4940106	907303	VV	0.083	6.2989
34	7.501	251086	52099	VV	0.080	0.3201
35	7.620	1667195	351725	VV	0.072	2.1258
36	7.729	4109136	728072	VV	0.084	5.2393
37	7.971	315119	44100	VV	0.105	0.4018
38	8.243	4137791	646412	VV	0.093	5.2759
39	8.330	2051097	428671	VV	0.080	2.6152
40	8.480	1199254	217229	VV	0.082	1.5291
41	8.674	5007322	932772	VV	0.081	6.3846
42	9.039	1303758	243239	VV	0.081	1.6624
43	9.205	734220	130269	VV	0.083	0.9362
44	9.449	1626646	178556	VV	0.123	2.0741
45	9.591	378251	71033	VV	0.078	0.4823
46	9.714	595610	117506	VV	0.084	0.7594
47	9.800	924172	134240	VV	0.100	1.1784
48	10.043	364710	44483	VV	0.120	0.4650
49	10.212	705302	101728	VV	0.104	0.8993
50	10.448	374429	56136	VV	0.096	0.4774
51	10.574	594852	61584	VV	0.131	0.7585
52	10.973	136733	19172	VV	0.105	0.1743
53	11.074	142150	17070	VV	0.114	0.1812
54	11.299	51328	6037	VV	0.142	0.0654
55	11.475	49843	5385	VV	0.127	0.0636
56	11.643	35386	4317	VV	0.114	0.0451
57	11.805	54938	3499	VV	0.201	0.0700
58	12.131	26290	2648	VV	0.127	0.0335
59	12.303	35242	2179	VV	0.216	0.0449
60	12.998	9761	918	VV	0.177	0.0124
61	13.178	5404	755	VV	0.119	0.0069
62	13.434	6510	631	VV	0.142	0.0083
63	13.875	1544	297	VV	0.074	0.0020
64	13.980	1282	262	VV	0.082	0.0016
65	14.119	1654	210	VV	0.132	0.0021
66	14.241	655	208	VV	0.052	0.0008
67	14.364	1475	195	VV	0.102	0.0019
68	14.603	1016	111	VV	0.153	0.0013
69	14.735	601	189	VV	0.053	0.0008
70	14.785	957	202	VV	0.079	0.0012
71	14.984	296	71	PV	0.070	0.0004
72	15.118	322	105	PV	0.052	0.0004
73	15.238	256	108	PV	0.040	0.0003

Total area = 7.84284E+007

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Last update on 08-17-22 TL

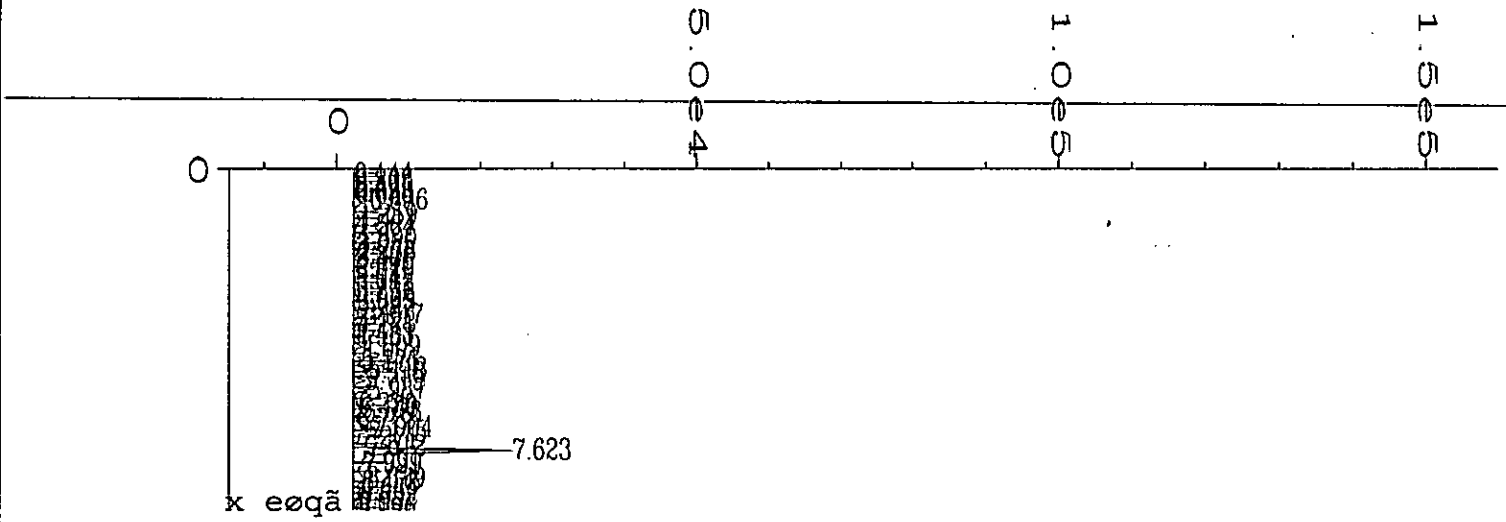
PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\021R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 21
Sample Name : 10000 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 2:32 PM
Report Created on: 17 Aug 22 02:47 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.622	142220	1.38E+05
226	PID	7.729	4109136	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
72.71 ppb	FID	3.226	350348	4.82E+03
82.85 ppb	PID	3.224	2132081	2.57E+04
Toluene				
685.54 ppb	FID	5.220	3227984	4.71E+03
646.06 ppb	PID	5.219	1.6E+07	2.51E+04
Ethylbenzene				
138.95 ppb	FID	6.796	494026	3.56E+03
131.94 ppb	PID	6.794	2521696	1.91E+04
m,p-Xylenes				
559.59 ppb	FID	6.927	2257649	4.03E+03
497.41 ppb	PID	6.925	1.3E+07	2.65E+04
o-Xylene				
214.66 ppb	FID	7.269	943757	4.40E+03
193.68 ppb	PID	7.267	4940106	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
3.13 ppb	PID	11.074	142150	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
11884.10 ppb	FID		1.5E+07	1.29E+03
9872.40 ppb	PID		6E+07	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-142220	1.15E+03
1679.76 ppb	PID		-4109136	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\022F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:58 PM
Report Created on: 17 Aug 22 03:14 PM

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\022F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.144	300	150	PV	0.037	0.0589
2	0.303	804	216	VV	0.054	0.1580
3	0.364	461	142	VV	0.054	0.0905
4	0.478	800	242	VV	0.056	0.1571
5	0.546	616	266	VV	0.039	0.1211
6	0.628	350	165	PV	0.035	0.0688
7	0.685	1128	359	VV	0.052	0.2215
8	0.856	20501	2189	VV	0.132	4.0258
9	1.259	5110	788	VV	0.085	1.0035
10	1.411	7496	919	VV	0.120	1.4721
11	1.564	2615	417	VV	0.104	0.5136
12	1.890	5835	759	VV	0.106	1.1458
13	2.055	3118	473	VV	0.099	0.6122
14	2.255	2977	581	VV	0.079	0.5846
15	2.330	1305	515	VV	0.042	0.2563
16	2.381	904	259	VV	0.058	0.1776
17	2.476	1267	291	VV	0.062	0.2489
18	2.640	1528	387	VV	0.066	0.3001
19	2.720	3710	418	VV	0.121	0.7285
20	2.947	655	199	VV	0.049	0.1286

Data File Name : C:\HPCHEM\2\DATA\08-17-22\022F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:58 PM
Report Created on: 17 Aug 22 03:14 PM

Page Number : 2
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.011	1149	280	VV	0.069	0.2257
22	3.163	1586	295	PV	0.090	0.3115
23	3.291	1023	338	VV	0.050	0.2009
24	3.372	918	369	VV	0.046	0.1803
25	3.529	4052	556	VV	0.121	0.7958
26	3.603	4192	481	VV	0.145	0.8233
27	3.787	676	277	VV	0.041	0.1327
28	3.947	11660	1587	VV	0.099	2.2898
29	4.173	3534	573	VV	0.083	0.6940
30	4.221	2171	481	VV	0.075	0.4264
31	4.483	1429	267	VV	0.089	0.2805
32	4.561	2752	444	VV	0.087	0.5404
33	4.809	9846	1285	VV	0.113	1.9335
34	5.171	8516	1113	VV	0.109	1.6724
35	5.225	5765	1095	VV	0.088	1.1322
36	5.413	14982	2134	VV	0.107	2.9422
37	5.538	11060	1870	VV	0.088	2.1720
38	5.719	11923	1639	VV	0.105	2.3415
39	5.987	13912	2002	VV	0.101	2.7321
40	6.370	5694	631	VV	0.156	1.1181
41	6.480	5052	890	VV	0.085	0.9921
42	6.578	10651	1377	VV	0.103	2.0915
43	6.773	2999	597	VV	0.070	0.5889
44	7.004	23827	3000	VV	0.108	4.6790
45	7.115	13613	2097	VV	0.095	2.6732
46	7.271	7691	922	VV	0.139	1.5103
47	7.512	7034	1908	VV	0.058	1.3814
48	7.623	142656	22341	VV	0.093	28.0143
49	7.951	3854	1328	VV	0.048	0.7568
50	7.999	12262	1394	VV	0.147	2.4079
51	8.379	19993	1877	VV	0.141	3.9261
52	8.476	7874	1185	VV	0.111	1.5462
53	8.684	7075	949	VV	0.100	1.3893
54	8.832	6897	873	VV	0.117	1.3544
55	9.051	5586	583	VV	0.141	1.0969
56	9.196	3741	599	VV	0.104	0.7347
57	9.373	6118	716	VV	0.142	1.2014
58	9.537	1745	486	VV	0.060	0.3427
59	9.616	2804	545	VV	0.086	0.5506
60	9.719	3212	512	VV	0.105	0.6308
61	9.826	2778	507	VV	0.073	0.5455
62	9.957	3562	252	VV	0.236	0.6995
63	10.255	2141	421	VV	0.078	0.4205
64	10.431	1401	268	VV	0.073	0.2751
65	10.564	2216	267	VV	0.109	0.4352
66	10.762	1056	199	VV	0.088	0.2073
67	10.944	872	188	VV	0.067	0.1713
68	11.057	444	186	VV	0.040	0.0871
69	11.127	654	143	VV	0.076	0.1284
70	11.373	466	72	PV	0.108	0.0914
71	11.786	494	145	BV	0.056	0.0971
72	11.904	1303	187	PV	0.091	0.2559
73	12.098	552	176	VV	0.052	0.1084
74	12.149	1210	155	VV	0.130	0.2376

Data File Name : C:\HPCHEM\2\DATA\08-17-22\022F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:58 PM
Report Created on: 17 Aug 22 03:14 PM

Page Number : 3
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	12.374	1235	228	VV	0.086	0.2426
76	12.494	469	166	VV	0.047	0.0922
77	12.617	735	208	VV	0.059	0.1444
78	12.779	802	195	VV	0.059	0.1574
79	12.826	806	103	VV	0.130	0.1584
80	13.003	1027	164	PV	0.105	0.2016
81	13.169	567	88	VB	0.108	0.1113
82	13.471	687	97	BV	0.093	0.1349
83	13.655	1080	227	PV	0.079	0.2122
84	13.816	1011	202	VV	0.083	0.1985
85	13.955	718	173	VV	0.070	0.1411
86	14.091	1148	168	VV	0.099	0.2255
87	14.240	1274	174	VV	0.103	0.2502
88	14.457	942	195	VV	0.072	0.1850
89	14.656	1043	185	VV	0.085	0.2048
90	14.776	539	188	VV	0.048	0.1059
91	14.847	499	137	VV	0.059	0.0979
92	15.003	1457	166	VV	0.129	0.2862
93	15.168	502	161	VV	0.049	0.0986
94	15.241	527	201	PBA	0.044	0.1035

Total area = 509224

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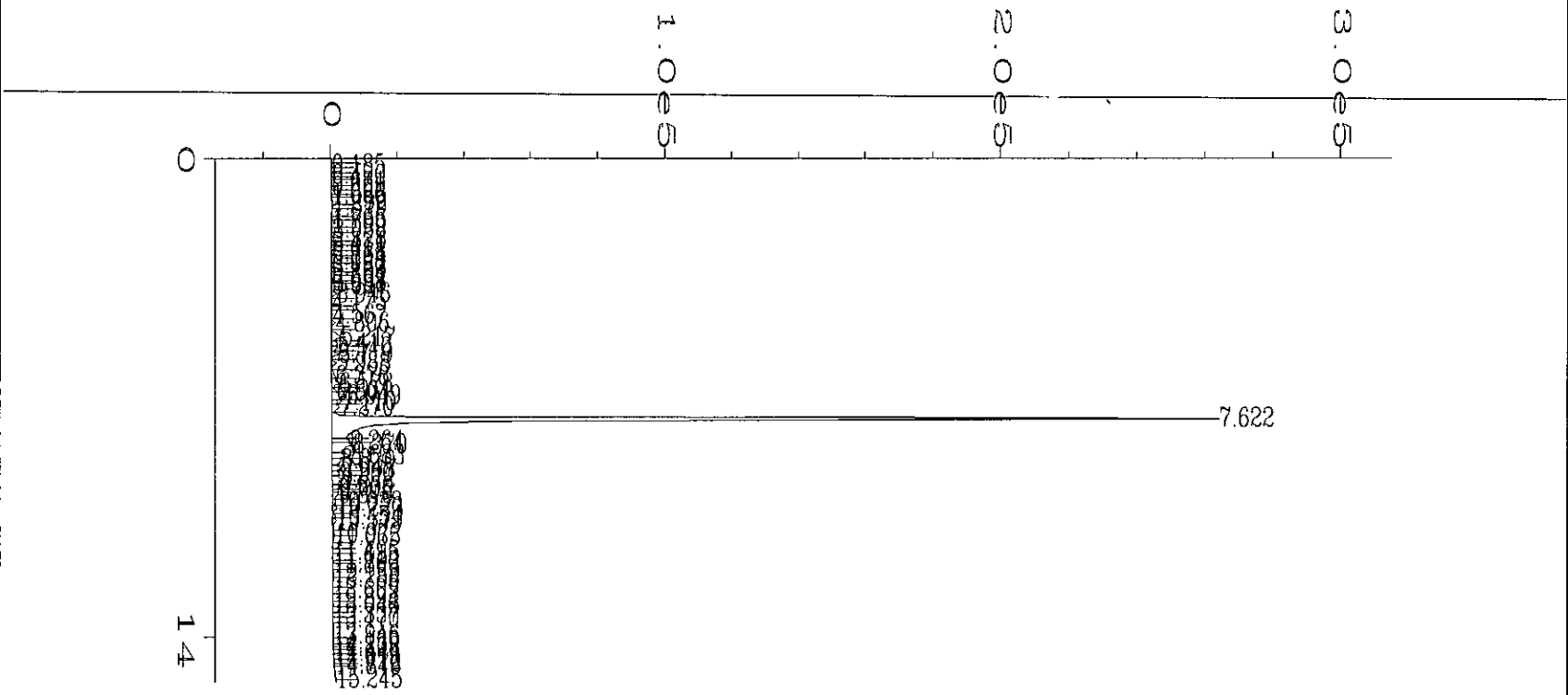

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\022R0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 02:58 PM
Report Created on: 17 Aug 22 03:14 PM

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\022R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.185	291	83	BV	0.059	0.0129
2	0.470	545	137	PV	0.059	0.0242
3	0.681	943	144	PV	0.102	0.0418
4	0.809	464	108	VV	0.072	0.0206
5	1.006	373	135	PV	0.046	0.0166
6	1.066	260	119	VV	0.036	0.0115
7	1.252	2012	286	PV	0.093	0.0893
8	1.379	487	114	PB	0.071	0.0216
9	1.765	135	66	PV	0.034	0.0060
10	1.890	2128	334	VV	0.084	0.0944
11	2.058	1058	189	VV	0.080	0.0470
12	2.328	1736	211	VV	0.109	0.0771
13	2.471	818	171	VV	0.080	0.0363
14	2.614	808	116	VV	0.116	0.0359
15	2.738	1389	184	VV	0.099	0.0616
16	2.864	479	163	VV	0.049	0.0213
17	2.998	822	145	VV	0.076	0.0365
18	3.152	1841	181	PV	0.135	0.0817
19	3.364	546	169	VV	0.051	0.0242
20	3.527	1992	259	VV	0.113	0.0884

21	3.598	805	256	VV	0.052	0.0357
22	3.694	1406	246	VV	0.095	0.0624
23	3.946	10795	1487	VV	0.106	0.4792
24	4.175	2264	325	VV	0.092	0.1005
25	4.567	2415	357	VV	0.100	0.1072
26	4.806	8204	1129	PV	0.112	0.3642
27	5.217	29782	2927	VV	0.138	1.3220
28	5.413	12792	1821	VV	0.105	0.5678
29	5.540	11424	1791	VV	0.094	0.5071
30	5.719	13928	2088	VV	0.099	0.6183
31	5.988	9889	1390	VV	0.102	0.4390
32	6.378	10297	1029	VV	0.137	0.4571
33	6.578	22021	2153	VV	0.141	0.9775
34	6.804	7504	1397	VV	0.081	0.3331
35	6.949	45864	4474	VV	0.144	2.0359
36	7.110	16412	2957	VV	0.081	0.7285
37	7.270	22836	2225	VV	0.133	1.0137
38	7.622	1670710	267850	VV	0.092	74.1623
39	8.264	33993	5272	VV	0.091	1.5089
40	8.370	77106	6240	VV	0.168	3.4227
41	8.683	38876	5389	VV	0.104	1.7257
42	8.830	23867	2652	VV	0.123	1.0594
43	9.047	20690	2587	VV	0.117	0.9184
44	9.200	14822	2089	VV	0.097	0.6579
45	9.372	30966	2604	VV	0.158	1.3746
46	9.600	14581	2083	VV	0.101	0.6472
47	9.705	9202	1714	VV	0.079	0.4085
48	9.816	15637	1828	VV	0.118	0.6941
49	10.038	7844	911	VV	0.114	0.3482
50	10.223	11764	1380	VV	0.119	0.5222
51	10.454	5908	983	VV	0.088	0.2623
52	10.579	10004	1044	VV	0.129	0.4441
53	10.972	2716	461	VV	0.083	0.1206
54	11.065	2080	363	VV	0.095	0.0923
55	11.495	283	76	BV	0.062	0.0126
56	11.615	559	109	VV	0.086	0.0248
57	11.792	442	150	VV	0.049	0.0196
58	11.860	664	99	VV	0.126	0.0295
59	12.139	2193	278	VV	0.106	0.0973
60	12.286	2537	300	VV	0.141	0.1126
61	12.609	723	120	PV	0.082	0.0321
62	12.894	802	106	VV	0.140	0.0356
63	13.043	869	177	VV	0.071	0.0386
64	13.337	500	97	PV	0.072	0.0222
65	13.470	394	77	VV	0.085	0.0175
66	13.946	1352	66	VV	0.343	0.0600
67	14.130	791	127	PV	0.085	0.0351
68	14.232	232	68	VV	0.057	0.0103
69	14.308	255	84	VV	0.051	0.0113
70	14.444	392	91	PV	0.061	0.0174
71	14.618	351	71	VV	0.082	0.0156
72	14.772	414	103	PV	0.067	0.0184
73	14.846	156	67	VV	0.039	0.0069
74	15.245	339	47	PV	0.167	0.0151

Total area = 2252775

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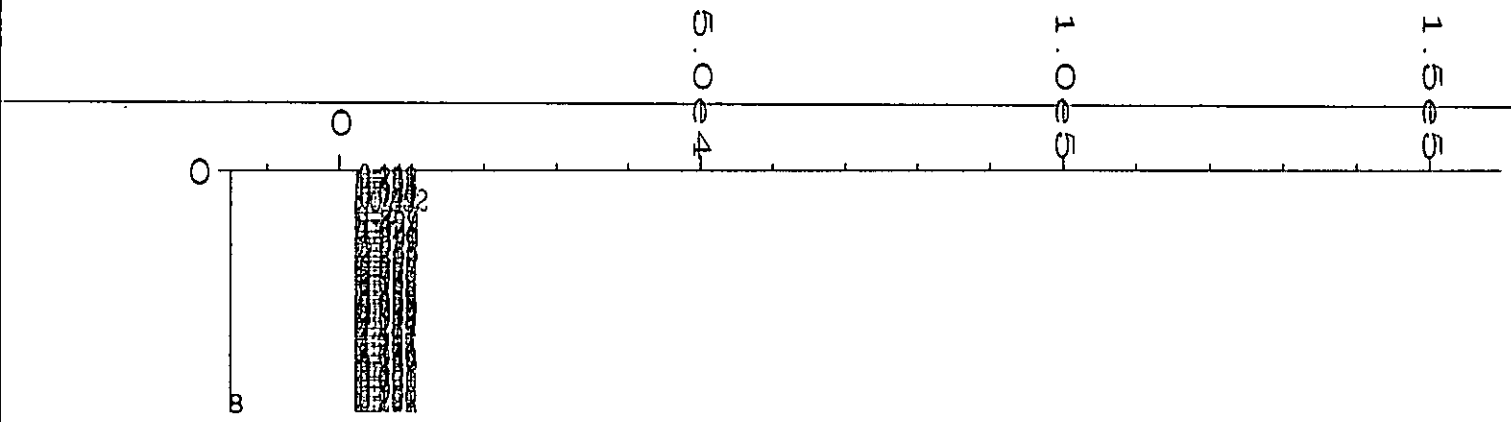
Last update on 08-17-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\022R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\022F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 22
Sample Name : rinse Injection Number : 1
Acquired on : 17-Aug-22 2:58 PM
Report Created on: 17 Aug 22 03:14 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.623	142656	1.38E+05
92	PID	7.622	1670710	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.33 ppb	FID	3.291	1586	4.82E+03
0.07 ppb	PID	3.152	1841	2.57E+04
Toluene				
1.81 ppb	FID	5.225	8516	4.71E+03
1.19 ppb	PID	5.217	29782	2.51E+04
Ethylbenzene				
0.84 ppb	FID	6.773	2999	3.56E+03
0.39 ppb	PID	6.804	7504	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
1.73 ppb	PID	6.949	45864	2.65E+04
o-Xylene				
1.75 ppb	FID	7.271	7691	4.40E+03
0.90 ppb	PID	7.270	22836	2.55E+04
Nap-PID, C12-FID				
0.16 ppb	FID	11.127	654	4.16E+03
0.06 ppb	PID	11.065	2716	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
189.00 ppb	FID		244513	1.29E+03
67.33 ppb	PID		406859	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-142656	1.15E+03
682.96 ppb	PID		-1670710	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\023F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 03:25 PM
Report Created on: 17 Aug 22 03:40 PM

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\023F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.141	747	203	BV	0.055	0.2094
2	0.232	1058	253	VV	0.070	0.2964
3	0.403	1194	318	VV	0.063	0.3344
4	0.524	1666	362	VV	0.067	0.4666
5	0.630	982	265	PV	0.062	0.2750
6	0.741	1125	368	VV	0.056	0.3151
7	0.852	18148	1862	VV	0.138	5.0844
8	1.257	4136	508	VV	0.108	1.1588
9	1.399	1732	579	VV	0.053	0.4853
10	1.452	4630	515	VV	0.150	1.2971
11	1.674	2098	297	VV	0.110	0.5878
12	1.890	3061	593	VV	0.078	0.8576
13	2.077	3502	429	VV	0.122	0.9811
14	2.255	3038	550	VV	0.081	0.8510
15	2.392	1542	332	VV	0.077	0.4320
16	2.508	2230	321	VV	0.116	0.6247
17	2.657	871	371	VV	0.039	0.2440
18	2.770	2044	354	VV	0.080	0.5726
19	2.836	573	267	VV	0.036	0.1604
20	2.922	1455	337	VV	0.072	0.4076

$L_{\pi\spadesuit}$

Data File Name : C:\HPCHEM\2\DATA\08-17-22\023F0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 03:25 PM
Report Created on: 17 Aug 22 03:40 PM

Page Number : 2
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.022	962	325	VV	0.051	0.2695
22	3.106	2346	335	VV	0.117	0.6573
23	3.305	866	271	VV	0.048	0.2426
24	3.360	654	265	VV	0.041	0.1831
25	3.453	1141	370	VV	0.051	0.3197
26	3.558	2219	445	VV	0.083	0.6218
27	3.627	808	276	VV	0.049	0.2264
28	3.695	1278	427	VV	0.047	0.3580
29	3.755	1044	246	VV	0.071	0.2925
30	3.836	849	299	VV	0.047	0.2378
31	3.934	2239	445	VV	0.080	0.6272
32	4.016	1110	329	VV	0.056	0.3111
33	4.174	2657	359	VV	0.123	0.7445
34	4.289	2211	225	VV	0.164	0.6195
35	4.491	1202	269	VV	0.074	0.3368
36	4.584	1151	304	VV	0.063	0.3224
37	4.717	1159	255	VV	0.076	0.3247
38	4.784	2972	231	VV	0.214	0.8326
39	5.040	955	240	VV	0.058	0.2676
40	5.148	1376	481	VV	0.048	0.3856
41	5.197	1159	399	VV	0.048	0.3248
42	5.257	1382	407	VV	0.057	0.3873
43	5.352	1446	350	VV	0.069	0.4050
44	5.457	2785	378	VV	0.098	0.7803
45	5.601	1066	321	VV	0.055	0.2988
46	5.730	3044	379	VV	0.128	0.8529
47	5.988	3713	333	VV	0.157	1.0404
48	6.150	817	246	VV	0.055	0.2290
49	6.251	4440	250	VV	0.220	1.2440
50	6.580	3083	371	VV	0.113	0.8638
51	6.751	1016	292	VV	0.058	0.2848
52	7.008	13436	814	VV	0.216	3.7643
53	7.384	891	306	VV	0.049	0.2496
54	7.625	135159	21769	VV	0.091	37.8663
55	7.952	15243	933	VV	0.272	4.2706
56	8.376	9771	1035	VV	0.122	2.7376
57	8.691	6008	552	VV	0.181	1.6832
58	8.833	3723	645	VV	0.080	1.0431
59	8.950	1138	403	VV	0.047	0.3189
60	9.057	5727	415	VV	0.230	1.6046
61	9.365	3911	489	VV	0.115	1.0957
62	9.614	3701	408	VV	0.127	1.0368
63	9.671	1700	381	VV	0.074	0.4762
64	9.764	2829	355	VV	0.133	0.7925
65	9.968	1982	308	VV	0.094	0.5554
66	10.134	2813	337	VV	0.122	0.7880
67	10.352	1713	200	VV	0.143	0.4800
68	10.522	1537	251	VV	0.102	0.4305
69	10.669	1584	284	VV	0.093	0.4439
70	10.954	2458	260	VV	0.124	0.6887
71	11.039	1295	234	VV	0.092	0.3629
72	11.164	1017	258	VV	0.066	0.2848
73	11.263	756	213	VV	0.059	0.2117
74	11.361	1162	237	VV	0.082	0.3256

Data File Name : C:\HPCHEM\2\DATA\08-17-22\023F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 23
Sample Name : rinse
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 03:25 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 03:40 PM
Analysis Method : GX.MTH

75	11.483	1702	299	VV	0.095	0.4767
76	11.655	2002	215	VV	0.156	0.5609
77	11.893	1036	204	VV	0.084	0.2903
78	11.974	644	168	VV	0.064	0.1803
79	12.053	607	188	VV	0.054	0.1700
80	12.149	1042	268	VV	0.057	0.2919
81	12.225	493	198	VV	0.041	0.1381
82	12.296	1203	261	VV	0.077	0.3370
83	12.399	601	209	VV	0.048	0.1684
84	12.448	482	202	VV	0.040	0.1350
85	12.544	1191	240	VV	0.076	0.3336
86	12.638	1220	257	VV	0.074	0.3419
87	12.739	1237	167	VV	0.123	0.3465
88	12.896	1166	201	PV	0.078	0.3268
89	13.023	811	293	VV	0.046	0.2272
90	13.108	1458	225	VV	0.108	0.4085
91	13.267	440	250	VV	0.029	0.1232
92	13.321	944	243	VV	0.065	0.2645
93	13.430	527	188	VV	0.047	0.1477
94	13.522	771	227	VV	0.057	0.2161
95	13.589	353	136	VV	0.043	0.0989
96	13.651	413	154	VV	0.045	0.1156
97	13.710	884	319	VV	0.046	0.2476
98	13.820	684	214	VV	0.053	0.1916
99	13.904	1051	191	VV	0.092	0.2943
100	14.040	441	149	VV	0.049	0.1235
101	14.135	931	138	VV	0.112	0.2608
102	14.355	1376	180	VV	0.132	0.3856
103	14.522	412	118	VV	0.058	0.1153
104	14.652	344	107	VV	0.063	0.0963
105	14.707	190	83	PV	0.038	0.0533
106	14.774	534	212	VV	0.042	0.1497
107	14.895	663	111	VV	0.080	0.1856
108	15.080	546	196	VV	0.050	0.1531

Total area = 356937

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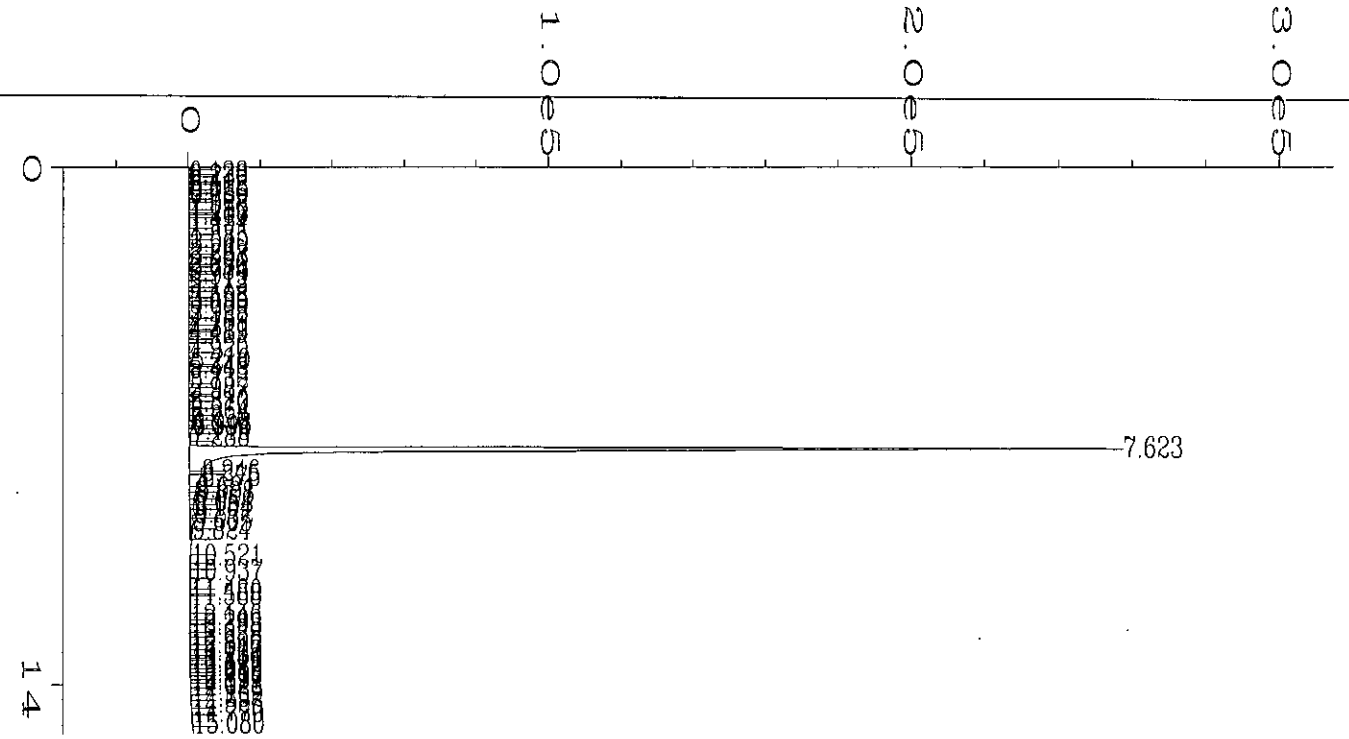

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\023R0101.D
Operator : awb
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 17 Aug 22 03:25 PM
Report Created on: 17 Aug 22 03:41 PM

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\023R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.138	367	108	BV	0.052	0.0200
2	0.229	222	75	VV	0.049	0.0121
3	0.412	245	90	VV	0.046	0.0134
4	0.523	728	149	VV	0.078	0.0397
5	0.656	319	110	PV	0.048	0.0174
6	0.739	922	161	VV	0.080	0.0503
7	1.038	1340	172	VV	0.110	0.0731
8	1.183	487	116	VV	0.070	0.0266
9	1.256	398	166	VV	0.040	0.0217
10	1.317	524	127	VV	0.069	0.0286
11	1.454	2869	252	VV	0.143	0.1565
12	1.885	1053	201	VV	0.080	0.0574
13	2.040	1311	182	VV	0.111	0.0715
14	2.267	1651	226	VV	0.110	0.0900
15	2.382	669	187	VV	0.060	0.0365
16	2.596	1028	135	VV	0.143	0.0561
17	2.652	398	156	VV	0.043	0.0217
18	2.784	737	139	VV	0.088	0.0402
19	2.919	853	141	VV	0.101	0.0465
20	3.113	411	84	PB	0.073	0.0224

21	3.498	380	124	BV	0.057	0.0207
22	3.555	339	124	VV	0.042	0.0185
23	3.685	484	130	PV	0.055	0.0264
24	3.925	2222	283	PV	0.102	0.1212
25	4.169	845	150	VV	0.083	0.0461
26	4.321	547	147	PV	0.057	0.0298
27	4.419	344	133	VV	0.043	0.0187
28	4.489	1081	142	VV	0.134	0.0589
29	4.920	1425	169	PV	0.134	0.0777
30	5.210	6251	742	PV	0.113	0.3409
31	5.348	595	236	VV	0.042	0.0325
32	5.443	1651	256	VV	0.107	0.0900
33	5.732	4050	373	VV	0.137	0.2209
34	5.987	1502	206	VV	0.101	0.0819
35	6.310	1523	367	PV	0.069	0.0830
36	6.370	3482	445	VV	0.120	0.1899
37	6.564	2321	326	VV	0.107	0.1266
38	6.826	1565	307	VV	0.085	0.0853
39	6.948	5780	1038	VV	0.085	0.3152
40	6.994	3701	966	VV	0.064	0.2018
41	7.118	4305	684	VV	0.088	0.2348
42	7.288	3659	478	VV	0.103	0.1996
43	7.623	1602503	260328	VV	0.091	87.4010
44	8.246	18355	3212	VV	0.095	1.0011
45	8.375	49077	3524	VV	0.185	2.6767
46	8.681	16637	2042	VV	0.136	0.9074
47	8.828	15970	1655	VV	0.129	0.8710
48	9.054	10796	1208	VV	0.125	0.5888
49	9.184	7018	1066	VV	0.096	0.3827
50	9.372	14827	1301	VV	0.153	0.8087
51	9.605	13130	1032	VV	0.170	0.7161
52	9.824	7791	670	VV	0.153	0.4249
53	10.521	1598	183	VB	0.145	0.0871
54	10.937	752	129	VV	0.097	0.0410
55	11.480	212	79	PV	0.044	0.0116
56	11.588	178	97	PV	0.031	0.0097
57	12.146	1241	177	VV	0.112	0.0677
58	12.293	924	180	VV	0.076	0.0504
59	12.398	1279	151	VV	0.111	0.0698
60	12.638	492	124	PV	0.062	0.0268
61	12.896	369	56	PV	0.129	0.0201
62	13.013	764	183	PV	0.076	0.0417
63	13.103	350	105	VV	0.059	0.0191
64	13.264	170	91	PV	0.039	0.0093
65	13.319	142	71	VV	0.033	0.0077
66	13.425	301	70	VV	0.071	0.0164
67	13.520	194	87	VV	0.037	0.0106
68	13.640	402	132	VV	0.056	0.0219
69	13.708	370	128	VV	0.048	0.0202
70	13.817	318	117	PV	0.045	0.0173
71	13.897	209	81	PV	0.043	0.0114
72	14.028	341	88	VV	0.066	0.0186
73	14.185	513	139	VV	0.066	0.0280
74	14.352	369	100	PV	0.058	0.0201
75	14.525	128	52	PV	0.041	0.0070
76	14.770	687	128	PV	0.089	0.0375
77	15.080	520	74	PV	0.102	0.0284

Total area = 1833507

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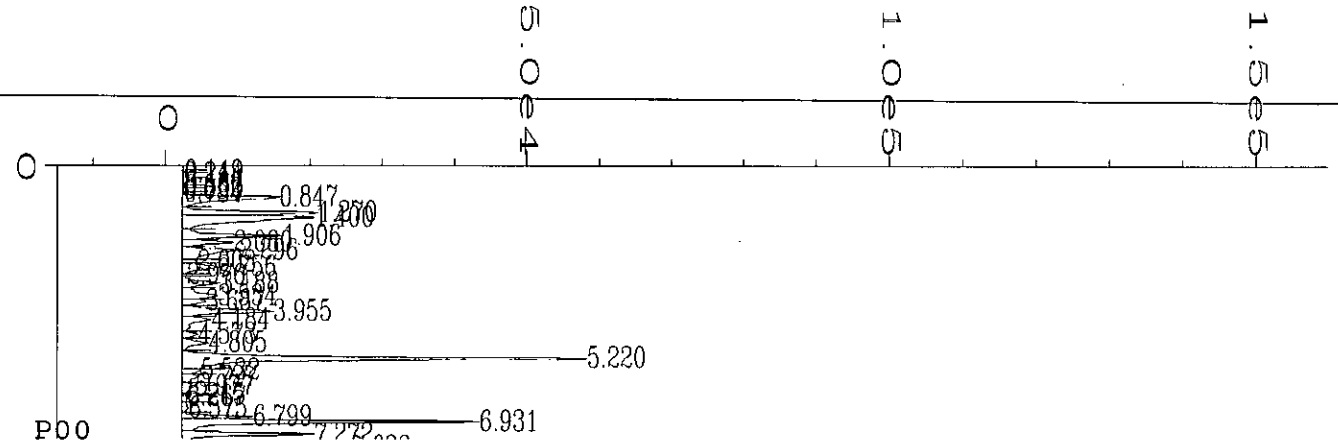
Last update on 08-17-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\023R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\023F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 23
Sample Name : rinse Injection Number : 1
Acquired on : 17-Aug-22 3:25 PM
Report Created on: 17 Aug 22 03:40 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
98	FID	7.625	135159	1.38E+05
88	PID	7.623	1602503	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.49 ppb	FID	3.106	2346	4.82E+03
0.03 ppb	PID	3.113	853	2.57E+04
Toluene				
0.29 ppb	FID	5.257	1382	4.71E+03
0.25 ppb	PID	5.210	6251	2.51E+04
Ethylbenzene				
0.29 ppb	FID	6.751	1016	3.56E+03
0.08 ppb	PID	6.826	1565	1.91E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	4.03E+03
0.22 ppb	PID	6.994	5780	2.65E+04
o-Xylene				
0.00 ppb	FID	0.000	0	4.40E+03
0.14 ppb	PID	7.288	3659	2.55E+04
Nap-PID, C12-FID				
0.24 ppb	FID	11.164	1017	4.16E+03
0.02 ppb	PID	10.937	752	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
79.89 ppb	FID		103360	1.29E+03
24.58 ppb	PID		148502	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-135159	1.15E+03
655.08 ppb	PID		-1602503	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 66-35D
Run Time Bar Code:
Acquired on : 17 Aug 22 03:52 PM
Report Created on: 17 Aug 22 04:07 PM

Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\024F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.149	503	310	BV	0.027	0.0206
2	0.214	986	209	PV	0.079	0.0403
3	0.468	1605	309	PV	0.087	0.0656
4	0.563	796	296	VV	0.045	0.0326
5	0.652	751	175	VV	0.072	0.0307
6	0.734	717	258	VV	0.046	0.0293
7	0.847	108132	13603	VV	0.115	4.4207
8	1.270	117030	18944	VV	0.095	4.7845
9	1.400	198214	18433	VV	0.147	8.1034
10	1.906	89552	14004	VV	0.096	3.6611
11	2.080	47660	7143	VV	0.100	1.9484
12	2.296	84707	8011	VV	0.143	3.4630
13	2.603	10794	2175	VV	0.083	0.4413
14	2.756	46537	5033	VV	0.138	1.9025
15	2.976	2266	632	VV	0.060	0.0926
16	3.188	43878	5288	VV	0.122	1.7938
17	3.534	50383	4906	VV	0.141	2.0598
18	3.687	24686	3346	VV	0.113	1.0092
19	3.955	104185	12801	VV	0.124	4.2593
20	4.184	41728	4029	VV	0.144	1.7059

Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 66-35D
Run Time Bar Code:
Acquired on : 17 Aug 22 03:52 PM
Report Created on: 17 Aug 22 04:07 PM

Page Number : 2
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.573	16130	2208	VV	0.100	0.6594
22	4.805	31082	3738	VV	0.119	1.2707
23	5.220	412436	57279	VV	0.105	16.8613
24	5.532	18411	2654	VV	0.094	0.7527
25	5.727	21384	2344	VV	0.120	0.8742
26	5.977	19712	1777	VV	0.147	0.8059
27	6.215	1987	663	VV	0.053	0.0812
28	6.267	6036	719	VV	0.140	0.2468
29	6.575	10635	889	VV	0.160	0.4348
30	6.799	47121	9893	VV	0.073	1.9264
31	6.931	245728	41478	VV	0.089	10.0459
32	7.272	106944	18684	VV	0.086	4.3721
33	7.623	162937	23745	VV	0.098	6.6612
34	7.969	7396	1188	VV	0.104	0.3023
35	8.153	11336	2869	VV	0.058	0.4634
36	8.250	98477	11104	VV	0.122	4.0259
37	8.486	25641	4404	VV	0.085	1.0483
38	8.681	80309	14785	VV	0.082	3.2832
39	8.862	7028	1287	VV	0.091	0.2873
40	9.045	23523	4215	VV	0.083	0.9617
41	9.206	12941	1989	VV	0.095	0.5291
42	9.391	11642	2045	VV	0.080	0.4759
43	9.457	12221	2355	VV	0.086	0.4996
44	9.597	7966	1350	VV	0.098	0.3257
45	9.714	9013	1601	VV	0.095	0.3685
46	9.813	11055	1612	VV	0.114	0.4520
47	10.038	4952	612	VV	0.109	0.2024
48	10.215	6546	887	VV	0.107	0.2676
49	10.465	3768	470	VV	0.104	0.1541
50	10.585	3926	537	VV	0.096	0.1605
51	10.767	1784	304	VV	0.087	0.0729
52	10.921	390	167	VV	0.039	0.0160
53	10.976	384	186	VV	0.034	0.0157
54	11.056	538	225	VV	0.040	0.0220
55	11.102	288	155	VV	0.031	0.0118
56	11.162	346	226	PV	0.025	0.0141
57	11.218	469	166	PB	0.047	0.0192
58	11.481	321	135	BV	0.040	0.0131
59	11.553	327	114	PV	0.048	0.0134
60	11.623	445	223	PV	0.033	0.0182
61	11.684	690	211	VV	0.054	0.0282
62	11.760	545	202	VV	0.045	0.0223
63	11.831	755	163	VV	0.077	0.0309
64	11.976	905	312	VV	0.048	0.0370
65	12.044	1155	181	VV	0.106	0.0472
66	12.191	559	219	VV	0.043	0.0228
67	12.280	1056	304	PV	0.051	0.0432
68	12.372	418	216	VV	0.032	0.0171
69	12.455	1081	238	VV	0.070	0.0442
70	12.548	275	127	VV	0.036	0.0112
71	12.642	1106	265	VV	0.069	0.0452
72	12.729	613	196	VV	0.052	0.0251
73	12.838	1305	230	VV	0.090	0.0533
74	12.971	626	198	VV	0.053	0.0256

Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 24
Sample Name : 1000 GX 66-35D
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 03:52 PM
Instrument Method: GX.MTH
Report Created on: 17 Aug 22 04:07 PM
Analysis Method : GX.MTH

75	13.041	724	142	VV	0.085	0.0296
76	13.159	2307	196	VV	0.151	0.0943
77	13.436	969	198	VV	0.081	0.0396
78	13.582	647	202	VV	0.053	0.0264
79	13.643	1817	198	VV	0.153	0.0743
80	13.895	839	205	VV	0.068	0.0343
81	14.002	512	199	VV	0.041	0.0209
82	14.106	1206	182	VV	0.101	0.0493
83	14.232	1144	224	PV	0.085	0.0468
84	14.359	835	221	PV	0.063	0.0341
85	14.466	712	237	PV	0.050	0.0291
86	14.607	1508	224	VV	0.112	0.0617
87	14.768	1651	170	VV	0.162	0.0675
88	15.131	1408	169	PV	0.159	0.0576

Total area = 2446050

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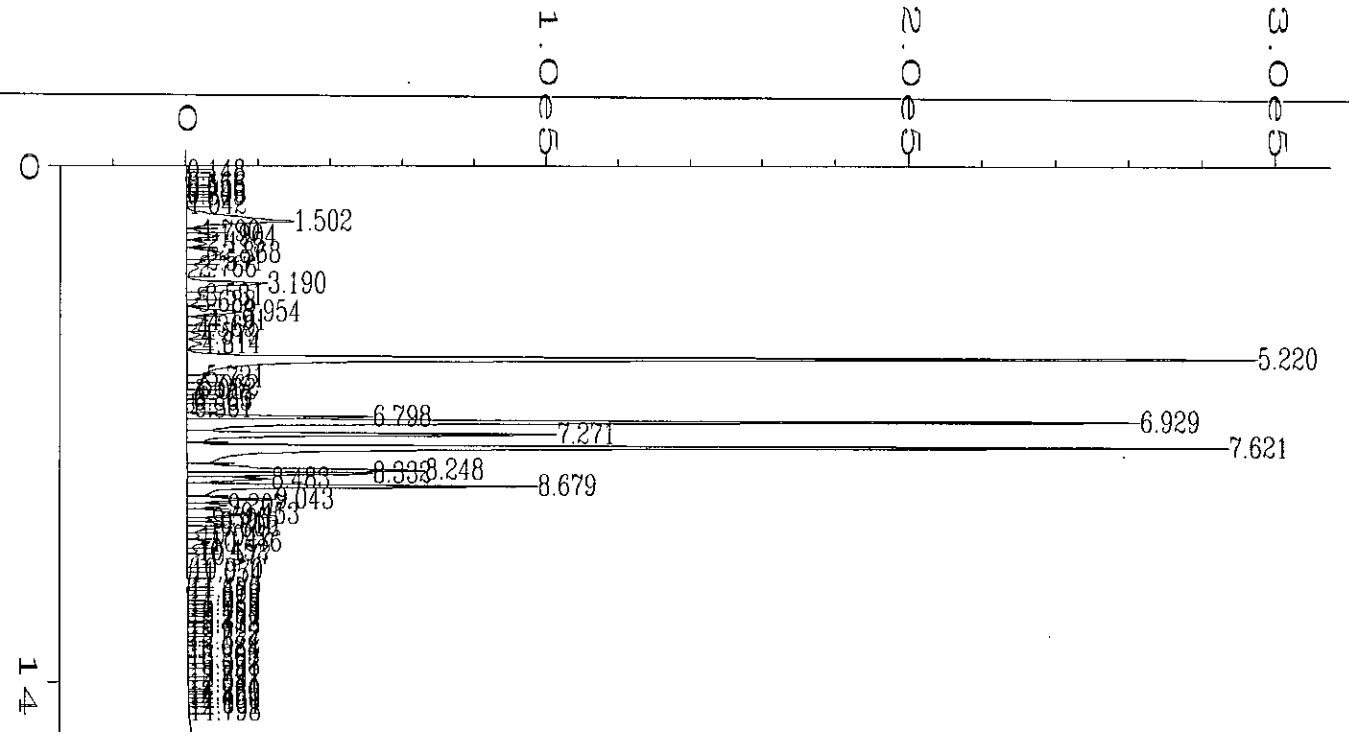

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\024R0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 66-35D
Run Time Bar Code:
Acquired on : 17 Aug 22 03:52 PM
Report Created on: 17 Aug 22 04:07 PM

Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\024R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.148	203	105	BV	0.035	0.0021
2	0.466	813	161	PV	0.075	0.0084
3	0.556	266	108	VV	0.041	0.0027
4	0.740	198	101	PV	0.033	0.0020
5	0.805	98	60	PB	0.027	0.0010
6	1.042	2846	490	PV	0.089	0.0294
7	1.502	376721	30196	VV	0.167	3.8902
8	1.790	21824	3989	VV	0.080	0.2254
9	1.904	56403	9146	VV	0.094	0.5824
10	2.115	43517	5617	VV	0.122	0.4494
11	2.368	122520	9876	VV	0.178	1.2652
12	2.591	34441	5235	VV	0.095	0.3557
13	2.766	33552	3299	VV	0.146	0.3465
14	3.190	188452	22601	VV	0.122	1.9460
15	3.531	45999	4960	VV	0.136	0.4750
16	3.688	22540	3083	VV	0.107	0.2328
17	3.954	122386	15653	VV	0.120	1.2638
18	4.191	57541	6030	VV	0.141	0.5942
19	4.369	21378	2781	VV	0.115	0.2208
20	4.579	28401	3968	VV	0.108	0.2933

21	4.814	34871	4258	VV	0.122	0.3601
22	5.220	2009426	301097	VV	0.099	20.7501
23	5.721	49977	5339	VV	0.129	0.5161
24	5.962	36890	3661	VV	0.134	0.3809
25	6.082	19900	2845	VV	0.117	0.2055
26	6.260	11779	1779	VV	0.110	0.1216
27	6.365	11975	1791	VV	0.097	0.1237
28	6.561	23877	1934	VV	0.168	0.2466
29	6.798	241867	51795	VV	0.072	2.4976
30	6.929	1526129	266163	VV	0.087	15.7594
31	7.271	591164	104016	VV	0.085	6.1046
32	7.621	1863827	292149	VV	0.093	19.2466
33	8.248	448763	66854	VV	0.096	4.6341
34	8.332	257211	51638	VV	0.083	2.6561
35	8.483	138996	23518	VV	0.087	1.4353
36	8.679	563042	97887	VV	0.085	5.8142
37	9.043	140246	24522	VV	0.085	1.4482
38	9.207	71305	11387	VV	0.091	0.7363
39	9.453	142840	14781	VV	0.129	1.4750
40	9.595	37945	6822	VV	0.081	0.3918
41	9.716	49667	9082	VV	0.079	0.5129
42	9.802	65694	9221	VV	0.100	0.6784
43	10.047	26528	3218	VV	0.117	0.2739
44	10.216	50523	6447	VV	0.113	0.5217
45	10.452	18516	2764	VV	0.097	0.1912
46	10.577	35807	3284	VV	0.146	0.3698
47	10.970	6266	965	VV	0.087	0.0647
48	11.054	7160	844	VV	0.111	0.0739
49	11.470	2016	393	VV	0.073	0.0208
50	11.568	2460	352	VV	0.100	0.0254
51	11.678	2292	316	VV	0.121	0.0237
52	11.828	1552	306	VV	0.084	0.0160
53	11.952	1604	312	VV	0.079	0.0166
54	12.124	788	273	VV	0.048	0.0081
55	12.180	967	248	VV	0.065	0.0100
56	12.277	1248	248	VV	0.073	0.0129
57	12.373	518	201	VV	0.043	0.0053
58	12.432	1071	241	VV	0.074	0.0111
59	12.722	376	122	VV	0.051	0.0039
60	12.874	757	152	VV	0.075	0.0078
61	13.084	661	62	PV	0.178	0.0068
62	13.305	116	61	VV	0.031	0.0012
63	13.387	460	99.7	VV	0.064	0.0048
64	13.553	231	68	VV	0.051	0.0024
65	13.741	970	169	VV	0.080	0.0100
66	13.897	362	91	VV	0.066	0.0037
67	14.041	1010	121	PV	0.139	0.0104
68	14.230	203	110	PV	0.031	0.0021
69	14.280	247	99	VV	0.042	0.0026
70	14.358	294	101	PV	0.048	0.0030
71	14.460	284	78	PV	0.059	0.0029
72	14.601	500	161	PV	0.057	0.0052
73	14.798	643	90	PV	0.106	0.0066

Total area = 9683921

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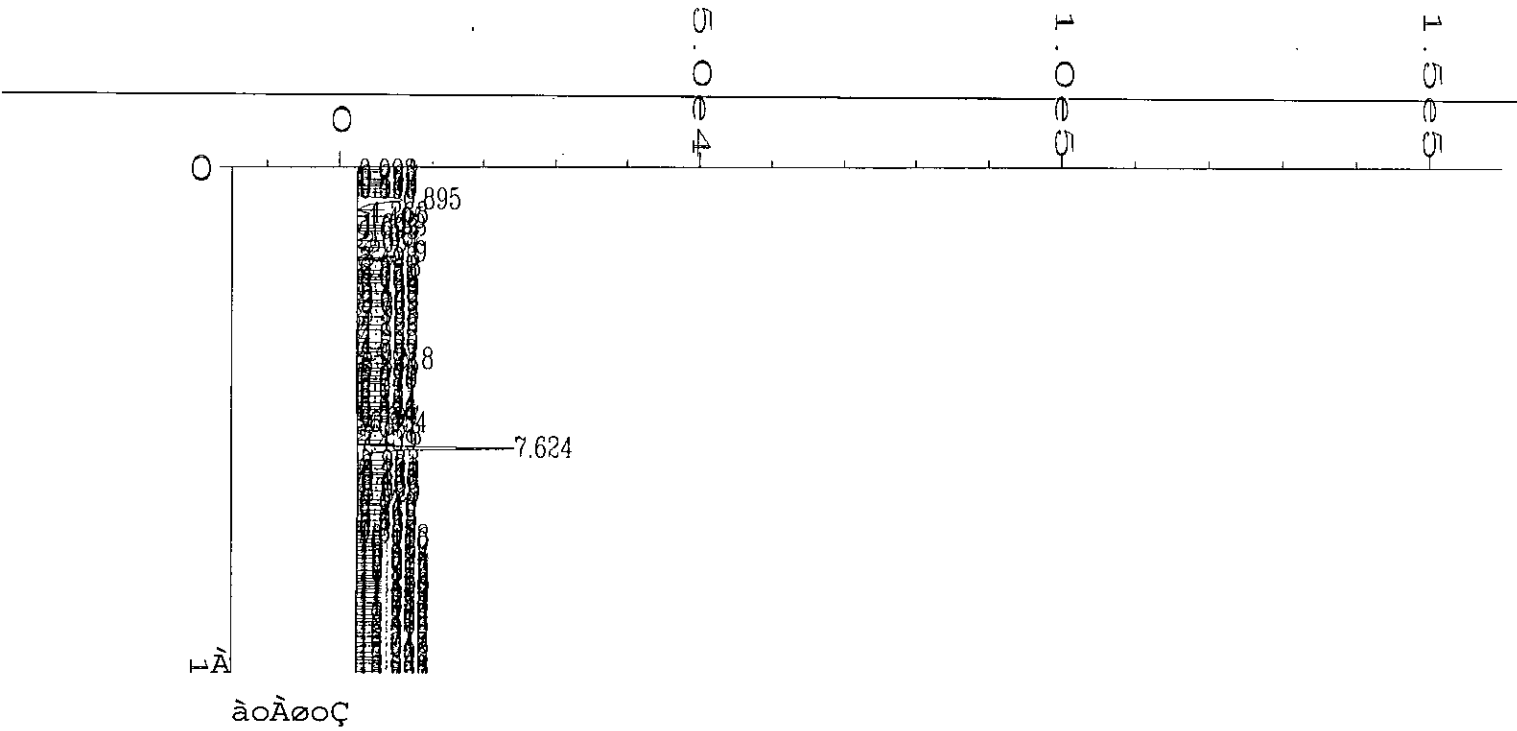
Last update on 08-17-22 TL

~~PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\024R0101.D~~

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 24
Sample Name : 1000 GX 66-35D Injection Number : 1
Acquired on : 17-Aug-22 3:52 PM
Report Created on: 17 Aug 22 04:07 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
118	FID	7.623	162937	1.38E+05
102	PID	7.621	1863827	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
9.11 ppb	FID	3.188	43878	4.82E+03
7.32 ppb	PID	3.190	188452	2.57E+04
Toluene				
87.59 ppb	FID	5.220	412436	4.71E+03
80.07 ppb	PID	5.220	2009426	2.51E+04
Ethylbenzene				
13.25 ppb	FID	6.799	47121	3.56E+03
12.66 ppb	PID	6.798	241867	1.91E+04
m,p-Xylenes				
60.91 ppb	FID	6.931	245728	4.03E+03
57.57 ppb	PID	6.929	1526129	2.65E+04
o-Xylene				
24.32 ppb	FID	7.272	106944	4.40E+03
23.18 ppb	PID	7.271	591164	2.55E+04
Nap-PID, C12-FID				
0.08 ppb	FID	11.162	346	4.16E+03
0.16 ppb	PID	11.054	7160	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
1107.37 ppb	FID		1432653	1.29E+03
1067.89 ppb	PID		6452564	6.04E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-162937	1.15E+03
761.91 ppb	PID		-1863827	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 18 Aug 22 06:51 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\015F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.093	238	169	BV	0.024	0.0558
2	0.267	1068	243	PV	0.073	0.2501
3	0.372	379	257	VV	0.025	0.0887
4	0.438	437	218	PV	0.041	0.1023
5	0.489	359	231	VV	0.026	0.0840
6	0.548	232	135	PV	0.029	0.0543
7	0.599	755	262	VV	0.048	0.1767
8	0.895	67554	6337	PV	0.147	15.8157
9	1.268	10602	1729	VV	0.087	2.4822
10	1.405	12833	1372	VV	0.128	3.0044
11	1.602	2239	547	VV	0.068	0.5241
12	1.693	1018	420	VV	0.040	0.2382
13	1.882	11209	1599	VV	0.106	2.6242
14	2.051	5196	713	VV	0.104	1.2165
15	2.319	15577	1616	VV	0.131	3.6470
16	2.498	699	251	VV	0.047	0.1637
17	2.718	6813	799	VV	0.115	1.5949
18	2.821	1312	297	VV	0.074	0.3071
19	2.950	961	298	VV	0.054	0.2251
20	3.032	879	320	VV	0.047	0.2057

Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 18 Aug 22 06:51 AM

Page Number : 2
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.108	1179	374	PV	0.053	0.2761
22	3.189	4215	476	VV	0.148	0.9868
23	3.400	1497	486	VV	0.051	0.3505
24	3.542	4347	656	VV	0.098	1.0177
25	3.659	1503	438	VV	0.051	0.3518
26	3.705	1913	467	VV	0.068	0.4479
27	3.955	5854	602	VV	0.144	1.3705
28	4.186	3909	475	VV	0.137	0.9151
29	4.323	1534	350	VV	0.064	0.3592
30	4.565	4978	420	VV	0.157	1.1655
31	4.799	2538	460	VV	0.075	0.5942
32	4.983	846	268	VV	0.053	0.1981
33	5.097	1778	455	VV	0.057	0.4163
34	5.218	15917	2604	VV	0.092	3.7264
35	5.345	3073	569	VV	0.090	0.7196
36	5.496	1188	364	VV	0.054	0.2781
37	5.541	1994	362	VV	0.092	0.4667
38	5.692	912	277	VV	0.053	0.2134
39	5.770	780	289	VV	0.045	0.1826
40	5.841	685	300	VV	0.038	0.1605
41	6.037	2298	302	VV	0.127	0.5379
42	6.121	1188	250	VV	0.079	0.2782
43	6.354	1474	287	PV	0.085	0.3451
44	6.444	962	236	VV	0.068	0.2252
45	6.521	870	213	VV	0.068	0.2038
46	6.596	320	127	VV	0.042	0.0750
47	6.674	763	203	PV	0.060	0.1786
48	6.797	2075	534	VV	0.065	0.4858
49	6.934	10625	1673	VV	0.093	2.4876
50	7.077	755	228	VV	0.055	0.1769
51	7.278	5187	831	VV	0.088	1.2145
52	7.439	574	186	PV	0.052	0.1344
53	7.624	132973	22045	VV	0.089	31.1316
54	7.983	3104	492	VV	0.105	0.7268
55	8.131	1382	377	VV	0.053	0.3236
56	8.244	2891	598	VV	0.067	0.6768
57	8.317	1223	425	VV	0.048	0.2863
58	8.369	1494	374	VV	0.067	0.3498
59	8.486	1263	286	VB	0.074	0.2956
60	8.688	2537	453	BV	0.076	0.5939
61	8.829	4036	565	VV	0.110	0.9448
62	9.076	947	225	VV	0.062	0.2216
63	9.148	415	214	PV	0.032	0.0971
64	9.216	1135	230	VV	0.069	0.2657
65	9.360	943	199	VV	0.079	0.2207
66	9.449	1085	194	VV	0.093	0.2540
67	9.630	1098	305	PV	0.060	0.2570
68	9.785	936	233	VV	0.067	0.2192
69	9.892	553	297	VV	0.031	0.1294
70	9.962	411	186	VV	0.037	0.0961
71	10.013	530	138	PV	0.064	0.1241
72	10.106	835	198	VV	0.070	0.1956
73	10.210	720	137	VV	0.087	0.1685
74	10.322	760	209	VV	0.061	0.1779

Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 18 Aug 22 06:51 AM

Page Number : 3
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	10.494	1200	283	PV	0.089	0.2810
76	10.574	752	256	VV	0.049	0.1760
77	10.684	960	247	VV	0.059	0.2248
78	10.775	684	261	VV	0.044	0.1602
79	10.900	811	216	VV	0.066	0.1900
80	10.976	1034	204	VV	0.084	0.2420
81	11.112	532	234	VV	0.038	0.1245
82	11.186	526	225	PV	0.043	0.1232
83	11.268	674	353	VV	0.032	0.1578
84	11.326	571	159	VV	0.060	0.1337
85	11.415	475	149	VV	0.053	0.1113
86	11.510	961	250	VV	0.065	0.2250
87	11.592	937	215	VV	0.073	0.2193
88	11.754	822	172	PV	0.074	0.1924
89	11.853	686	225	VV	0.051	0.1607
90	11.946	665	193	VV	0.057	0.1558
91	12.114	1214	202	PV	0.100	0.2842
92	12.200	549	161	VV	0.051	0.1285
93	12.318	648	176	VV	0.068	0.1517
94	12.403	741	240	VV	0.051	0.1735
95	12.576	1634	230	VV	0.118	0.3827
96	12.717	856	227	VV	0.063	0.2004
97	12.772	1120	202	VV	0.092	0.2622
98	12.942	686	219	VV	0.063	0.1606
99	13.042	1349	222	VV	0.107	0.3159
100	13.202	1002	231	VV	0.072	0.2346
101	13.347	644	304	VV	0.042	0.1507
102	13.399	759	177	VV	0.071	0.1776
103	13.568	1914	304	VV	0.106	0.4481
104	13.732	487	161	VV	0.057	0.1141
105	13.838	1064	183	VV	0.097	0.2490
106	13.961	1257	199	VV	0.105	0.2942
107	14.105	1611	207	VV	0.127	0.3772
108	14.254	652	183	VV	0.055	0.1526
109	14.318	703	228	VV	0.049	0.1647
110	14.452	1638	157	PV	0.156	0.3835
111	14.673	1282	235	VV	0.096	0.3002
112	14.772	1047	194	VV	0.090	0.2451
113	14.961	758	218	VV	0.058	0.1774
114	15.069	1314	264	VV	0.083	0.3076
115	15.202	552	165	PV	0.049	0.1293

Total area = 427134

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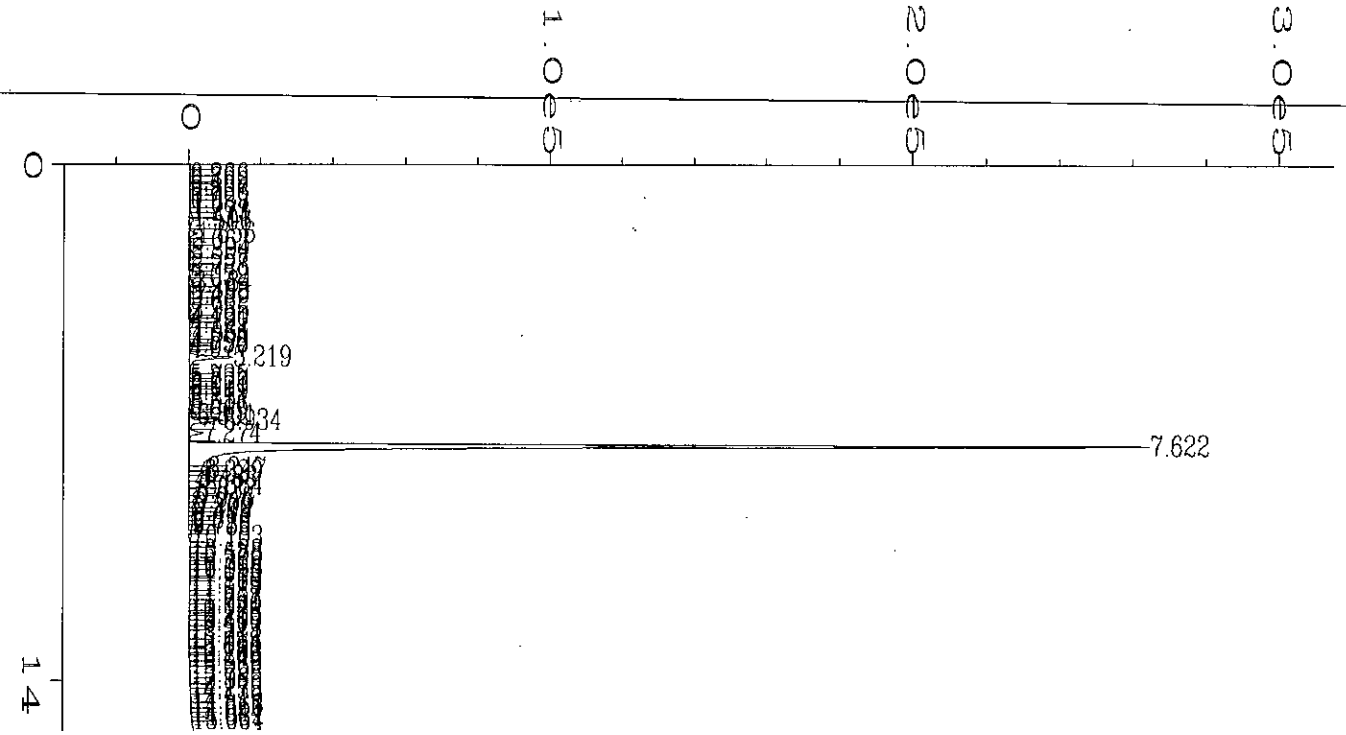

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\015R0101.D
Operator : awb
Instrument : GC2
Sample Name : 50 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 11:58 AM
Report Created on: 18 Aug 22 06:51 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\015R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.266	410	107	PV	0.064	0.0188
2	0.382	802	107	VV	0.130	0.0367
3	0.489	199	115	VV	0.029	0.0091
4	0.587	610	159	PV	0.063	0.0279
5	0.736	1065	198	PV	0.076	0.0488
6	0.929	1369	202	VV	0.096	0.0627
7	1.037	2595	469	VV	0.082	0.1187
8	1.273	2913	537	VV	0.078	0.1333
9	1.411	5142	844	VV	0.102	0.2353
10	1.506	10488	1143	VV	0.126	0.4800
11	1.856	15097	2193	VV	0.105	0.6909
12	2.063	3992	541	VV	0.109	0.1827
13	2.304	6320	451	VV	0.182	0.2892
14	2.557	2426	327	VV	0.097	0.1110
15	2.728	2433	381	VV	0.087	0.1113
16	3.032	281	114	PV	0.039	0.0129
17	3.184	9262	1168	VV	0.119	0.4239
18	3.392	3224	447	VV	0.114	0.1475
19	3.495	3652	447	VV	0.136	0.1671
20	3.662	2509	348	VV	0.117	0.1148

21	3.935	4836	512	VV	0.132	0.2213
22	4.120	983	275	VV	0.060	0.0450
23	4.191	1839	343	VV	0.089	0.0842
24	4.322	1049	238	VV	0.063	0.0480
25	4.561	4302	583	VV	0.111	0.1969
26	4.798	636	210	PV	0.056	0.0291
27	4.850	378	134	VV	0.047	0.0173
28	4.977	421	147	VV	0.049	0.0193
29	5.219	83197	12293	PV	0.101	3.8075
30	5.735	1538	208	VV	0.115	0.0704
31	5.837	552	178	VV	0.052	0.0253
32	5.929	1585	269	VV	0.088	0.0725
33	6.031	1021	300	VV	0.057	0.0467
34	6.119	905	187	VV	0.081	0.0414
35	6.351	3227	304	PV	0.153	0.1477
36	6.516	851	185	VV	0.077	0.0389
37	6.669	232	90	VV	0.043	0.0106
38	6.801	10055	2162	VV	0.073	0.4601
39	6.934	60474	9576	VV	0.095	2.7675
40	7.274	23608	3920	VV	0.089	1.0804
41	7.622	1673200	269140	VV	0.091	76.5732
42	8.247	36867	5050	VV	0.104	1.6872
43	8.329	25632	4177	VV	0.102	1.1730
44	8.483	21901	2759	VV	0.106	1.0023
45	8.684	31971	4441	VV	0.103	1.4631
46	8.832	20592	2183	VV	0.130	0.9424
47	9.048	14593	1805	VV	0.110	0.6678
48	9.209	10728	1391	VV	0.106	0.4910
49	9.362	5986	1054	VV	0.095	0.2739
50	9.440	6708	1001	VV	0.112	0.3070
51	9.616	5707	827	VV	0.096	0.2612
52	9.730	4481	818	VV	0.091	0.2051
53	9.788	6869	788	VV	0.145	0.3143
54	10.103	6829	592	VV	0.157	0.3125
55	10.488	4052	500	VV	0.113	0.1854
56	10.578	2626	444	VV	0.099	0.1202
57	10.762	1703	353	VV	0.080	0.0779
58	10.958	2507	381	VV	0.094	0.1147
59	11.012	2734	338	VV	0.135	0.1251
60	11.173	745	242	VV	0.051	0.0341
61	11.263	1004	278	VV	0.060	0.0459
62	11.373	2634	228	VV	0.149	0.1206
63	11.587	790	215	VV	0.061	0.0362
64	11.763	700	199	PV	0.059	0.0321
65	11.851	947	161	VV	0.098	0.0433
66	11.940	1135	163	VV	0.116	0.0519
67	12.126	458	160	VV	0.048	0.0210
68	12.203	384	154	VV	0.041	0.0176
69	12.319	1178	192	VV	0.082	0.0539
70	12.400	1002	209	VV	0.068	0.0459
71	12.573	498	122	VV	0.068	0.0228
72	12.714	724	106	PV	0.097	0.0331
73	12.974	995	146	PV	0.104	0.0455
74	13.090	190	88	VV	0.036	0.0087
75	13.195	620	152	VV	0.068	0.0284
76	13.266	185	119	VV	0.026	0.0084
77	13.345	568	155	PB	0.061	0.0260
78	13.560	777	194	BV	0.061	0.0355
79	13.798	1565	157	VV	0.147	0.0716
80	13.960	972	150	VV	0.086	0.0445
81	14.170	481	142	VV	0.057	0.0220
82	14.255	846	148	VV	0.077	0.0387

83	14.519	1457	181	PV	0.113	0.0667
84	14.666	1082	177	VV	0.082	0.0495
85	14.844	213	41	PV	0.092	0.0097
86	14.961	425	75	PV	0.094	0.0194
87	15.064	359	125	VV	0.048	0.0165

Total area = 2185099

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Last update on 08-18-22 TL

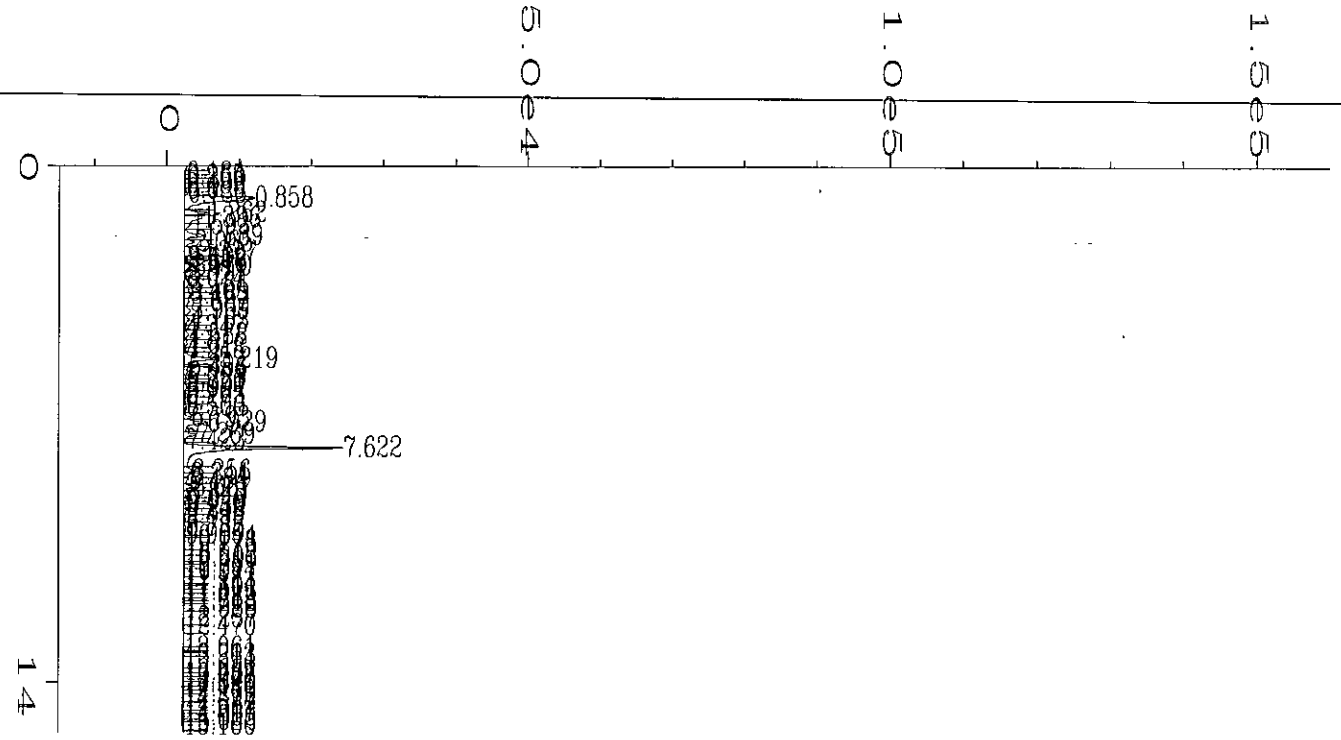
PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\015R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\015F0101.D
Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 15
Sample Name : 50 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 11:58 AM
Report Created on: 18 Aug 22 06:51 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.624	132973	1.38E+05
92	PID	7.622	1673200	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.87 ppb	FID	3.189	4215	4.82E+03
0.36 ppb	PID	3.184	9262	2.57E+04
Toluene				
3.38 ppb	FID	5.218	15917	4.71E+03
3.32 ppb	PID	5.219	83197	2.51E+04
Ethylbenzene				
0.58 ppb	FID	6.797	2075	3.56E+03
0.53 ppb	PID	6.801	10055	1.91E+04
m,p-Xylenes				
2.63 ppb	FID	6.934	10625	4.03E+03
2.28 ppb	PID	6.934	60474	2.65E+04
o-Xylene				
1.18 ppb	FID	7.278	5187	4.40E+03
0.93 ppb	PID	7.274	23608	2.55E+04
Nap-PID, C12-FID				
0.13 ppb	FID	11.112	532	4.16E+03
0.06 ppb	PID	11.012	2734	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end			
69.42 ppb	FID	106540	1.53E+03
59.86 ppb	PID	357580	5.97E+03
AK 101 Gasoline C6-C10			
0.00 ppb	FID	-132973	1.15E+03
683.98 ppb	PID	-1673200	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 18 Aug 22 06:52 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\016F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.184	1021	300	BV	0.063	0.1758
2	0.265	572	209	VV	0.046	0.0985
3	0.350	1502	344	VV	0.073	0.2586
4	0.483	1267	214	VV	0.099	0.2182
5	0.629	703	221	VV	0.053	0.1211
6	0.735	1123	439	PV	0.043	0.1935
7	0.858	95244	9650	VV	0.151	16.4037
8	1.262	18850	3211	VV	0.088	3.2465
9	1.396	21992	2489	VV	0.129	3.7877
10	1.593	5016	882	VV	0.095	0.8638
11	1.889	20560	2870	VV	0.103	3.5410
12	2.065	7934	1320	VV	0.087	1.3665
13	2.327	19258	1942	VV	0.151	3.3167
14	2.466	1102	415	VV	0.044	0.1898
15	2.517	878	376	VV	0.039	0.1511
16	2.578	1402	518	VV	0.045	0.2415
17	2.646	1085	581	VV	0.031	0.1868
18	2.710	7886	1215	VV	0.089	1.3581
19	2.877	2151	424	VV	0.075	0.3704
20	3.024	525	247	VV	0.035	0.0904

Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 18 Aug 22 06:52 AM

Page Number : 2
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.184	6247	709	VV	0.120	1.0759
22	3.405	4720	645	VV	0.108	0.8128
23	3.483	6754	944	VV	0.119	1.1631
24	3.687	6244	808	VV	0.116	1.0755
25	3.909	8586	926	VV	0.139	1.4788
26	4.163	6403	764	VV	0.111	1.1028
27	4.347	1794	286	VV	0.104	0.3090
28	4.582	5371	634	VV	0.108	0.9250
29	4.812	3824	533	VV	0.096	0.6585
30	4.948	1297	250	VV	0.087	0.2234
31	5.219	33896	4932	VV	0.102	5.8378
32	5.394	2128	656	VV	0.054	0.3664
33	5.456	5862	579	VV	0.169	1.0097
34	5.733	1630	426	VV	0.062	0.2807
35	5.781	1400	366	VV	0.064	0.2411
36	5.870	656	278	VV	0.039	0.1130
37	5.997	3251	427	VV	0.104	0.5600
38	6.163	1664	341	VV	0.081	0.2867
39	6.273	1881	253	VV	0.124	0.3239
40	6.500	3262	367	VV	0.148	0.5617
41	6.793	5096	1005	VV	0.080	0.8777
42	6.929	23503	3321	VV	0.100	4.0479
43	7.269	9641	1746	VV	0.084	1.6604
44	7.423	1329	319	VV	0.069	0.2289
45	7.622	147388	22391	VV	0.096	25.3844
46	8.256	8490	1134	VV	0.101	1.4623
47	8.344	4467	857	VV	0.087	0.7693
48	8.484	4707	683	VV	0.115	0.8108
49	8.687	7848	1258	VV	0.092	1.3517
50	8.843	4335	625	VV	0.116	0.7466
51	9.048	2460	547	VV	0.067	0.4237
52	9.120	932	289	VV	0.054	0.1605
53	9.252	1805	402	VV	0.086	0.3109
54	9.345	2201	337	VV	0.103	0.3791
55	9.455	2489	295	VV	0.141	0.4288
56	9.785	2808	295	VV	0.145	0.4837
57	9.989	880	268	VV	0.055	0.1516
58	10.044	406	161	VV	0.042	0.0700
59	10.178	2422	215	VB	0.187	0.4171
60	10.518	385	172	BV	0.037	0.0663
61	10.603	1315	228	VV	0.078	0.2264
62	10.761	610	206	VV	0.051	0.1051
63	10.877	917	244	PV	0.063	0.1580
64	10.971	1990	200	VV	0.130	0.3427
65	11.183	1566	172	VV	0.131	0.2697
66	11.344	387	172	VV	0.038	0.0666
67	11.401	620	186	VV	0.055	0.1068
68	11.513	826	231	VV	0.059	0.1422
69	11.683	788	227	PV	0.058	0.1356
70	11.758	728	215	VV	0.049	0.1253
71	11.818	621	203	VV	0.051	0.1069
72	11.988	1701	231	VV	0.123	0.2930
73	12.257	2305	296	VV	0.143	0.3970
74	12.470	768	152	PB	0.084	0.1322

Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 18 Aug 22 06:52 AM

Page Number : 3
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	13.061	565	138	BV	0.068	0.0973
76	13.263	777	202	PV	0.062	0.1339
77	13.314	2421	217	VV	0.186	0.4170
78	13.681	1025	226	VV	0.075	0.1766
79	13.787	730	200	VV	0.058	0.1257
80	13.878	306	157	VV	0.032	0.0527
81	13.940	514	176	PV	0.049	0.0885
82	14.021	896	168	VV	0.089	0.1543
83	14.145	793	284	VV	0.044	0.1365
84	14.279	714	235	VV	0.051	0.1229
85	14.397	1529	177	PV	0.131	0.2634
86	14.587	1332	217	PV	0.102	0.2294
87	14.817	530	149	VV	0.053	0.0913
88	14.906	1267	246	VV	0.083	0.2182
89	15.032	471	215	VV	0.037	0.0811
90	15.160	1083	168	PBA	0.105	0.1865

Total area = 580626

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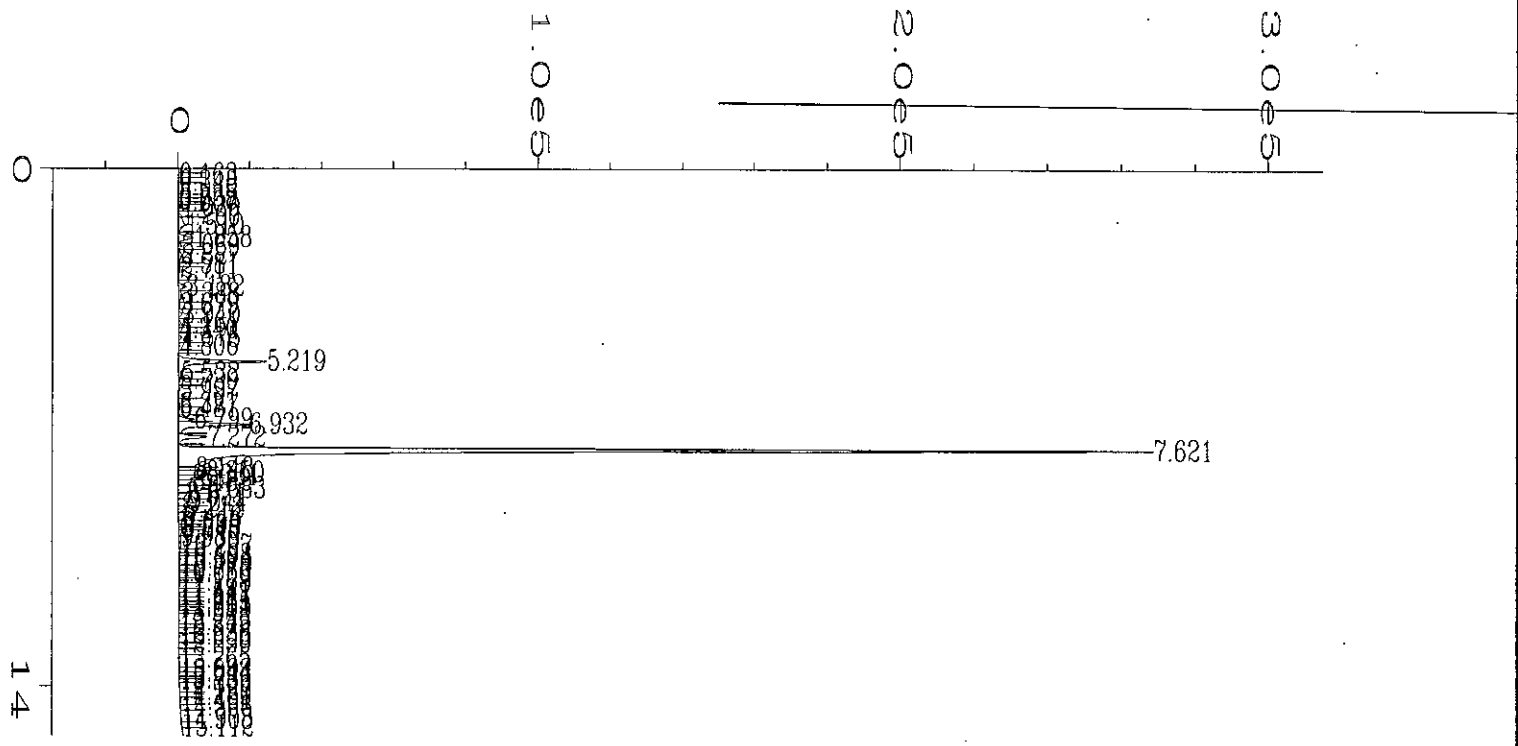

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\016R0101.D
Operator : awb
Instrument : GC2
Sample Name : 100 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:23 PM
Report Created on: 18 Aug 22 06:52 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\016R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.163	331	96	BV	0.056	0.0129
2	0.348	351	84	PV	0.069	0.0137
3	0.735	462	180	PV	0.043	0.0180
4	0.838	477	98	VV	0.069	0.0186
5	0.907	274	117	VV	0.039	0.0107
6	1.030	3405	798	VV	0.063	0.1329
7	1.260	4331	867	VV	0.074	0.1691
8	1.510	26387	2006	VV	0.173	1.0303
9	1.858	27877	4143	VV	0.103	1.0885
10	2.069	6685	868	VV	0.108	0.2610
11	2.327	11451	816	VV	0.175	0.4471
12	2.581	2273	434	VV	0.073	0.0887
13	2.711	5068	529	VV	0.123	0.1979
14	3.182	16608	2228	VV	0.115	0.6485
15	3.388	11093	779	VV	0.194	0.4331
16	3.679	3601	464	VV	0.103	0.1406
17	3.940	7593	916	VV	0.108	0.2965
18	4.161	5293	651	VV	0.111	0.2067
19	4.340	1535	293	VV	0.087	0.0599
20	4.575	6044	918	VV	0.102	0.2360

21	4.806	2346	386	VV	0.094	0.0916
22	5.219	162921	25096	PV	0.097	6.3615
23	5.532	7433	784	VV	0.145	0.2902
24	5.729	2931	459	VV	0.095	0.1144
25	5.997	4846	382	VV	0.159	0.1892
26	6.377	3305	418	VV	0.108	0.1291
27	6.481	3505	384	VV	0.152	0.1368
28	6.799	21331	4450	VV	0.074	0.8329
29	6.932	124576	19912	VV	0.093	4.8642
30	7.272	48609	8167	VV	0.089	1.8980
31	7.621	1708049	274112	VV	0.092	66.6929
32	8.148	23430	4706	VV	0.071	0.9148
33	8.250	52236	7647	VV	0.097	2.0396
34	8.331	35105	6231	VV	0.094	1.3707
35	8.482	28044	3799	VV	0.106	1.0950
36	8.683	55189	8117	VV	0.098	2.1549
37	8.831	17448	2295	VV	0.127	0.6813
38	9.044	22388	2855	VV	0.109	0.8742
39	9.212	14521	1938	VV	0.104	0.5670
40	9.448	17795	1471	VV	0.155	0.6948
41	9.608	6047	1088	VV	0.093	0.2361
42	9.699	4016	1050	VV	0.062	0.1568
43	9.743	3752	1077	VV	0.058	0.1465
44	9.810	8693	1075	VV	0.106	0.3394
45	9.986	5414	662	VV	0.136	0.2114
46	10.207	6379	683	VV	0.124	0.2491
47	10.468	2404	461	VV	0.087	0.0939
48	10.574	5648	546	VV	0.142	0.2205
49	10.770	2100	342	VV	0.089	0.0820
50	10.885	883	296	VV	0.050	0.0345
51	10.950	2522	319	VV	0.132	0.0985
52	11.169	710	236	VV	0.050	0.0277
53	11.441	633	159	VV	0.066	0.0247
54	11.517	957	165	VV	0.097	0.0374
55	11.681	972	192	VV	0.084	0.0379
56	11.765	670	169	VV	0.058	0.0261
57	11.814	526	164	VV	0.053	0.0205
58	11.883	626	164	VV	0.063	0.0244
59	12.245	1254	180	PV	0.094	0.0490
60	12.373	266	69	PV	0.064	0.0104
61	12.538	548	113	VV	0.083	0.0214
62	12.636	1015	102	VV	0.132	0.0396
63	12.850	252	70	VV	0.060	0.0098
64	13.265	1052	133	PV	0.116	0.0411
65	13.592	490	137	VV	0.060	0.0191
66	13.644	650	143	VV	0.076	0.0254
67	13.786	224	88	PV	0.042	0.0087
68	13.839	151	44	VV	0.057	0.0059
69	14.129	1594	168	PV	0.123	0.0622
70	14.280	512	124	VV	0.069	0.0200
71	14.401	1317	183	VV	0.115	0.0514
72	14.566	434	131	PV	0.055	0.0169
73	14.908	1044	137	PV	0.102	0.0408
74	15.112	164	98	PV	0.037	0.0064

Total area = 2561067

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Last update on 08-18-22 TL

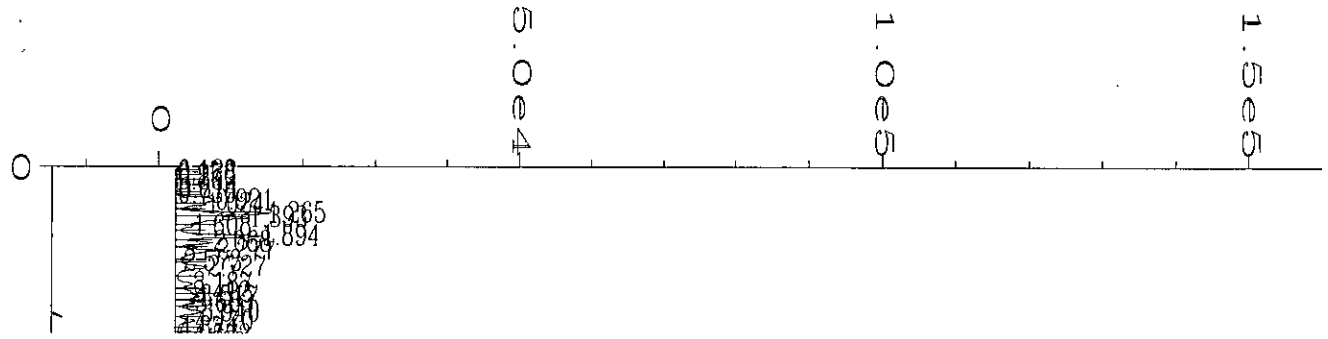
PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\016R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\016F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 16
Sample Name : 100 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 12:23 PM
Report Created on: 18 Aug 22 06:52 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
107	FID	7.622	147388	1.38E+05
94	PID	7.621	1708049	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
1.30 ppb	FID	3.184	6247	4.82E+03
0.65 ppb	PID	3.182	16608	2.57E+04
Toluene				
7.20 ppb	FID	5.219	33896	4.71E+03
6.49 ppb	PID	5.219	162921	2.51E+04
Ethylbenzene				
1.43 ppb	FID	6.793	5096	3.56E+03
1.12 ppb	PID	6.799	21331	1.91E+04
m,p-Xylenes				
5.83 ppb	FID	6.929	23503	4.03E+03
4.70 ppb	PID	6.932	124576	2.65E+04
o-Xylene				
2.19 ppb	FID	7.269	9641	4.40E+03
1.91 ppb	PID	7.272	48609	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.06 ppb	PID	10.950	2522	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
115.20 ppb	FID		176811	1.53E+03
107.98 ppb	PID		645022	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-147388	1.15E+03
698.23 ppb	PID		-1708049	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:49 PM
Report Created on: 18 Aug 22 06:53 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\017F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.122	372	247	BV	0.025	0.0254
2	0.178	510	208	VV	0.041	0.0348
3	0.250	1349	215	VV	0.104	0.0920
4	0.363	1542	241	VV	0.107	0.1051
5	0.614	2064	405	PV	0.071	0.1407
6	0.730	974	386	PV	0.042	0.0664
7	0.921	53055	5459	VV	0.134	3.6166
8	1.024	23982	4316	VV	0.078	1.6348
9	1.265	78513	13182	VV	0.092	5.3520
10	1.393	85771	10273	VV	0.121	5.8468
11	1.608	15717	2424	VV	0.093	1.0714
12	1.894	78698	11942	VV	0.105	5.3646
13	2.068	32146	5187	VV	0.092	2.1913
14	2.277	52606	5904	VV	0.125	3.5860
15	2.573	4239	1085	VV	0.065	0.2890
16	2.727	40790	4417	VV	0.134	2.7805
17	3.187	22727	2476	VV	0.122	1.5492
18	3.412	15045	2330	VV	0.108	1.0256
19	3.517	27573	3425	VV	0.119	1.8795
20	3.683	20019	2772	VV	0.107	1.3647

Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:49 PM
Report Created on: 18 Aug 22 06:53 AM

Page Number : 2
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.940	34166	3566	VV	0.144	2.3290
22	4.170	23261	2765	VV	0.121	1.5856
23	4.374	3028	546	VV	0.092	0.2064
24	4.573	17126	2416	VV	0.105	1.1675
25	4.792	15037	1715	VV	0.125	1.0250
26	5.220	156805	23941	VV	0.098	10.6889
27	5.396	14457	2321	VV	0.104	0.9855
28	5.558	17406	2020	VV	0.122	1.1865
29	5.734	9660	1139	VV	0.117	0.6585
30	5.983	12150	1435	VV	0.125	0.8282
31	6.174	2583	567	VV	0.076	0.1761
32	6.279	2168	500	VV	0.072	0.1478
33	6.429	3977	725	VV	0.091	0.2711
34	6.486	1962	747	VV	0.044	0.1337
35	6.573	5573	839	VV	0.097	0.3799
36	6.800	24598	4590	VV	0.079	1.6768
37	6.931	107827	16806	VV	0.095	7.3502
38	7.272	46202	7848	VV	0.089	3.1494
39	7.623	128690	23785	VV	0.081	8.7724
40	7.727	62716	9411	VV	0.093	4.2752
41	8.250	52072	4891	VV	0.141	3.5496
42	8.487	14538	2218	VV	0.096	0.9910
43	8.683	41827	6224	VV	0.097	2.8512
44	9.051	12523	2141	VV	0.087	0.8536
45	9.199	7756	1133	VV	0.094	0.5287
46	9.400	5619	937	VV	0.086	0.3830
47	9.453	6190	1085	VV	0.095	0.4219
48	9.589	3923	789	VV	0.083	0.2674
49	9.718	5485	809	VV	0.100	0.3739
50	9.813	5777	1042	VV	0.092	0.3938
51	10.025	3677	536	VV	0.099	0.2507
52	10.107	1754	450	VV	0.065	0.1196
53	10.204	3337	545	VV	0.102	0.2275
54	10.328	3331	399	VV	0.117	0.2270
55	10.511	2497	372	VV	0.112	0.1702
56	10.640	1142	482	VV	0.040	0.0778
57	10.690	2480	352	VV	0.117	0.1690
58	10.872	2344	274	VV	0.111	0.1598
59	11.038	782	280	VV	0.047	0.0533
60	11.219	2285	297	VV	0.123	0.1558
61	11.293	708	309	VV	0.038	0.0482
62	11.375	1345	348	VV	0.064	0.0917
63	11.469	690	302	VV	0.038	0.0470
64	11.563	1321	261	VV	0.084	0.0901
65	11.704	1362	290	VV	0.078	0.0929
66	11.880	1990	323	VV	0.097	0.1356
67	11.946	1404	224	VV	0.104	0.0957
68	12.109	1480	243	VV	0.101	0.1009
69	12.244	696	272	VV	0.043	0.0475
70	12.307	1390	204	VV	0.113	0.0947
71	12.449	572	213	VV	0.045	0.0390
72	12.564	1506	252	VV	0.079	0.1027
73	12.651	955	275	VV	0.058	0.0651
74	12.775	678	267	VV	0.041	0.0462

Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 17
Sample Name : 500 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 12:49 PM
Instrument Method: GX.MTH
Report Created on: 18 Aug 22 06:53 AM
Analysis Method : GX.MTH

75	12.838	880	178	VV	0.078	0.0600
76	12.937	1123	273	VV	0.068	0.0766
77	13.044	866	276	VV	0.052	0.0590
78	13.198	2260	270	VV	0.108	0.1540
79	13.364	414	238	VV	0.029	0.0282
80	13.438	1387	316	VV	0.063	0.0946
81	13.538	368	175	VV	0.035	0.0251
82	13.624	952	210	VV	0.076	0.0649
83	13.692	1027	266	VV	0.067	0.0700
84	13.898	2271	254	VV	0.149	0.1548
85	14.093	2035	276	VV	0.123	0.1387
86	14.240	1311	235	VV	0.093	0.0894
87	14.362	988	260	VV	0.063	0.0673
88	14.451	927	273	VV	0.057	0.0632
89	14.579	1268	241	VV	0.083	0.0864
90	14.640	543	220	VV	0.041	0.0370
91	14.711	637	245	VV	0.043	0.0434
92	14.818	951	199	VV	0.075	0.0648
93	14.893	1041	296	VV	0.059	0.0710
94	14.961	1149	259	VV	0.063	0.0783
95	15.130	1367	220	PV	0.087	0.0932
96	15.217	701	289	VV	0.040	0.0478

Total area = 1466985

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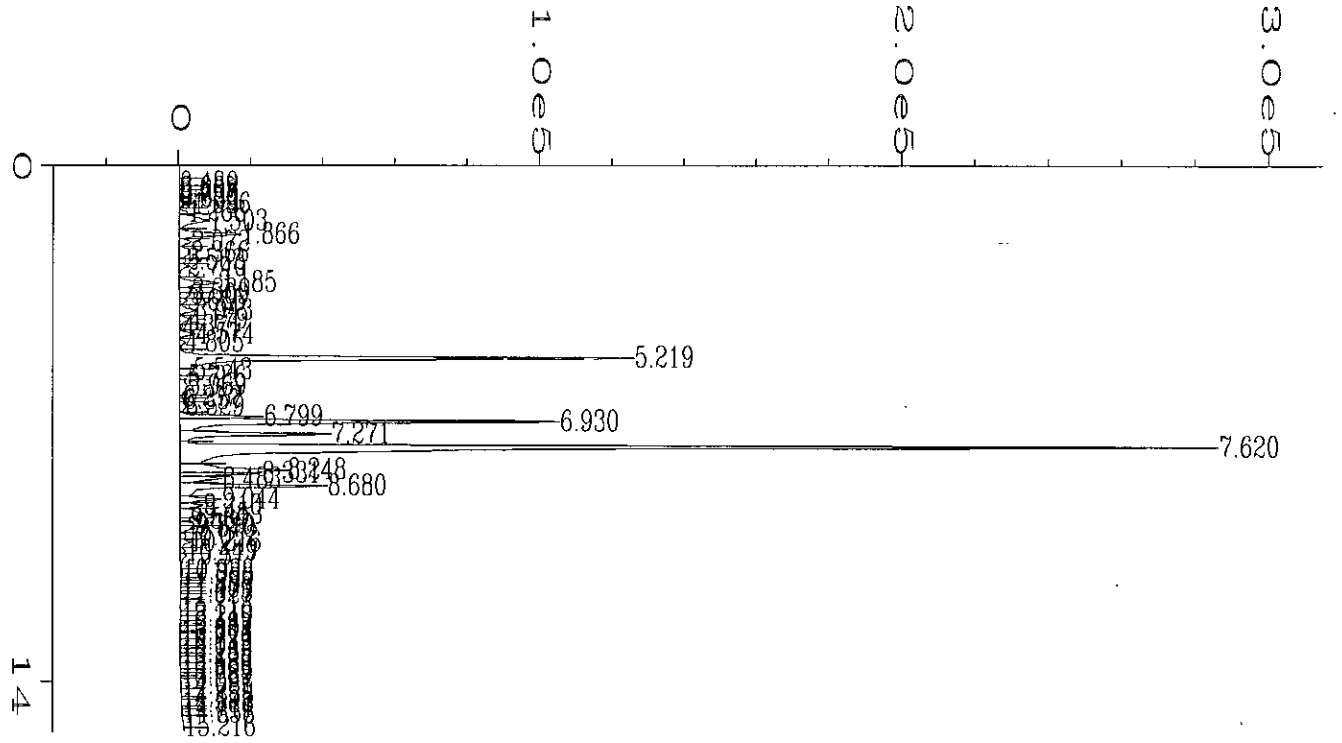

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\017R0101.D
Operator : awb
Instrument : GC2
Sample Name : 500 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 12:49 PM
Report Created on: 18 Aug 22 06:53 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\017R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.480	603	91	PV	0.111	0.0110
2	0.607	532	124	VV	0.069	0.0097
3	0.738	587	135	PV	0.063	0.0107
4	0.795	309	118	VV	0.043	0.0056
5	0.859	407	137	VV	0.050	0.0074
6	0.925	418	118	VV	0.059	0.0076
7	1.036	16870	3782	VV	0.068	0.3084
8	1.268	12677	2230	VV	0.086	0.2317
9	1.503	95384	8482	VV	0.152	1.7437
10	1.866	119825	17198	VV	0.108	2.1905
11	2.072	24448	3215	VV	0.112	0.4469
12	2.366	43593	3165	VV	0.183	0.7969
13	2.582	11925	1830	VV	0.098	0.2180
14	2.740	19248	2117	VV	0.134	0.3519
15	3.185	77930	10728	VV	0.110	1.4246
16	3.389	25748	3375	VV	0.114	0.4707
17	3.509	23650	3085	VV	0.128	0.4323
18	3.685	15172	2166	VV	0.103	0.2774
19	3.943	35435	4118	VV	0.130	0.6478
20	4.179	22015	2622	VV	0.130	0.4025

21	4.371	5497	791	VV	0.093	0.1005
22	4.574	27582	4415	VV	0.097	0.5042
23	4.805	12573	1570	VV	0.119	0.2298
24	5.219	813183	127873	VV	0.095	14.8654
25	5.543	34497	3876	VV	0.148	0.6306
26	5.726	13011	2119	VV	0.085	0.2378
27	5.969	36472	2085	VV	0.221	0.6667
28	6.272	2106	722	VV	0.049	0.0385
29	6.357	5680	1003	VV	0.078	0.1038
30	6.529	20582	1622	VV	0.166	0.3763
31	6.799	112611	23480	VV	0.074	2.0586
32	6.930	636384	106475	VV	0.090	11.6335
33	7.271	248101	42684	VV	0.087	4.5354
34	7.620	1960529	292433	VV	0.097	35.8396
35	8.248	226740	30107	VV	0.105	4.1449
36	8.331	112486	22681	VV	0.083	2.0563
37	8.483	73353	11689	VV	0.091	1.3409
38	8.680	257182	41167	VV	0.092	4.7014
39	9.044	69082	11585	VV	0.088	1.2629
40	9.210	40650	6396	VV	0.093	0.7431
41	9.453	63475	6500	VV	0.131	1.1604
42	9.589	14737	2726	VV	0.079	0.2694
43	9.720	21141	4011	VV	0.077	0.3865
44	9.810	34977	4622	VV	0.110	0.6394
45	10.052	13175	1516	VV	0.113	0.2409
46	10.216	21006	2565	VV	0.119	0.3840
47	10.449	8762	1389	VV	0.087	0.1602
48	10.577	17324	1636	VV	0.141	0.3167
49	10.988	3158	514	VV	0.086	0.0577
50	11.088	2318	393	VV	0.098	0.0424
51	11.287	851	241	VV	0.059	0.0156
52	11.372	628	143	VV	0.061	0.0115
53	11.469	424	128	VV	0.055	0.0078
54	11.573	306	108	VV	0.047	0.0056
55	11.627	766	111	VB	0.115	0.0140
56	12.119	481	107	PV	0.072	0.0088
57	12.249	355	76	PV	0.072	0.0065
58	12.437	256	91	VV	0.047	0.0047
59	12.604	721	148	PV	0.077	0.0132
60	12.648	278	137	VV	0.034	0.0051
61	12.776	852	153	VV	0.093	0.0156
62	12.875	887	117	VV	0.127	0.0162
63	13.043	248	89	PV	0.046	0.0045
64	13.185	670	167	PV	0.060	0.0123
65	13.238	270	107	VV	0.042	0.0049
66	13.425	851	141	PV	0.082	0.0156
67	13.539	670	114	PV	0.078	0.0122
68	13.693	348	109	VV	0.053	0.0064
69	13.789	288	92	PV	0.051	0.0053
70	13.882	396	168	VV	0.039	0.0072
71	14.081	1141	109	VV	0.148	0.0209
72	14.358	1355	201	VV	0.093	0.0248
73	14.452	164	75	VV	0.036	0.0030
74	14.588	520	71	PV	0.118	0.0095
75	14.711	249	112	PV	0.036	0.0046
76	14.858	877	146	VV	0.090	0.0160
77	15.216	288	85	PV	0.049	0.0053

Total area = 5470292

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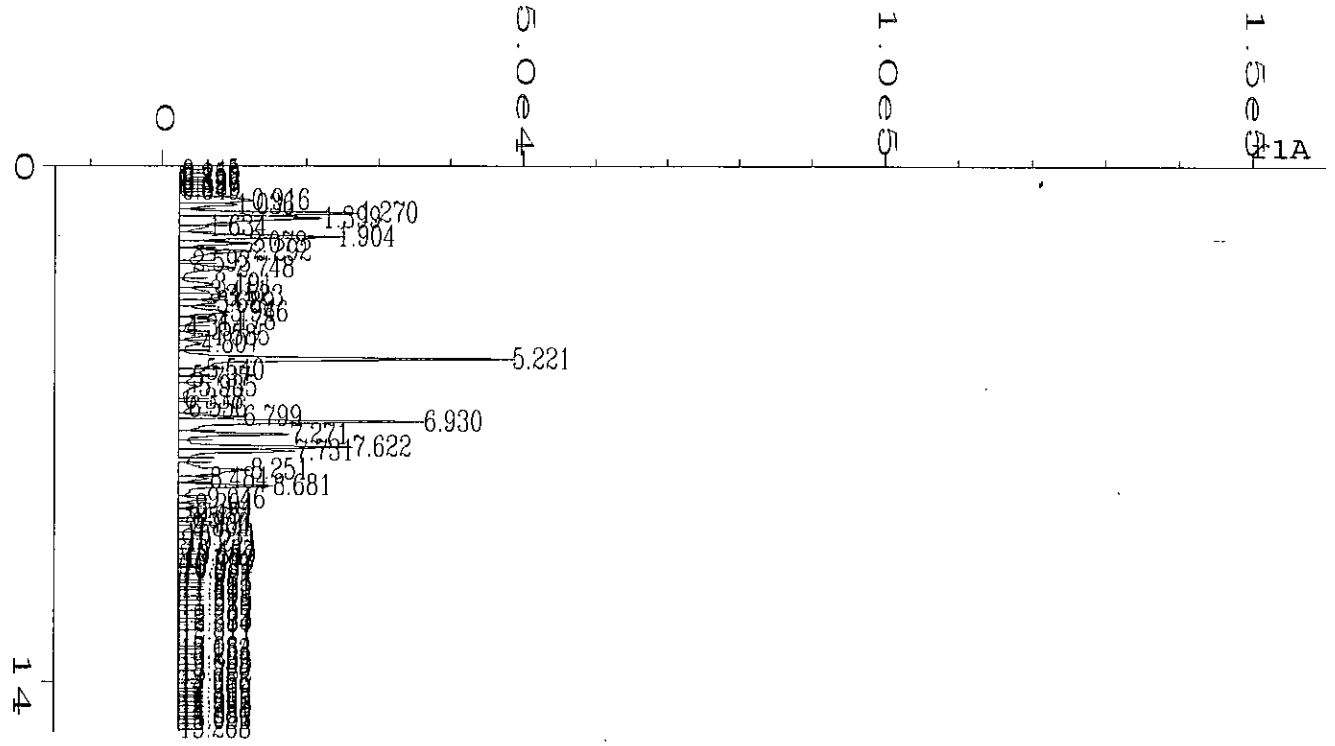
Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\017R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\017F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 17
Sample Name : 500 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 12:49 PM
Report Created on: 18 Aug 22 06:53 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
93	FID	7.727	128690	1.38E+05
108	PID	7.620	1960529	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
4.72 ppb	FID	3.187	22727	4.82E+03
3.03 ppb	PID	3.185	77930	2.57E+04
Toluene				
33.30 ppb	FID	5.220	156805	4.71E+03
32.40 ppb	PID	5.219	813183	2.51E+04
Ethylbenzene				
6.92 ppb	FID	6.800	24598	3.56E+03
5.89 ppb	PID	6.799	112611	1.91E+04
m,p-Xylenes				
26.73 ppb	FID	6.931	107827	4.03E+03
24.01 ppb	PID	6.930	636384	2.65E+04
o-Xylene				
10.51 ppb	FID	7.272	46202	4.40E+03
9.73 ppb	PID	7.271	248101	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.07 ppb	PID	11.088	3158	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
491.60 ppb	FID		754503	1.53E+03
475.08 ppb	PID		2837990	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-128690	1.15E+03
801.44 ppb	PID		-1960529	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:15 PM
Report Created on: 18 Aug 22 06:54 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\018F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.145	683	259	BV	0.045	0.0263
2	0.253	1303	298	PV	0.062	0.0501
3	0.345	1027	321	VV	0.058	0.0395
4	0.396	972	368	VV	0.044	0.0374
5	0.457	946	337	VV	0.047	0.0364
6	0.538	1323	358	VV	0.062	0.0509
7	0.649	985	361	VV	0.045	0.0379
8	0.916	96008	10098	VV	0.136	3.6937
9	1.036	42265	8266	VV	0.073	1.6260
10	1.270	151476	25080	VV	0.093	5.8277
11	1.399	165457	19886	VV	0.118	6.3656
12	1.634	27957	4028	VV	0.104	1.0756
13	1.904	147710	22805	VV	0.099	5.6828
14	2.078	60286	10082	VV	0.090	2.3194
15	2.292	89179	10281	VV	0.123	3.4309
16	2.593	8044	1827	VV	0.062	0.3095
17	2.748	74457	7873	VV	0.136	2.8645
18	3.191	37881	4897	VV	0.122	1.4574
19	3.411	27771	4156	VV	0.111	1.0684
20	3.523	54069	6403	VV	0.120	2.0802

Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:15 PM
Report Created on: 18 Aug 22 06:54 AM

Page Number : 2
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.689	37748	5239	VV	0.107	1.4523
22	3.946	64498	7066	VV	0.137	2.4814
23	4.178	40907	5311	VV	0.114	1.5738
24	4.354	6893	999	VV	0.101	0.2652
25	4.585	31510	4448	VV	0.104	1.2123
26	4.807	27937	3129	VV	0.126	1.0748
27	5.221	337092	47434	VV	0.103	12.9688
28	5.540	31363	3814	VV	0.111	1.2066
29	5.737	15409	1862	VV	0.138	0.5928
30	5.985	33179	2774	VV	0.158	1.2765
31	6.338	4479	851	VV	0.079	0.1723
32	6.556	19280	1383	VV	0.185	0.7417
33	6.799	45550	8990	VV	0.078	1.7524
34	6.930	215619	34307	VV	0.093	8.2954
35	7.271	91452	15631	VV	0.087	3.5184
36	7.622	132211	24449	VV	0.081	5.0865
37	7.731	98239	16284	VV	0.088	3.7795
38	8.251	101918	10009	VV	0.138	3.9211
39	8.484	26780	4352	VV	0.103	1.0303
40	8.681	81672	13101	VV	0.091	3.1421
41	9.046	23114	4032	VV	0.085	0.8893
42	9.204	15189	2322	VV	0.095	0.5844
43	9.451	24734	2395	VV	0.134	0.9516
44	9.577	6896	1339	VV	0.086	0.2653
45	9.720	8859	1861	VV	0.079	0.3408
46	9.804	14934	1946	VV	0.101	0.5746
47	10.031	7449	893	VV	0.127	0.2866
48	10.211	9981	1061	VV	0.125	0.3840
49	10.467	4582	686	VV	0.105	0.1763
50	10.589	4887	793	VV	0.091	0.1880
51	10.703	2977	570	VV	0.087	0.1145
52	10.827	1053	339	VV	0.052	0.0405
53	10.881	754	319	VV	0.039	0.0290
54	10.934	2974	438	VV	0.113	0.1144
55	11.097	2456	349	VV	0.095	0.0945
56	11.261	950	249	VV	0.056	0.0366
57	11.355	1391	295	VV	0.069	0.0535
58	11.451	755	287	VV	0.044	0.0290
59	11.512	2157	264	VV	0.136	0.0830
60	11.693	1303	286	VV	0.076	0.0501
61	11.816	1346	236	VV	0.081	0.0518
62	11.935	1340	229	VV	0.097	0.0515
63	12.203	2194	269	VV	0.139	0.0844
64	12.333	770	221	VV	0.058	0.0296
65	12.384	1999	235	VV	0.142	0.0769
66	12.611	3465	232	VV	0.249	0.1333
67	13.084	815	246	VV	0.055	0.0314
68	13.133	865	181	VV	0.079	0.0333
69	13.284	643	239	VV	0.045	0.0247
70	13.385	1437	279	VV	0.084	0.0553
71	13.568	1298	175	VV	0.125	0.0499
72	13.732	1756	291	VV	0.086	0.0676
73	13.953	772	182	VV	0.071	0.0297
74	14.055	1001	189	VV	0.088	0.0385

Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 18
Sample Name : 1000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 01:15 PM
Instrument Method: GX.MTH
Report Created on: 18 Aug 22 06:54 AM
Analysis Method : GX.MTH

75	14.209	523	171	VV	0.046	0.0201
76	14.313	763	220	VV	0.052	0.0293
77	14.386	427	252	VV	0.028	0.0164
78	14.486	843	198	VV	0.073	0.0324
79	14.583	1030	229	VV	0.072	0.0396
80	14.721	1463	265	VV	0.087	0.0563
81	14.880	591	173	PV	0.057	0.0227
82	14.957	841	311	VV	0.045	0.0324
83	15.035	829	228	VV	0.060	0.0319
84	15.268	1311	228	VV	0.106	0.0504

Total area = 2599252

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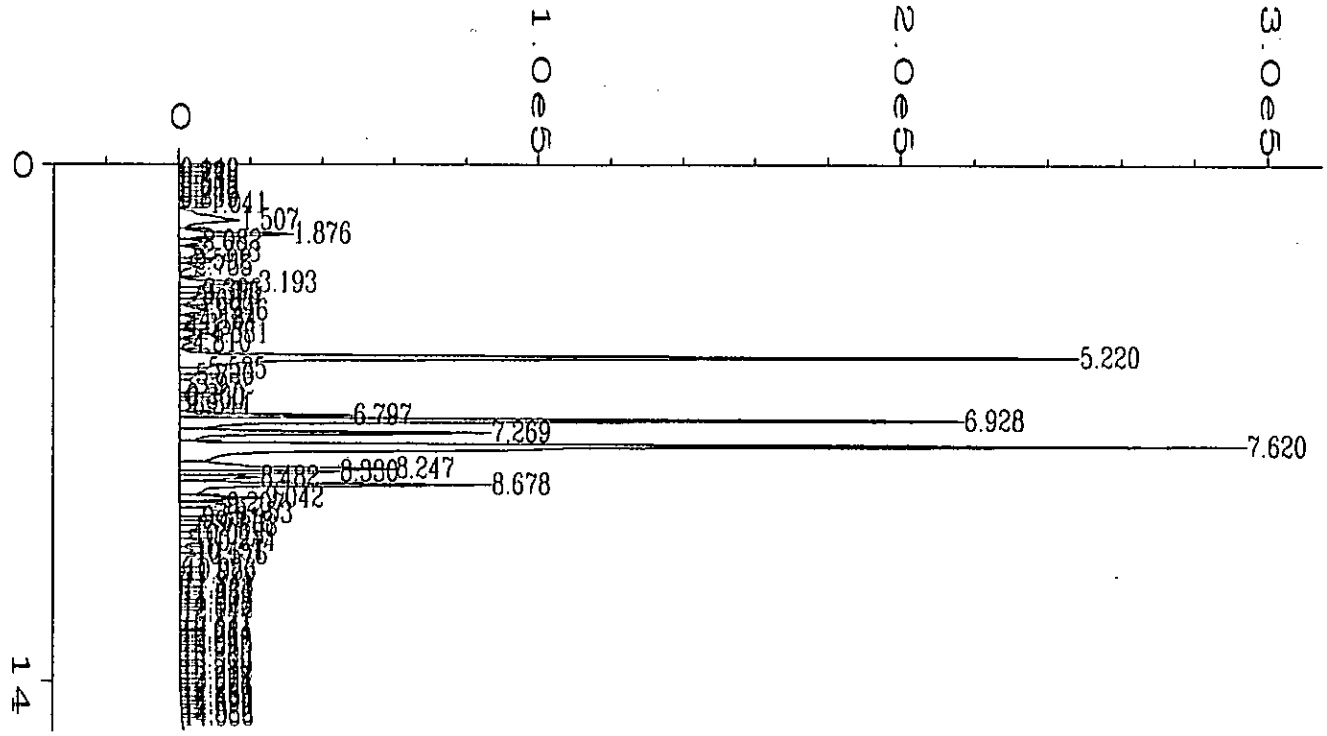

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\018R0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:15 PM
Report Created on: 18 Aug 22 06:54 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\018R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.149	567	139	BV	0.068	0.0061
2	0.228	612	120	VV	0.082	0.0065
3	0.388	1101	151	VV	0.122	0.0118
4	0.543	351	119	VV	0.047	0.0038
5	0.653	430	146	PV	0.051	0.0046
6	0.745	836	166	VV	0.072	0.0089
7	0.899	412	129	VV	0.055	0.0044
8	1.041	36762	8236	VV	0.067	0.3932
9	1.507	225926	16901	VV	0.177	2.4167
10	1.876	228117	32298	VV	0.110	2.4401
11	2.082	47500	6537	VV	0.113	0.5081
12	2.373	87329	6333	VV	0.183	0.9341
13	2.592	23884	3718	VV	0.093	0.2555
14	2.755	40017	4129	VV	0.143	0.4281
15	3.193	161229	22238	VV	0.110	1.7246
16	3.396	53465	6680	VV	0.116	0.5719
17	3.518	45125	6081	VV	0.111	0.4827
18	3.688	31910	4412	VV	0.108	0.3413
19	3.946	71449	8428	VV	0.128	0.7643
20	4.184	46349	5412	VV	0.129	0.4958

21	4.354	15110	1886	VV	0.110	0.1616
22	4.581	57463	8669	VV	0.101	0.6147
23	4.810	31528	3580	VV	0.130	0.3373
24	5.220	1627491	253567	VV	0.096	17.4089
25	5.535	66922	7864	VV	0.142	0.7158
26	5.720	34816	4459	VV	0.108	0.3724
27	5.972	68496	4390	VV	0.203	0.7327
28	6.260	8281	1677	VV	0.078	0.0886
29	6.360	10384	1956	VV	0.088	0.1111
30	6.544	46266	3517	VV	0.187	0.4949
31	6.797	233060	48570	VV	0.073	2.4930
32	6.928	1299771	220292	VV	0.088	13.9034
33	7.269	508637	87624	VV	0.087	5.4408
34	7.620	2220522	302021	VV	0.104	23.7525
35	8.247	427981	61229	VV	0.099	4.5780
36	8.330	216625	44749	VV	0.081	2.3172
37	8.482	134645	22516	VV	0.088	1.4403
38	8.678	513158	87402	VV	0.087	5.4891
39	9.042	137062	23896	VV	0.086	1.4661
40	9.207	78710	12994	VV	0.089	0.8419
41	9.453	143264	15110	VV	0.127	1.5325
42	9.591	32654	6112	VV	0.078	0.3493
43	9.718	51029	9761	VV	0.077	0.5458
44	9.806	81550	10997	VV	0.107	0.8723
45	10.043	28716	3560	VV	0.116	0.3072
46	10.214	51050	6888	VV	0.110	0.5461
47	10.451	26777	3798	VV	0.101	0.2864
48	10.576	45317	4438	VV	0.138	0.4847
49	10.986	9240	1315	VV	0.098	0.0988
50	11.079	9935	1115	VV	0.148	0.1063
51	11.341	4719	572	VV	0.109	0.0505
52	11.443	1624	465	VV	0.058	0.0174
53	11.524	1926	435	VV	0.074	0.0206
54	11.652	2798	433	VV	0.108	0.0299
55	11.807	1699	307	VV	0.078	0.0182
56	11.923	1225	254	VV	0.080	0.0131
57	12.042	879	216	VV	0.068	0.0094
58	12.147	3517	300	VV	0.161	0.0376
59	12.611	280	125	VV	0.037	0.0030
60	12.684	482	123	VV	0.065	0.0052
61	12.761	278	120	VV	0.039	0.0030
62	12.858	681	165	VV	0.059	0.0073
63	12.942	434	125	VV	0.058	0.0046
64	13.080	1111	190	VV	0.083	0.0119
65	13.360	1181	126	VV	0.156	0.0126
66	13.558	234	65	PV	0.060	0.0025
67	13.712	960	164	VV	0.084	0.0103
68	13.907	398	119	PV	0.056	0.0043
69	13.974	781	143	VV	0.079	0.0084
70	14.091	443	97	VV	0.076	0.0047
71	14.206	259	116	PV	0.037	0.0028
72	14.382	754	127	VV	0.099	0.0081
73	14.469	540	129	VV	0.063	0.0058
74	14.594	426	106	VV	0.063	0.0046
75	14.670	472	134	PV	0.060	0.0050
76	14.880	325	74	PV	0.073	0.0035
77	14.956	339	137	VV	0.047	0.0036

Total area = 9348597

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Last update on 08-18-22 TL

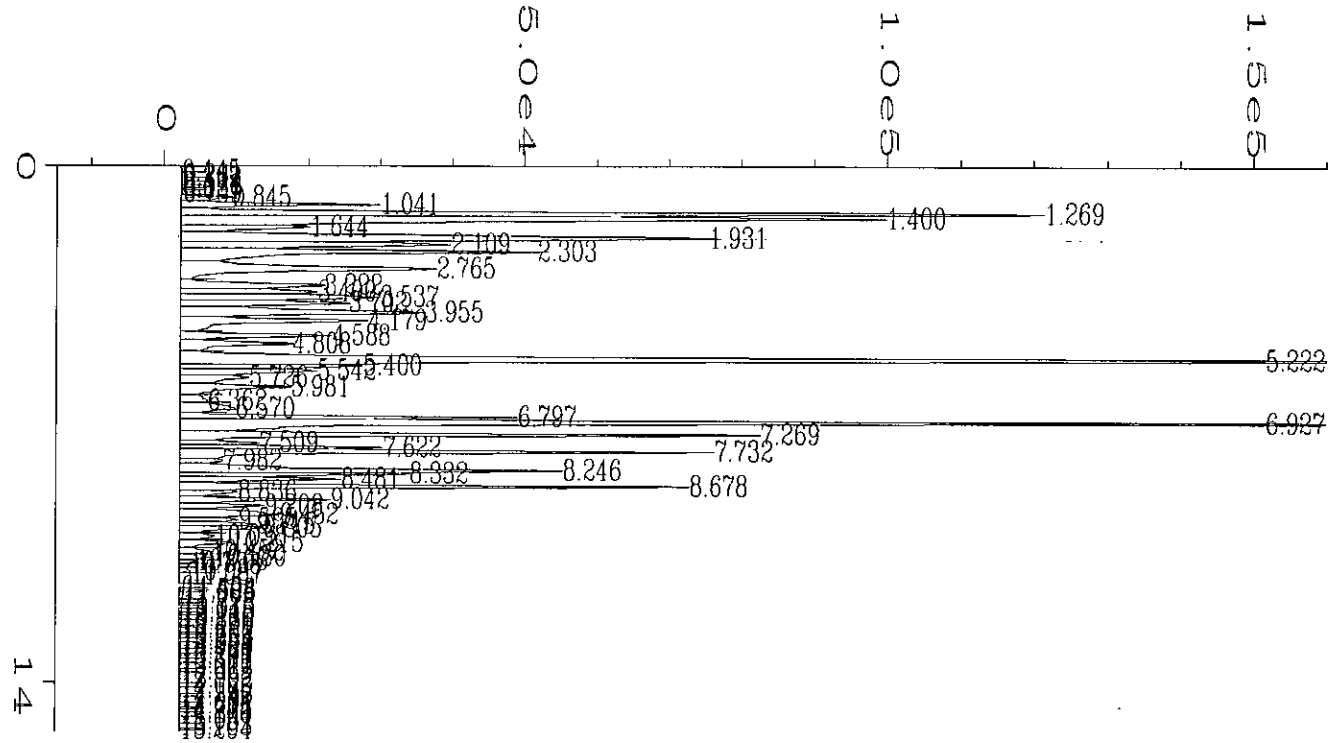
PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\018R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\018F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 18
Sample Name : 1000 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 1:15 PM
Report Created on: 18 Aug 22 06:54 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.622	132211	1.38E+05
122	PID	7.620	2220522	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
7.86 ppb	FID	3.191	37881	4.82E+03
6.27 ppb	PID	3.193	161229	2.57E+04
Toluene				
71.59 ppb	FID	5.221	337092	4.71E+03
64.85 ppb	PID	5.220	1627491	2.51E+04
Ethylbenzene				
12.81 ppb	FID	6.799	45550	3.56E+03
12.19 ppb	PID	6.797	233060	1.91E+04
m,p-Xylenes				
53.44 ppb	FID	6.930	215619	4.03E+03
49.03 ppb	PID	6.928	1299771	2.65E+04
o-Xylene				
20.80 ppb	FID	7.271	91452	4.40E+03
19.94 ppb	PID	7.269	508637	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.22 ppb	PID	11.079	9935	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
932.54 ppb	FID		1431246	1.53E+03
955.88 ppb	PID		5710161	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-132211	1.15E+03
907.72 ppb	PID		-2220522	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb
Instrument : GC2
Sample Name : 5000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:40 PM
Report Created on: 18 Aug 22 06:55 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\019F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.145	748	147	BV	0.085	0.0064
2	0.261	1389	333	VV	0.069	0.0119
3	0.332	852	296	VV	0.048	0.0073
4	0.474	792	228	VV	0.051	0.0068
5	0.538	905	312	VV	0.048	0.0078
6	0.621	544	232	VV	0.039	0.0047
7	0.739	1163	362	PV	0.053	0.0100
8	0.845	41785	7167	VV	0.086	0.3580
9	1.041	147357	27809	VV	0.078	1.2625
10	1.269	721277	119734	VV	0.093	6.1797
11	1.400	813117	97869	VV	0.119	6.9666
12	1.644	130125	17942	VV	0.107	1.1149
13	1.931	683075	74958	VV	0.145	5.8524
14	2.109	292010	37614	VV	0.115	2.5019
15	2.303	407781	51331	VV	0.113	3.4938
16	2.765	376326	35648	VV	0.154	3.2243
17	3.222	172645	20163	VV	0.129	1.4792
18	3.400	137033	18913	VV	0.106	1.1741
19	3.537	225211	27715	VV	0.120	1.9295
20	3.702	176348	23626	VV	0.110	1.5109

Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb
Instrument : GC2
Sample Name : 5000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:40 PM
Report Created on: 18 Aug 22 06:55 AM

Page Number : 2
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.955	317470	34212	VV	0.138	2.7200
22	4.179	231079	26260	VV	0.128	1.9798
23	4.588	143594	21040	VV	0.104	1.2303
24	4.808	136338	15817	VV	0.128	1.1681
25	5.222	1533398	237040	VV	0.096	13.1378
26	5.400	150530	25336	VV	0.099	1.2897
27	5.542	147428	19037	VV	0.112	1.2631
28	5.726	90506	9617	VV	0.129	0.7754
29	5.981	136644	15539	VV	0.122	1.1707
30	6.362	40938	3872	VV	0.137	0.3507
31	6.570	93619	7769	VV	0.162	0.8021
32	6.797	230954	47270	VV	0.074	1.9788
33	6.927	1124800	184689	VV	0.091	9.6370
34	7.269	451193	81165	VV	0.083	3.8657
35	7.509	61125	10994	VV	0.082	0.5237
36	7.622	132326	28417	VV	0.070	1.1337
37	7.732	431422	74554	VV	0.086	3.6963
38	7.982	41611	6009	VV	0.098	0.3565
39	8.246	367407	53974	VV	0.098	3.1479
40	8.332	155836	31873	VV	0.081	1.3352
41	8.481	127224	22433	VV	0.084	1.0900
42	8.678	355649	71197	VV	0.076	3.0471
43	8.836	60244	8122	VV	0.106	0.5162
44	9.042	119684	21070	VV	0.085	1.0254
45	9.208	72112	11857	VV	0.089	0.6178
46	9.452	142037	13862	VV	0.136	1.2169
47	9.595	45692	8171	VV	0.082	0.3915
48	9.715	59146	10707	VV	0.081	0.5068
49	9.805	84410	11699	VV	0.102	0.7232
50	10.038	39006	4903	VV	0.113	0.3342
51	10.215	56158	7141	VV	0.115	0.4811
52	10.452	29801	4380	VV	0.094	0.2553
53	10.580	32555	4849	VV	0.099	0.2789
54	10.706	12194	2335	VV	0.087	0.1045
55	10.798	7879	1421	VV	0.092	0.0675
56	10.987	10398	1576	VV	0.088	0.0891
57	11.087	16944	1558	VV	0.149	0.1452
58	11.454	1544	617	VV	0.042	0.0132
59	11.508	2101	664	VV	0.053	0.0180
60	11.585	5801	607	VV	0.137	0.0497
61	11.772	2239	424	VV	0.088	0.0192
62	11.875	1714	479	VV	0.060	0.0147
63	12.040	2279	482	VV	0.079	0.0195
64	12.115	1728	478	VV	0.060	0.0148
65	12.230	2429	386	VV	0.105	0.0208
66	12.330	2512	425	VV	0.086	0.0215
67	12.471	909	355	VV	0.043	0.0078
68	12.556	1914	332	VV	0.090	0.0164
69	12.662	875	377	VV	0.039	0.0075
70	12.763	1450	330	VV	0.073	0.0124
71	12.854	1630	392	VV	0.058	0.0140
72	12.998	2185	275	VV	0.132	0.0187
73	13.121	1540	310	VV	0.083	0.0132
74	13.235	622	237	VV	0.044	0.0053

Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 19
Sample Name : 5000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 01:40 PM
Instrument Method: GX.MTH
Report Created on: 18 Aug 22 06:55 AM
Analysis Method : GX.MTH

75	13.297	1107	320	VV	0.058	0.0095
76	13.385	1089	223	VV	0.079	0.0093
77	13.511	1967	350	VV	0.079	0.0169
78	13.669	901	239	VV	0.063	0.0077
79	13.902	2854	256	VV	0.175	0.0245
80	14.062	1006	232	PV	0.072	0.0086
81	14.176	1336	223	VV	0.085	0.0114
82	14.346	582	240	VV	0.040	0.0050
83	14.397	1613	250	VV	0.108	0.0138
84	14.601	1201	248	VV	0.081	0.0103
85	14.715	412	187	VV	0.037	0.0035
86	14.773	343	145	VV	0.039	0.0029
87	14.866	944	232	VV	0.068	0.0081
88	15.031	1344	273	PV	0.082	0.0115
89	15.183	1138	212	PV	0.074	0.0097
90	15.294	541	243	VBA	0.037	0.0046

Total area = 1.16717E+007

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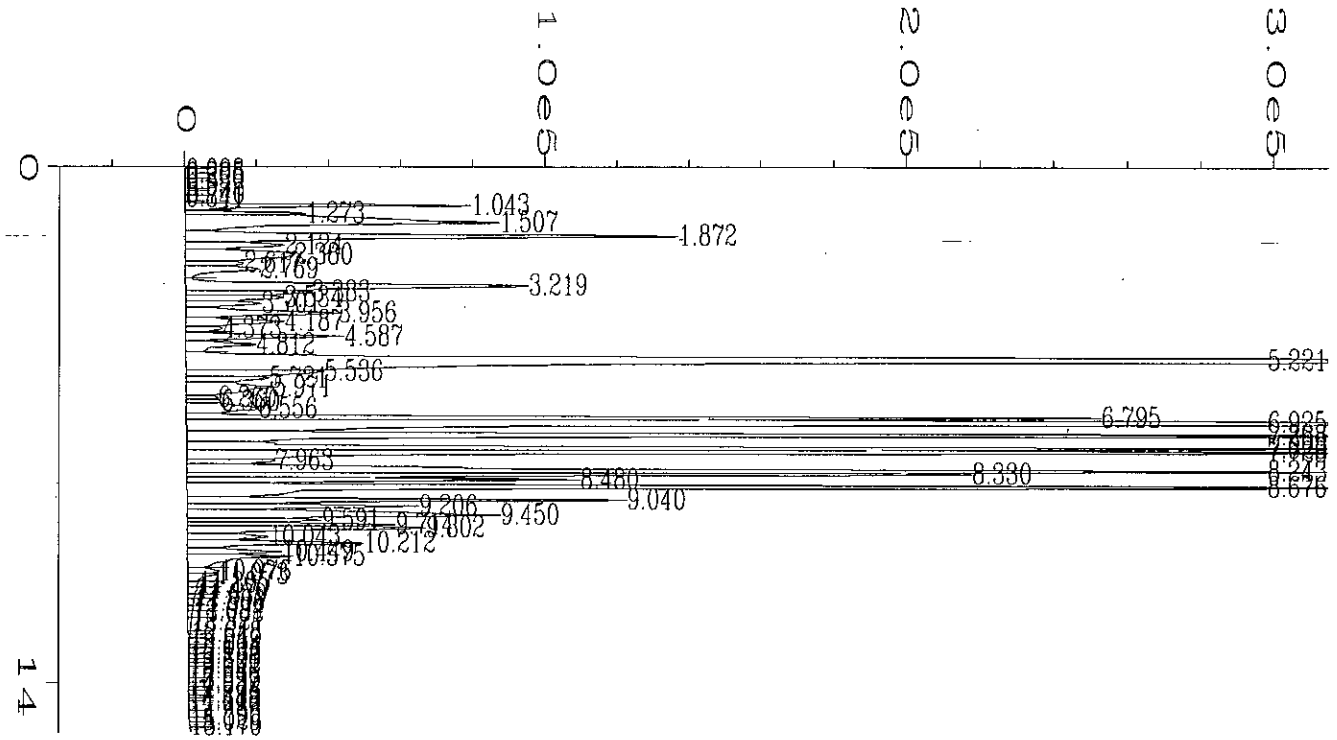

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\019R0101.D
Operator : awb
Instrument : GC2
Sample Name : 5000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 01:40 PM
Report Created on: 18 Aug 22 06:55 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\019R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.098	523	106	BV	0.077	0.0013
2	0.205	605	118	VV	0.086	0.0015
3	0.330	182	86	PV	0.035	0.0005
4	0.532	1160	171	PV	0.089	0.0029
5	0.740	1065	254	PV	0.070	0.0026
6	0.841	791	178	VV	0.066	0.0020
7	1.043	367614	80719	VV	0.069	0.9097
8	1.273	177829	33747	VV	0.080	0.4401
9	1.507	1096641	87436	VV	0.169	2.7139
10	1.872	1084086	138342	VV	0.115	2.6828
11	2.124	232530	27704	VV	0.126	0.5755
12	2.380	456691	30257	VV	0.214	1.1302
13	2.617	110634	16181	VV	0.099	0.2738
14	2.769	206459	20905	VV	0.143	0.5109
15	3.219	840449	95964	VV	0.131	2.0799
16	3.383	244101	35180	VV	0.102	0.6041
17	3.534	208076	27295	VV	0.112	0.5149
18	3.701	162805	21329	VV	0.112	0.4029
19	3.956	379208	43102	VV	0.131	0.9384
20	4.187	250153	27520	VV	0.134	0.6191

21	4.373	77923	10294	VV	0.114	0.1928
22	4.587	297512	44081	VV	0.102	0.7363
23	4.812	180410	19509	VV	0.135	0.4465
24	5.221	8074276	1236463	VV	0.097	19.9817
25	5.536	323567	38447	VV	0.140	0.8007
26	5.721	181652	23154	VV	0.109	0.4495
27	5.971	350531	24187	VV	0.190	0.8675
28	6.260	46716	8853	VV	0.088	0.1156
29	6.360	56023	9741	VV	0.083	0.1386
30	6.556	252191	20107	VV	0.194	0.6241
31	6.795	1210646	256034	VV	0.072	2.9960
32	6.925	6562717	1153973	VV	0.086	16.2410
33	7.268	2481741	449565	VV	0.083	6.1416
34	7.620	1731857	331092	VV	0.078	4.2859
35	7.728	2204344	379475	VV	0.086	5.4552
36	7.963	158379	24544	VV	0.108	0.3919
37	8.243	2055002	318666	VV	0.093	5.0856
38	8.330	1053262	218432	VV	0.080	2.6065
39	8.480	617032	109820	VV	0.083	1.5270
40	8.676	2538450	464460	VV	0.082	6.2820
41	9.040	670988	122897	VV	0.082	1.6605
42	9.206	383699	65942	VV	0.086	0.9496
43	9.450	815870	87637	VV	0.125	2.0191
44	9.591	202785	37604	VV	0.079	0.5018
45	9.714	303844	58320	VV	0.087	0.7519
46	9.802	466667	66501	VV	0.102	1.1549
47	10.043	186708	22677	VV	0.119	0.4621
48	10.212	350418	49163	VV	0.106	0.8672
49	10.449	179083	26591	VV	0.096	0.4432
50	10.575	289505	29423	VV	0.133	0.7164
51	10.976	63430	8891	VV	0.103	0.1570
52	11.073	70983	8079	VV	0.146	0.1757
53	11.305	24335	2904	VV	0.116	0.0602
54	11.470	25771	2604	VV	0.133	0.0638
55	11.639	14352	2084	VV	0.115	0.0355
56	11.806	17057	1698	VV	0.134	0.0422
57	11.994	11411	1419	VV	0.113	0.0282
58	12.082	12886	1310	VV	0.164	0.0319
59	12.321	17712	1069	VV	0.215	0.0438
60	12.648	3712	689	VV	0.084	0.0092
61	12.849	4241	500	VV	0.117	0.0105
62	13.004	2310	469	VV	0.077	0.0057
63	13.135	3307	409	VV	0.130	0.0082
64	13.239	2260	373	VV	0.101	0.0056
65	13.360	1336	295	VV	0.075	0.0033
66	13.501	1191	229	VV	0.073	0.0029
67	13.642	2786	207	VV	0.193	0.0069
68	13.897	308	134	VV	0.038	0.0008
69	13.959	206	88	VV	0.039	0.0005
70	14.032	371	113	VV	0.055	0.0009
71	14.295	425	137	PV	0.052	0.0011
72	14.389	453	167	VV	0.045	0.0011
73	14.448	398	124	VV	0.049	0.0010
74	14.518	708	126	VB	0.094	0.0018
75	14.890	250	71	BV	0.059	0.0006
76	15.029	581	103	PV	0.095	0.0014
77	15.170	217	71	PV	0.051	0.0005

Total area = 4.04084E+007

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\019R0101.D

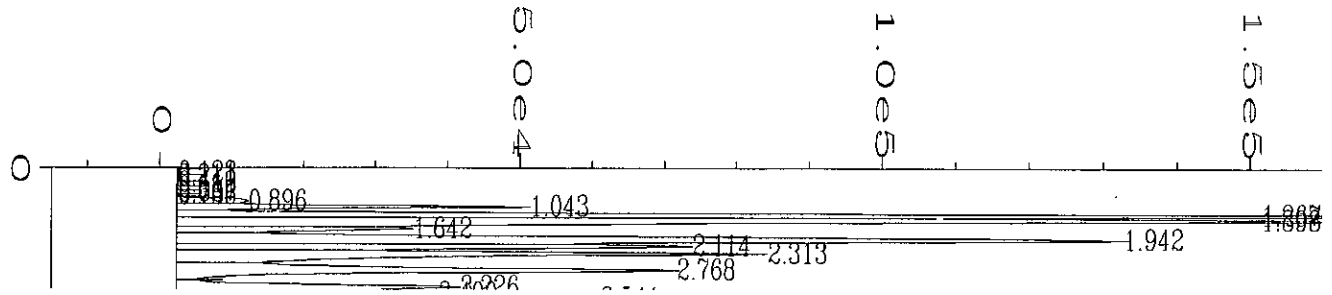
FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\019F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 19
Sample Name : 5000 GX 67-60 Injection Number : 1
Acquired on : 17-Aug-22 1:40 PM
Report Created on: 18 Aug 22 06:55 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	7.622	132326	1.38E+05
121	PID	7.728	2204344	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
35.83 ppb	FID	3.222	172645	4.82E+03
32.66 ppb	PID	3.219	840449	2.57E+04
Toluene				
325.65 ppb	FID	5.222	1533398	4.71E+03
321.74 ppb	PID	5.221	8074276	2.51E+04
Ethylbenzene				
64.96 ppb	FID	6.797	230954	3.56E+03
63.35 ppb	PID	6.795	1210646	1.91E+04
m,p-Xylenes				
278.80 ppb	FID	6.927	1124800	4.03E+03
247.56 ppb	PID	6.925	6562717	2.65E+04
o-Xylene				
102.63 ppb	FID	7.269	451193	4.40E+03
97.30 ppb	PID	7.268	2481741	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
1.56 ppb	PID	11.073	70983	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
4652.29 ppb	FID		7140246	1.53E+03
5078.03 ppb	PID		3E+07	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-132326	1.15E+03
901.11 ppb	PID		-2204344	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb
Instrument : GC2
Sample Name : 10000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 02:32 PM
Report Created on: 18 Aug 22 07:01 AM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\021F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.123	401	148	BV	0.045	0.0017
2	0.211	851	160	PB	0.088	0.0036
3	0.413	434	134	BV	0.054	0.0018
4	0.551	552	236	PV	0.039	0.0023
5	0.667	829	234	PV	0.059	0.0035
6	0.736	582	238	VV	0.041	0.0024
7	0.896	77958	9958	VV	0.126	0.3267
8	1.043	269683	49744	VV	0.080	1.1303
9	1.267	1213111	201673	VV	0.093	5.0843
10	1.398	1495968	176433	VV	0.121	6.2697
11	1.642	243468	32933	VV	0.110	1.0204
12	1.942	1345458	132010	VV	0.163	5.6389
13	2.114	571170	72071	VV	0.118	2.3938
14	2.313	806220	83070	VV	0.135	3.3789
15	2.768	744691	70147	VV	0.156	3.1211
16	3.226	350348	39522	VV	0.133	1.4683
17	3.400	259222	36491	VV	0.102	1.0864
18	3.541	487675	59420	VV	0.122	2.0439
19	3.705	374390	50808	VV	0.110	1.5691
20	3.959	705100	77091	VV	0.136	2.9551

Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb
Instrument : GC2
Sample Name : 10000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 02:32 PM
Report Created on: 18 Aug 22 07:01 AM

Page Number : 2
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.178	515704	59943	VV	0.125	2.1614
22	4.592	294374	43757	VV	0.103	1.2337
23	4.809	325168	37711	VV	0.128	1.3628
24	5.220	3227984	509856	VV	0.094	13.5288
25	5.405	380458	60119	VV	0.092	1.5945
26	5.540	352734	47552	VV	0.107	1.4783
27	5.723	215448	24053	VV	0.126	0.9030
28	5.979	342485	42175	VV	0.116	1.4354
29	6.269	45737	7889	VV	0.082	0.1917
30	6.362	48267	9015	VV	0.078	0.2023
31	6.568	242951	20308	VV	0.162	1.0182
32	6.796	494026	101403	VV	0.074	2.0705
33	6.927	2257649	396433	VV	0.086	9.4620
34	7.103	166979	33378	VV	0.074	0.6998
35	7.269	943757	170800	VV	0.084	3.9554
36	7.506	159978	28004	VV	0.084	0.6705
37	7.622	142220	33200	VV	0.071	0.5961
38	7.731	867931	152574	VV	0.085	3.6376
39	7.984	95812	13314	VV	0.107	0.4016
40	8.246	779413	114366	VV	0.098	3.2666
41	8.333	317549	65048	VV	0.081	1.3309
42	8.481	264769	46827	VV	0.083	1.1097
43	8.677	736410	149089	VV	0.075	3.0864
44	8.834	122698	16497	VV	0.106	0.5142
45	9.042	241880	43320	VV	0.084	1.0137
46	9.207	144469	24114	VV	0.087	0.6055
47	9.450	292695	29260	VV	0.133	1.2267
48	9.594	92103	16040	VV	0.083	0.3860
49	9.713	117774	22348	VV	0.078	0.4936
50	9.803	168847	24253	VV	0.101	0.7077
51	10.040	84742	10003	VV	0.121	0.3552
52	10.214	112962	15088	VV	0.112	0.4734
53	10.450	66743	9247	VV	0.105	0.2797
54	10.576	110506	10595	VV	0.140	0.4631
55	10.979	25272	3350	VV	0.109	0.1059
56	11.085	35882	3276	VV	0.144	0.1504
57	11.483	12470	1216	VV	0.171	0.0523
58	11.625	10072	985	VV	0.170	0.0422
59	11.830	11113	788	VV	0.235	0.0466
60	12.162	3584	618	VV	0.097	0.0150
61	12.309	3684	685	VV	0.078	0.0154
62	12.438	5378	568	VV	0.126	0.0225
63	12.671	3512	460	VV	0.127	0.0147
64	12.798	3988	415	VV	0.163	0.0167
65	12.961	1201	343	VV	0.058	0.0050
66	13.038	1105	399	VV	0.046	0.0046
67	13.106	3368	334	VV	0.134	0.0141
68	13.320	1532	413	VV	0.063	0.0064
69	13.405	3580	276	VV	0.216	0.0150
70	13.667	811	302	VV	0.045	0.0034
71	13.716	793	245	VV	0.054	0.0033
72	13.791	1108	331	VV	0.056	0.0046
73	13.882	968	251	VV	0.064	0.0041
74	13.986	1002	284	VV	0.056	0.0042

Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 21
Sample Name : 10000 GX 67-60
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 02:32 PM
Instrument Method: GX.MTH
Report Created on: 18 Aug 22 07:01 AM
Analysis Method : GX.MTH

75	14.063	1388	228	VV	0.102	0.0058
76	14.244	1111	284	VV	0.065	0.0047
77	14.434	2566	180	VV	0.238	0.0108
78	14.737	354	113	VV	0.052	0.0015
79	14.803	1199	185	VV	0.107	0.0050
80	14.988	516	166	PV	0.052	0.0022
81	15.124	682	238	PV	0.051	0.0029
82	15.251	588	111	PBA	0.082	0.0025

Total area = 2.38602E+007

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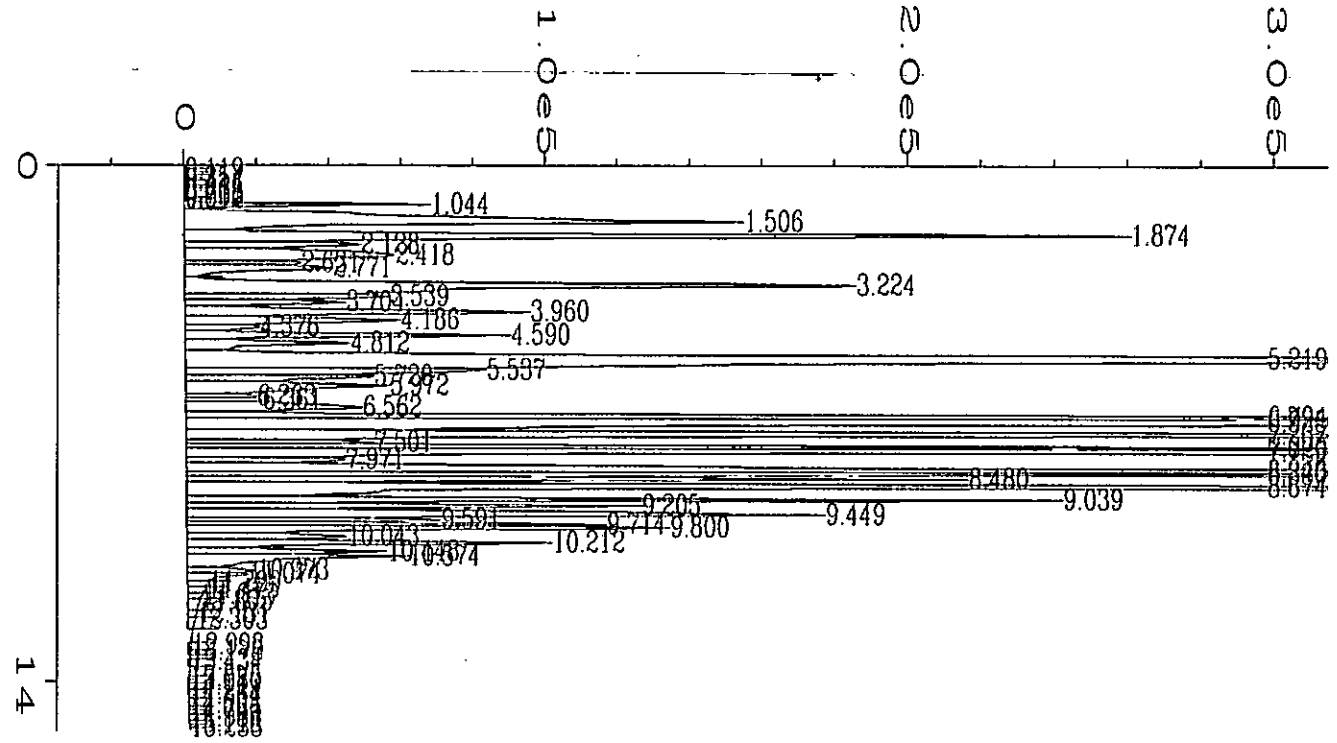

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\021R0101.D
Operator : awb
Instrument : GC2
Sample Name : 10000 GX 67-60
Run Time Bar Code:
Acquired on : 17 Aug 22 02:32 PM
Report Created on: 18 Aug 22 07:01 AM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\021R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.119	211	110	BV	0.032	0.0003
2	0.354	715	131	VV	0.091	0.0009
3	0.414	332	129	VV	0.043	0.0004
4	0.665	357	90	PV	0.066	0.0005
5	0.738	503	157	VV	0.053	0.0006
6	0.798	387	144	VV	0.045	0.0005
7	0.851	254	126	VV	0.034	0.0003
8	0.912	319	136	VV	0.039	0.0004
9	1.044	323349	69348	VV	0.071	0.4123
10	1.506	2126325	155445	VV	0.183	2.7112
11	1.874	2103413	264593	VV	0.116	2.6820
12	2.128	437239	49061	VV	0.134	0.5575
13	2.418	888723	58335	VV	0.213	1.1332
14	2.631	205173	32164	VV	0.092	0.2616
15	2.771	413730	41012	VV	0.145	0.5275
16	3.224	2132081	186382	VV	0.163	2.7185
17	3.539	446252	56889	VV	0.116	0.5690
18	3.704	337294	44748	VV	0.112	0.4301
19	3.960	838800	95751	VV	0.131	1.0695
20	4.186	536308	59688	VV	0.134	0.6838

21	4.376	159840	20750	VV	0.116	0.2038
22	4.590	605504	91014	VV	0.102	0.7720
23	4.812	421050	45830	VV	0.135	0.5369
24	5.219	1.62131E+007	2524242	VV	0.096	20.6725
25	5.537	707402	83561	VV	0.118	0.9020
26	5.720	419322	52184	VV	0.114	0.5347
27	5.972	732152	56508	VV	0.172	0.9335
28	6.263	117071	19705	VV	0.085	0.1493
29	6.361	110280	21178	VV	0.075	0.1406
30	6.562	599452	48983	VV	0.174	0.7643
31	6.794	2521696	531460	VV	0.073	3.2153
32	6.925	1.3186E+007	2322416	VV	0.086	16.8128
33	7.267	4940106	907303	VV	0.083	6.2989
34	7.501	251086	52099	VV	0.080	0.3201
35	7.620	1667195	351725	VV	0.072	2.1258
36	7.729	4109136	728072	VV	0.084	5.2393
37	7.971	315119	44100	VV	0.105	0.4018
38	8.243	4137791	646412	VV	0.093	5.2759
39	8.330	2051097	428671	VV	0.080	2.6152
40	8.480	1199254	217229	VV	0.082	1.5291
41	8.674	5007322	932772	VV	0.081	6.3846
42	9.039	1303758	243239	VV	0.081	1.6624
43	9.205	734220	130269	VV	0.083	0.9362
44	9.449	1626646	178556	VV	0.123	2.0741
45	9.591	378251	71033	VV	0.078	0.4823
46	9.714	595610	117506	VV	0.084	0.7594
47	9.800	924172	134240	VV	0.100	1.1784
48	10.043	364710	44483	VV	0.120	0.4650
49	10.212	705302	101728	VV	0.104	0.8993
50	10.448	374429	56136	VV	0.096	0.4774
51	10.574	594852	61584	VV	0.131	0.7585
52	10.973	136733	19172	VV	0.105	0.1743
53	11.074	142150	17070	VV	0.114	0.1812
54	11.299	51328	6037	VV	0.142	0.0654
55	11.475	49843	5385	VV	0.127	0.0636
56	11.643	35386	4317	VV	0.114	0.0451
57	11.805	54938	3499	VV	0.201	0.0700
58	12.131	26290	2648	VV	0.127	0.0335
59	12.303	35242	2179	VV	0.216	0.0449
60	12.998	9761	918	VV	0.177	0.0124
61	13.178	5404	755	VV	0.119	0.0069
62	13.434	6510	631	VV	0.142	0.0083
63	13.875	1544	297	VV	0.074	0.0020
64	13.980	1282	262	VV	0.082	0.0016
65	14.119	1654	210	VV	0.132	0.0021
66	14.241	655	208	VV	0.052	0.0008
67	14.364	1475	195	VV	0.102	0.0019
68	14.603	1016	111	VV	0.153	0.0013
69	14.735	601	189	VV	0.053	0.0008
70	14.785	957	202	VV	0.079	0.0012
71	14.984	296	71	PV	0.070	0.0004
72	15.118	322	105	PV	0.052	0.0004
73	15.238	256	108	PV	0.040	0.0003

Total area = 7.84284E+007

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\021R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\021F0101.D

Operator : awb Page Number : 1

Instrument : GC2 Vial Number : 21

Sample Name : 10000 GX 67-60 Injection Number : 1

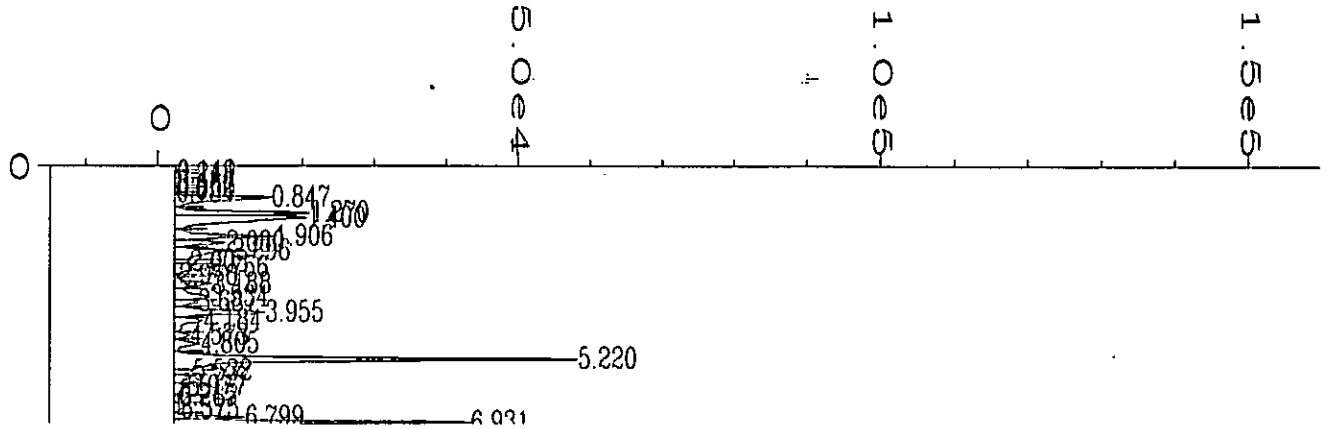
Acquired on : 17-Aug-22 2:32 PM

Report Created on: 18 Aug 22 07:01 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.622	142220	1.38E+05
226	PID	7.729	4109136	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
72.71 ppb	FID	3.226	350348	4.82E+03
82.85 ppb	PID	3.224	2132081	2.57E+04
Toluene				
685.54 ppb	FID	5.220	3227984	4.71E+03
646.06 ppb	PID	5.219	1.6E+07	2.51E+04
Ethylbenzene				
138.95 ppb	FID	6.796	494026	3.56E+03
131.94 ppb	PID	6.794	2521696	1.91E+04
m,p-Xylenes				
559.59 ppb	FID	6.927	2257649	4.03E+03
497.41 ppb	PID	6.925	1.3E+07	2.65E+04
o-Xylene				
214.66 ppb	FID	7.269	943757	4.40E+03
193.68 ppb	PID	7.267	4940106	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
3.13 ppb	PID	11.074	142150	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
10017.72 ppb	FID		1.5E+07	1.53E+03
9985.85 ppb	PID		6E+07	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-142220	1.15E+03
1679.76 ppb	PID		-4109136	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 66-35D
Run Time Bar Code:
Acquired on : 17 Aug 22 03:52 PM
Report Created on: 18 Aug 22 07:02 AM

Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-17-22\024F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.149	503	310	BV	0.027	0.0206
2	0.214	986	209	PV	0.079	0.0403
3	0.468	1605	309	PV	0.087	0.0656
4	0.563	796	296	VV	0.045	0.0326
5	0.652	751	175	VV	0.072	0.0307
6	0.734	717	258	VV	0.046	0.0293
7	0.847	108132	13603	VV	0.115	4.4207
8	1.270	117030	18944	VV	0.095	4.7845
9	1.400	198214	18433	VV	0.147	8.1034
10	1.906	89552	14004	VV	0.096	3.6611
11	2.080	47660	7143	VV	0.100	1.9484
12	2.296	84707	8011	VV	0.143	3.4630
13	2.603	10794	2175	VV	0.083	0.4413
14	2.756	46537	5033	VV	0.138	1.9025
15	2.976	2266	632	VV	0.060	0.0926
16	3.188	43878	5288	VV	0.122	1.7938
17	3.534	50383	4906	VV	0.141	2.0598
18	3.687	24686	3346	VV	0.113	1.0092
19	3.955	104185	12801	VV	0.124	4.2593
20	4.184	41728	4029	VV	0.144	1.7059

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 66-35D
Run Time Bar Code:
Acquired on : 17 Aug 22 03:52 PM
Report Created on: 18 Aug 22 07:02 AM

Page Number : 2
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.573	16130	2208	VV	0.100	0.6594
22	4.805	31082	3738	VV	0.119	1.2707
23	5.220	412436	57279	VV	0.105	16.8613
24	5.532	18411	2654	VV	0.094	0.7527
25	5.727	21384	2344	VV	0.120	0.8742
26	5.977	19712	1777	VV	0.147	0.8059
27	6.215	1987	663	VV	0.053	0.0812
28	6.267	6036	719	VV	0.140	0.2468
29	6.575	10635	889	VV	0.160	0.4348
30	6.799	47121	9893	VV	0.073	1.9264
31	6.931	245728	41478	VV	0.089	10.0459
32	7.272	106944	18684	VV	0.086	4.3721
33	7.623	162937	23745	VV	0.098	6.6612
34	7.969	7396	1188	VV	0.104	0.3023
35	8.153	11336	2869	VV	0.058	0.4634
36	8.250	98477	11104	VV	0.122	4.0259
37	8.486	25641	4404	VV	0.085	1.0483
38	8.681	80309	14785	VV	0.082	3.2832
39	8.862	7028	1287	VV	0.091	0.2873
40	9.045	23523	4215	VV	0.083	0.9617
41	9.206	12941	1989	VV	0.095	0.5291
42	9.391	11642	2045	VV	0.080	0.4759
43	9.457	12221	2355	VV	0.086	0.4996
44	9.597	7966	1350	VV	0.098	0.3257
45	9.714	9013	1601	VV	0.095	0.3685
46	9.813	11055	1612	VV	0.114	0.4520
47	10.038	4952	612	VV	0.109	0.2024
48	10.215	6546	887	VV	0.107	0.2676
49	10.465	3768	470	VV	0.104	0.1541
50	10.585	3926	537	VV	0.096	0.1605
51	10.767	1784	304	VV	0.087	0.0729
52	10.921	390	167	VV	0.039	0.0160
53	10.976	384	186	VV	0.034	0.0157
54	11.056	538	225	VV	0.040	0.0220
55	11.102	288	155	VV	0.031	0.0118
56	11.162	346	226	PV	0.025	0.0141
57	11.218	469	166	PB	0.047	0.0192
58	11.481	321	135	BV	0.040	0.0131
59	11.553	327	114	PV	0.048	0.0134
60	11.623	445	223	PV	0.033	0.0182
61	11.684	690	211	VV	0.054	0.0282
62	11.760	545	202	VV	0.045	0.0223
63	11.831	755	163	VV	0.077	0.0309
64	11.976	905	312	VV	0.048	0.0370
65	12.044	1155	181	VV	0.106	0.0472
66	12.191	559	219	VV	0.043	0.0228
67	12.280	1056	304	PV	0.051	0.0432
68	12.372	418	216	VV	0.032	0.0171
69	12.455	1081	238	VV	0.070	0.0442
70	12.548	275	127	VV	0.036	0.0112
71	12.642	1106	265	VV	0.069	0.0452
72	12.729	613	196	VV	0.052	0.0251
73	12.838	1305	230	VV	0.090	0.0533
74	12.971	626	198	VV	0.053	0.0256

Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D
Operator : awb
Page Number : 3
Instrument : GC2
Vial Number : 24
Sample Name : 1000 GX 66-35D
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 17 Aug 22 03:52 PM
Instrument Method: GX.MTH
Report Created on: 18 Aug 22 07:02 AM
Analysis Method : GX.MTH

75	13.041	724	142	VV	0.085	0.0296
76	13.159	2307	196	VV	0.151	0.0943
77	13.436	969	198	VV	0.081	0.0396
78	13.582	647	202	VV	0.053	0.0264
79	13.643	1817	198	VV	0.153	0.0743
80	13.895	839	205	VV	0.068	0.0343
81	14.002	512	199	VV	0.041	0.0209
82	14.106	1206	182	VV	0.101	0.0493
83	14.232	1144	224	PV	0.085	0.0468
84	14.359	835	221	PV	0.063	0.0341
85	14.466	712	237	PV	0.050	0.0291
86	14.607	1508	224	VV	0.112	0.0617
87	14.768	1651	170	VV	0.162	0.0675
88	15.131	1408	169	PV	0.159	0.0576

Total area = 2446050

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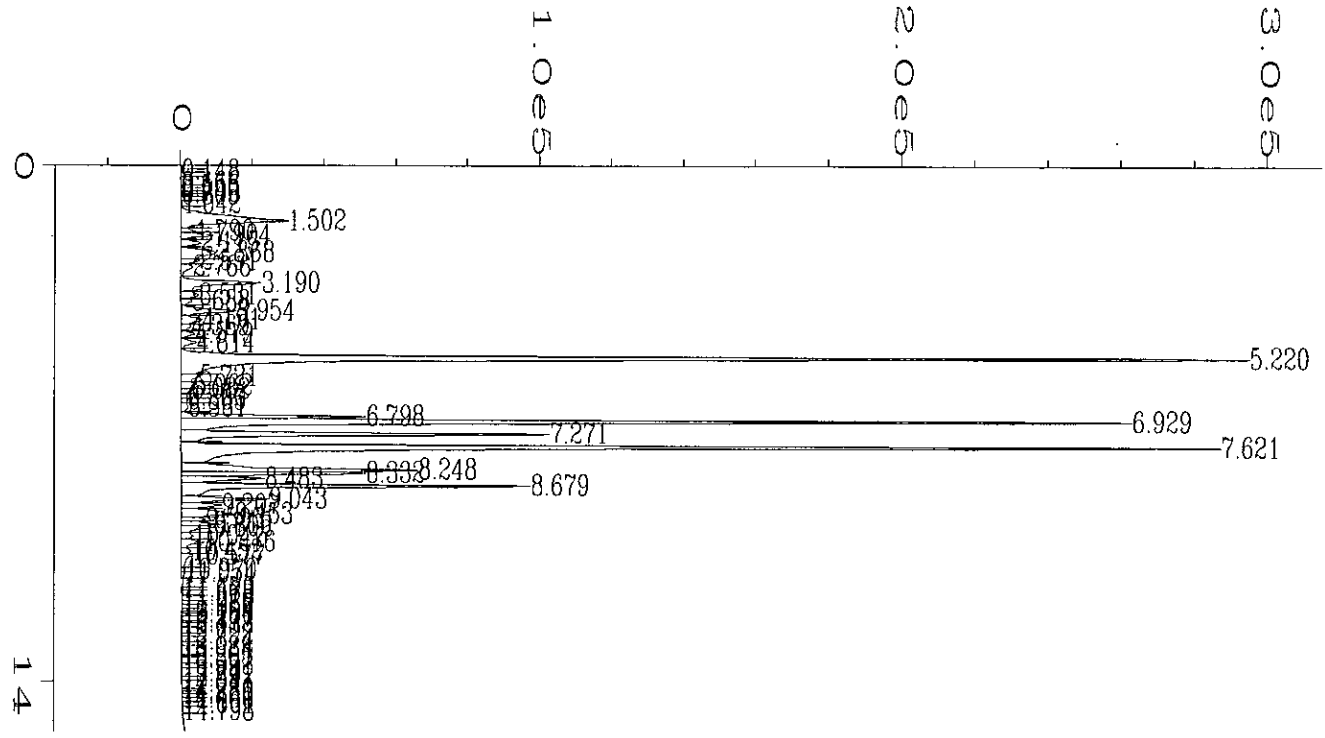

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-17-22\024R0101.D
Operator : awb
Instrument : GC2
Sample Name : 1000 GX 66-35D
Run Time Bar Code:
Acquired on : 17 Aug 22 03:52 PM
Report Created on: 18 Aug 22 07:03 AM

Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-17-22\024R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.148	203	105	BV	0.035	0.0021
2	0.466	813	161	PV	0.075	0.0084
3	0.556	266	108	VV	0.041	0.0027
4	0.740	198	101	PV	0.033	0.0020
5	0.805	98	60	PB	0.027	0.0010
6	1.042	2846	490	PV	0.089	0.0294
7	1.502	376721	30196	VV	0.167	3.8902
8	1.790	21824	3989	VV	0.080	0.2254
9	1.904	56403	9146	VV	0.094	0.5824
10	2.115	43517	5617	VV	0.122	0.4494
11	2.368	122520	9876	VV	0.178	1.2652
12	2.591	34441	5235	VV	0.095	0.3557
13	2.766	33552	3299	VV	0.146	0.3465
14	3.190	188452	22601	VV	0.122	1.9460
15	3.531	45999	4960	VV	0.136	0.4750
16	3.688	22540	3083	VV	0.107	0.2328
17	3.954	122386	15653	VV	0.120	1.2638
18	4.191	57541	6030	VV	0.141	0.5942
19	4.369	21378	2781	VV	0.115	0.2208
20	4.579	28401	3968	VV	0.108	0.2933

21	4.814	34871	4258	VV	0.122	0.3601
22	5.220	2009426	301097	VV	0.099	20.7501
23	5.721	49977	5339	VV	0.129	0.5161
24	5.962	36890	3661	VV	0.134	0.3809
25	6.082	19900	2845	VV	0.117	0.2055
26	6.260	11779	1779	VV	0.110	0.1216
27	6.365	11975	1791	VV	0.097	0.1237
28	6.561	23877	1934	VV	0.168	0.2466
29	6.798	241867	51795	VV	0.072	2.4976
30	6.929	1526129	266163	VV	0.087	15.7594
31	7.271	591164	104016	VV	0.085	6.1046
32	7.621	1863827	292149	VV	0.093	19.2466
33	8.248	448763	66854	VV	0.096	4.6341
34	8.332	257211	51638	VV	0.083	2.6561
35	8.483	138996	23518	VV	0.087	1.4353
36	8.679	563042	97887	VV	0.085	5.8142
37	9.043	140246	24522	VV	0.085	1.4482
38	9.207	71305	11387	VV	0.091	0.7363
39	9.453	142840	14781	VV	0.129	1.4750
40	9.595	37945	6822	VV	0.081	0.3918
41	9.716	49667	9082	VV	0.079	0.5129
42	9.802	65694	9221	VV	0.100	0.6784
43	10.047	26528	3218	VV	0.117	0.2739
44	10.216	50523	6447	VV	0.113	0.5217
45	10.452	18516	2764	VV	0.097	0.1912
46	10.577	35807	3284	VV	0.146	0.3698
47	10.970	6266	965	VV	0.087	0.0647
48	11.054	7160	844	VV	0.111	0.0739
49	11.470	2016	393	VV	0.073	0.0208
50	11.568	2460	352	VV	0.100	0.0254
51	11.678	2292	316	VV	0.121	0.0237
52	11.828	1552	306	VV	0.084	0.0160
53	11.952	1604	312	VV	0.079	0.0166
54	12.124	788	273	VV	0.048	0.0081
55	12.180	967	248	VV	0.065	0.0100
56	12.277	1248	248	VV	0.073	0.0129
57	12.373	518	201	VV	0.043	0.0053
58	12.432	1071	241	VV	0.074	0.0111
59	12.722	376	122	VV	0.051	0.0039
60	12.874	757	152	VV	0.075	0.0078
61	13.084	661	62	PV	0.178	0.0068
62	13.305	116	61	VV	0.031	0.0012
63	13.387	460	99.7	VV	0.064	0.0048
64	13.553	231	68	VV	0.051	0.0024
65	13.741	970	169	VV	0.080	0.0100
66	13.897	362	91	VV	0.066	0.0037
67	14.041	1010	121	PV	0.139	0.0104
68	14.230	203	110	PV	0.031	0.0021
69	14.280	247	99	VV	0.042	0.0026
70	14.358	294	101	PV	0.048	0.0030
71	14.460	284	78	PV	0.059	0.0029
72	14.601	500	161	PV	0.057	0.0052
73	14.798	643	90	PV	0.106	0.0066

Total area = 9683921

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-17-22\024R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-17-22\024F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 24
Sample Name : 1000 GX 66-35D Injection Number : 1
Acquired on : 17-Aug-22 3:52 PM
Report Created on: 18 Aug 22 07:02 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
118	FID	7.623	162937	1.38E+05
102	PID	7.621	1863827	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
9.11 ppb	FID	3.188	43878	4.82E+03
7.32 ppb	PID	3.190	188452	2.57E+04
Toluene				
87.59 ppb	FID	5.220	412436	4.71E+03
80.07 ppb	PID	5.220	2009426	2.51E+04
Ethylbenzene				
13.25 ppb	FID	6.799	47121	3.56E+03
12.66 ppb	PID	6.798	241867	1.91E+04
m,p-Xylenes				
60.91 ppb	FID	6.931	245728	4.03E+03
57.57 ppb	PID	6.929	1526129	2.65E+04
o-Xylene				
24.32 ppb	FID	7.272	106944	4.40E+03
23.18 ppb	PID	7.271	591164	2.55E+04
Nap-PID, C12-FID				
0.08 ppb	FID	11.162	346	4.16E+03
0.16 ppb	PID	11.054	7160	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
933.46 ppb	FID		1432653	1.53E+03
1080.16 ppb	PID		6452564	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-162937	1.15E+03
761.91 ppb	PID		-1863827	-2.45E+03

NWTPH-Gx
Sequence Tables

Sequence: C:\HPCHEM\2\SEQUENCE\08-23-22.SEQ

8/24

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1					
REAR						
	1		GX	1	42	1

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	water blank			
2	02-1743 lcsg/ccg			
3	02-1743 lcsv/ccv			
4	02-1743 mb			
5	208261-01 dup			
6	208261-01			
7	208310-01 - pH<2 JC0824			
8	208260-01			
9	208288-01			
10	208288-02			
11	208288-03			
12	208288-04			
13	rinse			
14	rinse			
15	208288-04			
16	208236-02			
17	208236-04			
18	208236-01			
19	208245-32			
20	208257-02			
21	208257-01 1/5			
22	208257-05 1/5			
23	rinse			
24	25 V 66-57B#2			
25	500GX 66-54C#2			
26	208261-01 dup			
27	208257-01			
28	208245-32			
29	208236-01			
30	208236-04 1/80			
31	208257-03 1/5			
32	208257-04 1/5			
33	rinse			
34	50 V 66-57B#3			
35	1000GX 66-54C#3			
36	208288-01 1/80			
37	208288-02 1/80			
38	208288-03 1/80			
39	208288-04 1/80			
40	rinse			
41	25 V 66-57B#4			
42	500GX 66-54C#4			

GC2 082372

Sequence: C:\HPCHEM\2\SEQUENCE\08-24-22.SEQ

JB 8/25

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1					
REAR						
	1		GX	1	19	1

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	water blank			
2	02-1746 lcsg/ccg			
3	02-1746 lcsv/ccv			
4	02-1746 mb - Not in tray JB 8/25			
5	02-1744 lcsg			
6	02-1744 lcsv			
7	02-1746 lcsv/ccv			
8	02-1746 mb			
9	02-1744 mb			
10	208325-02 du			
11	208325-02			
12	208325-01			
13	208236-01			
14	208236-02			
15	208257-03 1/80			
16	208257-04 1/80			
17	rinse			
18	25 V 66-57B#2			
19	500GX 66-54C#2			
99	50 V 66-57B#3			
100	1000GX 66-54C#3			

GC 08.24.22

NWTPH-Gx
Checklists

Gas/BTEX Summary Checklist for GC 2 Date 08/23/22

Instrument Operation Checklist (finalize previous sequence)	CCVs (Check if passed)
☑ Surrogate and Rinse bottle checked/filled	☑ CCV 1 BTEX Gx
☑ Same Day samples processed	***CHECK 1ST CCV BEFORE PROCEEDING***
☐ Reruns loaded and processed	☑ ☑ CCV 2 BTEX Gx
☑ QA 1 Processed 1743 ☐ QA 2 Processed ____	☑ ☑ CCV 3 BTEX Gx
☐ QA 3 Processed ____ ☐ QA 4 Processed ____	☑ ☑ CCV 4 BTEX Gx
☑ Check vials vs sequence	☐ ☐ CCV 5 BTEX Gx
☑ pH test water	☐ ☐ CCV 6 BTEX Gx

Calculation	Review
(Y) / N CCVs within 12 hours?	☑ Reintegrations calculated correctly
☐ NA Instrument errors documented	☑ Excel sheet filled out correctly
☐ Baselines reintegrated	☑ Worksheets filled out completely
(Y) / N Surrogates pass within limits?	☑ Analysis matches CoC
(Y) / N LCS values within limits?	☑ Check Matrix/Units
(Y) / N RPDs within limits?	☑ Correct QC & MB added
☑ Appropriate qualifiers added	☑ EDD info added
☑ Part Reports finished/Ready for Review	☑ Y / N Review performed w/in 24 hr

Instrument Errors	Samples to be Reanalyzed	Maintenance to be Done?
☑ Check if none	☐ Check if none	☑ Check if none
	208236-02 c.o.	
	-01	
	208257-03 VSVE	
	-04 VS	

REINJECT +12 c.o. 8-23 #5

Date/Time Finished Processing Data Pack 08-24 2201 1:10 h

Date/Time Finished Reviewing Data Pack 8/24 12:30 (2)

Gas/BTEX Summary Checklist for GC 2 Date 082422

Instrument Operation Checklist (finalize previous sequence) 6745B	CCVs (Check if passed)
☐ Surrogate and Rinse bottle checked/filled	☑ ☑ CCV 1 BTEX Gx
☐ Same Day samples processed	***CHECK 1ST CCV BEFORE PROCEEDING***
☐ Reruns loaded and processed	☑ ☑ CCV 2 BTEX Gx
☑ QA 1 Processed 1744 ☐ QA 2 Processed ____	☐ ☐ CCV 3 BTEX Gx
☐ QA 3 Processed ____ ☐ QA 4 Processed ____	☐ ☐ CCV 4 BTEX Gx
☑ Check vials vs sequence	☐ ☐ CCV 5 BTEX Gx
☐ pH test water	☐ ☐ CCV 6 BTEX Gx

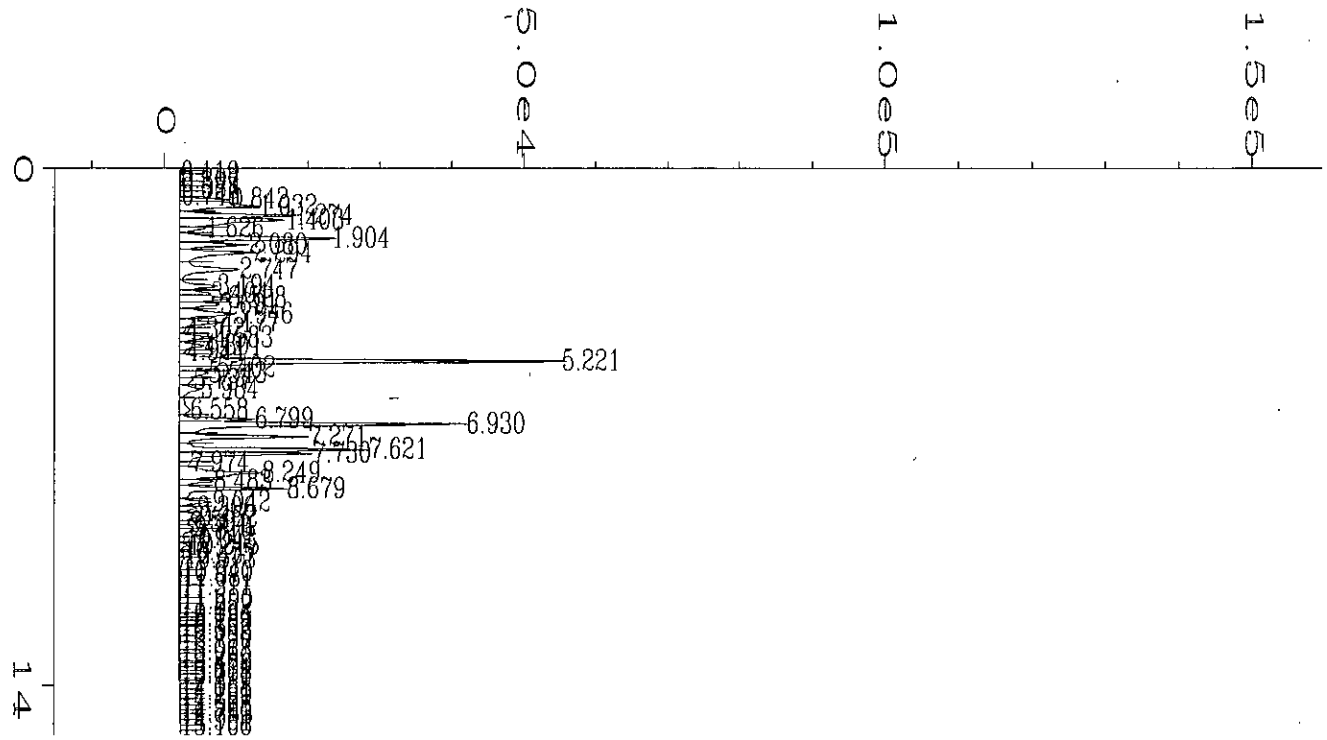
Calculation	Review
Y / N CCVs within 12 hours?	☑ Reintegrations calculated correctly
☐ NA Instrument errors documented	☑ Excel sheet filled out correctly
☐ Baselines reintegrated	☑ Worksheets filled out completely
Y / N Surrogates pass within limits?	☑ Analysis matches CoC
Y / N LCS values within limits?	☐ Check Matrix/Units
Y / N RPDs within limits?	☐ Correct QC & MB added
☐ Appropriate qualifiers added	☑ EDD info added
☑ Part Reports finished/Ready for Review	Y / N Review performed w/in 24 hr

Instrument Errors	Samples to be Reanalyzed	Maintenance to be Done?
☑ Check if none	☐ Check if none	☑ Check if none

Date/Time Finished Processing Data Pack 082522@08:37 REINJECT 4 ea JC 0824

Date/Time Finished Reviewing Data Pack 8/25 @

NWTPH-Gx
CCV Summaries



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 lcsg/ccg
Run Time Bar Code:
Acquired on : 23 Aug 22 05:49 AM
Report Created on: 23 Aug 22 06:04 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\002F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.119	202	144	BV	0.023	0.0076
2	0.307	753	194	PV	0.095	0.0284
3	0.399	414	126	VV	0.055	0.0156
4	0.553	610	131	PV	0.077	0.0230
5	0.748	705	153	VV	0.077	0.0266
6	0.842	28860	7076	VV	0.061	1.0891
7	1.032	108790	11097	VV	0.130	4.1055
8	1.274	98743	16260	VV	0.094	3.7263
9	1.403	126567	14731	VV	0.121	4.7764
10	1.626	23785	3561	VV	0.098	0.8976
11	1.904	142630	21864	VV	0.101	5.3825
12	2.080	57268	9594	VV	0.089	2.1612
13	2.294	86749	10312	VV	0.118	3.2737
14	2.747	81046	8284	VV	0.144	3.0585
15	3.194	40773	5273	VV	0.115	1.5387
16	3.404	24966	4284	VV	0.088	0.9422
17	3.528	58459	6824	VV	0.125	2.2061
18	3.691	40444	5580	VV	0.107	1.5263
19	3.946	68742	7712	VV	0.137	2.5942
20	4.177	42705	5804	VV	0.111	1.6116

Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 lcsg/ccg
Run Time Bar Code:
Acquired on : 23 Aug 22 05:49 AM
Report Created on: 23 Aug 22 06:04 AM

Page Number : 2
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.362	6225	855	VV	0.099	0.2349
22	4.583	32501	4813	VV	0.106	1.2265
23	4.801	25673	3380	VV	0.115	0.9688
24	4.944	4135	968	VV	0.071	0.1560
25	5.221	349216	54661	VV	0.096	13.1786
26	5.402	30143	5181	VV	0.097	1.1375
27	5.543	32282	4040	VV	0.112	1.2183
28	5.737	18345	1918	VV	0.134	0.6923
29	5.984	30116	2882	VV	0.145	1.1365
30	6.558	26324	1459	VV	0.240	0.9934
31	6.799	52894	10574	VV	0.076	1.9961
32	6.930	248446	40359	VV	0.091	9.3758
33	7.271	106468	18213	VV	0.087	4.0179
34	7.621	142633	26774	VV	0.080	5.3826
35	7.730	113760	18732	VV	0.088	4.2930
36	7.974	9483	1517	VV	0.104	0.3579
37	8.249	114382	11614	VV	0.133	4.3165
38	8.483	28616	4718	VV	0.089	1.0799
39	8.679	89799	15088	VV	0.088	3.3888
40	9.042	26825	4531	VV	0.089	1.0123
41	9.206	15493	2514	VV	0.103	0.5847
42	9.452	26910	2741	VV	0.131	1.0155
43	9.594	7198	1401	VV	0.074	0.2716
44	9.719	10183	1963	VV	0.075	0.3843
45	9.810	17053	2112	VV	0.116	0.6435
46	10.043	5624	790	VV	0.103	0.2122
47	10.215	8163	1152	VV	0.095	0.3081
48	10.375	1354	425	VV	0.053	0.0511
49	10.457	4186	700	VV	0.085	0.1580
50	10.573	7512	729	VV	0.132	0.2835
51	10.940	2047	296	VV	0.115	0.0773
52	11.081	2864	292	VV	0.164	0.1081
53	11.311	2631	178	VV	0.247	0.0993
54	11.690	1052	222	VV	0.066	0.0397
55	11.852	1727	191	VV	0.132	0.0652
56	12.124	676	164	VV	0.069	0.0255
57	12.185	559	172	VV	0.054	0.0211
58	12.289	719	141	VV	0.085	0.0271
59	12.392	370	111	VV	0.056	0.0140
60	12.552	1277	184	VV	0.115	0.0482
61	12.739	1005	121	VV	0.121	0.0379
62	12.877	1129	130	VV	0.145	0.0426
63	13.068	639	193	VV	0.055	0.0241
64	13.285	1198	213	VV	0.094	0.0452
65	13.456	648	214	VV	0.048	0.0245
66	13.571	879	180	VV	0.082	0.0332
67	13.668	424	146	PV	0.048	0.0160
68	13.717	1167	153	VB	0.127	0.0440
69	14.068	151	140	BV	0.024	0.0057
70	14.161	279	81	PV	0.058	0.0105
71	14.280	465	93	VV	0.071	0.0175
72	14.387	496	94	VV	0.088	0.0187
73	14.585	466	102	VV	0.081	0.0176
74	14.710	270	92	PV	0.046	0.0102

Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D
Operator : jeb
Page Number : 3
Instrument : GC2
Vial Number : 2
Sample Name : 02-1743 lcsg/ccg
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 23 Aug 22 05:49 AM
Instrument Method: GX.MTH
Report Created on: 23 Aug 22 06:04 AM
Analysis Method : GX.MTH

75	14.783	605	178	VV	0.057	0.0228
76	14.961	465	95	VV	0.081	0.0175
77	15.106	509	86	VV	0.099	0.0192

Total area = 2649873

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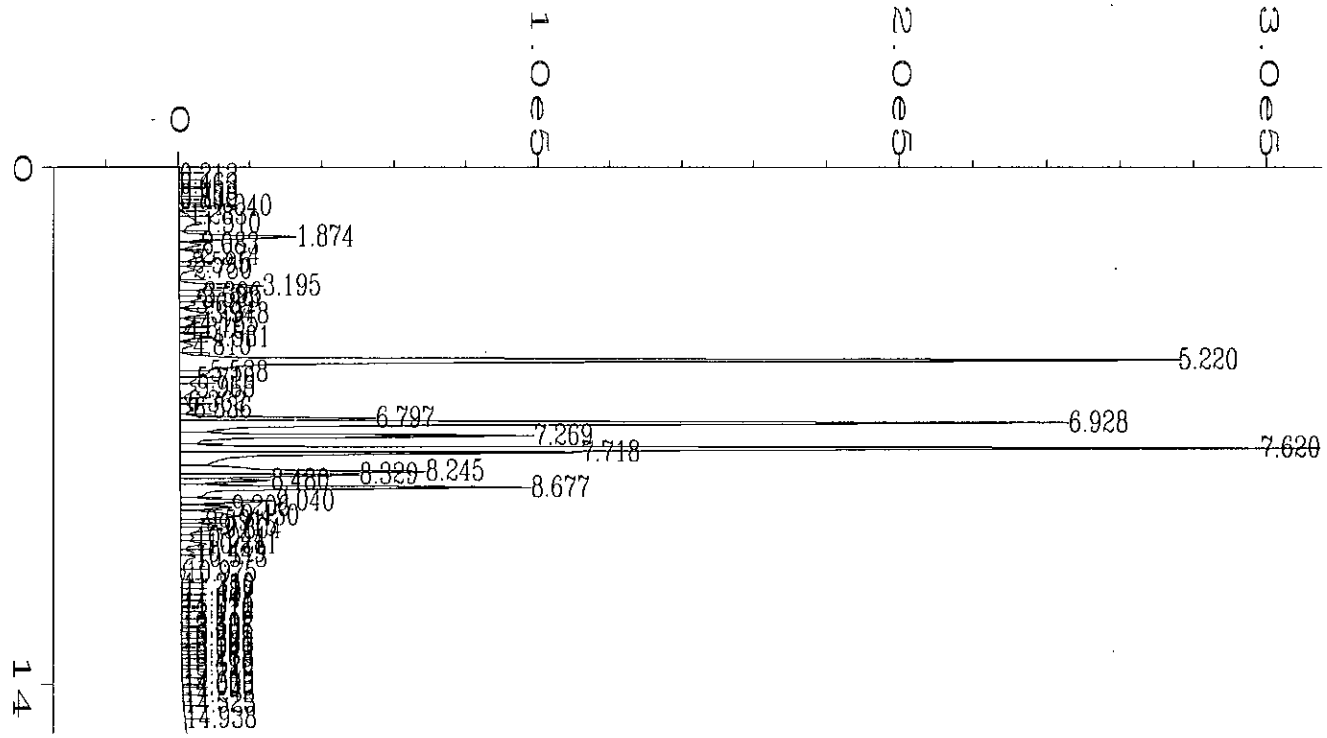

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\002R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 lcsg/ccg
Run Time Bar Code:
Acquired on : 23 Aug 22 05:49 AM
Report Created on: 23 Aug 22 06:04 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\002R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.212	468	82	BV	0.115	0.0047
2	0.463	481	77	PV	0.093	0.0048
3	0.758	799	145	PV	0.075	0.0080
4	0.839	407	98	VV	0.069	0.0041
5	0.892	433	99	VV	0.073	0.0043
6	1.040	41367	9618	VV	0.065	0.4130
7	1.283	15150	2687	VV	0.086	0.1513
8	1.510	83342	6405	VV	0.171	0.8322
9	1.874	225777	33035	VV	0.106	2.2544
10	2.083	43989	6013	VV	0.113	0.4392
11	2.374	82695	6143	VV	0.182	0.8257
12	2.595	22456	3480	VV	0.094	0.2242
13	2.750	36302	3970	VV	0.135	0.3625
14	3.195	169135	23597	VV	0.108	1.6888
15	3.396	52512	6793	VV	0.112	0.5243
16	3.523	47161	6171	VV	0.111	0.4709
17	3.689	32220	4459	VV	0.107	0.3217
18	3.948	73235	8740	VV	0.126	0.7313
19	4.185	47707	5660	VV	0.125	0.4764
20	4.370	13503	1848	VV	0.122	0.1348

21	4.581	59117	9107	VV	0.100	0.5903
22	4.810	31747	3624	VV	0.129	0.3170
23	5.220	1780774	282206	VV	0.095	17.7810
24	5.538	73245	8277	VV	0.147	0.7314
25	5.718	36943	4632	VV	0.111	0.3689
26	5.966	75644	4675	VV	0.212	0.7553
27	6.362	18430	2132	VV	0.123	0.1840
28	6.536	46428	3734	VV	0.172	0.4636
29	6.797	260787	54972	VV	0.073	2.6040
30	6.928	1466686	250167	VV	0.088	14.6449
31	7.269	577742	99338	VV	0.087	5.7688
32	7.620	1710246	321975	VV	0.081	17.0768
33	7.718	678846	111941	VV	0.101	6.7783
34	8.245	481525	69276	VV	0.099	4.8080
35	8.329	240882	50251	VV	0.080	2.4052
36	8.480	148448	25162	VV	0.087	1.4823
37	8.677	571128	98540	VV	0.086	5.7027
38	9.040	151200	26666	VV	0.085	1.5097
39	9.206	86121	14407	VV	0.088	0.8599
40	9.450	158236	16829	VV	0.127	1.5800
41	9.591	36617	6861	VV	0.078	0.3656
42	9.715	55563	10572	VV	0.088	0.5548
43	9.804	86865	11858	VV	0.106	0.8673
44	10.044	30622	3760	VV	0.115	0.3058
45	10.211	53148	7081	VV	0.110	0.5307
46	10.449	24751	3743	VV	0.096	0.2471
47	10.573	41449	4210	VV	0.132	0.4139
48	10.975	15476	1216	VV	0.170	0.1545
49	11.310	1506	378	VV	0.066	0.0150
50	11.359	1364	364	VV	0.062	0.0136
51	11.487	3311	385	VV	0.125	0.0331
52	11.642	2081	333	VV	0.086	0.0208
53	11.811	1918	279	VV	0.099	0.0191
54	11.910	695	213	VV	0.054	0.0069
55	11.976	688	201	VV	0.057	0.0069
56	12.116	2184	224	VV	0.142	0.0218
57	12.392	1516	175	VV	0.146	0.0151
58	12.437	578	170	VV	0.056	0.0058
59	12.506	659	154	VV	0.071	0.0066
60	12.705	1025	156	VV	0.111	0.0102
61	12.865	664	121	VV	0.086	0.0066
62	12.961	657	135	VV	0.081	0.0066
63	13.040	378	133	VV	0.047	0.0038
64	13.172	428	113	PV	0.056	0.0043
65	13.268	793	158	VV	0.073	0.0079
66	13.418	1114	166	VV	0.098	0.0111
67	13.522	764	194	VV	0.066	0.0076
68	13.748	1432	140	VV	0.149	0.0143
69	14.003	881	129	PV	0.093	0.0088
70	14.055	350	149	VV	0.039	0.0035
71	14.243	955	125	PV	0.111	0.0095
72	14.525	513	81	VV	0.085	0.0051
73	14.938	761	69	PV	0.143	0.0076

Total area = 1.0015E+007

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\002R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D

Operator : jeb Page Number : 1
Instrument : GC2 Vial Number : 2
Sample Name : 02-1743 lcsg/ccg Injection Number : 1
Acquired on : 23-Aug-22 5:49 AM
Report Created on: 23 Aug 22 06:04 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.621	142633	1.38E+05
94	PID	7.718	1710246	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
8.46 ppb	FID	3.194	40773	4.82E+03
6.57 ppb	PID	3.195	169135	2.57E+04
Toluene				
74.16 ppb	FID	5.221	349216	4.71E+03
70.96 ppb	PID	5.220	1780774	2.51E+04
Ethylbenzene				
14.88 ppb	FID	6.799	52894	3.56E+03
13.65 ppb	PID	6.797	260787	1.91E+04
m,p-Xylenes				
61.58 ppb	FID	6.930	248446	4.03E+03
55.33 ppb	PID	6.928	1466686	2.65E+04
o-Xylene				
24.22 ppb	FID	7.271	106468	4.40E+03
22.65 ppb	PID	7.269	577742	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.34 ppb	PID	10.975	15476	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
1039.17 ppb	FID		1594897	1.53E+03
1169.10 ppb	PID		6983845	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-142633	1.15E+03
699.13 ppb	PID		-1710246	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\025F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 23 Aug 22 03:31 PM
Report Created on: 23 Aug 22 03:46 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\025F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.243	561	89	BV	0.101	0.0406
2	0.344	915	172	VV	0.089	0.0662
3	0.550	291	134	PV	0.036	0.0211
4	0.625	285	85	VV	0.056	0.0206
5	0.740	553	179	VV	0.052	0.0400
6	0.844	40599	6565	VV	0.090	2.9354
7	1.034	17513	3405	VV	0.076	1.2663
8	1.272	49502	8228	VV	0.093	3.5791
9	1.402	65150	7462	VV	0.123	4.7105
10	1.622	12998	1964	VV	0.091	0.9398
11	1.901	70402	10910	VV	0.099	5.0903
12	2.076	30012	4929	VV	0.091	2.1699
13	2.288	46611	5229	VV	0.126	3.3701
14	2.740	44154	4273	VV	0.147	3.1925
15	3.192	19109	2469	VV	0.111	1.3817
16	3.527	43881	3510	VV	0.173	3.1728
17	3.687	18720	2769	VV	0.099	1.3535
18	3.947	36899	3963	VV	0.127	2.6679
19	4.181	23255	2654	VV	0.124	1.6814
20	4.582	17828	2608	VV	0.104	1.2890
21	4.811	14771	1831	VV	0.117	1.0680
22	5.223	180344	25660	VV	0.103	13.0394
23	5.545	15743	1985	VV	0.104	1.1383
24	5.723	9597	998	VV	0.129	0.6939
25	5.976	14535	1342	VV	0.147	1.0509
26	6.351	3869	474	VV	0.127	0.2798
27	6.537	9572	828	VV	0.160	0.6921
28	6.803	24913	5019	VV	0.075	1.8013
29	6.933	115248	18396	VV	0.093	8.3328
30	7.275	49400	8360	VV	0.088	3.5718
31	7.625	133781	25099	VV	0.081	9.6728
32	7.727	57682	9952	VV	0.084	4.1706
33	7.956	6120	1017	VV	0.100	0.4425
34	8.254	55870	5439	VV	0.138	4.0395
35	8.490	13477	2290	VV	0.086	0.9745
36	8.683	43004	6854	VV	0.091	3.1093
37	9.048	13000	2167	VV	0.090	0.9399
38	9.214	7257	1210	VV	0.087	0.5247
39	9.388	5703	1017	VV	0.084	0.4123
40	9.462	8650	1276	VV	0.113	0.6254
41	9.600	2211	680	VV	0.054	0.1599
42	9.722	5685	976	VV	0.082	0.4110
43	9.804	7248	1078	VV	0.112	0.5240
44	9.973	1071	394	VV	0.045	0.0774
45	10.089	3984	443	VV	0.128	0.2881
46	10.215	4530	592	VV	0.106	0.3275
47	10.448	2262	485	VV	0.065	0.1635

Data File Name : C:\HPCHEM\2\DATA\02-23-22\025F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 23 Aug 22 03:31 PM
Report Created on: 23 Aug 22 03:46 PM

Page Number : 2
Vial Number : 25
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	10.563	2744	486	VV	0.082	0.1984
49	10.681	1850	349	VV	0.088	0.1338
50	10.825	951	251	VV	0.063	0.0688
51	10.999	1845	324	VV	0.103	0.1334
52	11.064	1535	279	VV	0.092	0.1110
53	11.253	712	151	VV	0.079	0.0515
54	11.332	498	186	VV	0.045	0.0360
55	11.426	719	197	VV	0.061	0.0520
56	11.476	727	206	VV	0.059	0.0526
57	11.583	695	237	VV	0.049	0.0503
58	11.719	979	218	PV	0.075	0.0708
59	11.825	380	150	VV	0.045	0.0275
60	11.920	898	203	VV	0.074	0.0649
61	11.997	413	170	VV	0.041	0.0299
62	12.061	1518	157	VV	0.130	0.1097
63	12.269	904	141	VV	0.107	0.0653
64	12.426	785	178	VV	0.073	0.0568
65	12.639	2384	195	VV	0.204	0.1724
66	12.990	1274	183	VV	0.093	0.0921
67	13.157	626	140	VV	0.062	0.0452
68	13.227	390	136	VV	0.048	0.0282
69	13.307	513	161	VV	0.053	0.0371
70	13.421	902	174	VV	0.086	0.0652
71	13.502	1159	163	VV	0.116	0.0838
72	13.682	706	192	VV	0.061	0.0511
73	13.772	816	166	VV	0.069	0.0590
74	13.862	725	155	VV	0.078	0.0524
75	13.967	573	161	VV	0.059	0.0414
76	14.092	795	218	VV	0.061	0.0575
77	14.256	1175	241	VV	0.081	0.0850
78	14.399	1556	173	PV	0.150	0.1125
79	14.599	527	245	VV	0.036	0.0381
80	14.691	267	166	VV	0.027	0.0193
81	14.827	863	142	VV	0.101	0.0624
82	14.950	257	123	VV	0.035	0.0186
83	15.016	186	119	PV	0.026	0.0134
84	15.070	296	87	VV	0.057	0.0214
85	15.144	161	109	PV	0.025	0.0116

Total area = 1383067

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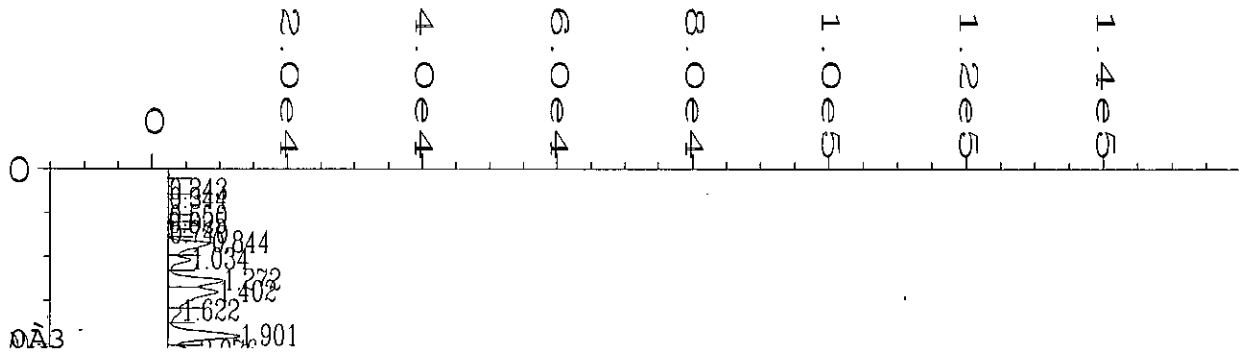
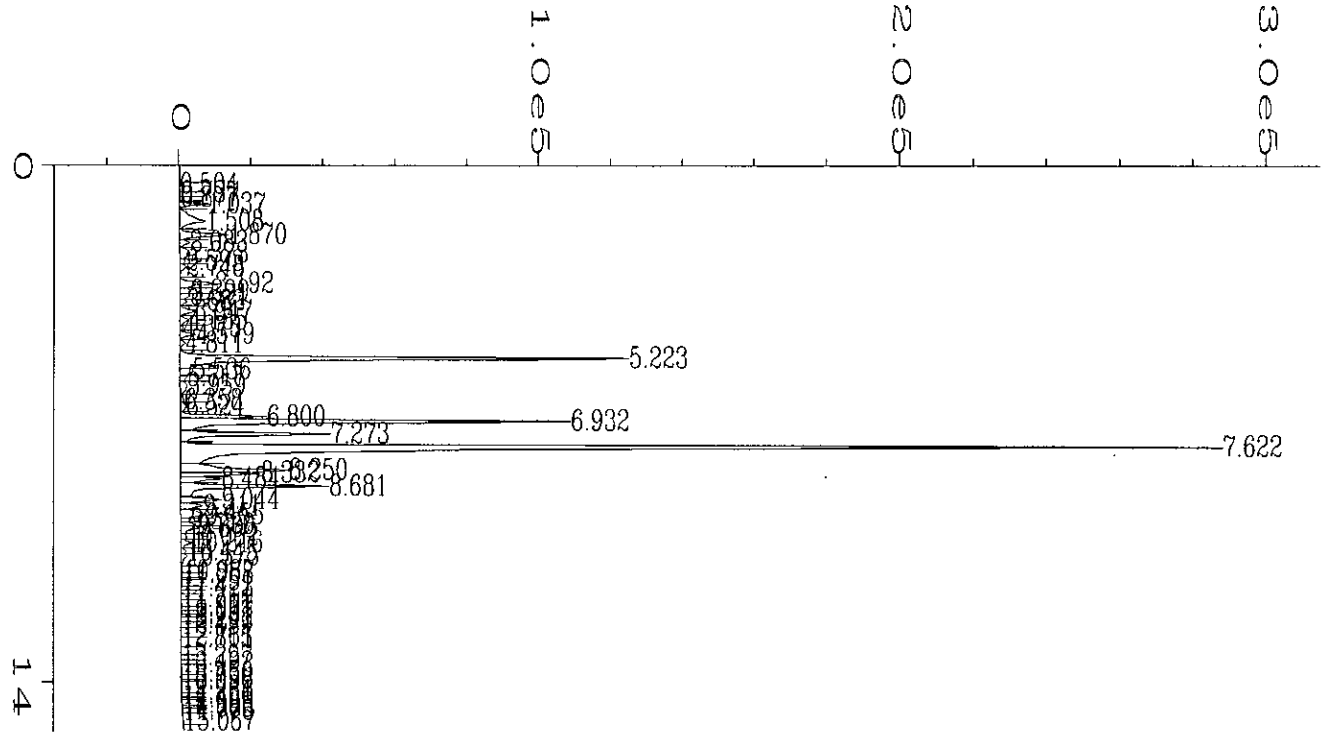


Data File Name	: C:\HPCHEM\2\DATA\02-23-22\025F0101.D		
Operator	: jeb	Page Number	: 1
Instrument	: GC2	Vial Number	: 25
Sample Name	: 500GX 66-54C#2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 23 Aug 22 03:31 PM	Instrument Method	: GX.MTH
Report Created on	: 23 Aug 22 03:46 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\025R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 23 Aug 22 03:31 PM
Report Created on: 23 Aug 22 03:46 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\025R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.504	388	86	PV	0.114	0.0073
2	0.737	412	106	VV	0.058	0.0077
3	0.877	427	99	VV	0.070	0.0080
4	1.037	37040	8337	VV	0.067	0.6918
5	1.508	93419	7018	VV	0.176	1.7447
6	1.870	93378	13595	VV	0.107	1.7440
7	2.083	19899	2656	VV	0.115	0.3716
8	2.373	37623	2785	VV	0.189	0.7027
9	2.593	10215	1544	VV	0.098	0.1908
10	2.748	16238	1787	VV	0.132	0.3033
11	3.192	70987	9849	VV	0.109	1.3258
12	3.399	23919	3036	VV	0.115	0.4467
13	3.521	20642	2759	VV	0.114	0.3855
14	3.682	13456	1837	VV	0.109	0.2513
15	3.947	31750	3942	VV	0.122	0.5930
16	4.185	20432	2423	VV	0.123	0.3816
17	4.373	4979	773	VV	0.088	0.0930
18	4.579	27174	4355	VV	0.098	0.5075
19	4.811	11906	1509	VV	0.117	0.2224
20	5.223	787898	126200	VV	0.093	14.7150

21	5.536	31003	3493	VV	0.148	0.5790
22	5.717	15419	1939	VV	0.109	0.2880
23	5.959	29535	1907	VV	0.194	0.5516
24	6.358	8837	918	VV	0.161	0.1650
25	6.524	18674	1545	VV	0.170	0.3488
26	6.800	114342	24040	VV	0.073	2.1355
27	6.932	641383	109319	VV	0.088	11.9787
28	7.273	245359	42679	VV	0.086	4.5824
29	7.622	1939922	291426	VV	0.097	36.2306
30	8.250	221405	30320	VV	0.103	4.1350
31	8.332	109435	22291	VV	0.082	2.0438
32	8.484	69906	11364	VV	0.090	1.3056
33	8.681	252509	41580	VV	0.089	4.7159
34	9.044	67593	11424	VV	0.088	1.2624
35	9.211	38767	6222	VV	0.090	0.7240
36	9.455	65930	6806	VV	0.130	1.2313
37	9.593	14010	2713	VV	0.075	0.2616
38	9.720	22535	4317	VV	0.076	0.4209
39	9.805	37806	4892	VV	0.110	0.7061
40	10.052	13187	1683	VV	0.111	0.2463
41	10.216	23158	2927	VV	0.114	0.4325
42	10.445	10249	1611	VV	0.093	0.1914
43	10.575	17601	1818	VV	0.130	0.3287
44	10.987	3816	476	VV	0.105	0.0713
45	11.058	2345	402	VV	0.097	0.0438
46	11.251	1382	178	VV	0.099	0.0258
47	11.423	561	136	VB	0.066	0.0105
48	11.711	411	111	BV	0.057	0.0077
49	11.907	1321	220	PV	0.116	0.0247
50	11.971	983	176	VV	0.075	0.0184
51	12.097	827	165	VV	0.077	0.0154
52	12.181	505	156	VV	0.054	0.0094
53	12.292	504	134	VV	0.063	0.0094
54	12.439	491	92	PV	0.088	0.0092
55	12.761	1031	118	VV	0.146	0.0193
56	12.815	1365	111	VV	0.205	0.0255
57	13.297	419	102	VV	0.069	0.0078
58	13.492	369	117	PV	0.053	0.0069
59	13.750	1446	135	VV	0.174	0.0270
60	13.898	578	123	VV	0.083	0.0108
61	13.956	230	106	VV	0.036	0.0043
62	14.251	1506	121	VV	0.216	0.0281
63	14.356	618	127	PV	0.071	0.0115
64	14.453	207	138	PV	0.025	0.0039
65	14.588	780	160	PV	0.071	0.0146
66	14.685	167	87	PV	0.032	0.0031
67	14.776	603	128	PV	0.087	0.0113
68	15.067	1167	116	PV	0.136	0.0218

Total area = 5354377

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\025R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\025F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 25

Sample Name : 500GX 66-54C#2 Injection Number : 1

Acquired on : 23-Aug-22 3:31 PM

Report Created on: 23 Aug 22 03:46 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
97	FID	7.727	133781	1.38E+05
107	PID	7.622	1939922	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
3.97 ppb	FID	3.192	19109	4.82E+03
2.76 ppb	PID	3.192	70987	2.57E+04
Toluene				
38.30 ppb	FID	5.223	180344	4.71E+03
31.40 ppb	PID	5.223	787898	2.51E+04
Ethylbenzene				
7.01 ppb	FID	6.803	24913	3.56E+03
5.98 ppb	PID	6.800	114342	1.91E+04
m,p-Xylenes				
28.57 ppb	FID	6.933	115248	4.03E+03
24.19 ppb	PID	6.932	641383	2.65E+04
o-Xylene				
11.24 ppb	FID	7.275	49400	4.40E+03
9.62 ppb	PID	7.273	245359	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.08 ppb	PID	11.058	3816	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
504.20 ppb	FID		773837	1.53E+03
463.86 ppb	PID		2770950	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-133781	1.15E+03
793.01 ppb	PID		-1939922	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\035F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 1000GX 66-54C#3
Run Time Bar Code:
Acquired on : 23 Aug 22 07:52 PM
Report Created on: 23 Aug 22 08:08 PM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\035F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.098	216	133	BV	0.027	0.0091
2	0.262	869	170	PV	0.079	0.0366
3	0.329	595	148	VV	0.067	0.0251
4	0.422	275	113	PV	0.041	0.0116
5	0.600	1007	149	VV	0.117	0.0424
6	0.667	335	180	VV	0.031	0.0141
7	0.872	98544	12014	VV	0.128	4.1528
8	1.035	39278	7560	VV	0.076	1.6552
9	1.272	81965	13290	VV	0.095	3.4541
10	1.401	109632	12341	VV	0.126	4.6201
11	1.632	19423	2952	VV	0.110	0.8185
12	1.903	124916	18812	VV	0.102	5.2642
13	2.079	50347	8320	VV	0.090	2.1217
14	2.294	75242	8675	VV	0.122	3.1708
15	2.752	73647	7004	VV	0.154	3.1036
16	3.195	37912	4908	VV	0.115	1.5977
17	3.414	24492	3822	VV	0.097	1.0321
18	3.529	48286	5879	VV	0.121	2.0348
19	3.689	33342	4677	VV	0.106	1.4051
20	3.947	59009	6389	VV	0.139	2.4867
21	4.181	41373	4762	VV	0.127	1.7435
22	4.583	28472	4175	VV	0.104	1.1999
23	4.807	21197	2831	VV	0.116	0.8933
24	4.946	3445	766	VV	0.075	0.1452
25	5.221	345647	49752	VV	0.102	14.5661
26	5.542	26728	3337	VV	0.118	1.1264
27	5.744	15793	1530	VV	0.133	0.6655
28	5.982	23065	2340	VV	0.134	0.9720
29	6.198	2280	536	VV	0.071	0.0961
30	6.538	20211	1241	VV	0.208	0.8517
31	6.799	49294	10044	VV	0.075	2.0773
32	6.930	230044	38051	VV	0.090	9.6944
33	7.271	96697	17303	VV	0.085	4.0750
34	7.621	135053	25576	VV	0.079	5.6914
35	7.729	109751	17594	VV	0.089	4.6251
36	8.248	106055	10846	VV	0.132	4.4693
37	8.484	25043	4338	VV	0.084	1.0554
38	8.680	82896	14292	VV	0.086	3.4934
39	9.043	24198	4283	VV	0.084	1.0197
40	9.209	13885	2327	VV	0.087	0.5851
41	9.452	26014	2590	VV	0.131	1.0963
42	9.585	5912	1246	VV	0.067	0.2491
43	9.721	9791	1855	VV	0.078	0.4126
44	9.805	14235	2165	VV	0.110	0.5999
45	9.942	1432	549	VV	0.043	0.0604
46	10.053	5697	800	VV	0.094	0.2401
47	10.214	8770	1132	VV	0.110	0.3696

Data File Name : C:\HPCHEM\2\DATA\02-23-22\035F0101.D
Operator : jeb
Page Number : 2
Instrument : GC2
Vial Number : 35
Sample Name : 1000GX 66-54C#3
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 23 Aug 22 07:52 PM
Instrument Method: GX.MTH
Report Created on: 23 Aug 22 08:08 PM
Analysis Method : GX.MTH

48	10.462	3945	627	VV	0.105	0.1662
49	10.578	6457	800	VV	0.109	0.2721
50	10.825	970	174	VV	0.093	0.0409
51	10.951	980	250	VV	0.059	0.0413
52	11.036	824	206	VV	0.067	0.0347
53	11.132	613	200	VV	0.051	0.0258
54	11.480	253	79	VV	0.053	0.0107
55	11.648	148	82	PV	0.030	0.0062
56	12.046	244	73	BV	0.058	0.0103
57	12.177	150	90	PV	0.028	0.0063
58	12.904	171	103	PV	0.028	0.0072
59	13.107	425	90	PV	0.078	0.0179
60	13.226	812	115	VV	0.118	0.0342
61	13.499	253	95	PV	0.042	0.0107
62	13.682	1152	133	VV	0.144	0.0485
63	13.929	411	91	VV	0.075	0.0173
64	13.991	311	110	VV	0.047	0.0131
65	14.555	677	118	VV	0.096	0.0285
66	14.804	636	98	VV	0.108	0.0268
67	14.900	236	120	PV	0.033	0.0100
68	14.955	266	89	VV	0.050	0.0112
69	15.053	427	99.6	VV	0.071	0.0180
70	15.215	142	75	PV	0.031	0.0060
71	15.284	133	52	PBA	0.042	0.0056

Total area = 2372948

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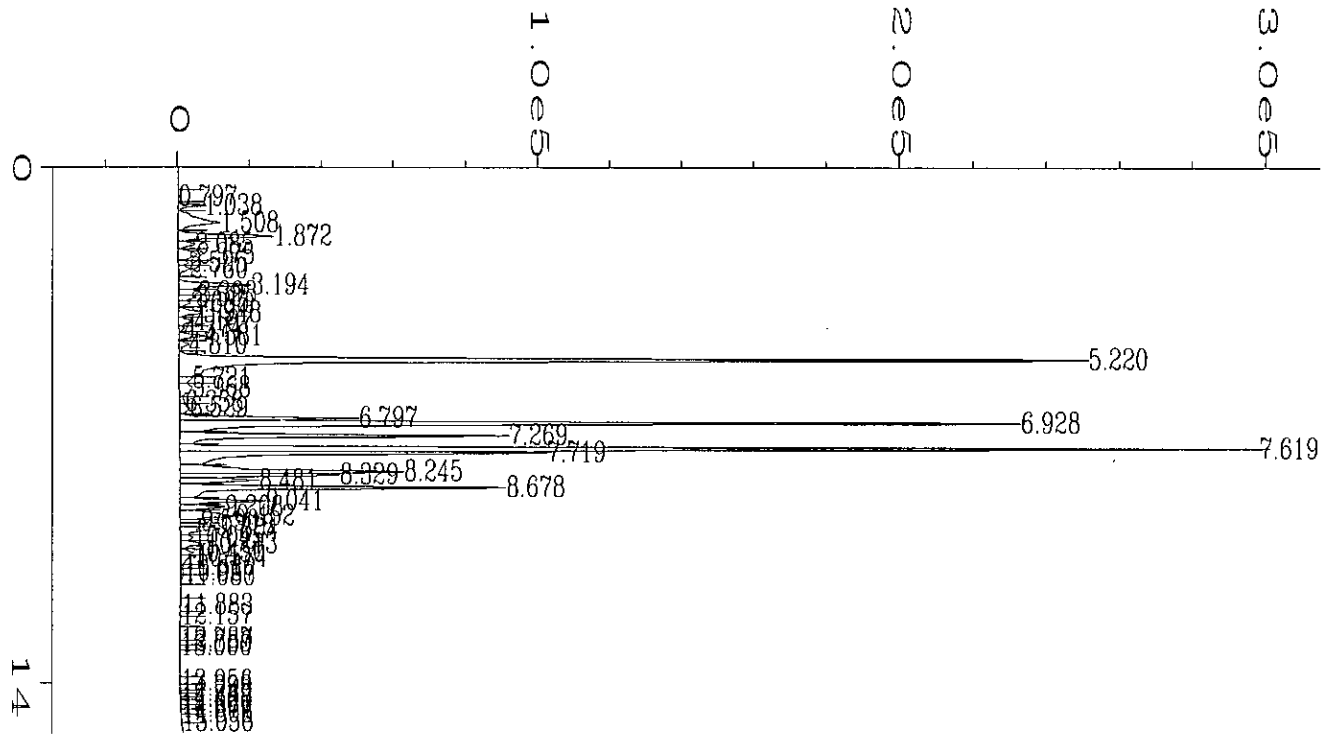
Data File Name	: C:\HPCHEM\2\DATA\02-23-22\035F0101.D		
Operator	: jeb	Page Number	: 1
Instrument	: GC2	Vial Number	: 35
Sample Name	: 1000GX 66-54C#3	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 23 Aug 22 07:52 PM	Instrument Method	: GX.MTH
Report Created on	: 23 Aug 22 08:08 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\035R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 1000GX 66-54C#3
Run Time Bar Code:
Acquired on : 23 Aug 22 07:52 PM
Report Created on: 23 Aug 22 08:08 PM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\035R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.797	1624	150	PV	0.151	0.0180
2	1.038	35875	7977	PV	0.068	0.3977
3	1.508	155700	11673	VV	0.177	1.7260
4	1.872	183021	26742	VV	0.106	2.0288
5	2.085	35449	4677	VV	0.117	0.3930
6	2.375	66257	5019	VV	0.176	0.7345
7	2.595	19555	2926	VV	0.096	0.2168
8	2.760	28196	3046	VV	0.139	0.3126
9	3.194	145802	20410	VV	0.108	1.6163
10	3.398	44257	5437	VV	0.119	0.4906
11	3.525	33860	4765	VV	0.106	0.3753
12	3.685	24104	3321	VV	0.108	0.2672
13	3.948	55214	6672	VV	0.126	0.6121
14	4.187	35344	4224	VV	0.125	0.3918
15	4.374	10938	1371	VV	0.133	0.1213
16	4.581	46809	7221	VV	0.099	0.5189
17	4.810	22632	2669	VV	0.125	0.2509
18	5.220	1666935	256389	VV	0.097	18.4785
19	5.721	28770	3595	VV	0.110	0.3189
20	5.968	55593	3512	VV	0.204	0.6163

21	6.358	14069	1463	VV	0.160	0.1560
22	6.529	33550	2718	VV	0.179	0.3719
23	6.797	237422	50433	VV	0.072	2.6319
24	6.928	1354401	236354	VV	0.086	15.0139
25	7.269	520201	92345	VV	0.085	5.7666
26	7.619	1602248	307442	VV	0.079	17.7614
27	7.719	608290	102390	VV	0.099	6.7431
28	8.245	429335	63463	VV	0.097	4.7593
29	8.329	213427	44790	VV	0.079	2.3659
30	8.481	128063	22108	VV	0.085	1.4196
31	8.678	514628	91445	VV	0.084	5.7048
32	9.041	133815	23857	VV	0.084	1.4834
33	9.208	74425	12633	VV	0.087	0.8250
34	9.452	143119	15535	VV	0.125	1.5865
35	9.590	28382	5610	VV	0.074	0.3146
36	9.718	49940	9742	VV	0.075	0.5536
37	9.804	81217	11155	VV	0.105	0.9003
38	10.045	26164	3448	VV	0.109	0.2900
39	10.213	50978	7090	VV	0.107	0.5651
40	10.450	23213	3583	VV	0.094	0.2573
41	10.574	32205	4174	VV	0.107	0.3570
42	10.810	3239	645	VV	0.084	0.0359
43	10.967	6794	805	VV	0.125	0.0753
44	11.080	4171	670	VB	0.104	0.0462
45	11.883	2873	228	PV	0.166	0.0318
46	12.157	1019	180	VV	0.107	0.0113
47	12.787	2674	207	PV	0.211	0.0296
48	12.889	573	165	VV	0.061	0.0064
49	13.000	393	131	PV	0.049	0.0044
50	13.956	811	93	PV	0.114	0.0090
51	14.098	721	99	VV	0.107	0.0080
52	14.243	224	94	VV	0.040	0.0025
53	14.359	599	115	VV	0.072	0.0066
54	14.408	201	98	VV	0.034	0.0022
55	14.560	395	87	PV	0.082	0.0044
56	14.671	433	110	PV	0.058	0.0048
57	14.808	455	77	VV	0.099	0.0050
58	15.056	349	64	PV	0.083	0.0039

Total area = 9020952

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\035R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\035F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 35

Sample Name : 1000GX 66-54C#3 Injection Number : 1

Acquired on : 23-Aug-22 7:52 PM

Report Created on: 23 Aug 22 08:08 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
98	FID	7.729	135053	1.38E+05
88	PID	7.719	1602248	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
7.87 ppb	FID	3.195	37912	4.82E+03
5.67 ppb	PID	3.194	145802	2.57E+04
Toluene				
73.41 ppb	FID	5.221	345647	4.71E+03
66.42 ppb	PID	5.220	1666935	2.51E+04
Ethylbenzene				
13.86 ppb	FID	6.799	49294	3.56E+03
12.42 ppb	PID	6.797	237422	1.91E+04
m,p-Xylenes				
57.02 ppb	FID	6.930	230044	4.03E+03
51.09 ppb	PID	6.928	1354401	2.65E+04
o-Xylene				
21.99 ppb	FID	7.271	96697	4.40E+03
20.39 ppb	PID	7.269	520201	2.55E+04
Nap-PID, C12-FID				
0.15 ppb	FID	11.132	613	4.16E+03
0.15 ppb	PID	11.080	6794	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end			
932.40 ppb	FID	1431032	1.53E+03
1041.84 ppb	PID	6223644	5.97E+03
AK 101 Gasoline C6-C10			
0.00 ppb	FID	-135053	1.15E+03
654.98 ppb	PID	-1602248	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-24-22\002F0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1746 lcsg/ccg
Run Time Bar Code:
Acquired on : 24 Aug 22 06:27 AM
Report Created on: 24 Aug 22 06:42 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-24-22\002F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.089	234	70	BV	0.056	0.0094
2	0.259	874	170	VV	0.089	0.0349
3	0.379	421	160	VV	0.044	0.0168
4	0.453	258	123	PV	0.035	0.0103
5	0.511	359	139	VV	0.043	0.0143
6	0.559	665	156	VV	0.071	0.0266
7	0.692	532	144	VV	0.063	0.0212
8	0.752	420	179	PV	0.039	0.0168
9	0.842	26402	6819	VV	0.065	1.0541
10	0.961	44308	8042	VV	0.082	1.7690
11	1.034	61592	10217	VV	0.085	2.4590
12	1.276	91596	14905	VV	0.095	3.6569
13	1.404	118813	13710	VV	0.123	4.7435
14	1.625	22362	3388	VV	0.097	0.8928
15	1.904	139036	21041	VV	0.102	5.5509
16	2.081	54781	9095	VV	0.090	2.1871
17	2.295	84691	9915	VV	0.120	3.3812
18	2.748	77576	7835	VV	0.141	3.0972
19	3.197	45641	5989	VV	0.113	1.8222
20	3.413	24995	4103	VV	0.102	0.9979
21	3.529	55320	6487	VV	0.127	2.2086
22	3.694	36588	5341	VV	0.102	1.4608
23	3.947	65208	7341	VV	0.135	2.6034
24	4.182	43845	5422	VV	0.120	1.7505
25	4.583	30320	4623	VV	0.102	1.2105
26	4.804	26076	3111	VV	0.127	1.0411
27	5.223	345133	54693	VV	0.095	13.7793
28	5.401	27948	4764	VV	0.098	1.1158
29	5.544	30164	3764	VV	0.111	1.2043
30	5.732	16399	1626	VV	0.136	0.6547
31	5.985	24350	2605	VV	0.131	0.9722
32	6.373	5540	565	VV	0.135	0.2212
33	6.571	15051	1225	VV	0.165	0.6009
34	6.800	54481	11375	VV	0.074	2.1751
35	6.931	251715	41640	VV	0.090	10.0496
36	7.272	106166	19030	VV	0.084	4.2386
37	7.623	142026	27220	VV	0.079	5.6703
38	7.731	107775	18266	VV	0.086	4.3028
39	8.249	107156	11242	VV	0.129	4.2781
40	8.484	24753	4369	VV	0.084	0.9883
41	8.680	81580	14585	VV	0.083	3.2570
42	9.045	22993	4098	VV	0.084	0.9180
43	9.212	12487	2188	VV	0.081	0.4985
44	9.454	21670	2314	VV	0.126	0.8652
45	9.596	5103	1003	VV	0.085	0.2037
46	9.712	8598	1632	VV	0.076	0.3433
47	9.810	11446	1770	VV	0.094	0.4570

Data File Name : C:\HPCHEM\2\DATA\08-24-22\002F0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1746 lcsg/ccg
Run Time Bar Code:
Acquired on : 24 Aug 22 06:27 AM
Report Created on: 24 Aug 22 06:42 AM

Page Number : 2
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	10.059	3436	481	VV	0.119	0.1372
49	10.215	4428	753	VV	0.089	0.1768
50	10.462	1671	367	PV	0.070	0.0667
51	10.578	1990	487	VV	0.068	0.0794
52	10.958	2215	166	BV	0.223	0.0885
53	11.253	584	122	VV	0.069	0.0233
54	11.369	267	111	PV	0.040	0.0107
55	11.443	668	122	PV	0.091	0.0267
56	11.570	796	91	VV	0.146	0.0318
57	11.871	869	143	VV	0.101	0.0347
58	12.082	803	110	VV	0.122	0.0321
59	12.257	557	134	PB	0.069	0.0222
60	12.739	547	95	PV	0.096	0.0218
61	12.926	450	144	PV	0.052	0.0180
62	13.027	235	94	PV	0.042	0.0094
63	13.095	284	123	VV	0.039	0.0113
64	13.190	855	170	PV	0.084	0.0342
65	13.342	264	105	PV	0.042	0.0105
66	13.427	495	144	VV	0.057	0.0198
67	13.494	635	105	VV	0.101	0.0254
68	13.633	486	121	VV	0.065	0.0194
69	13.718	606	148	PV	0.067	0.0242
70	13.795	972	113	VV	0.143	0.0388
71	13.973	410	140	VV	0.049	0.0164
72	14.083	1371	141	VV	0.131	0.0547
73	14.270	358	147	VV	0.041	0.0143
74	14.346	949	148	VV	0.095	0.0379
75	14.501	329	170	VV	0.032	0.0131
76	14.564	802	128	PV	0.104	0.0320
77	14.791	539	89	VV	0.094	0.0215
78	15.133	411	106	VBA	0.065	0.0164

Total area = 2504731

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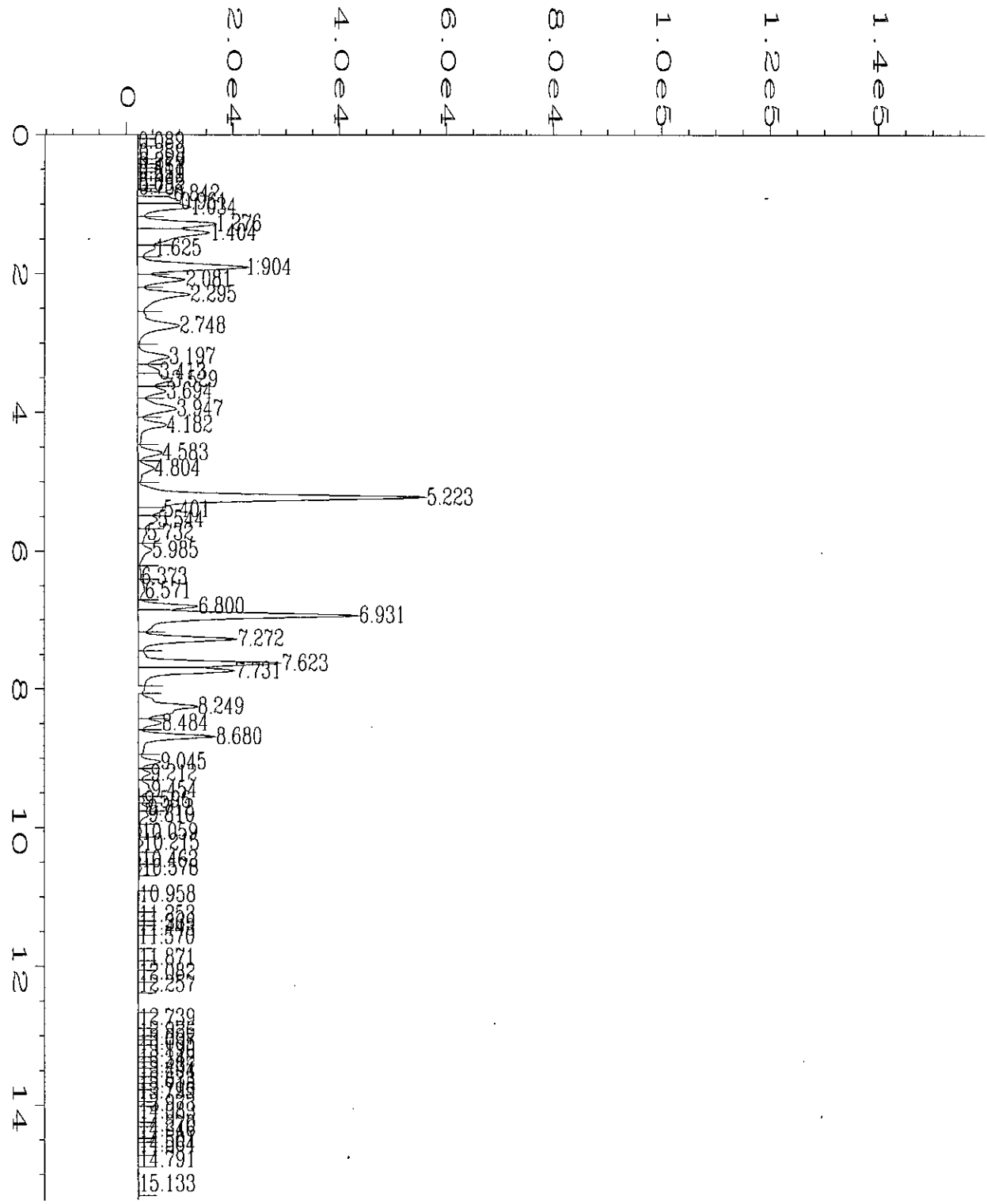
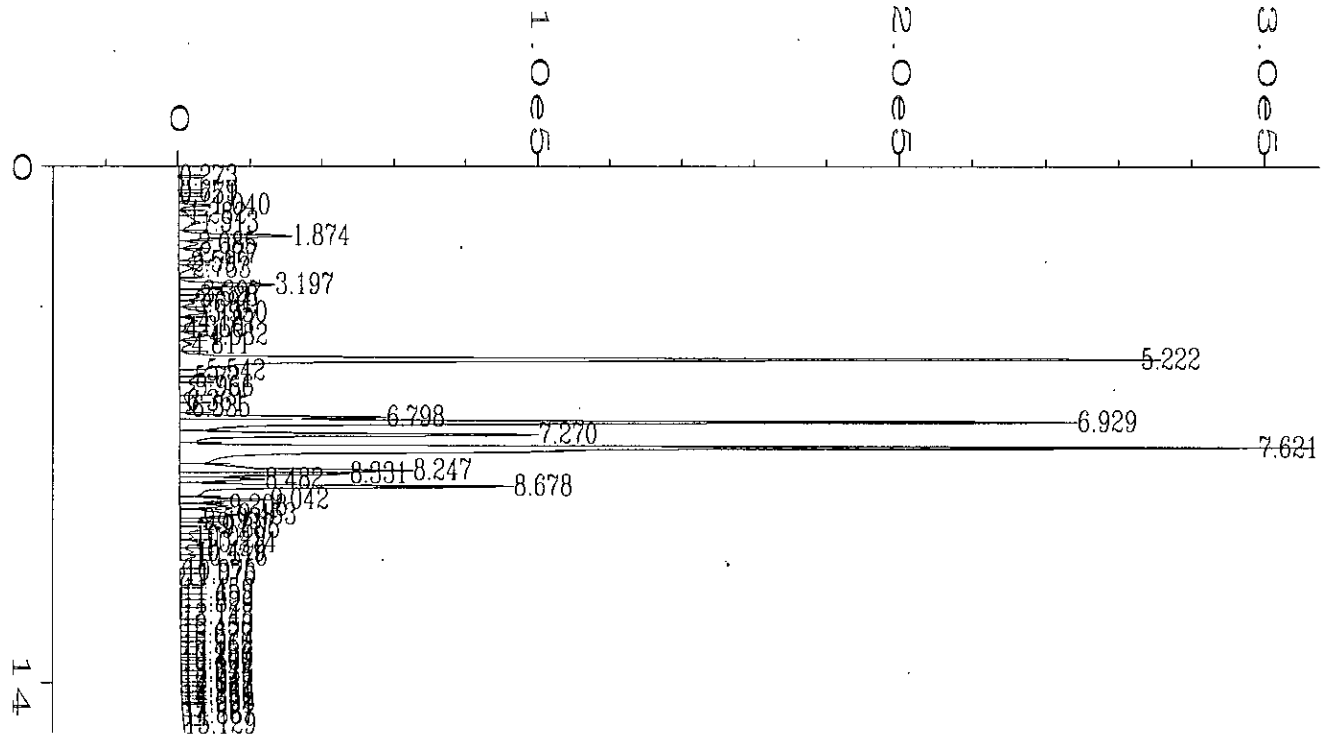


Data File Name	: C:\HPCHEM\2\DATA\08-24-22\002F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 2
Sample Name	: 02-1746 lcsg/ccg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 24 Aug 22 06:27 AM	Instrument Method	: GX.MTH
Report Created on:	24 Aug 22 06:42 AM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-24-22\002R0101.D
Operator : awb
Instrument : GC2
Sample Name : 02-1746 lcsg/ccg
Run Time Bar Code:
Acquired on : 24 Aug 22 06:27 AM
Report Created on: 24 Aug 22 06:42 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-24-22\002R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.273	231	79	PV	0.049	0.0024
2	0.679	209	78	PV	0.045	0.0022
3	0.751	208	92	PB	0.038	0.0021
4	1.040	39169	9070	PV	0.066	0.4035
5	1.282	12898	2349	VV	0.083	0.1329
6	1.513	80374	5875	VV	0.181	0.8279
7	1.874	216704	31717	VV	0.106	2.2321
8	2.085	39588	5343	VV	0.116	0.4078
9	2.377	75388	5634	VV	0.183	0.7765
10	2.597	20381	3203	VV	0.094	0.2099
11	2.753	32285	3513	VV	0.140	0.3326
12	3.197	189013	26664	VV	0.107	1.9469
13	3.397	50145	6427	VV	0.114	0.5165
14	3.528	42419	5667	VV	0.111	0.4369
15	3.691	29504	4054	VV	0.109	0.3039
16	3.950	66677	8006	VV	0.126	0.6868
17	4.187	42735	5067	VV	0.128	0.4402
18	4.366	13074	1731	VV	0.114	0.1347
19	4.582	54983	8462	VV	0.100	0.5663
20	4.811	28827	3301	VV	0.128	0.2969

21	5.222	1719782	274729	VV	0.094	17.7145
22	5.542	65699	7427	VV	0.147	0.6767
23	5.721	34121	4137	VV	0.137	0.3515
24	5.966	64395	4236	VV	0.199	0.6633
25	6.361	19002	1868	VV	0.129	0.1957
26	6.535	41776	3364	VV	0.184	0.4303
27	6.798	275543	57756	VV	0.073	2.8382
28	6.929	1461967	251176	VV	0.087	15.0589
29	7.270	575881	101030	VV	0.086	5.9318
30	7.621	2331515	318981	VV	0.104	24.0156
31	8.247	456742	65853	VV	0.099	4.7046
32	8.331	225861	47405	VV	0.079	2.3265
33	8.482	139894	23717	VV	0.087	1.4410
34	8.678	541030	93543	VV	0.086	5.5728
35	9.042	142734	25106	VV	0.085	1.4702
36	9.208	81046	13541	VV	0.088	0.8348
37	9.453	150411	16111	VV	0.126	1.5493
38	9.593	33495	6373	VV	0.076	0.3450
39	9.717	53319	10107	VV	0.077	0.5492
40	9.805	82595	11474	VV	0.106	0.8508
41	10.049	30041	3669	VV	0.113	0.3094
42	10.214	50917	6884	VV	0.110	0.5245
43	10.449	25739	3671	VV	0.101	0.2651
44	10.576	26998	4191	VV	0.094	0.2781
45	10.975	7886	1175	VV	0.095	0.0812
46	11.076	11756	1075	VV	0.141	0.1211
47	11.459	3414	404	VV	0.132	0.0352
48	11.653	2533	351	VV	0.094	0.0261
49	11.829	3220	295	VV	0.182	0.0332
50	12.148	3967	262	VV	0.197	0.0409
51	12.458	1161	161	VV	0.120	0.0120
52	12.677	1130	147	VV	0.105	0.0116
53	12.963	470	81	VV	0.097	0.0048
54	13.157	783	89	VV	0.147	0.0081
55	13.256	227	87	VV	0.044	0.0023
56	13.349	306	136	PV	0.037	0.0032
57	13.400	689	111	VV	0.103	0.0071
58	13.644	977	114	VV	0.132	0.0101
59	13.736	494	84	VV	0.098	0.0051
60	13.947	425	69	PV	0.113	0.0044
61	14.043	201	66	PV	0.048	0.0021
62	14.143	506	89	VV	0.095	0.0052
63	14.269	167	65	PV	0.043	0.0017
64	14.321	66	31	VV	0.035	0.0007
65	14.386	176	66	PV	0.054	0.0018
66	14.502	142	48	VV	0.049	0.0015
67	14.561	66	35	PV	0.032	0.0007
68	14.867	1167	146	PV	0.129	0.0120
69	15.129	1100	133	VV	0.138	0.0113

Total area = 9708346

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-24-22\002R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-24-22\002F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 2
Sample Name : 02-1746 lcsg/ccg Injection Number : 1
Acquired on : 24-Aug-22 6:27 AM
Report Created on: 24 Aug 22 06:42 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.623	142026	1.38E+05
128	PID	7.621	2331515	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
9.47 ppb	FID	3.197	45641	4.82E+03
7.35 ppb	PID	3.197	189013	2.57E+04
Toluene				
73.30 ppb	FID	5.223	345133	4.71E+03
68.53 ppb	PID	5.222	1719782	2.51E+04
Ethylbenzene				
15.32 ppb	FID	6.800	54481	3.56E+03
14.42 ppb	PID	6.798	275543	1.91E+04
m,p-Xylenes				
62.39 ppb	FID	6.931	251715	4.03E+03
55.15 ppb	PID	6.929	1461967	2.65E+04
o-Xylene				
24.15 ppb	FID	7.272	106166	4.40E+03
22.58 ppb	PID	7.270	575881	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.26 ppb	PID	11.076	11756	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
994.41 ppb	FID		1526204	1.53E+03
1027.68 ppb	PID		6139070	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-142026	1.15E+03
953.09 ppb	PID		-2331515	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-24-22\019F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 24 Aug 22 02:00 PM
Report Created on: 24 Aug 22 02:15 PM
Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-24-22\019F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.215	202	97	BB	0.041	0.0194
2	0.506	313	77	BV	0.083	0.0301
3	0.588	320	70	VV	0.090	0.0308
4	0.898	52328	5925	PV	0.143	5.0322
5	1.027	18818	3342	VV	0.094	1.8097
6	1.439	3991	384	VV	0.140	0.3838
7	1.636	834	223	VV	0.062	0.0802
8	1.696	306	116	VV	0.044	0.0294
9	1.867	23101	3541	VV	0.101	2.2215
10	2.066	5161	794	VV	0.096	0.4963
11	2.309	18575	1744	VV	0.140	1.7863
12	2.729	13899	1472	VV	0.134	1.3367
13	3.192	20060	2570	VV	0.118	1.9291
14	3.390	6499	1028	VV	0.092	0.6250
15	3.526	14809	1765	VV	0.127	1.4241
16	3.689	10958	1499	VV	0.106	1.0538
17	3.948	21146	2394	VV	0.124	2.0335
18	4.177	13821	1840	VV	0.113	1.3291
19	4.350	2160	363	VV	0.099	0.2077
20	4.577	11599	1659	VV	0.101	1.1154
21	4.800	9468	1270	VV	0.110	0.9105
22	4.944	1517	336	VV	0.075	0.1459
23	5.224	164427	23790	VV	0.101	15.8123
24	5.542	14584	1767	VV	0.116	1.4025
25	5.725	7906	917	VV	0.116	0.7603
26	5.995	14005	1305	VV	0.168	1.3468
27	6.350	2345	405	VV	0.096	0.2255
28	6.547	8731	712	VV	0.166	0.8396
29	6.802	27844	5729	VV	0.074	2.6776
30	6.935	121454	19397	VV	0.093	11.6797
31	7.275	53493	9177	VV	0.087	5.1442
32	7.625	129736	24523	VV	0.080	12.4761
33	7.728	63540	9708	VV	0.093	6.1104
34	8.152	6176	1570	VV	0.066	0.5939
35	8.254	45963	5129	VV	0.122	4.4201
36	8.485	13064	2200	VV	0.086	1.2564
37	8.684	40465	6475	VV	0.091	3.8914
38	9.048	12137	2012	VV	0.087	1.1672
39	9.210	7430	1118	VV	0.092	0.7145
40	9.378	5209	1097	VV	0.070	0.5009
41	9.454	6886	1174	VV	0.098	0.6622
42	9.578	3241	632	VV	0.086	0.3117
43	9.715	5458	816	VV	0.096	0.5248
44	9.811	7203	940	VV	0.128	0.6927
45	10.068	2411	478	VV	0.071	0.2319
46	10.235	3493	525	VV	0.089	0.3359
47	10.429	1504	312	VV	0.080	0.1447

Data File Name : C:\HPCHEM\2\DATA\08-24-22\019F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 19
Sample Name : 500GX 66-54C#2
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 24 Aug 22 02:00 PM
Instrument Method: GX.MTH
Report Created on: 24 Aug 22 02:15 PM
Analysis Method : GX.MTH

48	10.599	2350	326	VV	0.120	0.2260
49	10.884	864	158	VV	0.091	0.0831
50	11.051	501	193	VV	0.043	0.0482
51	11.107	360	155	VB	0.039	0.0346
52	11.627	114	79	BV	0.028	0.0110
53	11.706	883	77	PV	0.192	0.0849
54	12.073	992	136	VV	0.099	0.0954
55	12.161	503	158	VV	0.053	0.0484
56	12.243	507	225	VV	0.038	0.0488
57	12.310	645	127	PV	0.085	0.0620
58	12.423	545	125	VV	0.073	0.0524
59	12.599	1038	169	VV	0.102	0.0998
60	12.683	607	231	VV	0.044	0.0584
61	12.767	660	136	VV	0.074	0.0635
62	12.890	822	202	VV	0.068	0.0790
63	13.004	478	182	VV	0.044	0.0460
64	13.117	1072	146	VV	0.123	0.1031
65	13.319	638	149	VV	0.071	0.0614
66	13.402	711	146	VV	0.081	0.0684
67	13.536	993	170	VV	0.097	0.0954
68	13.855	697	113	VV	0.103	0.0670
69	13.972	296	174	VV	0.028	0.0285
70	14.027	1046	113	VV	0.154	0.1006
71	14.252	163	95	VV	0.029	0.0156
72	14.306	392	149	VV	0.044	0.0377
73	14.378	246	106	VV	0.038	0.0236
74	14.441	1146	116	VV	0.165	0.1102
75	14.697	361	167	PV	0.036	0.0347
76	14.756	460	121	VV	0.063	0.0443
77	14.892	331	82	VV	0.067	0.0319
78	15.002	268	68	VV	0.066	0.0258
79	15.170	384	118	PV	0.054	0.0370
80	15.266	210	108	PBA	0.032	0.0202

Total area = 1039870

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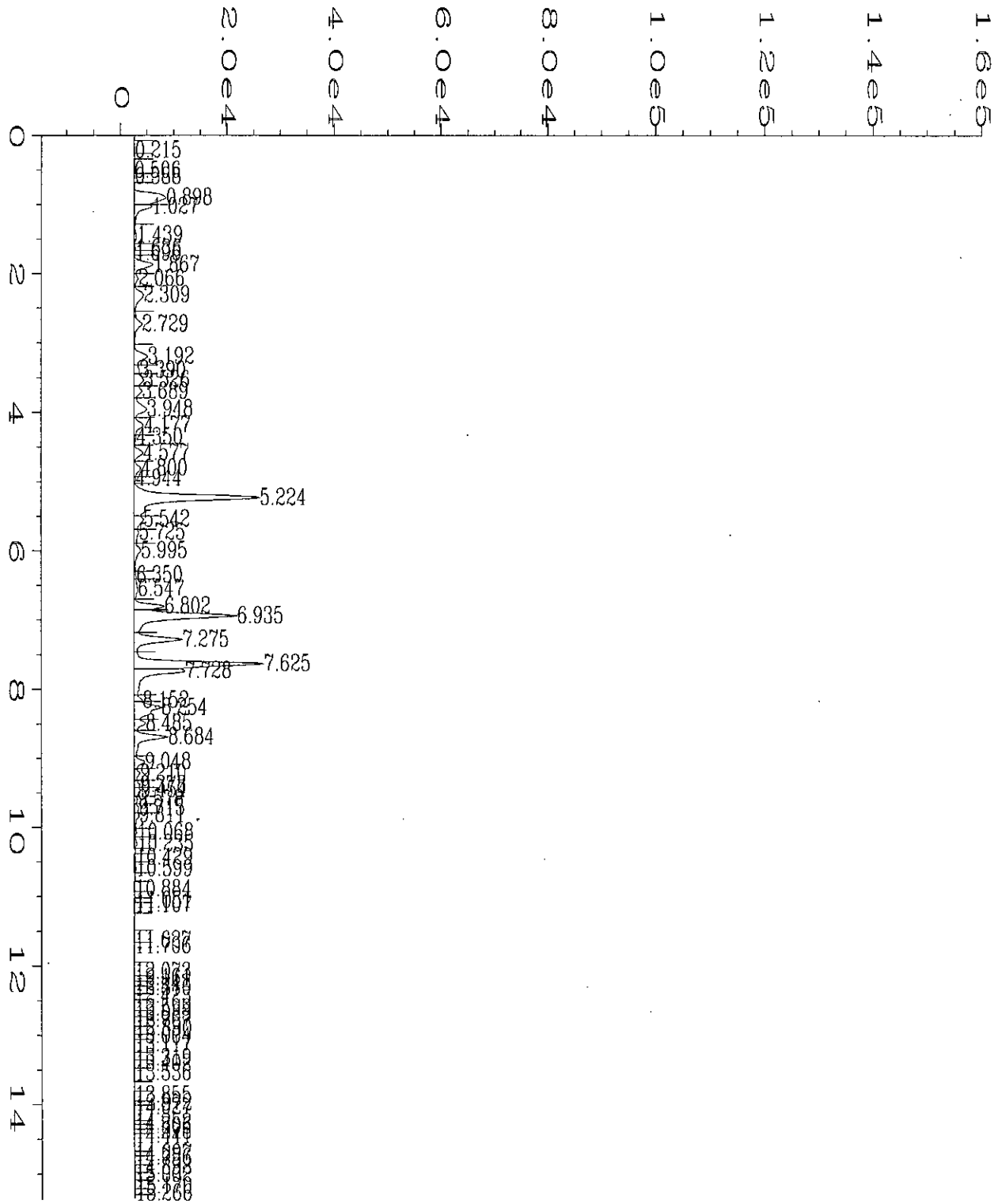
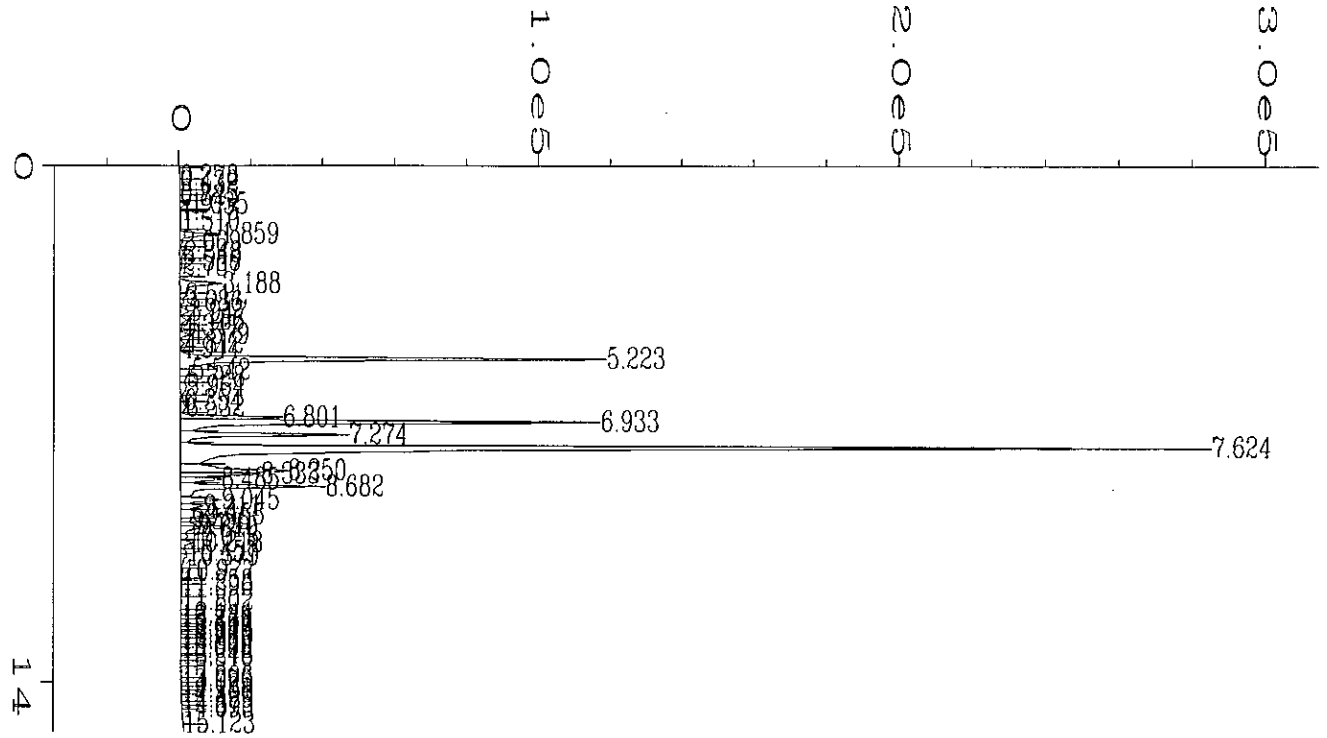


Data File Name : C:\HPCHEM\2\DATA\08-24-22\019F0101.D
Operator : awb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 24 Aug 22 02:00 PM
Report Created on: 24 Aug 22 02:15 PM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-24-22\019R0101.D
Operator : awb
Instrument : GC2
Sample Name : 500GX 66-54C#2
Run Time Bar Code:
Acquired on : 24 Aug 22 02:00 PM
Report Created on: 24 Aug 22 02:15 PM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-24-22\019R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.278	1513	148	BV	0.173	0.0291
2	0.432	1634	132	VV	0.164	0.0314
3	0.745	691	139	VV	0.070	0.0133
4	0.825	1010	149	VV	0.113	0.0194
5	1.035	13036	2933	VV	0.067	0.2502
6	1.215	306	141	VV	0.036	0.0059
7	1.510	5883	438	VV	0.173	0.1129
8	1.859	69955	11437	VV	0.094	1.3430
9	2.069	5394	707	VV	0.100	0.1036
10	2.348	13180	1013	VV	0.164	0.2530
11	2.586	4082	632	VV	0.092	0.0784
12	2.737	5286	614	VV	0.125	0.1015
13	3.188	98099	11766	PV	0.122	1.8832
14	3.511	12824	1637	VV	0.131	0.2462
15	3.686	8321	1117	VV	0.107	0.1597
16	3.947	21007	2503	VV	0.126	0.4033
17	4.186	14082	1713	VV	0.124	0.2703
18	4.347	4284	574	VV	0.124	0.0822
19	4.579	18639	2986	VV	0.097	0.3578
20	4.812	8242	1205	VV	0.105	0.1582

21	4.944	1319	300	VV	0.073	0.0253
22	5.223	753372	119981	VV	0.094	14.4628
23	5.542	29076	3334	VV	0.120	0.5582
24	5.728	15997	1873	VV	0.120	0.3071
25	5.964	27460	1809	VV	0.204	0.5272
26	6.354	7543	924	VV	0.117	0.1448
27	6.532	19809	1520	VV	0.173	0.3803
28	6.801	136915	28742	VV	0.073	2.6284
29	6.933	696004	117637	VV	0.089	13.3615
30	7.274	280470	48176	VV	0.087	5.3843
31	7.624	1923321	288125	VV	0.097	36.9228
32	8.250	225594	30162	VV	0.105	4.3308
33	8.333	110125	22387	VV	0.082	2.1141
34	8.485	71524	11480	VV	0.091	1.3731
35	8.682	252444	40697	VV	0.091	4.8463
36	9.045	68955	11476	VV	0.089	1.3238
37	9.211	40268	6384	VV	0.091	0.7731
38	9.455	70598	6964	VV	0.136	1.3553
39	9.596	15928	2957	VV	0.079	0.3058
40	9.721	24199	4523	VV	0.078	0.4645
41	9.810	39996	5086	VV	0.113	0.7678
42	10.056	15685	1925	VV	0.112	0.3011
43	10.218	25623	2978	VV	0.125	0.4919
44	10.457	10256	1562	VV	0.097	0.1969
45	10.579	19551	1908	VV	0.136	0.3753
46	10.977	5136	497	VV	0.138	0.0986
47	11.258	329	118	VV	0.047	0.0063
48	11.396	946	105	PB	0.119	0.0182
49	11.802	879	105	BV	0.171	0.0169
50	12.144	776	160	VV	0.067	0.0149
51	12.230	436	132	VV	0.053	0.0084
52	12.363	702	170	PV	0.069	0.0135
53	12.457	406	117	VV	0.058	0.0078
54	12.518	611	152	VV	0.067	0.0117
55	12.596	314	128	VV	0.041	0.0060
56	12.678	606	204	VV	0.049	0.0116
57	12.762	409	115	VV	0.053	0.0079
58	12.849	826	140	VV	0.098	0.0159
59	13.000	317	115	VV	0.046	0.0061
60	13.098	894	99.5	VV	0.150	0.0172
61	13.248	366	146	VV	0.042	0.0070
62	13.316	456	110	VV	0.069	0.0087
63	13.866	1438	108	PV	0.192	0.0276
64	13.970	624	132	VV	0.079	0.0120
65	14.025	445	130	VV	0.057	0.0085
66	14.181	382	90	VV	0.060	0.0073
67	14.300	429	120	VV	0.059	0.0082
68	14.429	751	95	PV	0.105	0.0144
69	14.573	231	77	PV	0.050	0.0044
70	14.693	266	98	PV	0.045	0.0051
71	15.123	562	102	PV	0.075	0.0108

Total area = 5209036

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-24-22\019R0101.D

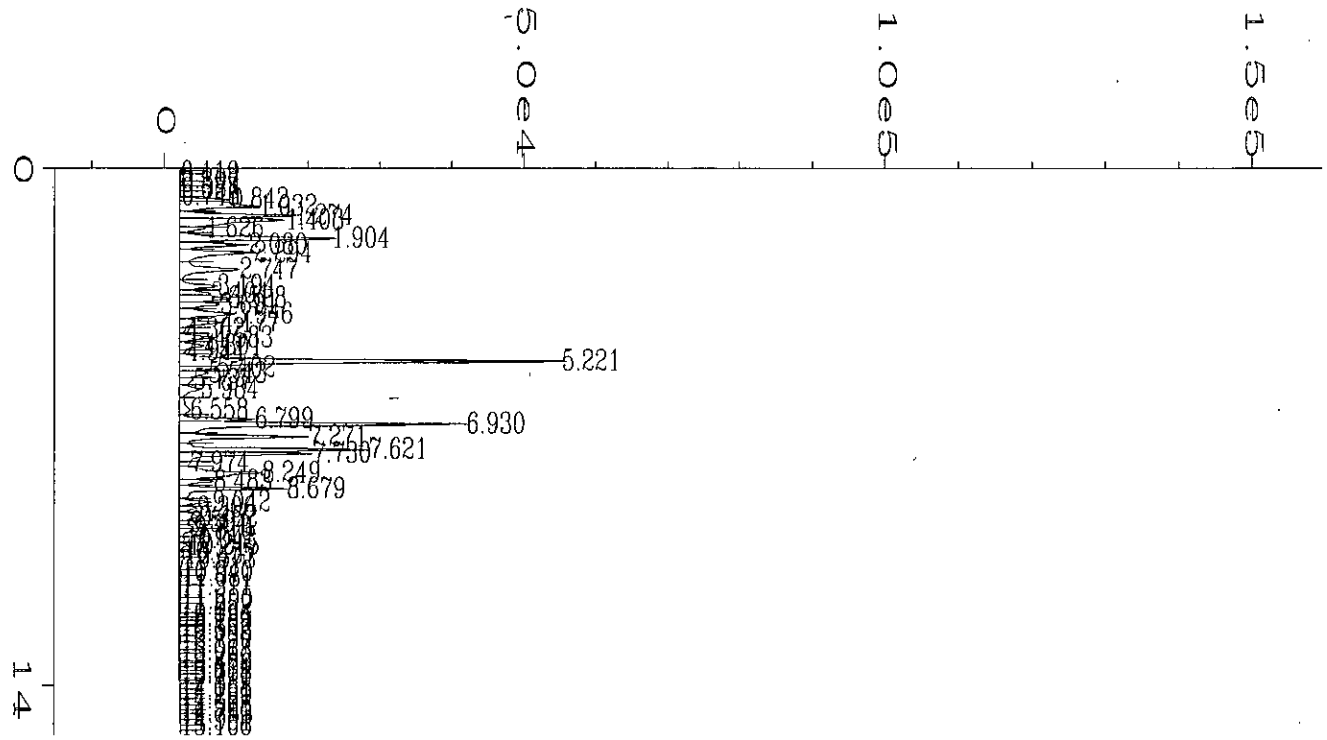
FID Data File Name : C:\HPCHEM\2\DATA\08-24-22\019F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 19
Sample Name : 500GX 66-54C#2 Injection Number : 1
Acquired on : 24-Aug-22 2:00 PM
Report Created on: 24 Aug 22 02:15 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
94	FID	7.728	129736	1.38E+05
106	PID	7.624	1923321	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
4.16 ppb	FID	3.192	20060	4.82E+03
3.81 ppb	PID	3.188	98099	2.57E+04
Toluene				
34.92 ppb	FID	5.224	164427	4.71E+03
30.02 ppb	PID	5.223	753372	2.51E+04
Ethylbenzene				
7.83 ppb	FID	6.802	27844	3.56E+03
7.16 ppb	PID	6.801	136915	1.91E+04
m,p-Xylenes				
30.10 ppb	FID	6.935	121454	4.03E+03
26.26 ppb	PID	6.933	696004	2.65E+04
o-Xylene				
12.17 ppb	FID	7.275	53493	4.40E+03
11.00 ppb	PID	7.274	280470	2.55E+04
Nap-PID, C12-FID				
0.09 ppb	FID	11.107	360	4.16E+03
0.11 ppb	PID	10.977	5136	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
453.51 ppb	FID		696034	1.53E+03
470.92 ppb	PID		2813150	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-129736	1.15E+03
786.23 ppb	PID		-1923321	-2.45E+03

NWTPH-Gx
Quality Assurance Data



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 lcsg/ccg
Run Time Bar Code:
Acquired on : 23 Aug 22 05:49 AM
Report Created on: 23 Aug 22 06:04 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\002F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.119	202	144	BV	0.023	0.0076
2	0.307	753	194	PV	0.095	0.0284
3	0.399	414	126	VV	0.055	0.0156
4	0.553	610	131	PV	0.077	0.0230
5	0.748	705	153	VV	0.077	0.0266
6	0.842	28860	7076	VV	0.061	1.0891
7	1.032	108790	11097	VV	0.130	4.1055
8	1.274	98743	16260	VV	0.094	3.7263
9	1.403	126567	14731	VV	0.121	4.7764
10	1.626	23785	3561	VV	0.098	0.8976
11	1.904	142630	21864	VV	0.101	5.3825
12	2.080	57268	9594	VV	0.089	2.1612
13	2.294	86749	10312	VV	0.118	3.2737
14	2.747	81046	8284	VV	0.144	3.0585
15	3.194	40773	5273	VV	0.115	1.5387
16	3.404	24966	4284	VV	0.088	0.9422
17	3.528	58459	6824	VV	0.125	2.2061
18	3.691	40444	5580	VV	0.107	1.5263
19	3.946	68742	7712	VV	0.137	2.5942
20	4.177	42705	5804	VV	0.111	1.6116

Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 lcsg/ccg
Run Time Bar Code:
Acquired on : 23 Aug 22 05:49 AM
Report Created on: 23 Aug 22 06:04 AM

Page Number : 2
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.362	6225	855	VV	0.099	0.2349
22	4.583	32501	4813	VV	0.106	1.2265
23	4.801	25673	3380	VV	0.115	0.9688
24	4.944	4135	968	VV	0.071	0.1560
25	5.221	349216	54661	VV	0.096	13.1786
26	5.402	30143	5181	VV	0.097	1.1375
27	5.543	32282	4040	VV	0.112	1.2183
28	5.737	18345	1918	VV	0.134	0.6923
29	5.984	30116	2882	VV	0.145	1.1365
30	6.558	26324	1459	VV	0.240	0.9934
31	6.799	52894	10574	VV	0.076	1.9961
32	6.930	248446	40359	VV	0.091	9.3758
33	7.271	106468	18213	VV	0.087	4.0179
34	7.621	142633	26774	VV	0.080	5.3826
35	7.730	113760	18732	VV	0.088	4.2930
36	7.974	9483	1517	VV	0.104	0.3579
37	8.249	114382	11614	VV	0.133	4.3165
38	8.483	28616	4718	VV	0.089	1.0799
39	8.679	89799	15088	VV	0.088	3.3888
40	9.042	26825	4531	VV	0.089	1.0123
41	9.206	15493	2514	VV	0.103	0.5847
42	9.452	26910	2741	VV	0.131	1.0155
43	9.594	7198	1401	VV	0.074	0.2716
44	9.719	10183	1963	VV	0.075	0.3843
45	9.810	17053	2112	VV	0.116	0.6435
46	10.043	5624	790	VV	0.103	0.2122
47	10.215	8163	1152	VV	0.095	0.3081
48	10.375	1354	425	VV	0.053	0.0511
49	10.457	4186	700	VV	0.085	0.1580
50	10.573	7512	729	VV	0.132	0.2835
51	10.940	2047	296	VV	0.115	0.0773
52	11.081	2864	292	VV	0.164	0.1081
53	11.311	2631	178	VV	0.247	0.0993
54	11.690	1052	222	VV	0.066	0.0397
55	11.852	1727	191	VV	0.132	0.0652
56	12.124	676	164	VV	0.069	0.0255
57	12.185	559	172	VV	0.054	0.0211
58	12.289	719	141	VV	0.085	0.0271
59	12.392	370	111	VV	0.056	0.0140
60	12.552	1277	184	VV	0.115	0.0482
61	12.739	1005	121	VV	0.121	0.0379
62	12.877	1129	130	VV	0.145	0.0426
63	13.068	639	193	VV	0.055	0.0241
64	13.285	1198	213	VV	0.094	0.0452
65	13.456	648	214	VV	0.048	0.0245
66	13.571	879	180	VV	0.082	0.0332
67	13.668	424	146	PV	0.048	0.0160
68	13.717	1167	153	VB	0.127	0.0440
69	14.068	151	140	BV	0.024	0.0057
70	14.161	279	81	PV	0.058	0.0105
71	14.280	465	93	VV	0.071	0.0175
72	14.387	496	94	VV	0.088	0.0187
73	14.585	466	102	VV	0.081	0.0176
74	14.710	270	92	PV	0.046	0.0102

Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D
Operator : jeb
Page Number : 3
Instrument : GC2
Vial Number : 2
Sample Name : 02-1743 lcsg/ccg
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 23 Aug 22 05:49 AM
Instrument Method: GX.MTH
Report Created on: 23 Aug 22 06:04 AM
Analysis Method : GX.MTH

75	14.783	605	178	VV	0.057	0.0228
76	14.961	465	95	VV	0.081	0.0175
77	15.106	509	86	VV	0.099	0.0192

Total area = 2649873

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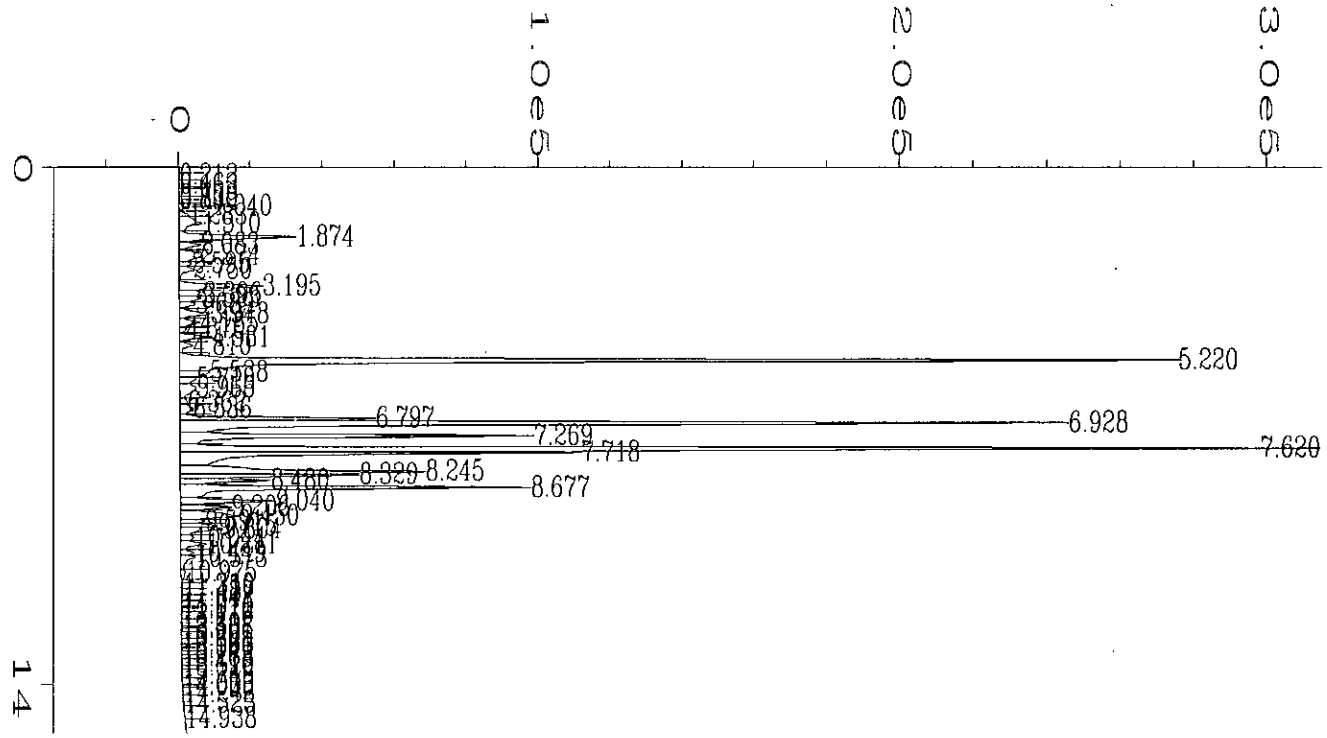

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\002R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 lcsg/ccg
Run Time Bar Code:
Acquired on : 23 Aug 22 05:49 AM
Report Created on: 23 Aug 22 06:04 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\002R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.212	468	82	BV	0.115	0.0047
2	0.463	481	77	PV	0.093	0.0048
3	0.758	799	145	PV	0.075	0.0080
4	0.839	407	98	VV	0.069	0.0041
5	0.892	433	99	VV	0.073	0.0043
6	1.040	41367	9618	VV	0.065	0.4130
7	1.283	15150	2687	VV	0.086	0.1513
8	1.510	83342	6405	VV	0.171	0.8322
9	1.874	225777	33035	VV	0.106	2.2544
10	2.083	43989	6013	VV	0.113	0.4392
11	2.374	82695	6143	VV	0.182	0.8257
12	2.595	22456	3480	VV	0.094	0.2242
13	2.750	36302	3970	VV	0.135	0.3625
14	3.195	169135	23597	VV	0.108	1.6888
15	3.396	52512	6793	VV	0.112	0.5243
16	3.523	47161	6171	VV	0.111	0.4709
17	3.689	32220	4459	VV	0.107	0.3217
18	3.948	73235	8740	VV	0.126	0.7313
19	4.185	47707	5660	VV	0.125	0.4764
20	4.370	13503	1848	VV	0.122	0.1348

21	4.581	59117	9107	VV	0.100	0.5903
22	4.810	31747	3624	VV	0.129	0.3170
23	5.220	1780774	282206	VV	0.095	17.7810
24	5.538	73245	8277	VV	0.147	0.7314
25	5.718	36943	4632	VV	0.111	0.3689
26	5.966	75644	4675	VV	0.212	0.7553
27	6.362	18430	2132	VV	0.123	0.1840
28	6.536	46428	3734	VV	0.172	0.4636
29	6.797	260787	54972	VV	0.073	2.6040
30	6.928	1466686	250167	VV	0.088	14.6449
31	7.269	577742	99338	VV	0.087	5.7688
32	7.620	1710246	321975	VV	0.081	17.0768
33	7.718	678846	111941	VV	0.101	6.7783
34	8.245	481525	69276	VV	0.099	4.8080
35	8.329	240882	50251	VV	0.080	2.4052
36	8.480	148448	25162	VV	0.087	1.4823
37	8.677	571128	98540	VV	0.086	5.7027
38	9.040	151200	26666	VV	0.085	1.5097
39	9.206	86121	14407	VV	0.088	0.8599
40	9.450	158236	16829	VV	0.127	1.5800
41	9.591	36617	6861	VV	0.078	0.3656
42	9.715	55563	10572	VV	0.088	0.5548
43	9.804	86865	11858	VV	0.106	0.8673
44	10.044	30622	3760	VV	0.115	0.3058
45	10.211	53148	7081	VV	0.110	0.5307
46	10.449	24751	3743	VV	0.096	0.2471
47	10.573	41449	4210	VV	0.132	0.4139
48	10.975	15476	1216	VV	0.170	0.1545
49	11.310	1506	378	VV	0.066	0.0150
50	11.359	1364	364	VV	0.062	0.0136
51	11.487	3311	385	VV	0.125	0.0331
52	11.642	2081	333	VV	0.086	0.0208
53	11.811	1918	279	VV	0.099	0.0191
54	11.910	695	213	VV	0.054	0.0069
55	11.976	688	201	VV	0.057	0.0069
56	12.116	2184	224	VV	0.142	0.0218
57	12.392	1516	175	VV	0.146	0.0151
58	12.437	578	170	VV	0.056	0.0058
59	12.506	659	154	VV	0.071	0.0066
60	12.705	1025	156	VV	0.111	0.0102
61	12.865	664	121	VV	0.086	0.0066
62	12.961	657	135	VV	0.081	0.0066
63	13.040	378	133	VV	0.047	0.0038
64	13.172	428	113	PV	0.056	0.0043
65	13.268	793	158	VV	0.073	0.0079
66	13.418	1114	166	VV	0.098	0.0111
67	13.522	764	194	VV	0.066	0.0076
68	13.748	1432	140	VV	0.149	0.0143
69	14.003	881	129	PV	0.093	0.0088
70	14.055	350	149	VV	0.039	0.0035
71	14.243	955	125	PV	0.111	0.0095
72	14.525	513	81	VV	0.085	0.0051
73	14.938	761	69	PV	0.143	0.0076

Total area = 1.0015E+007

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\002R0101.D

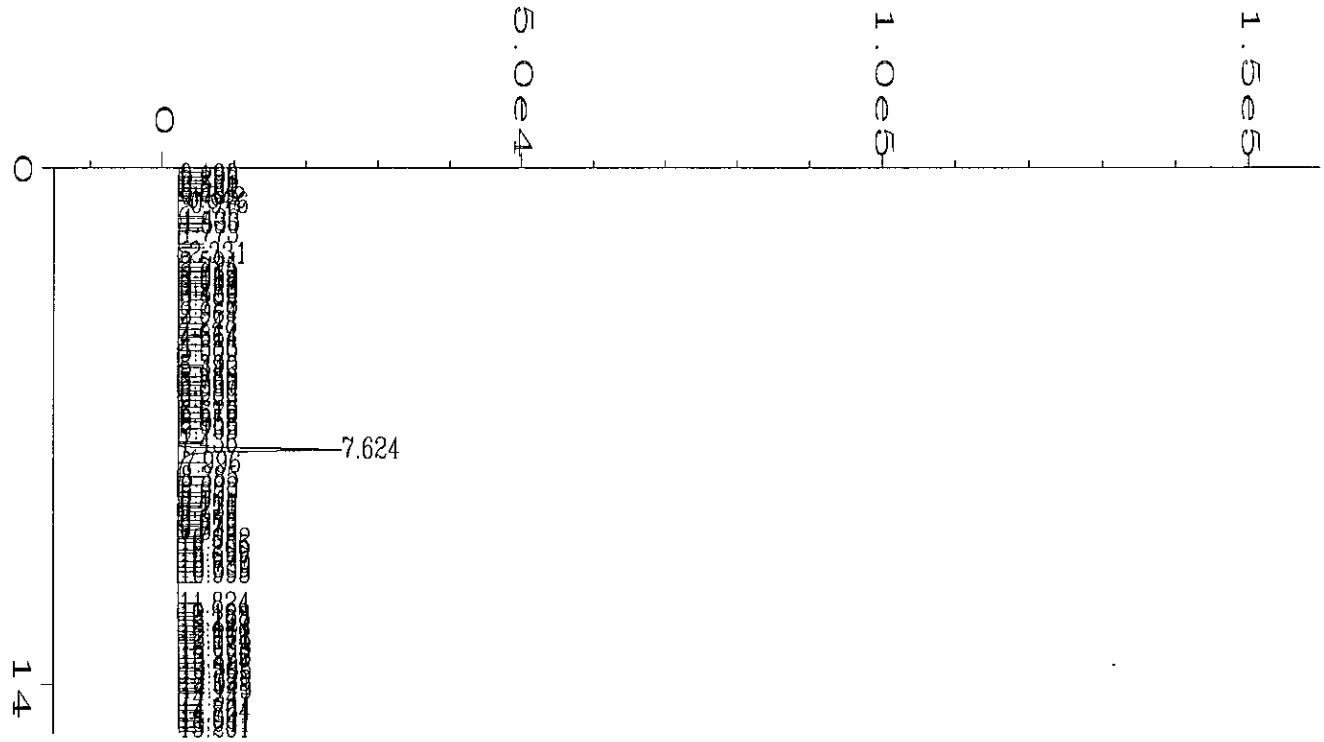
FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\002F0101.D

Operator : jeb Page Number : 1
Instrument : GC2 Vial Number : 2
Sample Name : 02-1743 lcsg/ccg Injection Number : 1
Acquired on : 23-Aug-22 5:49 AM
Report Created on: 23 Aug 22 06:04 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
103	FID	7.621	142633	1.38E+05
94	PID	7.718	1710246	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
8.46 ppb	FID	3.194	40773	4.82E+03
6.57 ppb	PID	3.195	169135	2.57E+04
Toluene				
74.16 ppb	FID	5.221	349216	4.71E+03
70.96 ppb	PID	5.220	1780774	2.51E+04
Ethylbenzene				
14.88 ppb	FID	6.799	52894	3.56E+03
13.65 ppb	PID	6.797	260787	1.91E+04
m,p-Xylenes				
61.58 ppb	FID	6.930	248446	4.03E+03
55.33 ppb	PID	6.928	1466686	2.65E+04
o-Xylene				
24.22 ppb	FID	7.271	106468	4.40E+03
22.65 ppb	PID	7.269	577742	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.34 ppb	PID	10.975	15476	4.55E+04

Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
1039.17 ppb	FID		1594897	1.53E+03
1169.10 ppb	PID		6983845	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-142633	1.15E+03
699.13 ppb	PID		-1710246	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\004F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 06:38 AM
Report Created on: 23 Aug 22 06:53 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\004F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.190	522	146	BV	0.059	0.2038
2	0.296	503	209	PV	0.040	0.1964
3	0.388	521	154	VV	0.051	0.2036
4	0.521	1122	191	VV	0.078	0.4381
5	0.582	578	135	VV	0.072	0.2259
6	0.662	558	167	VV	0.056	0.2181
7	0.735	502	212	VV	0.039	0.1962
8	0.842	5830	1168	VV	0.072	2.2772
9	0.976	19663	1633	VV	0.171	7.6797
10	1.433	2991	437	VV	0.114	1.1681
11	1.530	1611	340	VV	0.079	0.6293
12	1.773	3116	224	VV	0.231	1.2170
13	2.331	12661	1470	VV	0.112	4.9449
14	2.594	1144	180	VV	0.106	0.4468
15	2.725	856	190	VV	0.075	0.3341
16	2.915	766	120	VV	0.092	0.2992
17	3.012	510	151	VV	0.053	0.1991
18	3.087	596	135	VV	0.073	0.2326
19	3.199	646	186	VV	0.058	0.2523
20	3.278	875	158	VV	0.092	0.3416

Data File Name : C:\HPCHEM\2\DATA\02-23-22\004F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 06:38 AM
Report Created on: 23 Aug 22 06:53 AM

Page Number : 2
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	3.386	457	112	VV	0.068	0.1786
22	3.482	624	198	VV	0.052	0.2436
23	3.728	1137	133	PV	0.143	0.4439
24	3.964	606	105	VB	0.096	0.2367
25	4.248	437	98	PV	0.074	0.1707
26	4.564	383	170	PV	0.038	0.1496
27	4.614	1229	218	VV	0.094	0.4800
28	4.856	1150	188	VV	0.092	0.4493
29	5.000	2551	137	VV	0.233	0.9964
30	5.390	461	142	VV	0.054	0.1802
31	5.442	1702	170	VV	0.167	0.6647
32	5.750	692	162	VV	0.071	0.2703
33	5.867	486	126	VV	0.057	0.1897
34	5.930	771	147	VV	0.087	0.3012
35	6.086	393	125	PV	0.053	0.1534
36	6.203	445	107	PB	0.069	0.1739
37	6.619	399	112	BV	0.059	0.1557
38	6.676	544	112	PV	0.092	0.2124
39	6.858	536	154	PV	0.058	0.2092
40	6.958	1706	254	VV	0.113	0.6661
41	7.105	1812	180	PV	0.168	0.7076
42	7.436	215	122	PV	0.029	0.0839
43	7.624	137104	22923	VV	0.089	53.5485
44	7.996	8339	556	VV	0.250	3.2570
45	8.385	3299	357	VV	0.154	1.2885
46	8.683	2119	277	VV	0.127	0.8275
47	8.839	1066	213	VV	0.083	0.4165
48	9.111	509	182	VV	0.047	0.1989
49	9.170	445	172	VV	0.043	0.1738
50	9.238	633	142	VV	0.080	0.2471
51	9.329	955	168	VV	0.095	0.3732
52	9.578	883	205	VV	0.072	0.3447
53	9.679	334	144	VV	0.039	0.1306
54	9.733	560	172	VV	0.054	0.2187
55	9.828	1120	172	VV	0.109	0.4375
56	10.082	634	123	VV	0.086	0.2477
57	10.265	970	127	VV	0.132	0.3790
58	10.399	382	106	VV	0.054	0.1493
59	10.577	1264	137	VV	0.154	0.4939
60	10.720	723	186	VV	0.067	0.2824
61	10.839	648	157	VV	0.069	0.2530
62	10.995	1443	167	VB	0.113	0.5634
63	11.824	749	88	VV	0.141	0.2925
64	12.123	312	107	PV	0.048	0.1219
65	12.188	387	121	VV	0.053	0.1513
66	12.297	458	101	PV	0.075	0.1787
67	12.448	472	79	PV	0.099	0.1845
68	12.641	316	110	VV	0.048	0.1236
69	12.773	427	214	PV	0.033	0.1667
70	12.824	256	106	VV	0.040	0.0999
71	12.982	729	115	PV	0.089	0.2846
72	13.272	1248	124	VV	0.168	0.4874
73	13.337	1132	199	VV	0.095	0.4423
74	13.482	1118	223	VV	0.084	0.4365

Data File Name : C:\HPCHEM\2\DATA\02-23-22\004F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 06:38 AM
Report Created on: 23 Aug 22 06:53 AM

Page Number : 3
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	13.586	930	255	VV	0.061	0.3634
76	13.755	2696	222	VV	0.202	1.0530
77	13.935	1148	242	VV	0.078	0.4485
78	14.041	1190	239	VV	0.078	0.4646
79	14.145	723	263	VV	0.046	0.2822
80	14.347	2050	166	VV	0.206	0.8007
81	14.734	366	146	PV	0.042	0.1431
82	14.801	590	99	PV	0.099	0.2303
83	14.961	280	112	PV	0.042	0.1093
84	15.041	571	123	VV	0.077	0.2231
85	15.201	152	84	PBA	0.030	0.0594

Total area = 256036

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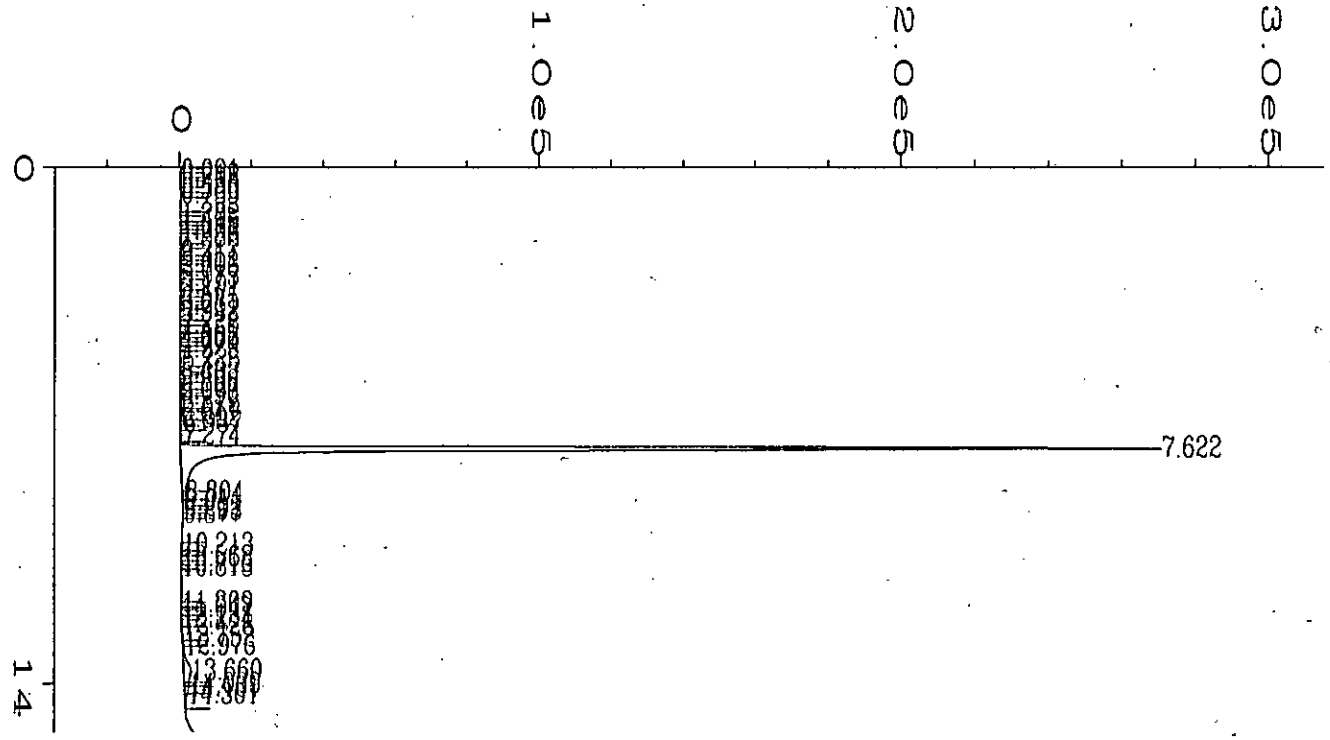

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\004R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 02-1743 mb
Run Time Bar Code:
Acquired on : 23 Aug 22 06:38 AM
Report Created on: 23 Aug 22 06:53 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\004R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.091	211	85	BV	0.041	0.0110
2	0.212	276	86	PV	0.050	0.0144
3	0.308	268	97	PV	0.045	0.0139
4	0.456	837	97	VV	0.126	0.0436
5	0.586	254	64	PV	0.074	0.0132
6	0.735	406	109	VB	0.068	0.0212
7	1.282	361	110	PV	0.049	0.0188
8	1.427	704	117	VV	0.086	0.0367
9	1.515	386	81	VV	0.068	0.0201
10	1.667	409	91	VV	0.065	0.0213
11	1.736	375	79	VV	0.079	0.0195
12	1.888	775	104	VV	0.111	0.0403
13	2.317	633	146	BV	0.074	0.0329
14	2.451	527	110	PV	0.074	0.0274
15	2.603	733	133	VV	0.092	0.0382
16	2.716	1369	150	VV	0.152	0.0712
17	2.975	1287	145	VV	0.143	0.0670
18	3.191	3354	328	VV	0.132	0.1746
19	3.575	822	169	VV	0.081	0.0428
20	3.681	481	131	VV	0.061	0.0251

21	3.761	408	130	VV	0.052	0.0212
22	3.942	1687	186	PV	0.125	0.0878
23	4.228	993	164	VV	0.101	0.0517
24	4.451	1163	161	VV	0.121	0.0605
25	4.587	642	149	VV	0.073	0.0334
26	4.652	955	146	VV	0.114	0.0497
27	4.779	690	152	VV	0.076	0.0359
28	4.923	971	146	VV	0.102	0.0506
29	5.225	5464	476	VV	0.153	0.2844
30	5.495	1085	200	VV	0.078	0.0565
31	5.602	344	128	VV	0.045	0.0179
32	5.808	1016	152	PV	0.111	0.0529
33	6.007	1182	151	VV	0.110	0.0615
34	6.070	324	93	VV	0.058	0.0168
35	6.190	225	80	PV	0.047	0.0117
36	6.375	4117	394	VV	0.137	0.2143
37	6.611	467	112	VV	0.070	0.0243
38	6.802	2451	412	VV	0.089	0.1276
39	6.937	7321	992	VV	0.102	0.3810
40	7.274	3093	493	PV	0.091	0.1610
41	7.622	1750551	274590	PV	0.093	91.1154
42	8.804	9723	927	VV	0.175	0.5061
43	9.011	4530	537	VV	0.141	0.2358
44	9.202	1770	324	VV	0.091	0.0921
45	9.293	979	253	VV	0.064	0.0509
46	9.377	798	162	VB	0.082	0.0415
47	10.213	817	125	PB	0.099	0.0425
48	10.562	588	115	PV	0.086	0.0306
49	10.716	243	108	VV	0.044	0.0127
50	10.813	214	65	PV	0.053	0.0111
51	11.809	310	120	VV	0.043	0.0161
52	11.947	177	70	PV	0.042	0.0092
53	12.121	354	82	PV	0.072	0.0184
54	12.234	328	98	VV	0.056	0.0171
55	12.428	502	90	PV	0.087	0.0262
56	12.752	3106	283	PV	0.147	0.1617
57	12.976	2813	398	VV	0.118	0.1464
58	13.660	68174	1977	VV	0.420	3.5485
59	14.029	8145	1302	VV	0.085	0.4240
60	14.101	12123	1164	VV	0.174	0.6310
61	14.301	5933	668	VV	0.148	0.3088

Total area = 1921246

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\004R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\004F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 4

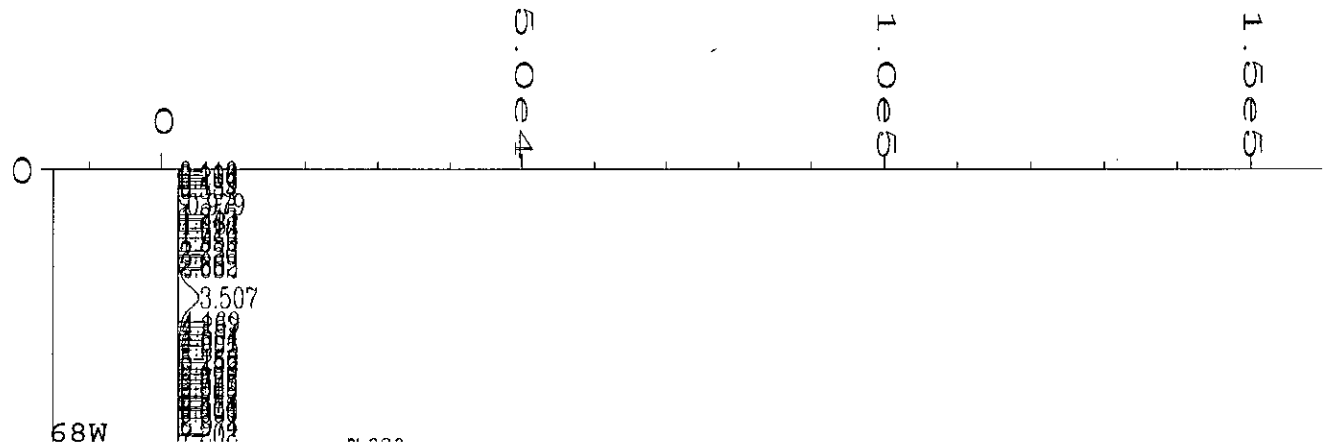
Sample Name : 02-1743 mb Injection Number : 1

Acquired on : 23-Aug-22 6:38 AM

Report Created on: 23 Aug 22 06:53 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
99	FID	7.624	137104	1.38E+05
96	PID	7.622	1750551	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.18 ppb	FID	3.278	875	4.82E+03
0.13 ppb	PID	3.191	3354	2.57E+04
Toluene				
0.00 ppb	FID	0.000	0	4.71E+03
0.22 ppb	PID	5.225	5464	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.13 ppb	PID	6.802	2451	1.91E+04
m,p-Xylenes				
0.42 ppb	FID	6.958	1706	4.03E+03
0.28 ppb	PID	6.937	7321	2.65E+04
o-Xylene				
0.00 ppb	FID	0.000	0	4.40E+03
0.12 ppb	PID	7.274	3093	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.01 ppb	PID	10.813	243	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
23.24 ppb	FID		35676	1.53E+03
8.20 ppb	PID		48978	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-137104	1.15E+03
715.60 ppb	PID		-1750551	-2.45E+03



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\005F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01~~-dup~~
Run Time Bar Code:
Acquired on : 23 Aug 22 07:22 AM
Report Created on: 23 Aug 22 07:38 AM

Page Number : 1
Vial Number : ~~5~~ 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

F0823

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\005F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.119	241	97	BV	0.042	0.0643
2	0.196	300	99.8	VV	0.046	0.0798
3	0.254	322	112	VV	0.048	0.0858
4	0.439	270	77	PV	0.058	0.0718
5	0.534	780	94	VV	0.138	0.2078
6	0.979	11366	1081	VV	0.141	3.0272
7	1.255	674	162	VV	0.069	0.1794
8	1.343	309	131	VV	0.039	0.0822
9	1.481	2723	350	VV	0.104	0.7252
10	1.613	409	161	VV	0.042	0.1090
11	1.720	635	129	VV	0.082	0.1691
12	1.950	1568	149	VV	0.175	0.4176
13	2.253	506	176	VV	0.060	0.1349
14	2.320	427	127	VV	0.056	0.1137
15	2.603	1759	212	PV	0.138	0.4685
16	2.682	632	209	VV	0.050	0.1683
17	3.507	125797	2937	VV	0.557	33.5039
18	4.169	3751	517	VV	0.121	0.9989
19	4.287	4168	399	VV	0.149	1.1100
20	4.504	2411	380	VV	0.106	0.6421

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\005F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01 ~~dup~~
Run Time Bar Code:
Acquired on : 23 Aug 22 07:22 AM
Report Created on: 23 Aug 22 07:38 AM

Page Number : 2
Vial Number : ~~5~~ 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

21	4.651	2147	321	VV	0.111	0.5719
22	4.805	4446	263	VV	0.282	1.1843
23	5.166	1038	263	VV	0.066	0.2764
24	5.252	2065	253	VV	0.136	0.5499
25	5.438	1426	211	VV	0.113	0.3798
26	5.677	1474	223	VV	0.110	0.3926
27	5.735	1073	218	VV	0.082	0.2858
28	5.885	1145	189	VV	0.101	0.3050
29	5.986	1543	221	VV	0.105	0.4109
30	6.217	662	207	VV	0.053	0.1763
31	6.374	1350	201	VV	0.109	0.3595
32	6.454	346	199	VV	0.029	0.0921
33	6.502	452	171	VV	0.044	0.1204
34	6.600	1543	168	VV	0.153	0.4109
35	6.974	3358	269	VV	0.208	0.8945
36	7.202	443	237	PV	0.031	0.1180
37	7.620	144472	23933	VV	0.089	38.4778
38	8.010	3509	570	VV	0.103	0.9345
39	8.145	1752	372	VV	0.078	0.4665
40	8.245	3499	386	VV	0.151	0.9318
41	8.457	935	277	VV	0.056	0.2490
42	8.521	2765	252	VB	0.183	0.7365
43	8.773	372	98	BV	0.063	0.0991
44	8.956	433	124	PV	0.058	0.1154
45	9.088	389	115	PV	0.057	0.1036
46	9.227	300	119	PV	0.042	0.0798
47	9.364	375	79	VV	0.079	0.1000
48	9.454	711	126	PV	0.094	0.1893
49	9.675	669	139	VV	0.067	0.1781
50	9.773	953	112	VV	0.111	0.2539
51	9.989	940	167	VV	0.094	0.2503
52	10.176	394	134	VV	0.049	0.1050
53	10.242	654	142	VV	0.077	0.1742
54	10.368	454	141	VV	0.052	0.1209
55	10.431	940	193	PV	0.081	0.2504
56	10.551	754	172	VV	0.073	0.2009
57	10.655	1746	206	VV	0.141	0.4651
58	11.080	1899	203	VV	0.156	0.5058
59	11.159	506	164	VV	0.051	0.1347
60	11.230	1012	178	VV	0.095	0.2695
61	11.375	1018	130	VV	0.130	0.2710
62	11.532	2149	194	VV	0.146	0.5723
63	11.825	464	163	VV	0.047	0.1236
64	11.923	1015	179	VV	0.095	0.2703
65	12.038	788	160	VV	0.082	0.2098
66	12.171	628	215	VV	0.049	0.1674
67	12.238	936	196	VV	0.070	0.2494
68	12.386	626	158	VV	0.066	0.1668
69	12.441	378	150	VV	0.042	0.1007
70	12.520	716	154	VV	0.072	0.1908
71	12.599	379	150	VV	0.042	0.1008
72	12.668	463	194	VV	0.040	0.1233
73	12.728	869	200	VV	0.062	0.2315
74	12.854	479	181	VV	0.044	0.1275

Data File Name : C:\HPCHEM\2\DATA\02-23-22\005F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01 ~~dup~~
Run Time Bar Code:
Acquired on : 23 Aug 22 07:22 AM
Report Created on: 23 Aug 22 07:38 AM

Page Number : 3
Vial Number : ~~5~~ 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

75	12.922	1180	206	VV	0.095	0.3143
76	13.105	741	238	VV	0.052	0.1973
77	13.211	351	141	PV	0.041	0.0935
78	13.283	665	118	VV	0.094	0.1771
79	13.394	675	182	VV	0.062	0.1798
80	13.508	704	148	PV	0.079	0.1874
81	13.663	727	131	VV	0.093	0.1935
82	13.774	496	183	VV	0.045	0.1322
83	13.869	265	158	PV	0.028	0.0706
84	13.918	478	121	VV	0.066	0.1273
85	14.024	743	174	VV	0.069	0.1979
86	14.170	341	110	VV	0.056	0.0909
87	14.346	768	135	VV	0.106	0.2044
88	14.464	349	144	VV	0.044	0.0929
89	14.569	365	158	PV	0.039	0.0973
90	14.720	222	87	PV	0.042	0.0593
91	14.789	833	78	VV	0.136	0.2218
92	15.037	260	158	VV	0.040	0.0692
93	15.158	338	90	PV	0.055	0.0901
94	15.285	68	32	PBA	0.036	0.0182

Total area = 375469

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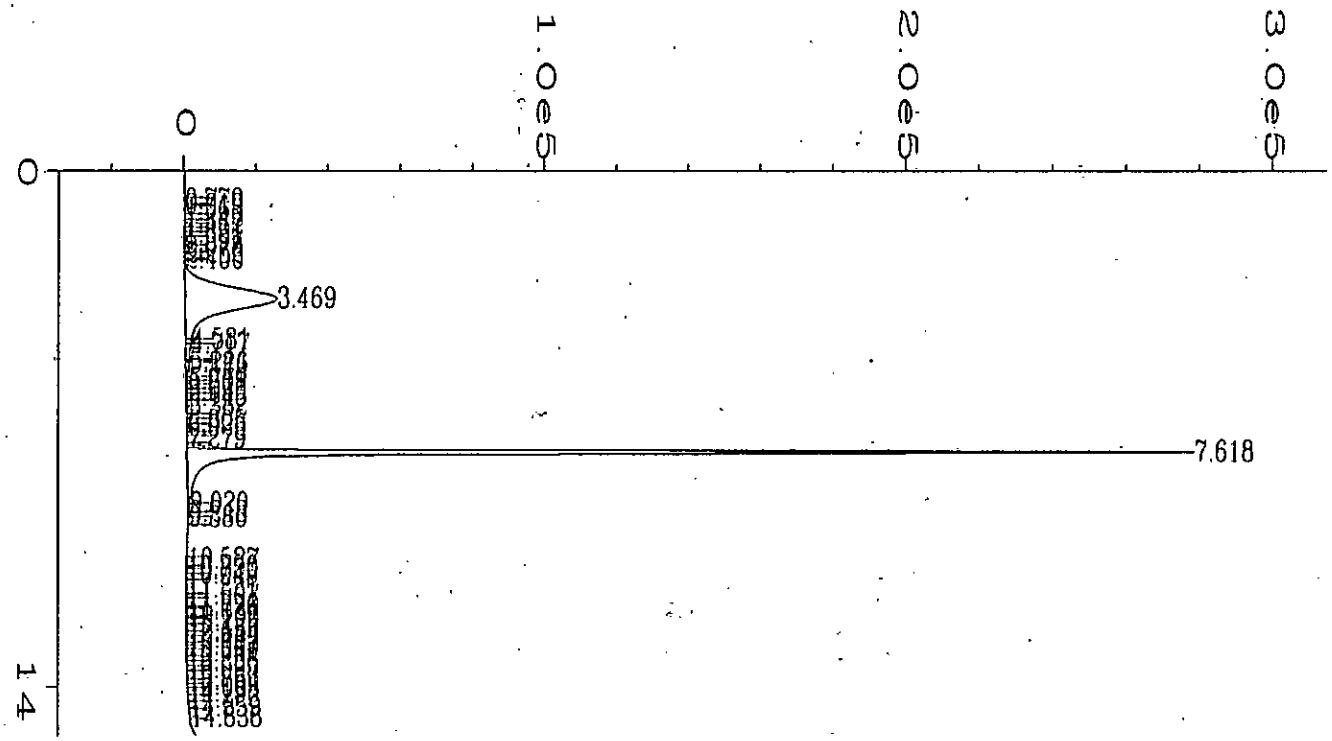

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\005R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01 ~~dup~~
Run Time Bar Code:
Acquired on : 23 Aug 22 07:22 AM
Report Created on: 23 Aug 22 07:38 AM

Page Number : 1
Vial Number : ~~5~~ 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

JR 0823

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\005R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.779	1345	172	PV	0.143	0.0433
2	0.919	248	97	VV	0.043	0.0080
3	1.063	1211	133	VV	0.121	0.0390
4	1.242	583	122	PV	0.075	0.0188
5	1.347	250	80	VV	0.052	0.0080
6	1.452	670	124	VV	0.090	0.0216
7	1.691	378	99.6	VV	0.063	0.0122
8	1.897	815	95	PV	0.125	0.0262
9	2.078	494	70	PV	0.099	0.0159
10	2.252	325	94	VV	0.058	0.0105
11	2.400	175	100	PV	0.029	0.0056
12	3.469	1161290	25573	VV	0.594	37.4035
13	4.581	11710	1679	VV	0.116	0.3772
14	4.717	30042	1423	VV	0.352	0.9676
15	5.144	4562	982	VV	0.077	0.1469
16	5.226	18278	975	VV	0.312	0.5887
17	5.649	3635	694	VV	0.082	0.1171
18	5.701	3115	639	VV	0.081	0.1003
19	5.808	5007	620	VV	0.135	0.1613
20	5.959	3166	548	VV	0.081	0.1020

21	6.146	4938	485	VV	0.162	0.1590
22	6.382	9161	605	VV	0.203	0.2951
23	6.805	2383	281	VV	0.122	0.0767
24	6.926	3419	401	VV	0.124	0.1101
25	7.279	1278	187	VV	0.102	0.0412
26	7.618	1797893	282310	PV	0.093	57.9076
27	9.020	6791	564	VV	0.201	0.2187
28	9.248	2360	375	VV	0.105	0.0760
29	9.386	1651	271	VV	0.102	0.0532
30	10.527	978	110	PV	0.139	0.0315
31	10.730	180	75	PV	0.039	0.0058
32	10.820	474	71	VV	0.090	0.0153
33	10.945	512	91	VV	0.081	0.0165
34	11.321	1048	89	VV	0.196	0.0337
35	11.507	466	132	VV	0.059	0.0150
36	11.770	1885	264	PV	0.119	0.0607
37	11.826	621	237	VV	0.044	0.0200
38	11.924	2318	199	VV	0.149	0.0747
39	12.105	837	296	VV	0.047	0.0270
40	12.229	2277	313	VV	0.121	0.0733
41	12.450	3080	310	VV	0.131	0.0992
42	12.544	1517	269	VV	0.094	0.0489
43	12.703	2389	276	VV	0.144	0.0769
44	12.843	729	169	VV	0.072	0.0235
45	12.907	692	190	VV	0.053	0.0223
46	13.051	1213	189	VV	0.101	0.0391
47	13.258	441	112	PV	0.069	0.0142
48	13.336	702	118	VV	0.081	0.0226
49	13.505	69	46	PV	0.034	0.0022
50	13.763	1099	115	PV	0.154	0.0354
51	13.854	349	93	PV	0.063	0.0112
52	13.962	510	118	VV	0.071	0.0164
53	14.158	715	92	VV	0.113	0.0230
54	14.322	620	142	PV	0.065	0.0200
55	14.559	1072	149	PV	0.093	0.0345
56	14.838	800	69	PV	0.194	0.0258

Total area = 3104764

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\005R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\005F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 6

Sample Name : 208261-01 ~~dup~~ Injection Number : 1

Acquired on : 23-Aug-22 7:22 AM

Report Created on: 23 Aug 22 07:38 AM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
105	FID	7.620	144472	1.38E+05
99	PID	7.618	1797893	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.00 ppb	FID	0.000	0	4.82E+03
0.00 ppb	PID	0.000	0	2.57E+04
Toluene				
0.44 ppb	FID	5.252	2065	4.71E+03
0.73 ppb	PID	5.226	18278	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.12 ppb	PID	6.805	2383	1.91E+04
m,p-Xylenes				
0.83 ppb	FID	6.974	3358	4.03E+03
0.13 ppb	PID	6.926	3419	2.65E+04
o-Xylene				
0.10 ppb	FID	7.202	443	4.40E+03
0.05 ppb	PID	7.279	1278	2.55E+04
Nap-PID, C12-FID				
0.12 ppb	FID	11.159	506	4.16E+03
0.01 ppb	PID	10.945	512	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
113.31 ppb	FID		173903	1.53E+03
211.26 ppb	PID		1261984	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-144472	1.15E+03
734.95 ppb	PID		-1797893	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\026F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01 dup
Run Time Bar Code:
Acquired on : 23 Aug 22 03:57 PM
Report Created on: 23 Aug 22 04:12 PM
Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\026F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.158	702	146	BV	0.080	0.2890
2	0.306	271	99	VV	0.043	0.1114
3	0.370	566	203	VV	0.046	0.2329
4	0.486	891	162	PV	0.078	0.3664
5	0.613	344	139	VV	0.041	0.1416
6	0.671	525	162	VV	0.054	0.2158
7	0.909	20413	1712	VV	0.153	8.3974
8	1.230	1581	326	VV	0.081	0.6502
9	1.311	859	255	VV	0.051	0.3533
10	1.430	3483	437	VV	0.133	1.4329
11	1.571	1177	251	VV	0.078	0.4842
12	1.700	536	177	VV	0.050	0.2206
13	1.788	586	214	VV	0.046	0.2410
14	1.870	925	212	VV	0.066	0.3806
15	1.948	685	180	VV	0.063	0.2818
16	2.120	1239	193	VV	0.107	0.5099
17	2.277	779	217	VV	0.060	0.3203
18	2.330	1292	172	VV	0.126	0.5314
19	2.521	304	125	VV	0.041	0.1250
20	2.666	1902	173	VV	0.184	0.7824
21	2.836	540	161	VV	0.056	0.2220
22	2.920	1259	121	VV	0.174	0.5179
23	3.118	416	197	VV	0.035	0.1710
24	3.247	877	140	VV	0.104	0.3607
25	3.413	1059	313	VV	0.056	0.4358
26	3.512	553	179	PV	0.050	0.2276
27	3.591	352	142	VV	0.042	0.1446
28	3.638	1095	175	VV	0.105	0.4504
29	3.891	834	197	VV	0.061	0.3431
30	3.955	1037	177	VV	0.097	0.4264
31	4.118	243	112	VV	0.044	0.0999
32	4.198	521	173	VV	0.048	0.2144
33	4.295	449	148	VV	0.051	0.1845
34	4.385	315	189	VV	0.028	0.1297
35	4.453	365	134	PB	0.042	0.1501
36	4.667	398	147	BV	0.041	0.1639
37	4.850	724	132	PV	0.091	0.2979
38	4.959	615	175	PV	0.078	0.2531
39	5.084	240	102	VV	0.039	0.0986
40	5.233	3968	490	VV	0.116	1.6322
41	5.484	1124	237	VV	0.079	0.4623
42	5.727	1721	269	VV	0.088	0.7081
43	5.809	488	211	VV	0.039	0.2007
44	5.880	184	107	VV	0.029	0.0757
45	5.933	1492	228	PV	0.109	0.6137
46	6.138	635	114	VV	0.080	0.2612
47	6.254	261	130	VV	0.034	0.1072

Data File Name : C:\HPCHEM\2\DATA\02-23-22\026F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01 dup
Run Time Bar Code:
Acquired on : 23 Aug 22 03:57 PM
Report Created on: 23 Aug 22 04:12 PM

Page Number : 2
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	6.394	1028	163	VV	0.104	0.4229
49	6.497	1138	192	VV	0.099	0.4681
50	6.952	3807	458	VV	0.112	1.5662
51	7.124	623	203	VV	0.051	0.2564
52	7.308	1216	171	VV	0.118	0.5004
53	7.622	136062	23584	PV	0.086	55.9711
54	7.956	3509	531	VV	0.110	1.4435
55	8.100	1188	330	VV	0.060	0.4888
56	8.175	780	237	VV	0.055	0.3208
57	8.267	1248	217	VV	0.096	0.5134
58	8.371	667	167	VV	0.066	0.2743
59	8.502	465	141	VB	0.052	0.1912
60	8.801	743	237	BV	0.063	0.3058
61	8.921	560	181	PV	0.052	0.2305
62	9.055	1141	208	VV	0.091	0.4694
63	9.346	2056	205	VV	0.175	0.8456
64	9.478	603	172	VV	0.058	0.2482
65	9.573	887	182	VV	0.081	0.3649
66	9.692	467	165	VV	0.047	0.1921
67	9.774	501	237	VV	0.035	0.2061
68	9.851	617	285	VV	0.045	0.2537
69	9.962	3549	171	PV	0.259	1.4600
70	10.506	382	150	VV	0.042	0.1572
71	10.562	698	124	VV	0.094	0.2872
72	10.790	1273	224	VV	0.095	0.5235
73	10.931	1021	186	VV	0.091	0.4201
74	11.173	666	124	VV	0.100	0.2739
75	11.225	711	178	VV	0.067	0.2926
76	11.333	351	110	VV	0.053	0.1445
77	11.402	238	125	VV	0.032	0.0977
78	11.476	1834	167	PV	0.209	0.7545
79	11.789	402	98	VV	0.069	0.1655
80	11.873	516	134	VV	0.064	0.2124
81	11.961	1272	156	VV	0.113	0.5234
82	12.178	1016	128	VV	0.132	0.4180
83	12.388	1313	148	VV	0.148	0.5401
84	12.618	1841	167	VV	0.183	0.7573
85	12.879	1664	168	VV	0.199	0.6843
86	13.199	973	175	VV	0.093	0.4002
87	13.360	1184	170	VV	0.116	0.4870
88	13.548	876	247	VV	0.059	0.3605
89	14.572	284	90	BV	0.064	0.1170
90	14.722	487	90	PV	0.090	0.2005
91	15.055	409	138	PBA	0.049	0.1684

Total area = 243093

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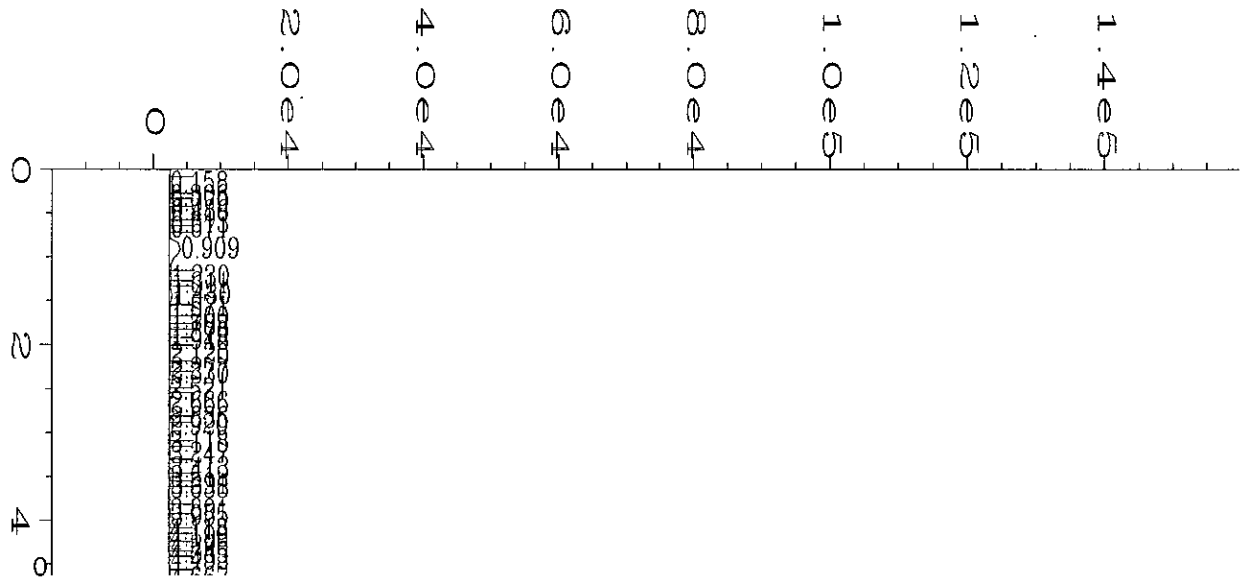
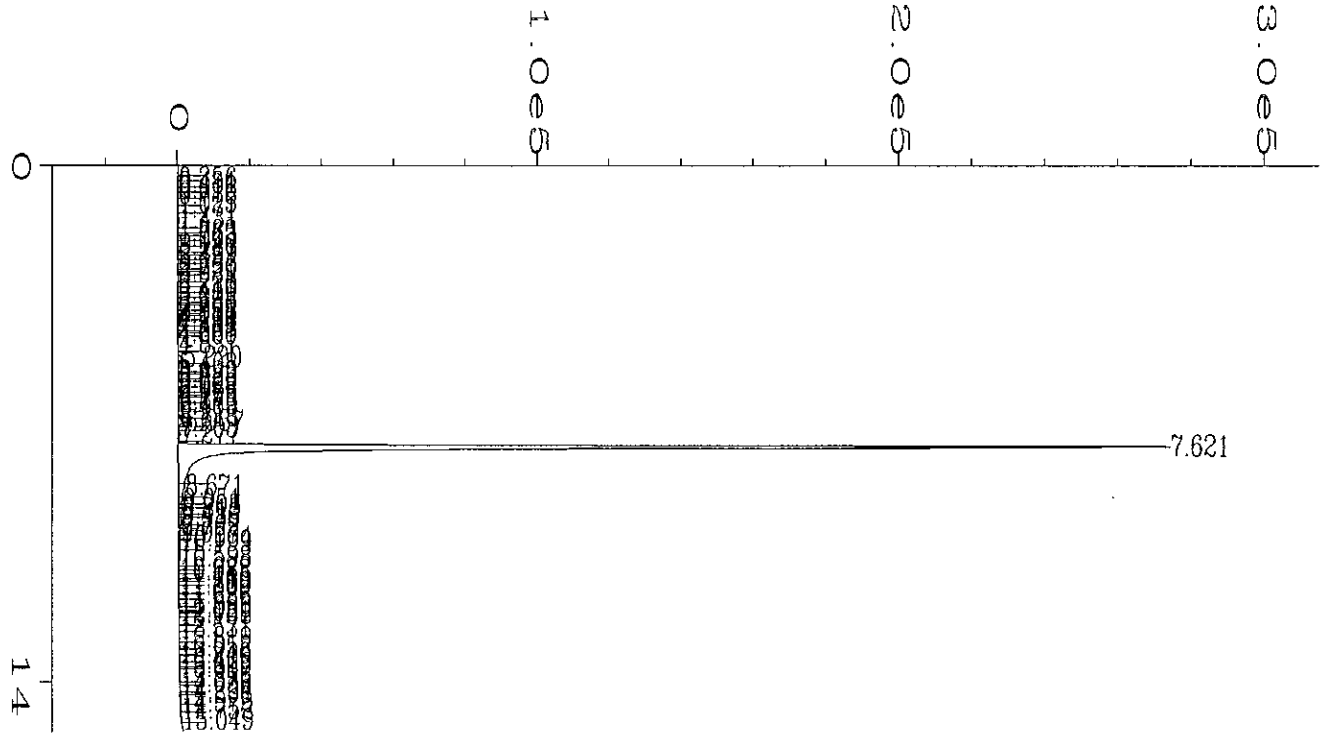


Data File Name	: C:\HPCHEM\2\DATA\02-23-22\026F0101.D		
Operator	: jeb	Page Number	: 1
Instrument	: GC2	Vial Number	: 26
Sample Name	: 208261-01 dup	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 23 Aug 22 03:57 PM	Instrument Method	: GX.MTH
Report Created on	: 23 Aug 22 04:12 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\026R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208261-01 dup
Run Time Bar Code:
Acquired on : 23 Aug 22 03:57 PM
Report Created on: 23 Aug 22 04:12 PM

Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\026R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.356	591	126	PV	0.069	0.0302
2	0.481	963	139	PV	0.095	0.0493
3	0.616	865	140	VV	0.103	0.0443
4	0.776	1773	211	VV	0.112	0.0907
5	1.025	1764	206	VV	0.112	0.0903
6	1.171	2012	183	VV	0.167	0.1030
7	1.431	5683	359	VV	0.200	0.2909
8	1.783	1158	237	VV	0.067	0.0593
9	1.863	600	190	VV	0.053	0.0307
10	1.943	760	160	VV	0.069	0.0389
11	2.146	1422	219	VV	0.091	0.0728
12	2.287	1693	236	VV	0.101	0.0866
13	2.399	759	206	VV	0.061	0.0388
14	2.451	1292	198	VV	0.109	0.0661
15	2.750	1630	195	VV	0.112	0.0834
16	2.829	700	218	VV	0.053	0.0358
17	2.921	680	191	VV	0.059	0.0348
18	3.220	1250	203	VV	0.089	0.0640
19	3.410	1324	200	VV	0.123	0.0678
20	3.481	673	143	VV	0.085	0.0344

21	3.628	860	152	VV	0.084	0.0440
22	3.736	444	147	VV	0.050	0.0227
23	3.891	1187	192	VV	0.105	0.0607
24	3.957	869	218	VV	0.061	0.0445
25	4.036	338	154	VV	0.037	0.0173
26	4.119	766	141	VV	0.083	0.0392
27	4.198	340	156	VV	0.036	0.0174
28	4.254	543	138	VV	0.066	0.0278
29	4.383	587	157	VV	0.072	0.0300
30	4.521	286	157	PV	0.030	0.0146
31	4.600	491	124	VV	0.060	0.0251
32	4.837	2278	211	VV	0.175	0.1166
33	5.220	10198	1500	PV	0.100	0.5219
34	5.408	2347	256	VV	0.128	0.1201
35	5.623	603	166	VV	0.061	0.0309
36	5.729	1363	246	VV	0.077	0.0697
37	5.803	496	171	VV	0.048	0.0254
38	5.929	714	131	VV	0.086	0.0365
39	6.058	844	142	VV	0.083	0.0432
40	6.179	389	119	VV	0.054	0.0199
41	6.255	327	135	VV	0.040	0.0168
42	6.375	2011	336	VV	0.083	0.1029
43	6.483	1535	167	VV	0.122	0.0786
44	6.813	3413	583	VV	0.088	0.1747
45	6.937	13764	2018	VV	0.100	0.7044
46	7.103	1849	384	VV	0.080	0.0946
47	7.277	5651	705	VV	0.114	0.2892
48	7.621	1753682	279682	VV	0.092	89.7480
49	8.671	30668	1829	VV	0.211	1.5695
50	9.051	11422	1181	VV	0.161	0.5845
51	9.208	5199	979	VV	0.089	0.2661
52	9.310	8308	911	VV	0.126	0.4252
53	9.456	3205	780	VV	0.068	0.1640
54	9.535	9492	729	VV	0.201	0.4858
55	9.762	2857	661	VV	0.072	0.1462
56	9.957	3242	516	VV	0.090	0.1659
57	10.064	3099	515	VV	0.085	0.1586
58	10.199	6686	460	VV	0.203	0.3422
59	10.598	7547	403	VV	0.232	0.3863
60	10.922	1078	227	VV	0.066	0.0552
61	10.983	757	228	VV	0.058	0.0388
62	11.145	1150	178	VV	0.099	0.0588
63	11.210	599	157	VV	0.063	0.0306
64	11.308	708	147	VV	0.080	0.0362
65	11.389	1537	177	VV	0.145	0.0786
66	11.626	897	124	VV	0.121	0.0459
67	11.890	2361	317	VV	0.101	0.1208
68	11.986	1061	199	VV	0.083	0.0543
69	12.081	506	173	VV	0.049	0.0259
70	12.158	1074	195	VV	0.092	0.0549
71	12.531	1114	156	VV	0.120	0.0570
72	12.819	1995	154	VV	0.206	0.1021
73	13.052	1141	139	VV	0.114	0.0584
74	13.240	778	104	PV	0.130	0.0398
75	13.400	1165	158	VV	0.127	0.0596
76	13.526	865	157	VV	0.094	0.0443
77	13.617	235	112	PV	0.035	0.0120
78	13.876	2485	151	VV	0.226	0.1272
79	14.036	283	85	VV	0.052	0.0145
80	14.224	1186	132	PV	0.138	0.0607
81	14.305	302	149	VV	0.034	0.0155
82	14.572	1009	143	PV	0.109	0.0516

83	14.752	654	86	PV	0.133	0.0335
84	15.049	1576	168	VV	0.120	0.0807

Total area = 1954008

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\026R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\026F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 26

Sample Name : 208261-01 dup Injection Number : 1

Acquired on : 23-Aug-22 3:57 PM

Report Created on: 23 Aug 22 04:12 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
98	FID	7.622	136062	1.38E+05
96	PID	7.621	1753682	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.26 ppb	FID	3.247	1259	4.82E+03
0.05 ppb	PID	3.220	1250	2.57E+04
Toluene				
0.84 ppb	FID	5.233	3968	4.71E+03
0.41 ppb	PID	5.220	10198	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.18 ppb	PID	6.813	3413	1.91E+04
m,p-Xylenes				
0.94 ppb	FID	6.952	3807	4.03E+03
0.52 ppb	PID	6.937	13764	2.65E+04
o-Xylene				
0.28 ppb	FID	7.308	1216	4.40E+03
0.22 ppb	PID	7.277	5651	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.02 ppb	PID	10.983	1078	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
24.07 ppb	FID		36938	1.53E+03
14.80 ppb	PID		88408	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-136062	1.15E+03
716.88 ppb	PID		-1753682	-2.45E+03

NWTPH-Gx
Sample Data

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\020F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-02
Run Time Bar Code:
Acquired on : 23 Aug 22 01:22 PM
Report Created on: 23 Aug 22 01:37 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\020F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.225	432	170	BV	0.045	0.1094
2	0.422	1183	110	PV	0.163	0.2998
3	0.542	324	99.7	VV	0.054	0.0822
4	0.685	835	172	VV	0.086	0.2116
5	0.738	914	243	VV	0.063	0.2315
6	0.943	18803	1450	VV	0.171	4.7635
7	1.233	2829	342	VV	0.109	0.7167
8	1.438	5885	467	VV	0.164	1.4909
9	1.762	477	177	VV	0.045	0.1209
10	1.894	1756	232	VV	0.101	0.4449
11	2.067	1643	187	VV	0.146	0.4163
12	2.161	499	175	VV	0.048	0.1263
13	2.255	962	259	VV	0.062	0.2438
14	2.396	1418	185	VV	0.128	0.3592
15	2.521	506	163	VV	0.052	0.1283
16	2.699	2718	208	VV	0.218	0.6886
17	2.936	669	161	VV	0.069	0.1695
18	3.085	1080	184	VV	0.099	0.2737
19	3.145	641	186	VV	0.052	0.1623
20	3.309	1045	173	VV	0.101	0.2646
21	3.373	1259	218	VV	0.096	0.3191
22	3.526	1155	198	VV	0.084	0.2927
23	3.645	489	144	VV	0.057	0.1240
24	3.734	624	161	VV	0.065	0.1580
25	3.968	1039	177	VV	0.081	0.2631
26	4.124	489	204	VV	0.040	0.1238
27	4.212	1528	177	VV	0.120	0.3871
28	4.440	344	133	VV	0.043	0.0871
29	4.511	593	203	VV	0.049	0.1504
30	4.627	719	158	VV	0.076	0.1822
31	4.681	810	194	VV	0.070	0.2053
32	4.810	1188	199	VV	0.090	0.3009
33	4.963	561	148	VV	0.063	0.1422
34	5.088	701	203	PV	0.057	0.1775
35	5.222	5885	805	VV	0.100	1.4909
36	5.443	384	144	VV	0.045	0.0974
37	5.680	1768	183	VV	0.178	0.4479
38	5.789	973	340	VV	0.049	0.2466
39	5.853	438	103	VV	0.071	0.1110
40	5.937	334	153	VV	0.036	0.0845
41	5.986	434	164	VV	0.044	0.1099
42	6.067	763	189	VV	0.066	0.1932
43	6.231	1320	197	VV	0.102	0.3344
44	6.376	862	169	VV	0.085	0.2183
45	6.531	1013	174	VV	0.082	0.2566
46	6.694	643	187	VV	0.057	0.1629
47	6.801	2265	477	VV	0.079	0.5738

Data File Name : C:\HPCHEM\2\DATA\02-23-22\020F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-02
Run Time Bar Code:
Acquired on : 23 Aug 22 01:22 PM
Report Created on: 23 Aug 22 01:37 PM

Page Number : 2
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	6.939	5628	737	VV	0.105	1.4259
49	7.255	3259	352	VV	0.119	0.8256
50	7.468	904	226	VV	0.067	0.2290
51	7.624	153722	25097	VV	0.090	38.9445
52	8.108	9137	1112	VV	0.107	2.3147
53	8.260	4249	823	VV	0.086	1.0765
54	8.375	6509	861	VV	0.104	1.6489
55	8.613	7293	911	VV	0.133	1.8477
56	8.689	10374	1089	VV	0.131	2.6282
57	8.843	5346	851	VV	0.105	1.3545
58	9.043	7741	1106	VV	0.104	1.9611
59	9.101	2941	947	VV	0.052	0.7450
60	9.321	20104	1350	VV	0.200	5.0932
61	9.501	8394	1130	VV	0.113	2.1267
62	9.638	15785	1141	VV	0.176	3.9989
63	9.896	6885	883	VV	0.130	1.7444
64	10.095	7907	922	VV	0.130	2.0031
65	10.196	4366	764	VV	0.095	1.1061
66	10.309	4893	721	VV	0.113	1.2397
67	10.488	5554	571	VV	0.145	1.4070
68	10.653	4720	399	VV	0.197	1.1958
69	10.909	827	274	VV	0.050	0.2095
70	10.957	2709	280	VV	0.161	0.6863
71	11.182	577	213	VV	0.045	0.1461
72	11.254	1292	194	VV	0.096	0.3273
73	11.391	2284	199	VV	0.191	0.5786
74	11.644	823	198	VV	0.069	0.2085
75	11.881	4759	426	VV	0.152	1.2057
76	12.080	859	220	VV	0.057	0.2175
77	12.170	1469	243	VV	0.101	0.3721
78	12.712	2039	209	VV	0.163	0.5165
79	13.041	453	141	VV	0.054	0.1149
80	13.108	517	158	VV	0.055	0.1311
81	13.382	483	147	VV	0.055	0.1225
82	13.487	1170	118	PV	0.134	0.2964
83	13.694	306	119	VV	0.048	0.0775
84	13.744	366	107	VV	0.057	0.0927
85	13.828	1877	135	PV	0.233	0.4755
86	14.222	1098	97	VV	0.190	0.2782
87	14.629	461	115	PV	0.065	0.1169
88	14.729	234	62	VV	0.063	0.0592
89	14.806	260	87	VV	0.050	0.0658
90	15.012	426	54	PV	0.132	0.1080
91	15.140	520	84	PV	0.112	0.1317

Total area = 394721

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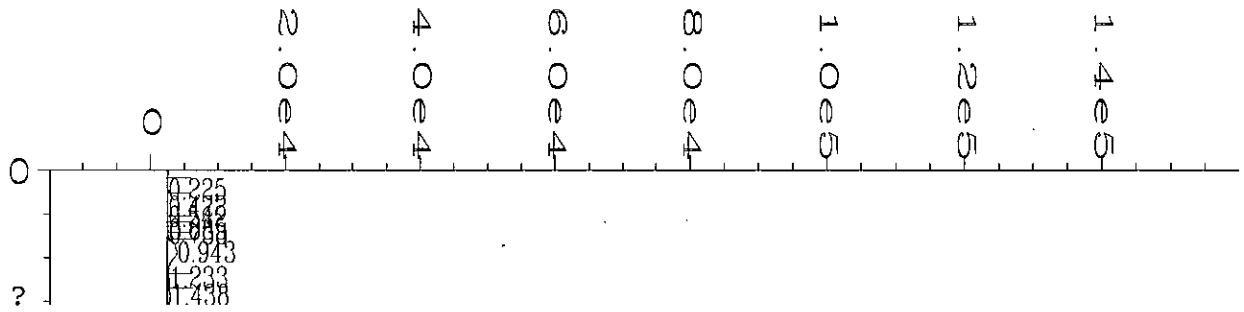
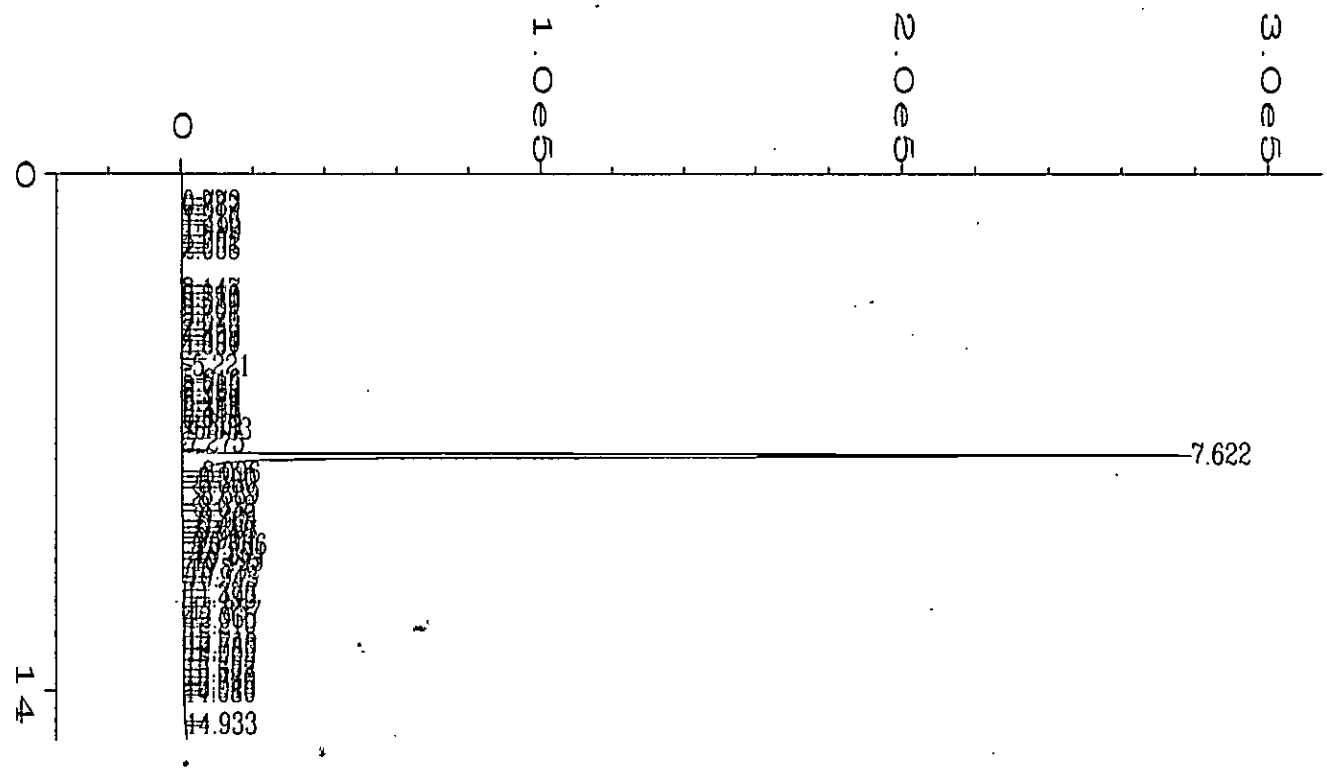


Data File Name	: C:\HPCHEM\2\DATA\02-23-22\020F0101.D		
Operator	: jeb	Page Number	: 1
Instrument	: GC2	Vial Number	: 20
Sample Name	: 208257-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 23 Aug 22 01:22 PM	Instrument Method	: GX.MTH
Report Created on	: 23 Aug 22 01:37 PM	Analysis Method	: GX.MTH



Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\020R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-02
Run Time Bar Code:
Acquired on : 23 Aug 22 01:22 PM
Report Created on: 23 Aug 22 01:37 PM
Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\020R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.773	974	134	PV	0.105	0.0412
2	0.887	392	99	VV	0.058	0.0166
3	1.216	743	141	PV	0.086	0.0314
4	1.318	488	106	VV	0.080	0.0207
5	1.490	2865	323	VV	0.117	0.1213
6	1.791	601	81	PV	0.135	0.0254
7	1.902	209	62	VB	0.056	0.0089
8	2.065	348	74	BV	0.073	0.0147
9	3.147	441	74	PV	0.082	0.0187
10	3.310	366	105	VV	0.050	0.0155
11	3.373	376	123	VV	0.051	0.0159
12	3.530	768	100	VV	0.119	0.0325
13	3.701	729	95	PV	0.128	0.0309
14	3.876	885	87	VV	0.148	0.0375
15	4.332	547	112	VV	0.082	0.0232
16	4.399	95	69	PV	0.023	0.0040
17	4.453	316	102	PV	0.052	0.0134
18	4.590	568	131	PV	0.065	0.0241
19	4.661	939	120	VV	0.131	0.0398
20	5.221	21113	3070	PV	0.102	0.8939

21	5.616	434	138	VV	0.049	0.0184
22	5.786	1464	243	VV	0.084	0.0620
23	5.928	196	81	VV	0.046	0.0083
24	6.121	599	108	PV	0.074	0.0254
25	6.174	331	86	VV	0.064	0.0140
26	6.368	1618	241	VV	0.100	0.0685
27	6.487	792	140	VV	0.079	0.0335
28	6.618	537	92	VV	0.097	0.0227
29	6.801	7254	1399	PV	0.078	0.3071
30	6.933	20926	3322	VV	0.093	0.8859
31	7.275	9396	1175	VV	0.113	0.3978
32	7.622	1668985	282827	VV	0.088	70.6599
33	8.096	42828	5446	VV	0.113	1.8132
34	8.260	31649	4386	VV	0.102	1.3399
35	8.380	35422	4322	VV	0.121	1.4997
36	8.689	101871	5086	VV	0.255	4.3129
37	9.038	34549	4142	VV	0.121	1.4627
38	9.304	67465	4891	VV	0.180	2.8563
39	9.466	42484	4329	VV	0.140	1.7987
40	9.633	30745	4425	VV	0.098	1.3016
41	9.718	30492	3749	VV	0.136	1.2909
42	9.903	25336	3466	VV	0.103	1.0727
43	10.066	49690	3448	VV	0.190	2.1037
44	10.304	24404	3185	VV	0.108	1.0332
45	10.493	27257	2375	VV	0.150	1.1540
46	10.732	15638	1418	VV	0.143	0.6621
47	10.943	7530	968	VV	0.130	0.3188
48	11.378	5463	537	VV	0.170	0.2313
49	11.493	4970	451	VV	0.184	0.2104
50	11.857	19066	1695	VV	0.165	0.8072
51	12.065	4462	601	VV	0.124	0.1889
52	12.210	2164	436	VV	0.073	0.0916
53	12.749	5634	481	VV	0.163	0.2385
54	12.880	814	267	VV	0.051	0.0345
55	12.965	2659	232	VV	0.191	0.1126
56	13.382	1072	166	PV	0.108	0.0454
57	13.523	710	82	PV	0.111	0.0301
58	13.730	374	75	PV	0.075	0.0158
59	13.845	121	68	PV	0.030	0.0051
60	13.945	509	93	VV	0.078	0.0215
61	14.080	191	54	VV	0.055	0.0081
62	14.933	133	59	PV	0.038	0.0056

Total area = 2361998

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\020R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\020F0101.D

Operator : jeb Page Number : 1
Instrument : GC2 Vial Number : 20
Sample Name : 208257-02 Injection Number : 1
Acquired on : 23-Aug-22 1:22 PM
Report Created on: 23 Aug 22 01:37 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
111	FID	7.624	153722	1.38E+05
92	PID	7.622	1668985	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.22 ppb	FID	3.145	1080	4.82E+03
0.02 ppb	PID	3.147	441	2.57E+04
Toluene				
1.25 ppb	FID	5.222	5885	4.71E+03
0.84 ppb	PID	5.221	21113	2.51E+04
Ethylbenzene				
0.64 ppb	FID	6.801	2265	3.56E+03
0.38 ppb	PID	6.801	7254	1.91E+04
m,p-Xylenes				
1.39 ppb	FID	6.939	5628	4.03E+03
0.79 ppb	PID	6.933	20926	2.65E+04
o-Xylene				
0.74 ppb	FID	7.255	3259	4.40E+03
0.37 ppb	PID	7.275	9396	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.34 ppb	PID	10.943	15638	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
54.76 ppb	FID		84046	1.53E+03
47.28 ppb	PID		282460	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-153722	1.15E+03
682.26 ppb	PID		-1668985	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\022F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-05 1/5
Run Time Bar Code:
Acquired on : 23 Aug 22 02:13 PM
Report Created on: 23 Aug 22 02:29 PM
Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\022F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.215	582	133	BV	0.073	0.0063
2	0.344	512	145	VV	0.059	0.0056
3	0.404	309	203	VV	0.025	0.0034
4	0.470	372	166	PV	0.038	0.0041
5	0.549	789	163	VV	0.081	0.0086
6	0.747	1323	203	VV	0.109	0.0144
7	0.900	18448	1521	VV	0.177	0.2008
8	1.307	1099	267	VV	0.069	0.0120
9	1.443	4034	463	VV	0.114	0.0439
10	1.610	1222	161	VV	0.127	0.0133
11	1.907	2364	234	VV	0.137	0.0257
12	2.071	1908	272	VV	0.105	0.0208
13	2.333	11302	1226	VV	0.135	0.1230
14	2.719	14579	1807	VV	0.120	0.1587
15	3.186	755	138	VV	0.091	0.0082
16	3.392	33723	2862	VV	0.169	0.3671
17	3.908	19816	1843	VV	0.155	0.2157
18	4.164	4127	503	VV	0.110	0.0449
19	4.367	419	153	VV	0.042	0.0046
20	4.579	60278	9163	PV	0.101	0.6561
21	4.779	5698	809	VV	0.098	0.0620
22	4.892	2733	388	VV	0.117	0.0298
23	5.225	183414	28021	VV	0.098	1.9964
24	5.717	1588	333	VV	0.080	0.0173
25	5.848	1170	256	VV	0.076	0.0127
26	6.268	275	120	VV	0.038	0.0030
27	6.328	1138	164	PV	0.116	0.0124
28	6.532	805	165	VV	0.082	0.0088
29	6.797	1514676	328837	PV	0.072	16.4867
30	6.930	5370945	1032315	VV	0.080	58.4608
31	7.271	1282226	243487	VV	0.080	13.9566
32	7.622	267652	31761	VV	0.116	2.9133
33	8.251	129960	12362	VV	0.141	1.4146
34	8.486	35659	5711	VV	0.091	0.3881
35	8.681	84175	13426	VV	0.092	0.9162
36	8.919	4352	1331	VV	0.054	0.0474
37	9.047	36945	6239	VV	0.087	0.4021
38	9.213	26343	2629	VV	0.136	0.2867
39	9.458	10131	1151	VV	0.147	0.1103
40	9.818	18034	1055	VV	0.233	0.1963
41	10.062	4537	728	VV	0.104	0.0494
42	10.206	4501	640	VV	0.097	0.0490
43	10.469	2218	379	VV	0.098	0.0241
44	10.586	5378	525	VV	0.135	0.0585
45	10.869	929	205	VV	0.076	0.0101
46	11.093	276	122	VV	0.038	0.0030
47	11.161	300	131	PB	0.038	0.0033

Data File Name : C:\HPCHEM\2\DATA\02-23-22\022F0101.D
Operator : jeb
Page Number : 2
Instrument : GC2
Vial Number : 22
Sample Name : 208257-05 1/5
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 23 Aug 22 02:13 PM
Instrument Method: GX.MTH
Report Created on: 23 Aug 22 02:29 PM
Analysis Method : GX.MTH

48	11.507	348	102	PV	0.057	0.0038
49	11.610	461	111	VV	0.069	0.0050
50	11.856	919	207	VV	0.074	0.0100
51	11.902	626	180	VV	0.058	0.0068
52	11.995	1592	171	VV	0.128	0.0173
53	12.656	2353	193	PV	0.154	0.0256
54	12.963	715	215	PV	0.055	0.0078
55	13.081	1519	127	VV	0.200	0.0165
56	13.313	1455	120	VV	0.202	0.0158
57	13.600	542	208	VV	0.043	0.0059
58	13.817	296	138	PV	0.036	0.0032
59	13.914	466	137	VV	0.055	0.0051
60	14.328	545	83	PV	0.108	0.0059
61	14.474	675	88	VV	0.133	0.0073
62	14.957	502	87	PV	0.102	0.0055
63	15.215	224	67	PV	0.058	0.0024

Total area = 9187259

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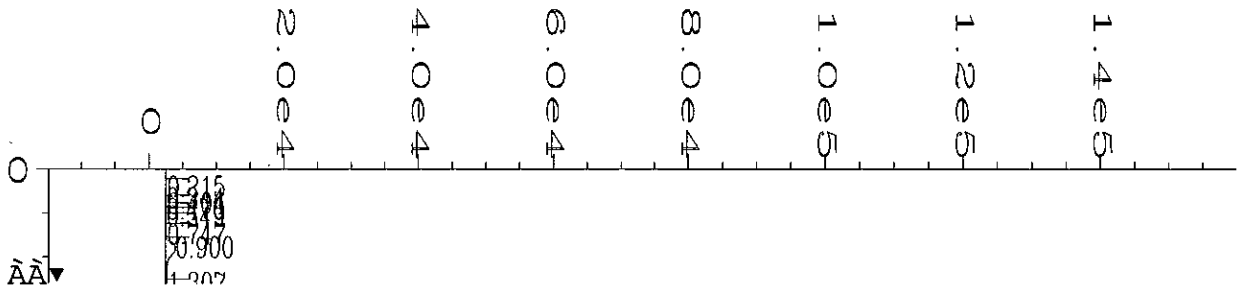
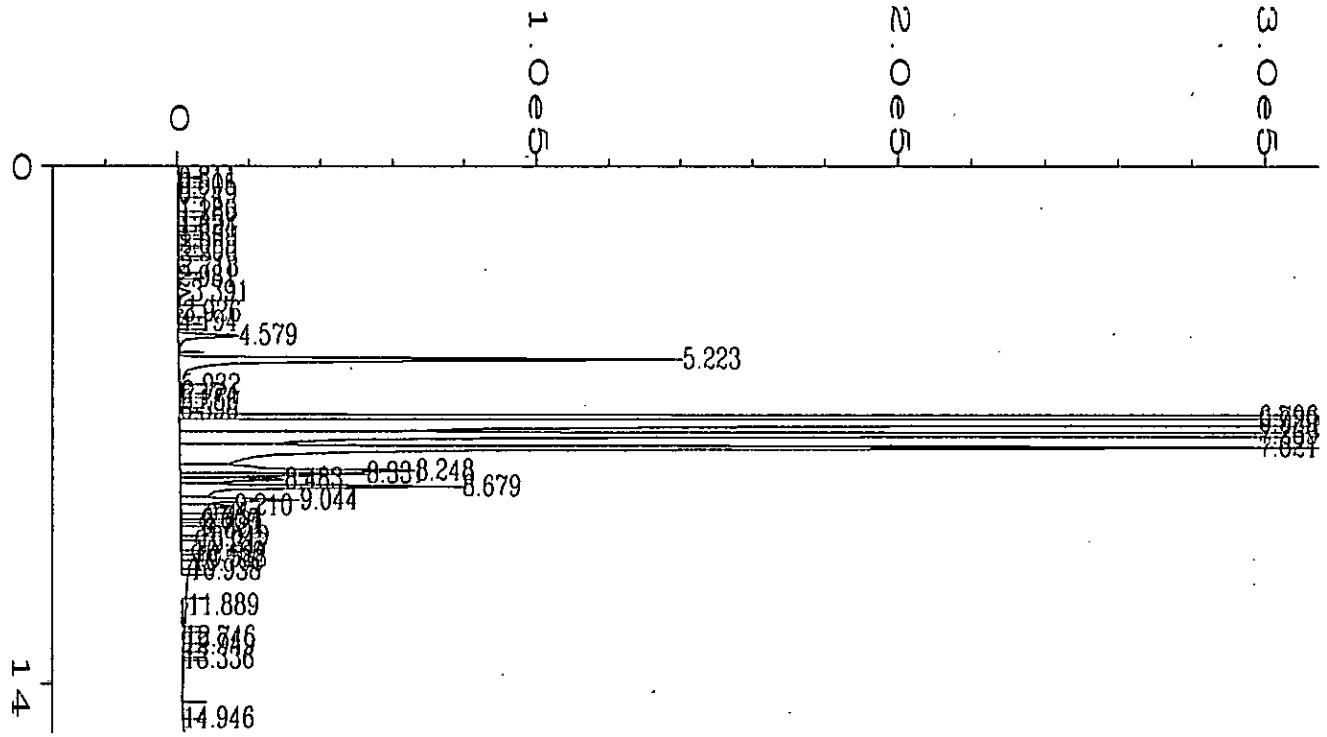


Data File Name	: C:\HPCHEM\2\DATA\02-23-22\022F0101.D		
Operator	: jeb	Page Number	: 1
Instrument	: GC2	Vial Number	: 22
Sample Name	: 208257-05 1/5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 23 Aug 22 02:13 PM	Instrument Method	: GX.MTH
Report Created on	: 23 Aug 22 02:29 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\022R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-05 1/5
Run Time Bar Code:
Acquired on : 23 Aug 22 02:13 PM
Report Created on: 23 Aug 22 02:29 PM

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\022R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.311	156	76	PV	0.034	0.0003
2	0.505	335	76	PV	0.077	0.0007
3	0.749	1051	130	VV	0.107	0.0022
4	1.186	1623	121	VV	0.223	0.0034
5	1.239	967	149	VV	0.108	0.0020
6	1.452	2920	311	VV	0.118	0.0061
7	1.624	784	137	VV	0.096	0.0016
8	1.889	559	131	VV	0.065	0.0012
9	2.089	1397	157	VV	0.137	0.0029
10	2.300	1204	117	VV	0.146	0.0025
11	2.718	4078	558	VV	0.107	0.0085
12	2.981	369	72	VV	0.081	0.0008
13	3.391	34706	3378	PV	0.153	0.0720
14	3.926	12340	1202	VV	0.142	0.0256
15	4.194	1794	252	VV	0.114	0.0037
16	4.579	120611	17007	PV	0.107	0.2504
17	5.223	910469	141552	VV	0.096	1.8899
18	5.932	8562	722	VV	0.148	0.0178
19	6.174	932	226	VV	0.069	0.0019
20	6.350	4408	348	VV	0.166	0.0091

21	6.596	700	162	VV	0.072	0.0015
22	6.796	7300984	1564341	PV	0.073	15.1547
23	6.929	2.85833E+007	5233367	VV	0.085	59.3305
24	7.269	6487807	1217405	VV	0.081	13.4668
25	7.621	2418284	340380	VV	0.102	5.0197
26	8.248	497720	66396	VV	0.105	1.0331
27	8.331	259848	52107	VV	0.083	0.5394
28	8.483	190389	29319	VV	0.094	0.3952
29	8.679	525085	79155	VV	0.096	1.0899
30	9.044	205927	33516	VV	0.090	0.4274
31	9.210	148073	15000	VV	0.133	0.3074
32	9.454	56614	6821	VV	0.112	0.1175
33	9.600	28832	5518	VV	0.075	0.0598
34	9.725	31940	5778	VV	0.081	0.0663
35	9.823	80519	6382	VV	0.167	0.1671
36	10.049	32410	4467	VV	0.121	0.0673
37	10.217	59581	4625	VV	0.172	0.1237
38	10.466	20540	3190	VV	0.089	0.0426
39	10.588	30498	3946	VV	0.111	0.0633
40	10.700	35228	2963	VV	0.198	0.0731
41	10.938	18518	2172	VV	0.142	0.0384
42	11.889	43137	1432	VV	0.373	0.0895
43	12.746	7226	517	VV	0.173	0.0150
44	12.949	2880	293	VV	0.164	0.0060
45	13.336	198	90	PV	0.036	0.0004
46	14.946	887	55	PV	0.269	0.0018

Total area = 4.81763E+007

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\022R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\022F0101.D

Operator : jeb Page Number : 1
Instrument : GC2 Vial Number : 22
Sample Name : 208257-05 1/5 Injection Number : 1
Acquired on : 23-Aug-22 2:13 PM
Report Created on: 23 Aug 22 02:29 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
194	FID	7.622	267652	1.38E+05
133	PID	7.621	2418284	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.16 ppb	FID	3.186	755	4.82E+03
0.01 ppb	PID	2.981	369	2.57E+04
Toluene				
38.95 ppb	FID	5.225	183414	4.71E+03
36.28 ppb	PID	5.223	910469	2.51E+04
Ethylbenzene				
426.01 ppb	FID	6.797	1514676	3.56E+03
382.01 ppb	PID	6.796	7300984	1.91E+04
m,p-Xylenes				
1331.28 ppb	FID	6.930	5370945	4.03E+03
1078.23 ppb	PID	6.929	2.9E+07	2.65E+04
o-Xylene				
291.65 ppb	FID	7.271	1282226	4.40E+03
254.36 ppb	PID	7.269	6487807	2.55E+04
Nap-PID, C12-FID				
0.07 ppb	FID	11.161	300	4.16E+03
0.77 ppb	PID	10.938	35228	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
5693.27 ppb	FID		8737932	1.53E+03
7522.90 ppb	PID		4.5E+07	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-267652	1.15E+03
988.56 ppb	PID		-2418284	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\02-23-22\027F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-01
Run Time Bar Code:
Acquired on : 23 Aug 22 04:23 PM
Report Created on: 23 Aug 22 04:39 PM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\02-23-22\027F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.254	983	205	PV	0.080	0.3526
2	0.492	1148	249	PV	0.077	0.4117
3	0.670	1588	389	PV	0.068	0.5694
4	0.751	1272	383	VV	0.055	0.4561
5	0.875	18350	1859	VV	0.143	6.5795
6	1.094	1547	279	VV	0.093	0.5547
7	1.263	796	297	VV	0.045	0.2853
8	1.404	4160	360	VV	0.193	1.4915
9	1.642	749	200	VV	0.055	0.2686
10	1.736	742	193	VV	0.058	0.2660
11	1.909	2333	178	VV	0.197	0.8364
12	2.088	640	174	VV	0.061	0.2293
13	2.174	817	172	VV	0.072	0.2930
14	2.368	2932	219	VV	0.196	1.0513
15	2.708	1340	204	VV	0.087	0.4804
16	2.837	1298	301	VV	0.073	0.4655
17	2.957	1931	163	VV	0.197	0.6922
18	3.207	1379	179	VV	0.103	0.4943
19	3.324	480	195	VV	0.041	0.1720
20	3.371	1956	296	VV	0.110	0.7014
21	3.588	1316	223	VV	0.098	0.4718
22	3.701	1016	193	VV	0.088	0.3644
23	3.865	411	166	VV	0.041	0.1475
24	3.944	1037	214	VV	0.072	0.3717
25	4.082	1299	275	VV	0.079	0.4657
26	4.215	1196	212	VV	0.089	0.4290
27	4.386	1005	250	VV	0.067	0.3603
28	4.478	546	257	VV	0.045	0.1959
29	4.576	1482	204	VV	0.121	0.5314
30	4.735	541	227	VV	0.045	0.1940
31	4.782	591	164	VV	0.060	0.2119
32	4.934	1250	207	VV	0.101	0.4483
33	5.118	1846	316	VV	0.079	0.6619
34	5.210	1176	381	VV	0.047	0.4216
35	5.260	2736	282	VV	0.162	0.9811
36	5.577	1626	161	VV	0.169	0.5831
37	5.733	749	241	VV	0.052	0.2684
38	5.822	1040	243	VV	0.074	0.3729
39	5.972	1399	162	PV	0.119	0.5016
40	6.141	1614	218	VV	0.100	0.5786
41	6.339	1929	162	VV	0.199	0.6917
42	6.545	806	195	VV	0.069	0.2889
43	6.677	1888	216	VV	0.149	0.6769
44	6.921	1862	421	VV	0.064	0.6675
45	7.011	1032	397	VV	0.043	0.3699
46	7.093	1210	219	VV	0.092	0.4338
47	7.227	1699	226	VV	0.125	0.6092

Data File Name : C:\HPCHEM\2\DATA\02-23-22\027F0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-01
Run Time Bar Code:
Acquired on : 23 Aug 22 04:23 PM
Report Created on: 23 Aug 22 04:39 PM

Page Number : 2
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	7.440	941	187	VV	0.084	0.3374
49	7.621	139552	23501	VV	0.088	50.0376
50	8.039	5017	562	VV	0.147	1.7988
51	8.202	4626	399	VV	0.165	1.6588
52	8.439	1270	320	VV	0.066	0.4553
53	8.521	1231	333	VV	0.062	0.4414
54	8.763	1146	350	VV	0.055	0.4110
55	8.850	3535	269	VV	0.219	1.2675
56	9.210	3581	433	VV	0.126	1.2841
57	9.402	1188	279	VV	0.071	0.4260
58	9.627	1460	209	VV	0.117	0.5236
59	9.750	862	181	VV	0.079	0.3092
60	9.819	977	180	VV	0.091	0.3502
61	9.933	485	225	VV	0.036	0.1740
62	9.985	1402	185	VV	0.126	0.5026
63	10.201	857	237	VV	0.058	0.3071
64	10.303	3383	137	PV	0.303	1.2129
65	10.817	2358	135	VV	0.216	0.8456
66	11.207	581	192	VV	0.047	0.2084
67	11.334	660	140	VV	0.079	0.2365
68	11.439	475	192	VV	0.041	0.1703
69	11.534	456	192	VV	0.040	0.1633
70	11.601	289	130	VV	0.037	0.1036
71	11.680	1217	183	VV	0.111	0.4364
72	11.891	991	187	VV	0.077	0.3554
73	12.025	1387	137	PV	0.168	0.4974
74	12.265	274	153	VV	0.030	0.0983
75	12.317	587	116	VV	0.084	0.2106
76	12.452	547	111	VV	0.082	0.1963
77	12.576	433	157	VV	0.046	0.1551
78	12.664	752	203	VV	0.062	0.2696
79	12.837	1078	102	VV	0.175	0.3866
80	13.027	542	193	VV	0.047	0.1943
81	13.094	742	103	VV	0.120	0.2660
82	13.241	420	176	VV	0.040	0.1506
83	13.335	551	166	VV	0.055	0.1974
84	13.429	1334	147	VV	0.152	0.4783
85	13.701	936	142	VV	0.089	0.3358
86	13.890	799	180	VV	0.072	0.2864
87	13.946	738	212	VV	0.058	0.2644
88	14.106	1107	181	VV	0.082	0.3970
89	14.279	472	244	VV	0.032	0.1691
90	14.421	1015	202	VV	0.076	0.3639
91	14.590	1004	207	VV	0.081	0.3600
92	14.751	1252	137	VV	0.153	0.4491
93	14.852	686	156	VV	0.073	0.2459
94	14.958	1507	246	VV	0.107	0.5404
95	15.148	874	194	VV	0.075	0.3133
96	15.280	577	146	VBA	0.061	0.2070

Total area = 278894

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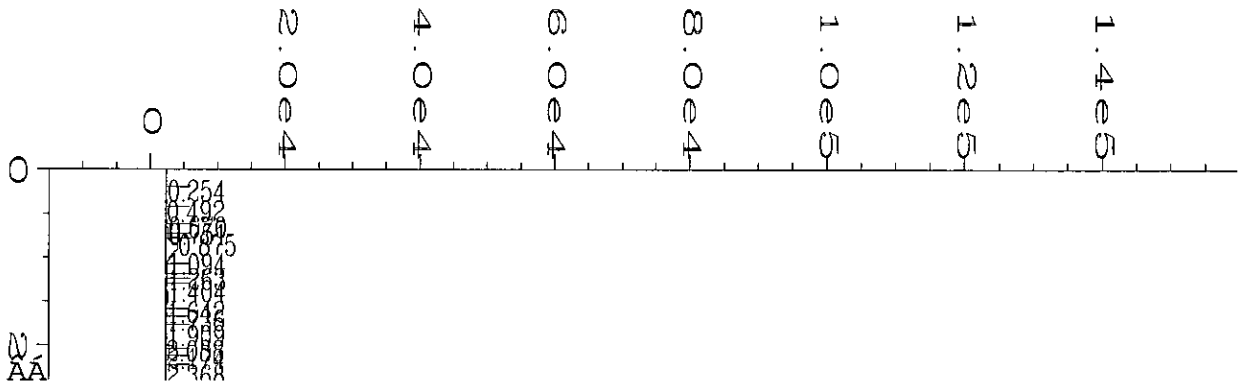

Data File Name	: C:\HPCHEM\2\DATA\02-23-22\027F0101.D		
Operator	: jeb	Page Number	: 1
Instrument	: GC2	Vial Number	: 27
Sample Name	: 208257-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 23 Aug 22 04:23 PM	Instrument Method	: GX.MTH
Report Created on	: 23 Aug 22 04:39 PM	Analysis Method	: GX.MTH

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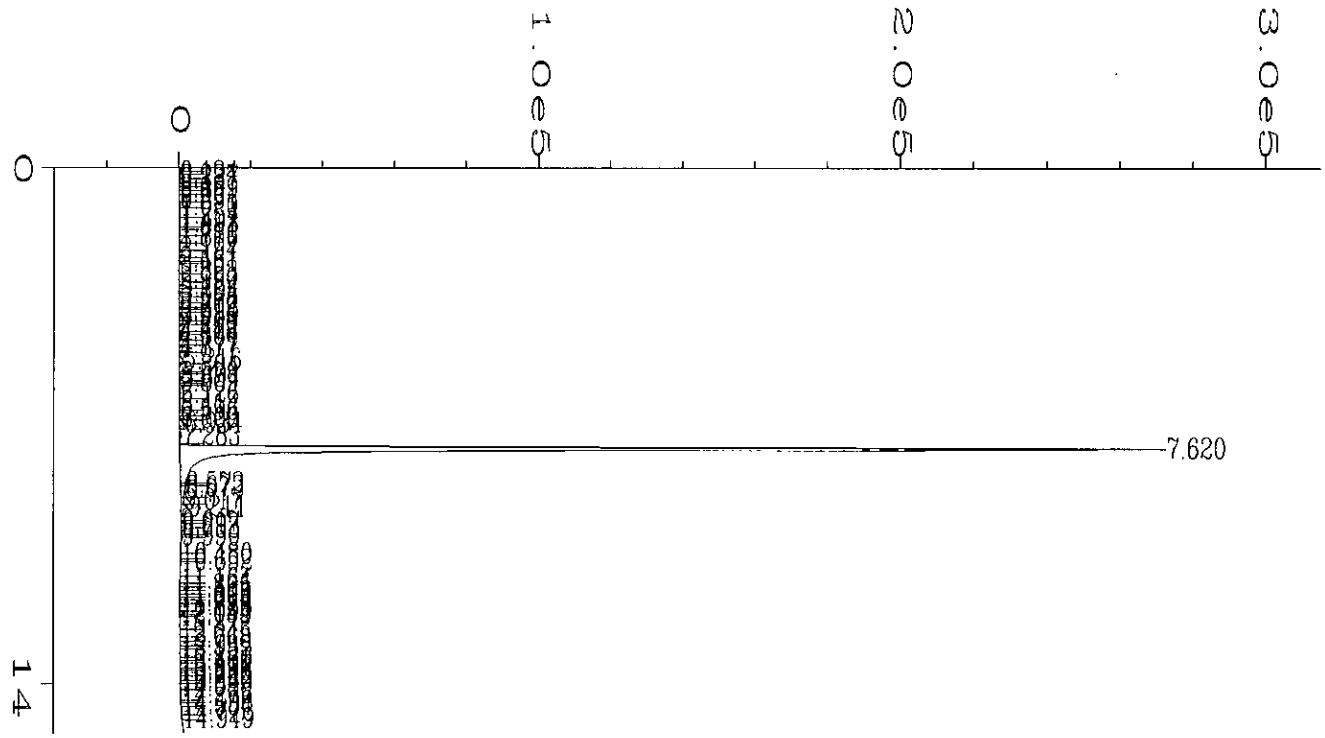

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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\02-23-22\027R0101.D
Operator : jeb
Instrument : GC2
Sample Name : 208257-01
Run Time Bar Code:
Acquired on : 23 Aug 22 04:23 PM
Report Created on: 23 Aug 22 04:39 PM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\02-23-22\027R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.134	156	82	PV	0.032	0.0083
2	0.227	511	131	VV	0.065	0.0272
3	0.321	567	116	VV	0.077	0.0302
4	0.491	488	143	PV	0.057	0.0260
5	0.559	576	165	VV	0.053	0.0306
6	0.661	234	99.8	PV	0.047	0.0124
7	0.851	1755	207	VV	0.117	0.0933
8	1.020	1342	165	VV	0.136	0.0713
9	1.254	2618	265	VV	0.127	0.1392
10	1.493	3402	305	VV	0.144	0.1808
11	1.611	670	166	VV	0.067	0.0356
12	1.786	1503	175	VV	0.133	0.0799
13	1.876	1781	177	VV	0.168	0.0947
14	2.194	1549	165	VV	0.127	0.0823
15	2.461	476	176	VV	0.045	0.0253
16	2.561	171	119	PV	0.024	0.0091
17	2.823	1961	169	VV	0.147	0.1043
18	2.990	1703	154	VV	0.149	0.0905
19	3.184	1767	247	VV	0.105	0.0939
20	3.364	2445	247	VV	0.146	0.1300

21	3.576	1051	142	VV	0.095	0.0558
22	3.702	553	117	VV	0.079	0.0294
23	3.812	376	133	VV	0.047	0.0200
24	3.894	565	140	VV	0.067	0.0300
25	3.989	2171	255	VV	0.118	0.1154
26	4.210	735	167	VV	0.074	0.0391
27	4.382	569	120	PV	0.068	0.0302
28	4.475	275	135	PV	0.034	0.0146
29	4.564	1276	194	PV	0.095	0.0678
30	4.777	856	156	VV	0.082	0.0455
31	4.877	1319	172	VV	0.128	0.0701
32	5.216	9358	1157	VV	0.113	0.4974
33	5.384	2410	426	VV	0.103	0.1281
34	5.579	353	152	VV	0.039	0.0188
35	5.694	3421	503	VV	0.090	0.1818
36	5.809	492	148	VV	0.051	0.0262
37	6.126	4248	448	PV	0.122	0.2258
38	6.414	3334	268	VV	0.180	0.1772
39	6.596	498	101	VV	0.082	0.0265
40	6.806	1877	375	VV	0.072	0.0998
41	6.934	9143	1420	VV	0.097	0.4859
42	7.283	5728	537	VV	0.145	0.3045
43	7.620	1726778	278366	PV	0.091	91.7785
44	8.573	6026	1421	VV	0.071	0.3203
45	8.672	21204	1384	VV	0.190	1.1270
46	9.017	8096	859	VV	0.157	0.4303
47	9.211	17272	2020	VV	0.117	0.9180
48	9.617	769	224	VV	0.051	0.0409
49	9.693	1409	203	VV	0.116	0.0749
50	9.783	1265	181	VV	0.116	0.0672
51	9.990	109	61	PV	0.030	0.0058
52	10.480	356	103	VV	0.058	0.0189
53	10.652	283	114	VV	0.047	0.0150
54	11.164	1091	142	VV	0.128	0.0580
55	11.335	562	163	PV	0.071	0.0299
56	11.405	676	140	VV	0.081	0.0359
57	11.518	582	150	VV	0.057	0.0310
58	11.602	490	131	VV	0.055	0.0261
59	11.664	405	154	VV	0.044	0.0215
60	11.775	599	150	VV	0.060	0.0319
61	11.888	1987	241	VV	0.115	0.1056
62	12.044	466	161	VV	0.048	0.0248
63	12.095	421	162	VV	0.043	0.0224
64	12.149	494	170	VV	0.048	0.0263
65	12.645	1466	159	VV	0.154	0.0779
66	12.768	828	148	VV	0.093	0.0440
67	12.985	534	161	VV	0.055	0.0284
68	13.127	942	122	PV	0.129	0.0501
69	13.331	397	110	VV	0.060	0.0211
70	13.400	398	144	VV	0.050	0.0211
71	13.517	950	159	VV	0.100	0.0505
72	13.606	355	134	VV	0.044	0.0189
73	13.656	382	141	VV	0.045	0.0203
74	13.748	800	174	VV	0.074	0.0425
75	13.863	1042	181	VV	0.093	0.0554
76	13.942	306	124	VV	0.041	0.0163
77	14.089	963	137	PV	0.102	0.0512
78	14.276	1758	182	VV	0.129	0.0934
79	14.498	368	116	PV	0.053	0.0196
80	14.584	531	112	VV	0.066	0.0282
81	14.772	1087	112	PV	0.157	0.0578
82	14.949	726	143	VV	0.072	0.0386

Total area = 1881462

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\02-23-22\027R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\02-23-22\027F0101.D

Operator : jeb Page Number : 1

Instrument : GC2 Vial Number : 27

Sample Name : 208257-01 Injection Number : 1

Acquired on : 23-Aug-22 4:23 PM

Report Created on: 23 Aug 22 04:39 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
101	FID	7.621	139552	1.38E+05
95	PID	7.620	1726778	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.40 ppb	FID	3.207	1931	4.82E+03
0.08 ppb	PID	3.184	1961	2.57E+04
Toluene				
0.58 ppb	FID	5.260	2736	4.71E+03
0.37 ppb	PID	5.216	9358	2.51E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	3.56E+03
0.10 ppb	PID	6.806	1877	1.91E+04
m,p-Xylenes				
0.46 ppb	FID	6.921	1862	4.03E+03
0.34 ppb	PID	6.934	9143	2.65E+04
o-Xylene				
0.39 ppb	FID	7.227	1699	4.40E+03
0.22 ppb	PID	7.283	5728	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.01 ppb	PID	10.652	283	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
36.41 ppb	FID		55883	1.53E+03
13.74 ppb	PID		82050	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-139552	1.15E+03
705.88 ppb	PID		-1726778	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-24-22\015F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208257-03 1/80
Run Time Bar Code:
Acquired on : 24 Aug 22 12:16 PM
Report Created on: 24 Aug 22 12:31 PM
Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-24-22\015F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.165	293	125	BV	0.050	0.0202
2	0.227	454	176	VV	0.043	0.0313
3	0.309	1123	169	VV	0.111	0.0775
4	0.579	861	165	VV	0.087	0.0594
5	0.668	334	159	VV	0.035	0.0231
6	0.754	529	219	PV	0.040	0.0365
7	0.951	25716	2009	VV	0.166	1.7743
8	1.169	1938	279	VV	0.116	0.1337
9	1.443	2044	457	VV	0.066	0.1410
10	1.504	961	209	VV	0.077	0.0663
11	1.640	232	91	PB	0.043	0.0160
12	2.049	685	179	BV	0.064	0.0473
13	2.332	9686	1164	PV	0.124	0.6683
14	2.578	958	139	VV	0.115	0.0661
15	2.718	1442	200	VV	0.119	0.0995
16	2.920	599	135	VV	0.074	0.0413
17	3.000	1208	147	VV	0.137	0.0833
18	3.200	873	144	VV	0.101	0.0602
19	3.352	905	211	VV	0.061	0.0625
20	3.398	587	216	VV	0.045	0.0405
21	3.478	515	201	VV	0.043	0.0355
22	3.599	672	157	VV	0.071	0.0464
23	3.841	1298	222	VV	0.079	0.0896
24	3.904	1796	291	VV	0.103	0.1239
25	4.111	1142	184	PV	0.104	0.0788
26	4.309	798	150	VV	0.089	0.0551
27	4.552	818	295	VV	0.046	0.0564
28	4.602	1136	257	VV	0.074	0.0784
29	4.737	566	148	VV	0.064	0.0391
30	4.883	536	117	PV	0.067	0.0370
31	4.984	305	100	VV	0.051	0.0211
32	5.223	242561	40512	PV	0.091	16.7359
33	5.643	4030	422	VV	0.159	0.2781
34	5.869	1029	294	VV	0.058	0.0710
35	5.916	1678	247	VV	0.113	0.1158
36	6.074	994	189	VV	0.088	0.0686
37	6.240	616	177	VV	0.059	0.0425
38	6.293	397	134	VV	0.049	0.0274
39	6.373	1304	119	VV	0.137	0.0900
40	6.599	711	180	VV	0.064	0.0491
41	6.800	100578	21828	VV	0.072	6.9396
42	6.930	461683	83384	VV	0.084	31.8546
43	7.273	236649	43935	VV	0.082	16.3280
44	7.624	173426	26322	VV	0.095	11.9658
45	8.112	10591	1554	VV	0.094	0.7307
46	8.260	15663	2366	VV	0.095	1.0807
47	8.343	12578	1752	VV	0.120	0.8678

Data File Name : C:\HPCHEM\2\DATA\08-24-22\015F0101.D
Operator : awb
Page Number : 2
Instrument : GC2
Vial Number : 15
Sample Name : 208257-03 1/80
Injection Number : 1
Run Time Bar Code:
Sequence Line : 1
Acquired on : 24 Aug 22 12:16 PM
Instrument Method: GX.MTH
Report Created on: 24 Aug 22 12:31 PM
Analysis Method : GX.MTH

48	8.585	10268	1348	VV	0.101	0.7085
49	8.685	20546	2398	VV	0.117	1.4176
50	8.857	7915	1110	VV	0.101	0.5461
51	9.031	14309	1516	VV	0.126	0.9873
52	9.212	4638	1234	VV	0.063	0.3200
53	9.306	9588	1481	VV	0.088	0.6615
54	9.387	8227	1244	VV	0.110	0.5676
55	9.492	5525	1248	VV	0.074	0.3812
56	9.652	13062	1264	VV	0.140	0.9012
57	9.915	4301	805	VV	0.084	0.2967
58	10.069	5863	691	VV	0.141	0.4045
59	10.316	4002	592	VV	0.098	0.2761
60	10.500	3859	367	VV	0.139	0.2662
61	10.760	1230	171	VV	0.120	0.0849
62	11.520	548	153	BV	0.060	0.0378
63	11.816	499	159	PV	0.052	0.0344
64	11.906	1009	150	PV	0.112	0.0696
65	12.092	976	79	PV	0.206	0.0674
66	12.399	156	91	PV	0.028	0.0108
67	12.495	548	106	VV	0.086	0.0378
68	12.866	1421	154	VV	0.154	0.0981
69	12.929	251	123	VV	0.034	0.0173
70	13.122	512	133	VV	0.064	0.0353
71	13.443	364	118	PV	0.051	0.0251
72	13.608	809	104	VV	0.115	0.0558
73	13.788	331	133	VV	0.042	0.0229
74	13.904	404	101	PV	0.057	0.0279
75	14.136	369	147	VV	0.042	0.0255
76	14.378	657	104	VV	0.114	0.0453
77	14.489	241	134	VV	0.030	0.0166
78	14.551	263	81	VV	0.054	0.0181
79	14.663	316	123	PV	0.048	0.0218
80	14.767	495	92	PV	0.090	0.0341
81	14.962	130	63	VV	0.034	0.0090
82	15.090	216	90	PV	0.040	0.0149

Total area = 1449346

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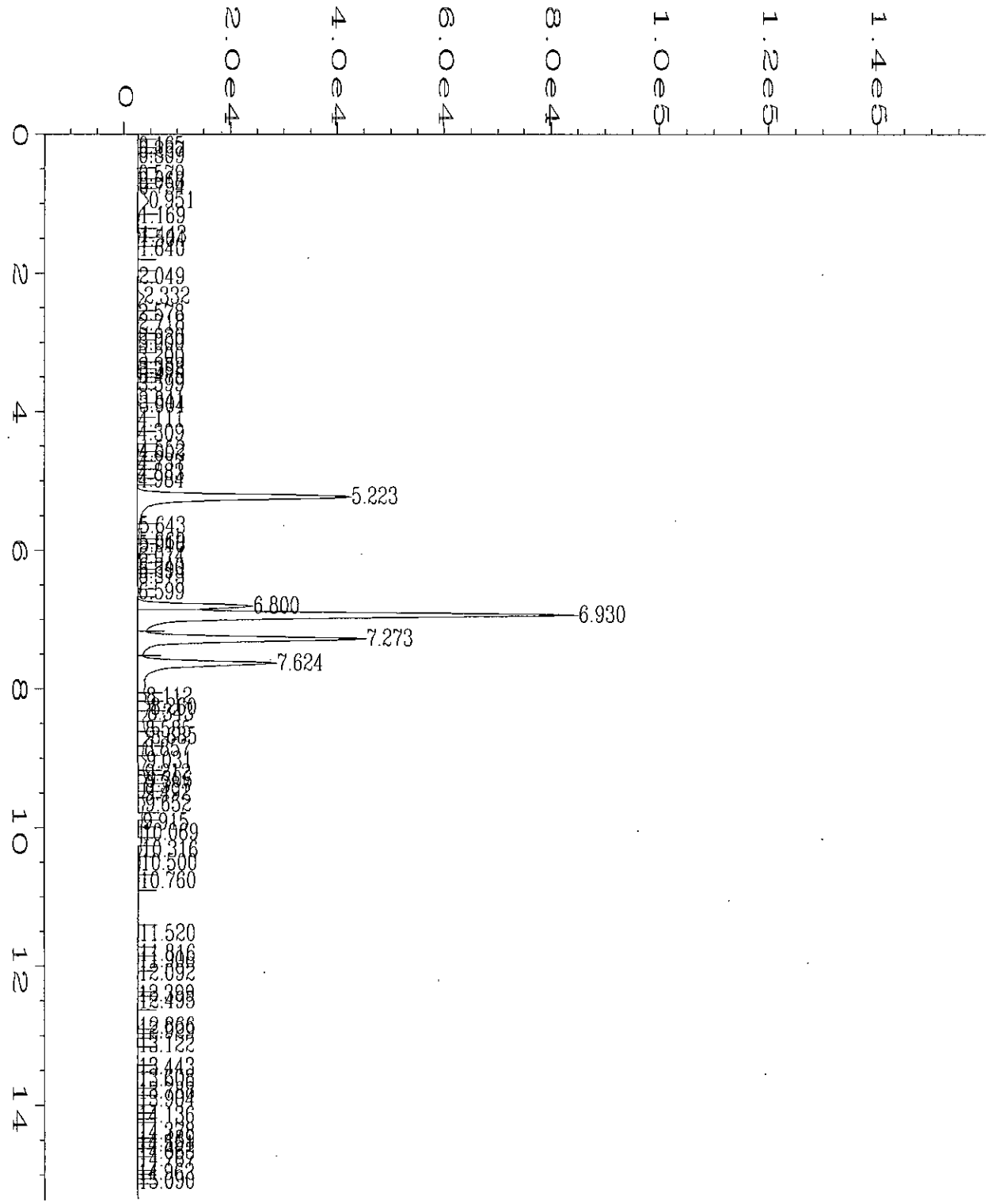
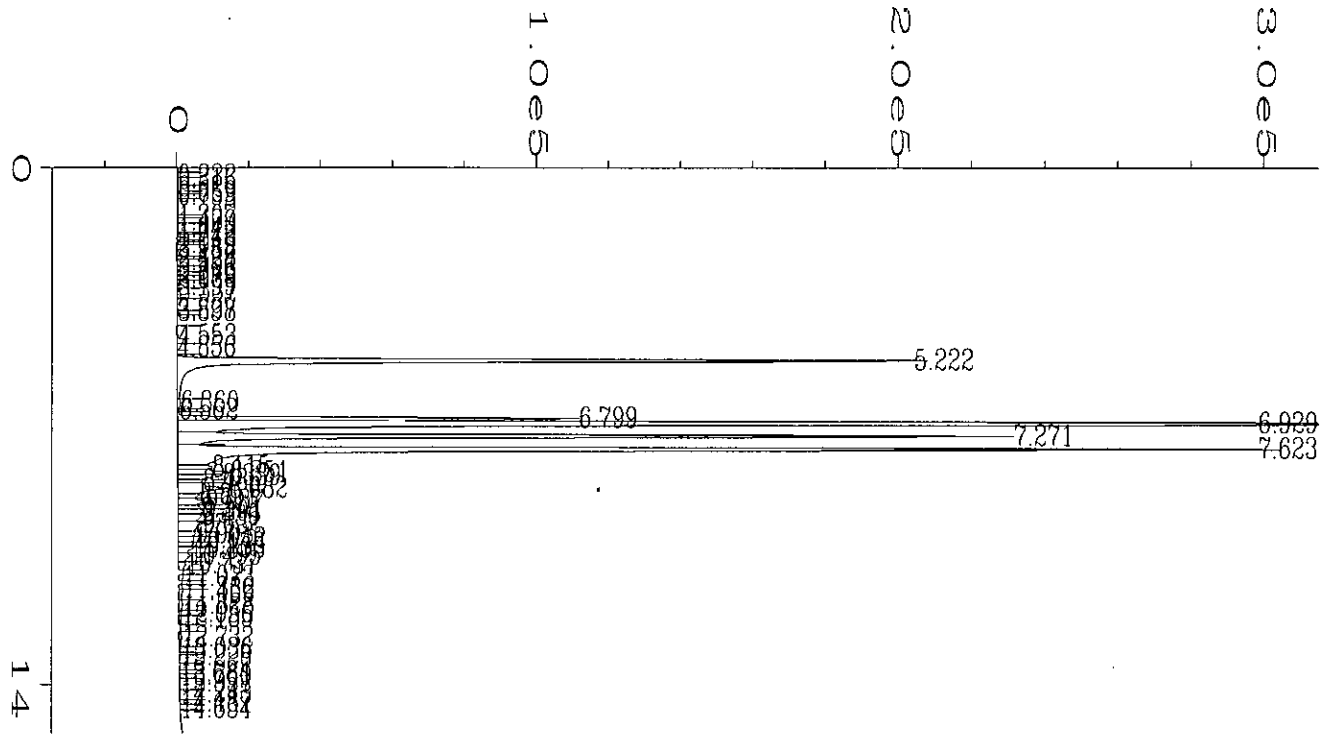


Data File Name	: C:\HPCHEM\2\DATA\08-24-22\015F0101.D		
Operator	: awb	Page Number	: 1
Instrument	: GC2	Vial Number	: 15
Sample Name	: 208257-03 1/80	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 24 Aug 22 12:16 PM	Instrument Method	: GX.MTH
Report Created on:	24 Aug 22 12:31 PM	Analysis Method	: GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-24-22\015R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208257-03 1/80
Run Time Bar Code:
Acquired on : 24 Aug 22 12:16 PM
Report Created on: 24 Aug 22 12:31 PM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-24-22\015R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.222	312	104	BV	0.051	0.0035
2	0.316	866	99	PV	0.126	0.0097
3	0.520	573	114	VV	0.087	0.0064
4	0.669	143	72	PV	0.037	0.0016
5	0.753	356	101	PB	0.061	0.0040
6	1.307	221	72	PV	0.051	0.0025
7	1.439	604	115	VV	0.088	0.0068
8	1.643	1890	179	VV	0.147	0.0211
9	1.772	370	130	VV	0.048	0.0041
10	1.842	955	137	VV	0.116	0.0107
11	2.049	339	151	VV	0.043	0.0038
12	2.188	1398	101	PV	0.175	0.0156
13	2.428	318	106	VV	0.048	0.0036
14	2.524	927	119	PV	0.105	0.0104
15	2.725	681	102	VV	0.111	0.0076
16	2.879	476	128	VV	0.062	0.0053
17	2.989	301	82	VV	0.058	0.0034
18	3.199	863	122	VV	0.101	0.0096
19	3.337	1439	152	VV	0.124	0.0161
20	3.827	815	65	VV	0.230	0.0091

21	3.898	276	76	PV	0.061	0.0031
22	4.553	3891	311	PV	0.186	0.0435
23	4.856	1070	95	PV	0.163	0.0120
24	5.222	1300123	210833	VV	0.093	14.5407
25	6.360	10425	799	VV	0.167	0.1166
26	6.562	2128	516	VV	0.069	0.0238
27	6.799	515989	112176	VV	0.071	5.7709
28	6.929	2819069	505756	VV	0.085	31.5287
29	7.271	1277197	234829	VV	0.082	14.2843
30	7.623	1928286	308112	VV	0.092	21.5661
31	8.115	69030	9480	VV	0.107	0.7720
32	8.251	95815	14557	VV	0.094	1.0716
33	8.339	86021	12477	VV	0.115	0.9621
34	8.486	29758	6822	VV	0.073	0.3328
35	8.682	160254	14282	VV	0.149	1.7923
36	8.851	37841	5881	VV	0.107	0.4232
37	9.037	66959	7595	VV	0.126	0.7489
38	9.212	37614	6237	VV	0.101	0.4207
39	9.301	55569	7027	VV	0.113	0.6215
40	9.430	63363	6384	VV	0.136	0.7087
41	9.632	93454	6865	VV	0.178	1.0452
42	9.903	34078	4687	VV	0.100	0.3811
43	10.042	37349	4371	VV	0.121	0.4177
44	10.178	29653	4097	VV	0.106	0.3316
45	10.303	34331	4162	VV	0.112	0.3840
46	10.495	35586	3098	VV	0.151	0.3980
47	10.737	21771	1931	VV	0.150	0.2435
48	11.073	10027	1129	VV	0.125	0.1121
49	11.386	6837	1063	VV	0.095	0.0765
50	11.452	14230	1054	VV	0.225	0.1591
51	11.828	15240	1064	VV	0.182	0.1704
52	12.056	4577	642	VV	0.119	0.0512
53	12.185	8066	657	VV	0.160	0.0902
54	12.732	12292	744	VV	0.207	0.1375
55	13.036	2910	366	VV	0.116	0.0325
56	13.228	2410	287	VV	0.112	0.0270
57	13.684	349	85	PV	0.068	0.0039
58	13.760	424	92	VV	0.065	0.0047
59	13.957	1457	190	VV	0.113	0.0163
60	14.243	987	116	VV	0.111	0.0110
61	14.487	314	73	PV	0.068	0.0035
62	14.654	423	90	VV	0.065	0.0047

Total area = 8941287

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-24-22\015R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-24-22\015F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 15
Sample Name : 208257-03 1/80 Injection Number : 1
Acquired on : 24-Aug-22 12:16 PM
Report Created on: 24 Aug 22 12:31 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
126	FID	7.624	173426	1.38E+05
106	PID	7.623	1928286	1.82E+06
Benzene		Actual Time	Area	AL. FACTOR
0.25 ppb	FID	3.200	1208	4.82E+03
0.03 ppb	PID	3.199	863	2.57E+04
Toluene				
51.51 ppb	FID	5.223	242561	4.71E+03
51.81 ppb	PID	5.222	1300123	2.51E+04
Ethylbenzene				
28.29 ppb	FID	6.800	100578	3.56E+03
27.00 ppb	PID	6.799	515989	1.91E+04
m,p-Xylenes				
114.44 ppb	FID	6.930	461683	4.03E+03
106.34 ppb	PID	6.929	2819069	2.65E+04
o-Xylene				
53.83 ppb	FID	7.273	236649	4.40E+03
50.07 ppb	PID	7.271	1277197	2.55E+04
Nap-PID, C12-FID				
0.00 ppb	FID	0.000	0	4.16E+03
0.48 ppb	PID	11.073	21771	4.55E+04
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end				
743.91 ppb	FID		1141738	1.53E+03
1073.37 ppb	PID		6412004	5.97E+03
AK 101 Gasoline C6-C10				
0.00 ppb	FID		-173426	1.15E+03
788.26 ppb	PID		-1928286	-2.45E+03

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\08-24-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208257-04 1/80
Run Time Bar Code:
Acquired on : 24 Aug 22 12:41 PM
Report Created on: 24 Aug 22 12:57 PM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\08-24-22\016F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.188	294	132	BV	0.037	0.0250
2	0.250	630	224	VV	0.046	0.0535
3	0.358	878	173	PV	0.071	0.0745
4	0.520	1008	175	VV	0.096	0.0856
5	0.680	958	213	VV	0.064	0.0813
6	0.932	26086	1964	VV	0.176	2.2141
7	1.242	1380	262	VV	0.088	0.1172
8	1.418	2537	418	VV	0.081	0.2154
9	1.491	2562	449	VV	0.095	0.2174
10	1.683	898	264	VV	0.059	0.0762
11	1.788	726	238	VV	0.046	0.0617
12	1.867	831	182	VV	0.069	0.0705
13	1.950	704	233	VV	0.050	0.0598
14	2.037	1024	237	VV	0.072	0.0869
15	2.161	817	219	VV	0.062	0.0694
16	2.340	11315	1166	VV	0.143	0.9604
17	2.696	1382	221	VV	0.104	0.1173
18	2.804	901	187	VV	0.080	0.0765
19	3.119	1380	221	VV	0.085	0.1171
20	3.294	2998	205	VV	0.243	0.2545
21	3.552	2128	198	VV	0.179	0.1807
22	3.909	2337	238	VV	0.163	0.1984
23	4.052	860	237	VV	0.061	0.0730
24	4.188	700	168	VV	0.069	0.0594
25	4.267	748	235	VV	0.053	0.0635
26	4.345	303	189	VV	0.027	0.0257
27	4.441	457	184	PV	0.041	0.0388
28	4.563	1963	238	VV	0.137	0.1666
29	4.749	854	249	VV	0.057	0.0725
30	4.824	443	201	VV	0.037	0.0376
31	4.972	938	226	VV	0.069	0.0796
32	5.027	647	260	VV	0.042	0.0550
33	5.225	183753	29958	VV	0.093	15.5965
34	5.692	3630	392	VV	0.155	0.3081
35	5.990	2445	323	VV	0.126	0.2075
36	6.070	1817	288	VV	0.105	0.1542
37	6.213	1192	234	VV	0.085	0.1011
38	6.322	653	272	VV	0.040	0.0555
39	6.434	1528	264	VV	0.096	0.1297
40	6.544	1716	237	VV	0.121	0.1457
41	6.801	78578	16865	VV	0.072	6.6695
42	6.931	362261	64497	VV	0.085	30.7478
43	7.273	181971	33508	VV	0.082	15.4453
44	7.624	157504	25419	VV	0.090	13.3686
45	7.947	5872	1068	VV	0.092	0.4984
46	8.122	8228	1003	VV	0.110	0.6984
47	8.250	18729	1688	VV	0.146	1.5897

Data File Name : C:\HPCHEM\2\DATA\08-24-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208257-04 1/80
Run Time Bar Code:
Acquired on : 24 Aug 22 12:41 PM
Report Created on: 24 Aug 22 12:57 PM

Page Number : 2
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	8.494	7235	841	VV	0.111	0.6141
49	8.683	17055	1564	VV	0.147	1.4476
50	9.066	8045	860	VV	0.136	0.6828
51	9.284	12466	842	VV	0.247	1.0581
52	9.497	5714	722	VV	0.132	0.4850
53	9.635	10858	622	VV	0.291	0.9216
54	9.969	5832	572	VV	0.151	0.4950
55	10.307	3693	504	VV	0.096	0.3135
56	10.710	2472	281	VV	0.120	0.2098
57	11.133	1373	309	VV	0.065	0.1165
58	11.261	3413	236	VV	0.232	0.2897
59	11.667	1865	240	VV	0.124	0.1583
60	11.800	1416	259	VV	0.091	0.1202
61	11.959	1007	219	VV	0.077	0.0855
62	12.066	513	180	VV	0.047	0.0436
63	12.127	570	188	VV	0.050	0.0484
64	12.207	888	154	VV	0.088	0.0754
65	12.311	1473	172	VV	0.143	0.1251
66	12.552	3057	151	VV	0.338	0.2595
67	13.077	650	174	VV	0.062	0.0551
68	13.160	794	163	VV	0.085	0.0674
69	13.292	1475	154	VV	0.159	0.1252
70	13.478	676	291	VV	0.056	0.0574
71	13.584	641	181	PV	0.059	0.0544
72	13.697	759	68	VV	0.153	0.0645
73	13.849	422	147	VV	0.056	0.0358
74	14.019	676	88	PB	0.128	0.0573
75	14.844	554	83	PV	0.101	0.0471
76	15.208	1006	158	VBA	0.098	0.0854

Total area = 1178168

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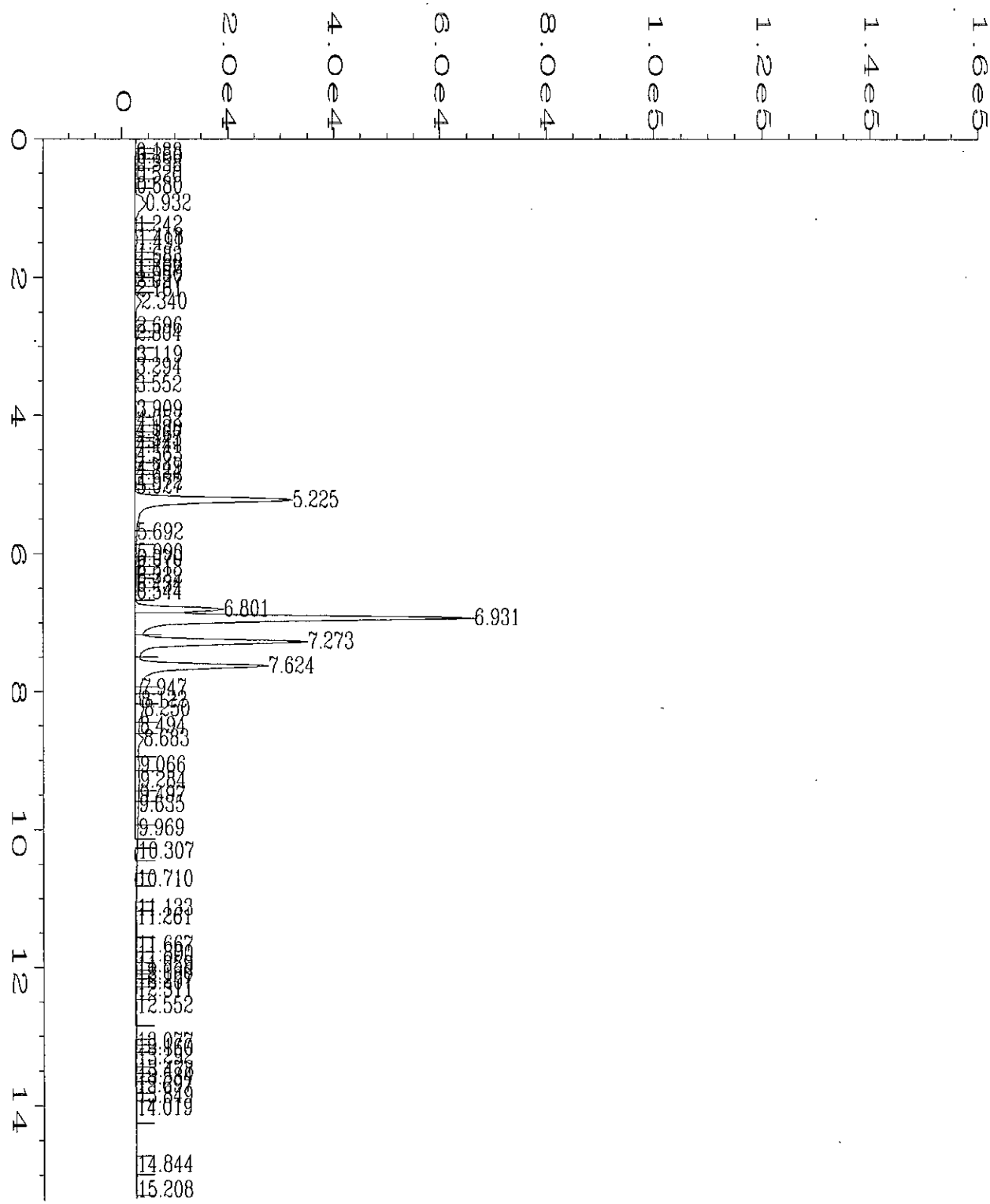
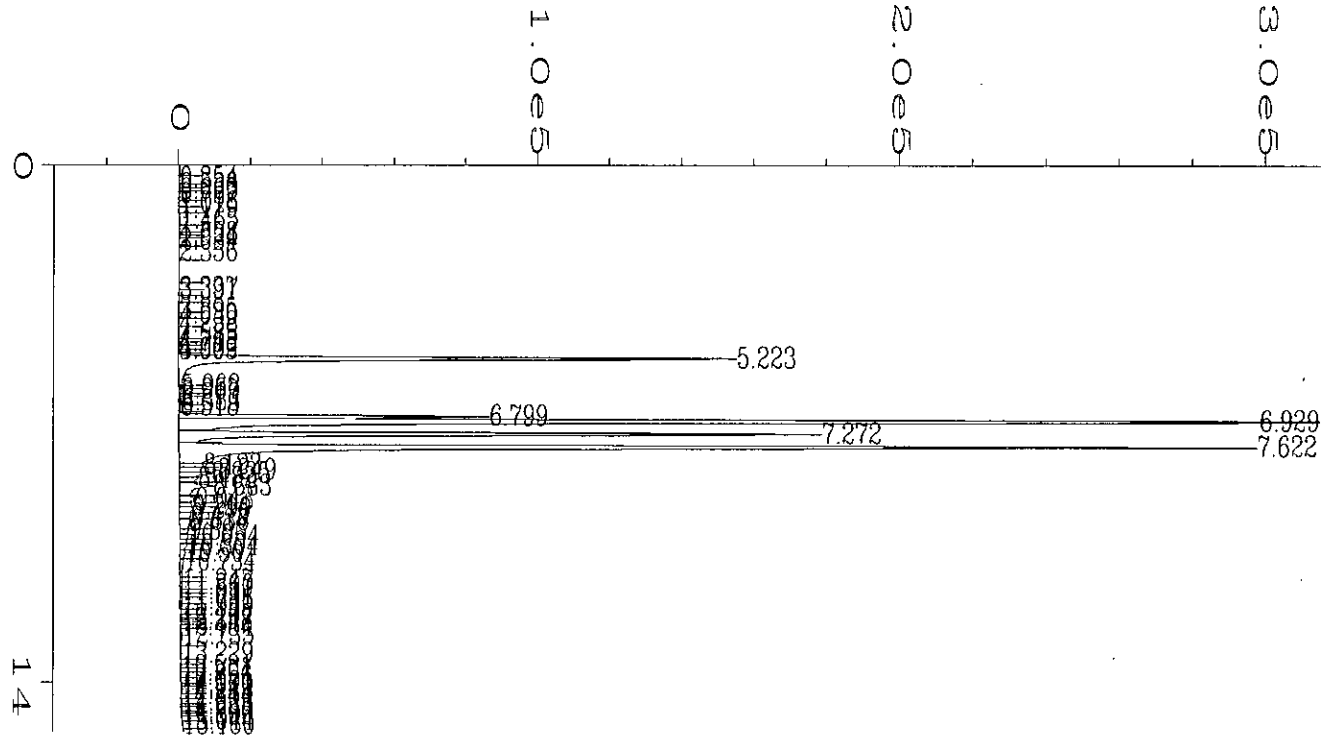


Data File Name : C:\HPCHEM\2\DATA\08-24-22\016F0101.D
Operator : awb
Instrument : GC2
Sample Name : 208257-04 1/80
Run Time Bar Code:
Acquired on : 24 Aug 22 12:41 PM
Report Created on: 24 Aug 22 12:57 PM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH



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Area Percent Report

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Data File Name : C:\HPCHEM\2\DATA\08-24-22\016R0101.D
Operator : awb
Instrument : GC2
Sample Name : 208257-04 1/80
Run Time Bar Code:
Acquired on : 24 Aug 22 12:41 PM
Report Created on: 24 Aug 22 12:57 PM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\08-24-22\016R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.354	1616	193	PV	0.140	0.0227
2	0.533	1030	177	VV	0.097	0.0144
3	0.665	681	162	VV	0.070	0.0096
4	0.787	2822	249	VV	0.162	0.0396
5	1.016	1554	209	VV	0.098	0.0218
6	1.179	1314	194	VB	0.113	0.0184
7	1.465	697	115	BB	0.126	0.0098
8	1.858	329	117	PV	0.047	0.0046
9	1.924	381	97	VV	0.065	0.0053
10	2.034	576	90	VV	0.106	0.0081
11	2.356	930	77	PB	0.177	0.0130
12	3.337	880	139	VV	0.105	0.0123
13	3.391	1142	165	VV	0.115	0.0160
14	3.895	1586	164	PV	0.133	0.0222
15	4.030	758	141	VV	0.080	0.0106
16	4.258	1150	160	VV	0.098	0.0161
17	4.585	2340	250	PV	0.133	0.0328
18	4.748	539	152	VV	0.060	0.0076
19	4.798	660	167	VV	0.066	0.0093
20	4.962	766	156	VV	0.069	0.0108

21	5.009	453	147	VV	0.051	0.0064
22	5.223	963506	156820	PV	0.093	13.5159
23	5.968	3579	820	VV	0.073	0.0502
24	6.067	4700	673	VV	0.116	0.0659
25	6.213	1719	494	VV	0.058	0.0241
26	6.383	7957	687	VV	0.151	0.1116
27	6.518	3479	394	VV	0.135	0.0488
28	6.799	399505	86989	VV	0.071	5.6042
29	6.929	2231949	396267	VV	0.085	31.3093
30	7.272	994580	181765	VV	0.083	13.9518
31	7.622	1871790	301445	VV	0.091	26.2571
32	8.123	39014	6650	VV	0.098	0.5473
33	8.249	70800	10663	VV	0.095	0.9932
34	8.335	56054	9025	VV	0.104	0.7863
35	8.482	40001	5069	VV	0.109	0.5611
36	8.683	104510	9384	VV	0.149	1.4660
37	9.043	36967	4325	VV	0.119	0.5186
38	9.214	24700	3516	VV	0.096	0.3465
39	9.299	30586	3578	VV	0.142	0.4291
40	9.479	30766	3123	VV	0.164	0.4316
41	9.636	44087	3007	VV	0.188	0.6184
42	9.893	18531	2418	VV	0.107	0.2600
43	10.054	17953	2270	VV	0.106	0.2518
44	10.304	17480	2061	VV	0.110	0.2452
45	10.501	18231	1568	VV	0.163	0.2557
46	10.734	21324	1045	VV	0.252	0.2991
47	11.247	3104	490	VV	0.088	0.0435
48	11.390	5888	566	VV	0.136	0.0826
49	11.517	3003	478	VV	0.105	0.0421
50	11.631	2480	462	VV	0.089	0.0348
51	11.786	5207	563	VV	0.120	0.0730
52	11.949	2977	429	VV	0.116	0.0418
53	12.197	2362	387	VV	0.093	0.0331
54	12.292	869	340	VV	0.043	0.0122
55	12.348	904	318	VV	0.047	0.0127
56	12.484	1548	283	VV	0.077	0.0217
57	12.735	10439	564	VV	0.227	0.1464
58	13.229	4440	299	VV	0.248	0.0623
59	13.581	457	131	VV	0.058	0.0064
60	13.704	696	144	VV	0.085	0.0098
61	13.826	1130	179	VV	0.095	0.0158
62	14.001	1349	237	PV	0.078	0.0189
63	14.070	662	184	VV	0.060	0.0093
64	14.142	620	170	VV	0.061	0.0087
65	14.213	1236	192	VV	0.109	0.0173
66	14.344	224	73	PV	0.051	0.0031
67	14.523	710	133	PV	0.074	0.0100
68	14.628	271	144	VV	0.031	0.0038
69	14.738	542	131	PV	0.069	0.0076
70	14.830	170	69	VV	0.041	0.0024
71	14.894	233	108	PV	0.043	0.0033
72	15.044	367	43	VV	0.141	0.0051
73	15.160	840	141	PV	0.103	0.0118

Total area = 7128699

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Last update on 08-18-22 TL

PID Data File Name : C:\HPCHEM\2\DATA\08-24-22\016R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\08-24-22\016F0101.D

Operator : awb Page Number : 1
Instrument : GC2 Vial Number : 16
Sample Name : 208257-04 1/80 Injection Number : 1
Acquired on : 24-Aug-22 12:41 PM
Report Created on: 24 Aug 22 12:57 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
114	FID	7.624	157504	1.38E+05
103	PID	7.622	1871790	1.82E+06

Benzene		Actual Time	Area	AL. FACTOR
0.62 ppb	FID	3.294	2998	4.82E+03
0.00 ppb	PID	0.000	0	2.57E+04
Toluene				
39.02 ppb	FID	5.225	183753	4.71E+03
38.39 ppb	PID	5.223	963506	2.51E+04
Ethylbenzene				
22.10 ppb	FID	6.801	78578	3.56E+03
20.90 ppb	PID	6.799	399505	1.91E+04
m,p-Xylenes				
89.79 ppb	FID	6.931	362261	4.03E+03
84.19 ppb	PID	6.929	2231949	2.65E+04
o-Xylene				
41.39 ppb	FID	7.273	181971	4.40E+03
38.99 ppb	PID	7.272	994580	2.55E+04
Nap-PID, C12-FID				
0.33 ppb	FID	11.133	1373	4.16E+03
0.47 ppb	PID	10.734	21324	4.55E+04

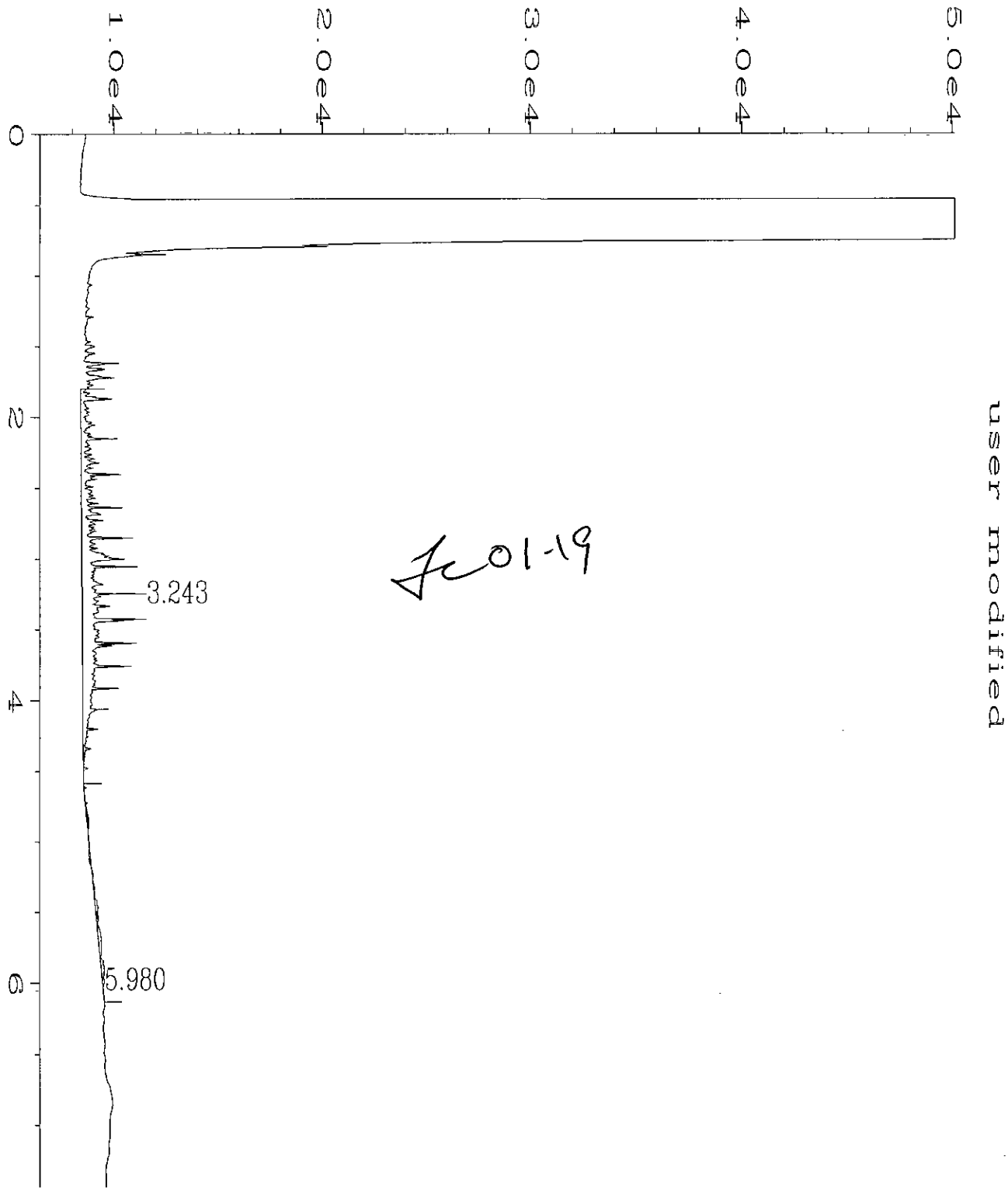
Gasoline (NWTPH-Gx) from benzene peak start to naphthalene peak end			
582.11 ppb	FID	893419	1.53E+03
825.56 ppb	PID	4931627	5.97E+03
AK 101 Gasoline C6-C10			
0.00 ppb	FID	-157504	1.15E+03
765.16 ppb	PID	-1871790	-2.45E+03

NWTPH-Dx
Initial Calibrations

GC - 1										
Seq. Date	1/19/22				ICDSL.XLS					
Sample ID	5 Dx 65	10 Dx	50 Dx	100 Dx	500 Dx	1000 Dx	5000 Dx	10000 Dx 65-27		
Conc.	5	10	50	100	500	1000	5000	10000		
Triacostane	0	0	0	0	0	0	3.97E+02	0		
Pentacosane	0	0	368	608	2645	5400	2.91E+04	71286		
Terphenyl	0	441	857	1717	7836	14232	1.56E+05	3.72E+05		
Diesel C10-24	38848	84544	441442	861247	4294601	8321280	4.66E+07	8.86E+07		
D-Ex C10-C36	46380	89929	457222	879606	4338885	8427407	4.72E+07	9.00E+07		
Motor Oil	7532	28420	15780	18359	44284	106127	6.70E+05	1.31E+06		
Heavy Oil	27208	72312	234567	447498	2175810	4245668	2.44E+07	46822845		
Jet A	38849	89346	441442	861247	4294601	8321280	4.66E+07	8.86E+07		
Stoddard	35270	64615	253178	480660	2361617	4559990	2.49E+07	4.69E+07		
Kerosene	54947	108507	471965	909799	4493143	8699531	4.86E+07	92438224		
Bunker C	38990	92206	441074	865719	4335099	8415715	4.72E+07	89833076		
R.F.									Average	$RSD
Triacostane	0	0	0	0	0	0	0	0	9.93E-03	283%
Pentacosane	0	0	7	6	5	5	6	7	4.63E+00	64%
Terphenyl	0	44	17	17	16	14	31	37	2.21E+01	65%
Diesel C10-24	7770	8454	8829	8612	8589	8321	9310	8865	8.59E+03	5%
D-Ex C10-C36	9276	8993	9144	8796	8678	8427	9444	8996	8.97E+03	4%
Motor Oil	1506	2842	316	184	89	106	134	131	6.63E+02	151%
Heavy Oil	5442	7231	4691	4475	4352	4246	4875	4682	5.00E+03	19%
Jet A	7770	8935	8829	8612	8589	8321	9310	8865	8.65E+03	5%
Stoddard	7054	6462	5064	4807	4723	4560	4979	4693	5.29E+03	18%
Kerosene	10989	10851	9439	9098	8986	8700	9720	9244	9.63E+03	9%
Bunker C	7798	9221	8821	8657	8670	8416	9432	8983	8.75E+03	6%
Analyte	5	10	50	100	500	1000	5000	10000		
Triacostane	0	0	0	0	0	0	40000	0		
Pentacosane	0	0	79	131	571	1165	6274	15383		
Terphenyl	0	20	39	78	355	644	7075	16823		
Diesel C10-24	10	2	-3	0	0	3	-8	-3		
D-Ex C10-C36	-3	0	-2	2	3	6	-5	0		
Motor Oil	-127	-328	52	72	87	84	80	80		
Heavy Oil	-9	-45	6	10	13	15	2	6		
Jet A	10	-3	-2	0	1	4	-8	-2		
Stoddard	-33	-22	4	9	11	14	6	11		
Kerosene	-14	-13	2	6	7	10	-1	4		
Bunker C	11	-5	-1	1	1	4	-8	-3		

Calculated by: JC01.19.22			Reviewed by			Initials	Date/Time 1/20/22			
	Initials	Date/Time								
Update circled values			Excel TPHD sheet Updated							
	Initials	Date/Time								

2nd SOURCE OK



1-19

Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 03:17 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 03:17 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

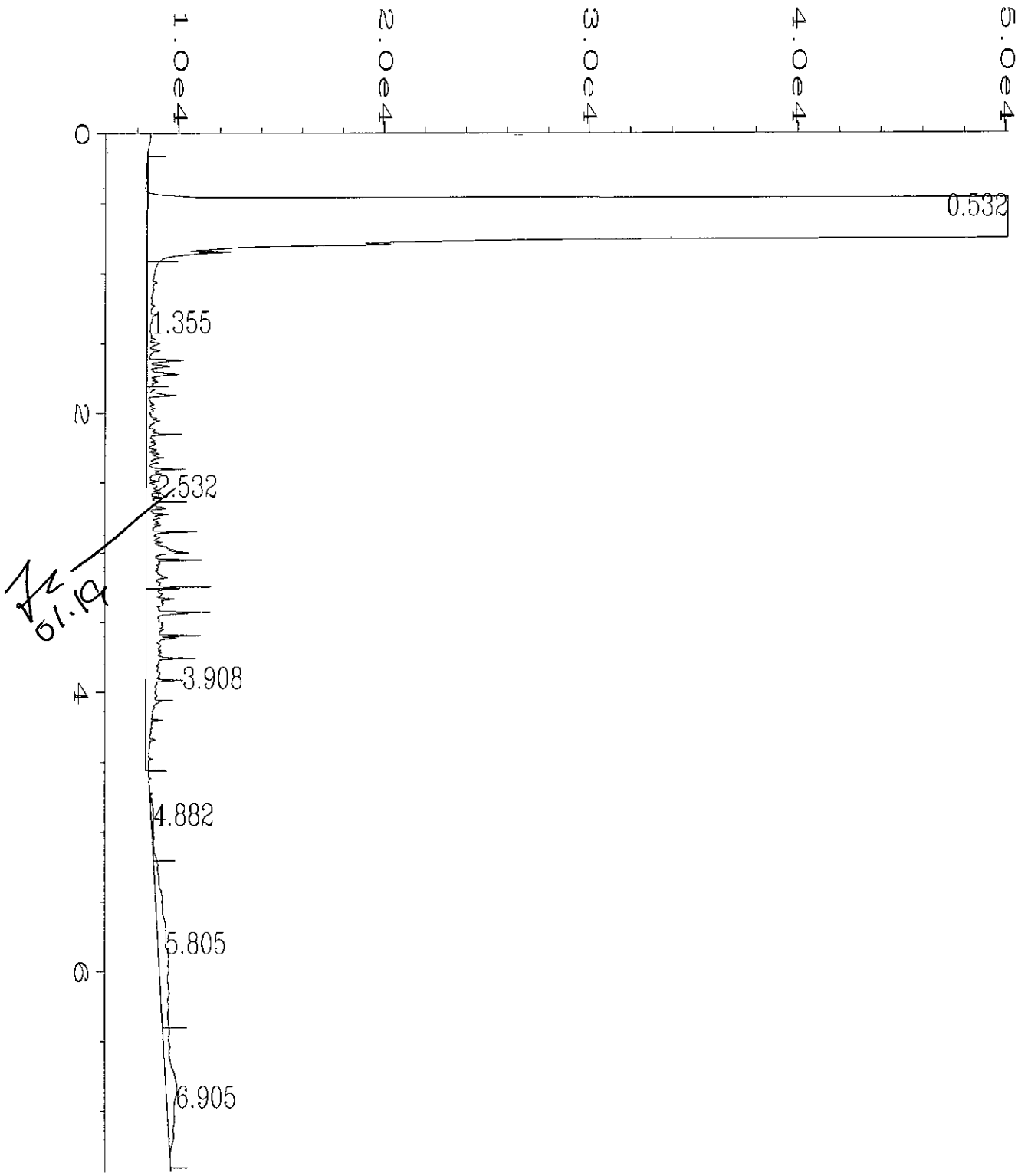
Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\007F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.243	84544	3216	MM	0.438	94.0119
2	5.980	5385	116	MM	0.771	5.9881

Total area = 89929

User Modified

jc 01-19



Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 12:54 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 12:54 PM

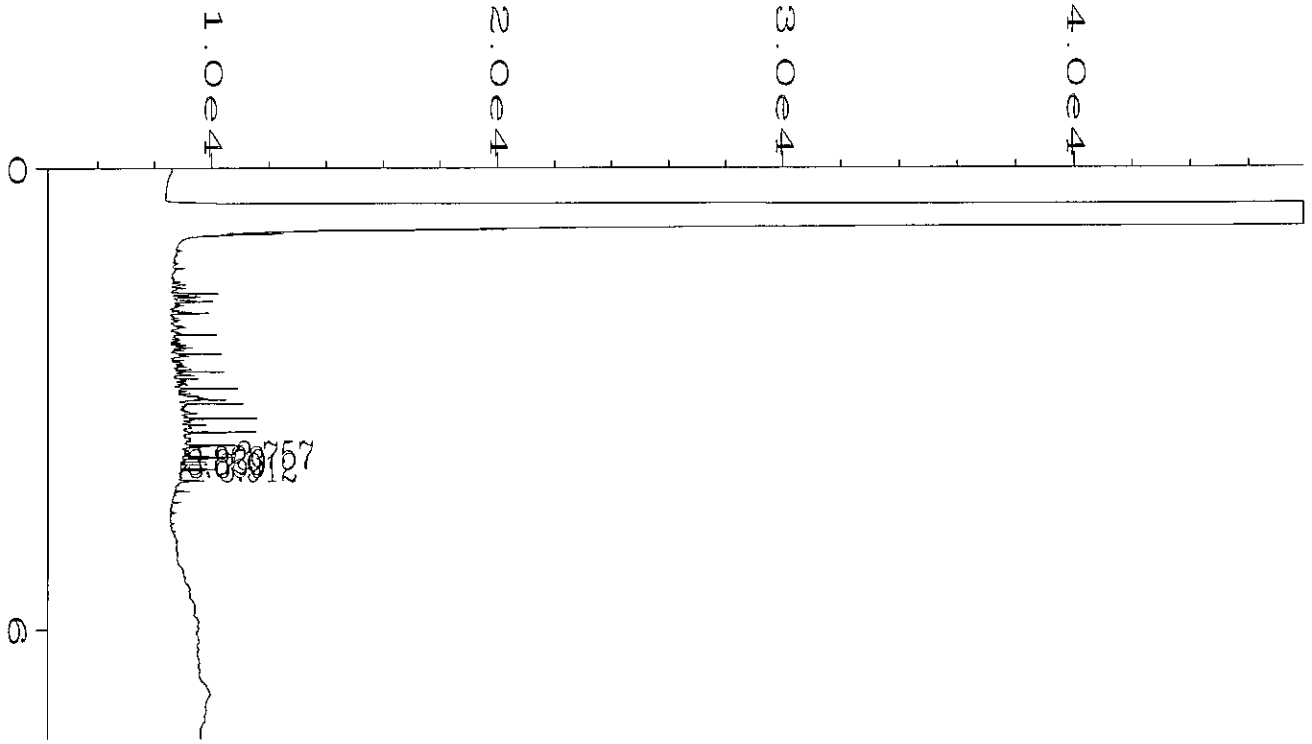
Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\007F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.17492E+009	9.89044E+007	PVA	0.198	99.9868
2	1.355	19161	1533	VVA	0.208	0.0016
3	2.532	45454	2610	VV +	0.000	0.0039
4	3.908	44333	2613	VB +	0.000	0.0038
5	4.882	2860	290	BV +	0.000	0.0002
6	5.805	25562	559	VV +	0.000	0.0022
7	6.905	17564	521	VB +	0.000	0.0015

Total area = 1.17508E+009

1-19



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\007R0601.D
Operator : TL
Instrument : GC1
Sample Name : 10 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:40 PM
Report Created on: 19 Jan 22 12:54 PM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\007R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.757	1033	1923	PV	0.012	44.3273
2	3.823	147	157	PV	0.016	6.3173
3	3.859	441	203	VV	0.030	18.9059
4	3.912	710	1450	VV	0.012	30.4495

Total area = 2331

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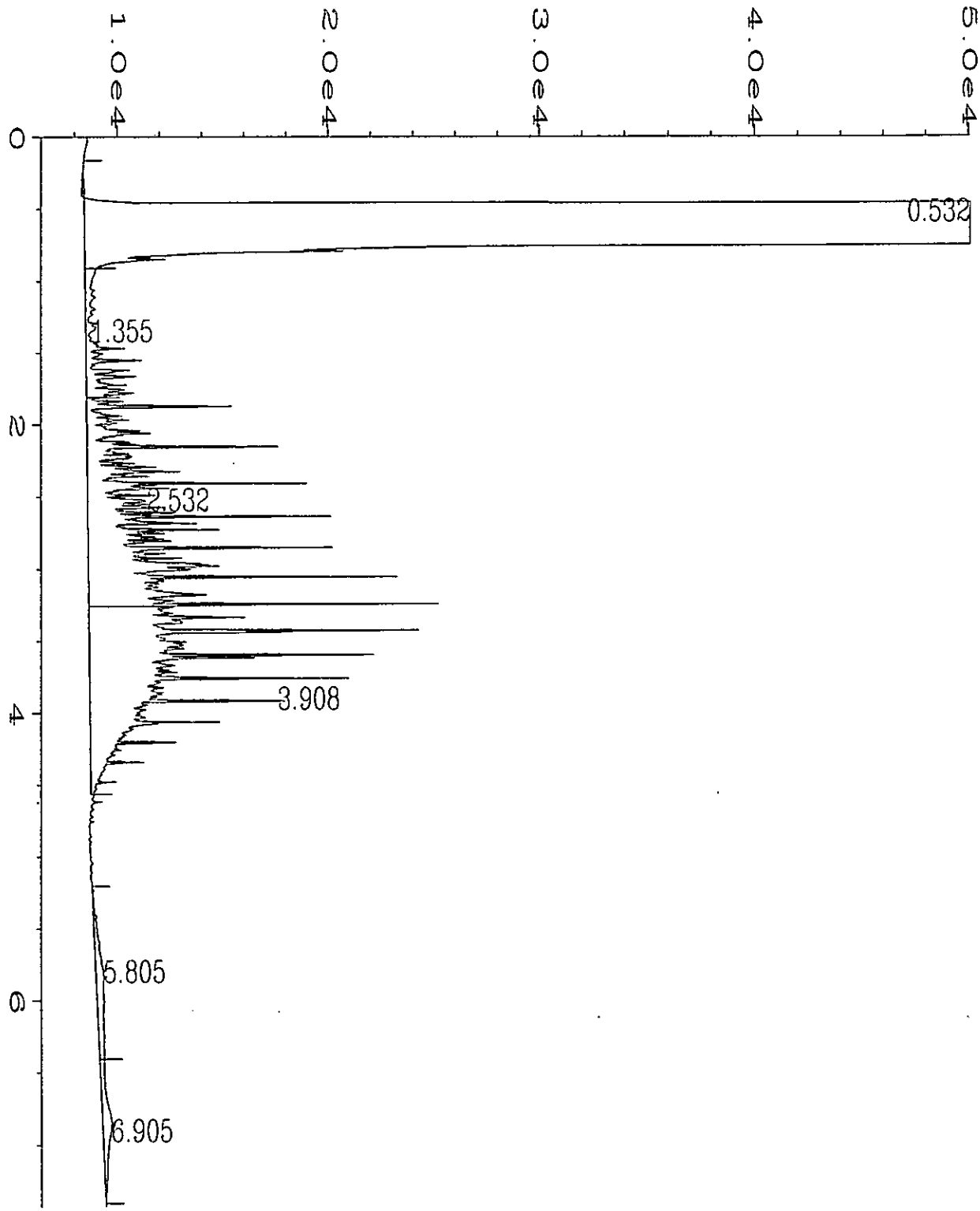
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\007F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 7			
Sample Name : 10 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	12:40		Instrume	DX.MTH		
Report Created on: 19 Jan 22 12:54 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
0	>4.6	<4.7	0	8.13E+03		12/2/21	
o-Terphenyl							
0	>3.8	<3.9	441	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25			845544				
11 12	>1.80	<4.55	8.93E+04	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36			89929				
11 15	>1.80	<6.40	117766	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
5	>4.55	<6.40	28420	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	72312	7.42E+03		12/30/21	
C12-C24							
14	>1.80	<4.50	89346	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
8	>0.90	<3.08	64615	8.53E+03		4/18/17	
Kerosene C8-C20							
11	>0.90	<4.50	108507	1.01E+04		1/9/19	
Transformer Oil							
11	>2.2	<5.20	92206	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	8						
TPHD (8-36)	9						
TPHDX (8-36)	9						
Motor Oil (8-36	12						

1/19



Data File Name : C:\HPCHEM\1\DATA\01-19-22\008F0601.D
Operator : TL
Instrument : GC1
Sample Name : 50 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:54 PM
Report Created on: 19 Jan 22 01:08 PM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

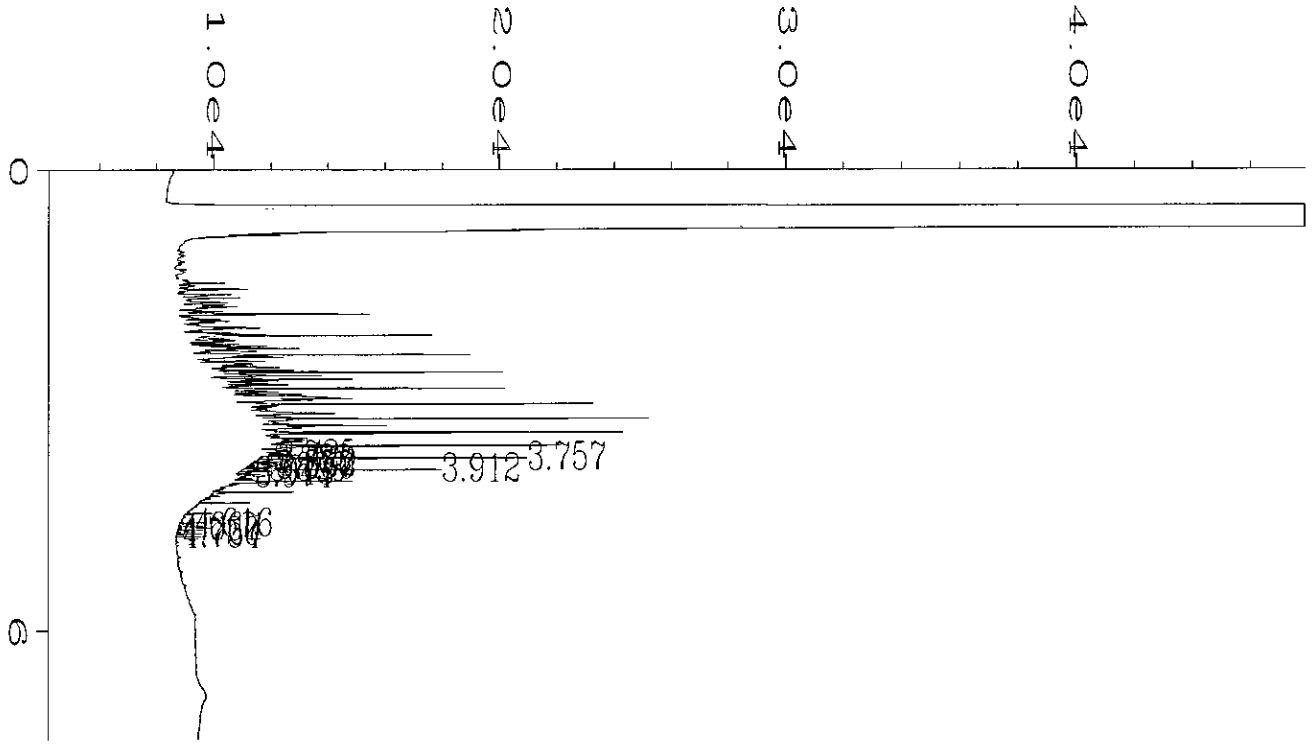
Data File Name : C:\HPCHEM\1\DATA\01-19-22\008F0601.D
Operator : TL
Instrument : GC1
Sample Name : 50 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:54 PM
Report Created on: 19 Jan 22 01:08 PM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\008F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.17974E+009	1.00754E+008	PVA	0.195	99.9575
2	1.355	30523	2389	VVA	0.213	0.0026
3	2.532	222655	12922	VV +	0.000	0.0189
4	3.908	219644	12983	VVA	0.282	0.0186
5	5.805	16149	401	PV +	0.000	0.0014
6	6.905	13087	434	VB +	0.000	0.0011

Total area = 1.18024E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\008R0601.D
Operator : TL
Instrument : GC1
Sample Name : 50 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 12:54 PM
Report Created on: 19 Jan 22 01:08 PM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\008R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.725	132	339	VV	0.006	0.8717
2	3.757	5248	9746	PV	0.012	34.7313
3	3.783	740	560	VV	0.022	4.8963
4	3.822	844	875	PV	0.016	5.5848
5	3.857	820	978	VV	0.014	5.4298
6	3.870	857	1033	VV	0.014	5.6736
7	3.889	634	862	VV	0.012	4.1971
8	3.912	3997	7617	VV	0.009	26.4514
9	3.943	645	599	VV	0.016	4.2662
10	3.974	478	608	PV	0.012	3.1661
11	4.616	368	534	PV	0.011	2.4361
12	4.667	101	146	PV	0.011	0.6705
13	4.720	105	158	PV	0.011	0.6945
14	4.754	141	215	PV	0.010	0.9304

Total area = 15109

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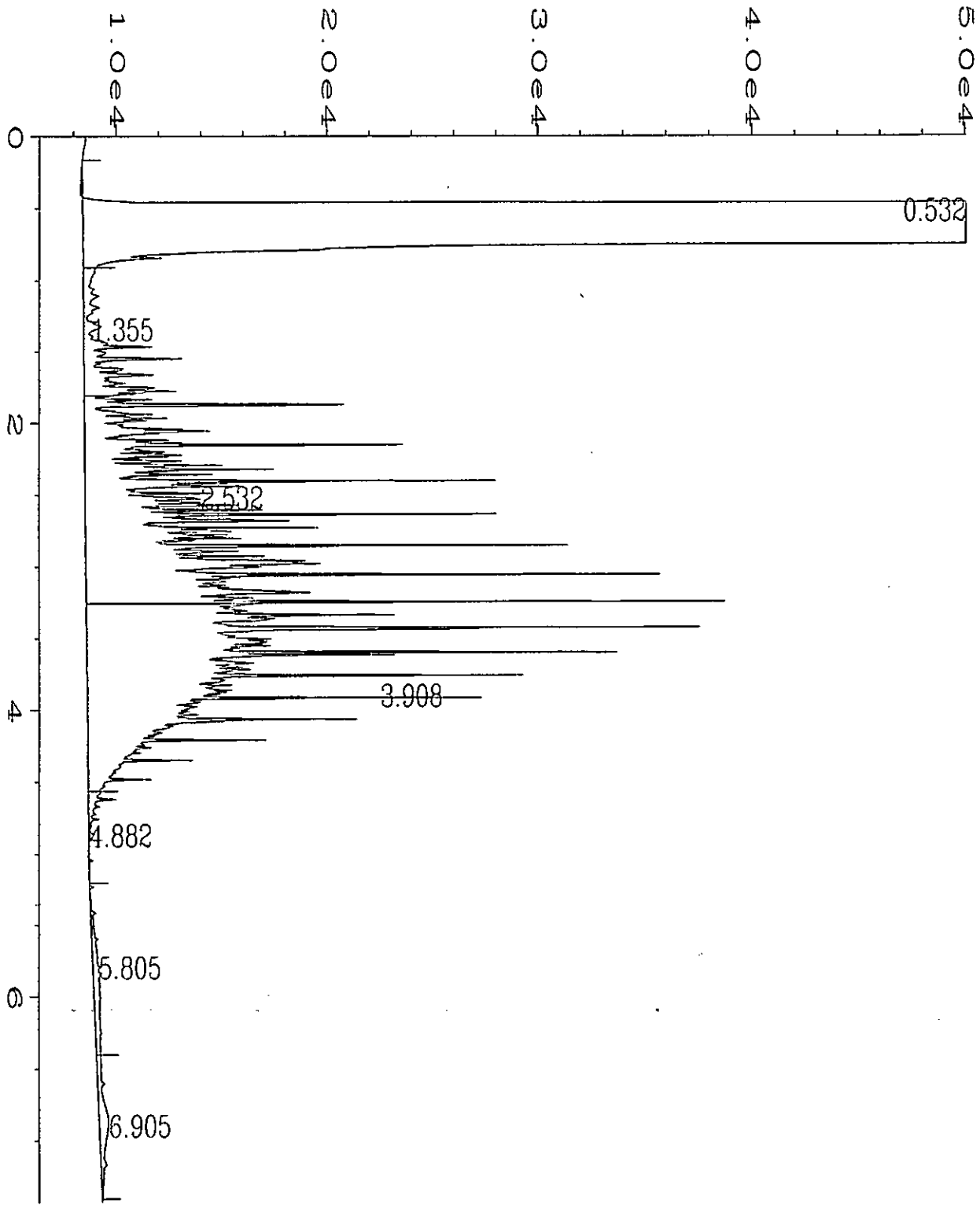
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\008F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 8			
Sample Name : 50 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	12:54		Instrume	DX.MTH		
Report Created on: 19 Jan 22 01:08 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
0	>4.6	<4.7	368	8.13E+03		12/2/21	
o-Terphenyl							
1	>3.8	<3.9	857	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
57	>1.80	<4.55	4.41E+05	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
57	>1.80	<6.40	457222	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
3	>4.55	<6.40	15780	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	234567	7.42E+03		12/30/21	
C12-C24							
69	>1.80	<4.50	441442	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
30	>0.90	<3.08	253178	8.53E+03		4/18/17	
Kerosene C8-C20							
47	>0.90	<4.50	471965	1.01E+04		1/9/19	
Transformer Oil							
50	>2.2	<5.20	441074	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	30						
TPHD (8-36)	30						
TPHDX (8-36)	29						
Motor Oil (8-36	40						



Data File Name	: C:\HPCHEM\1\DATA\01-19-22\009F0601.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 9
Sample Name	: 100 Dx 65-27	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 19 Jan 22 01:08 PM	Instrument Method	: DX.MTH
Report Created on	: 19 Jan 22 01:22 PM	Analysis Method	: DX.MTH

Area Percent Report

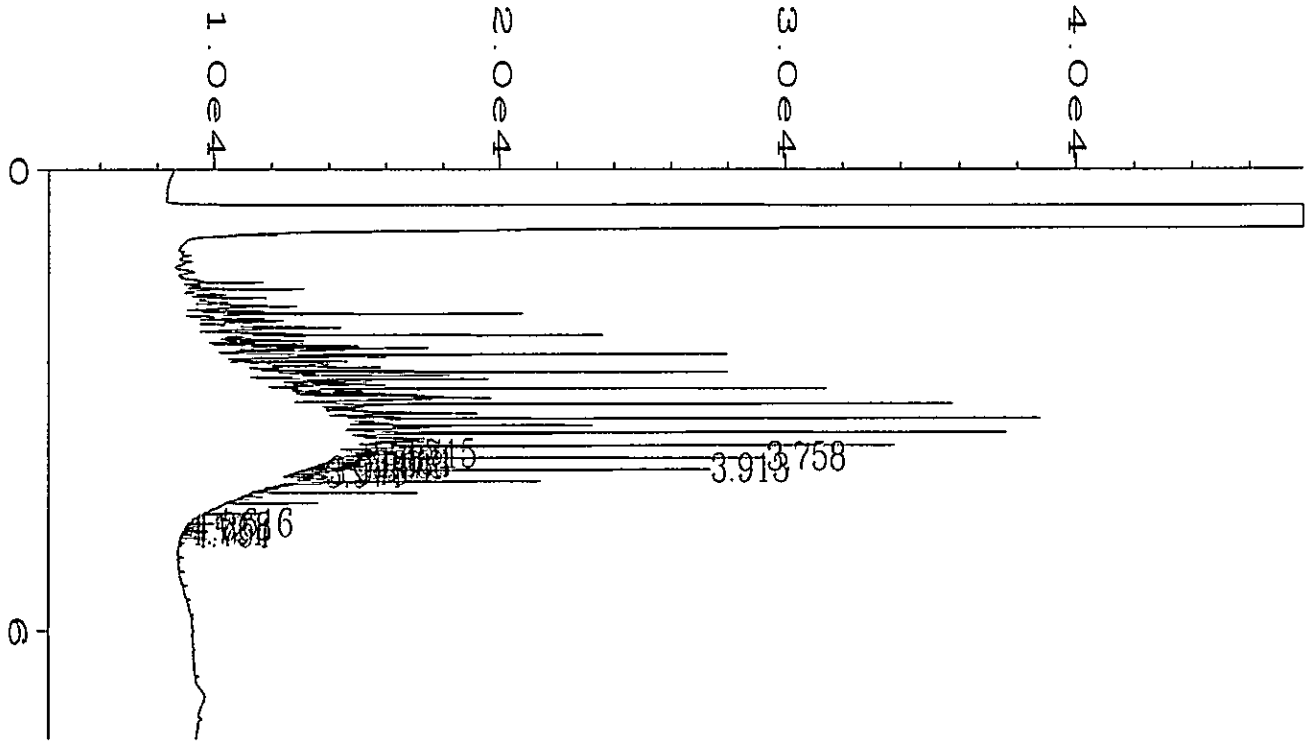
Data File Name : C:\HPCHEM\1\DATA\01-19-22\009F0601.D
Operator : TL
Instrument : GC1
Sample Name : 100 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:08 PM
Report Created on: 19 Jan 22 01:22 PM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\009F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.13866E+009	9.72446E+007	PVA	0.195	99.9172
2	1.355	48552	4290	VVA	0.189	0.0043
3	2.532	432108	23992	VV +	0.000	0.0379
4	3.908	430856	23721	VVA	0.303	0.0378
5	4.882	5080	1138	VV +	0.000	0.0004
6	5.805	13888	382	PV +	0.000	0.0012
7	6.905	13610	443	VB +	0.000	0.0012

Total area = 1.1396E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\009R0601.D
Operator : TL
Instrument : GC1
Sample Name : 100 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:08 PM
Report Created on: 19 Jan 22 01:22 PM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\009R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.715	325	1127	BV	0.007	1.1223
2	3.758	9620	16309	PV	0.010	33.1962
3	3.784	1447	1034	VV	0.023	4.9927
4	3.824	1549	1765	PV	0.015	5.3458
5	3.858	1504	2000	VV	0.012	5.1885
6	3.872	1717	1831	VV	0.014	5.9238
7	3.891	1013	1684	VV	0.010	3.4967
8	3.913	7694	14777	VV	0.009	26.5492
9	3.943	1390	1155	VV	0.018	4.7967
10	3.974	1548	1291	VBA	0.018	5.3402
11	4.616	608	976	PV	0.010	2.0995
12	4.668	211	308	PV	0.011	0.7290
13	4.721	118	199	VV	0.010	0.4058
14	4.754	236	410	PV	0.010	0.8137

Total area = 28981

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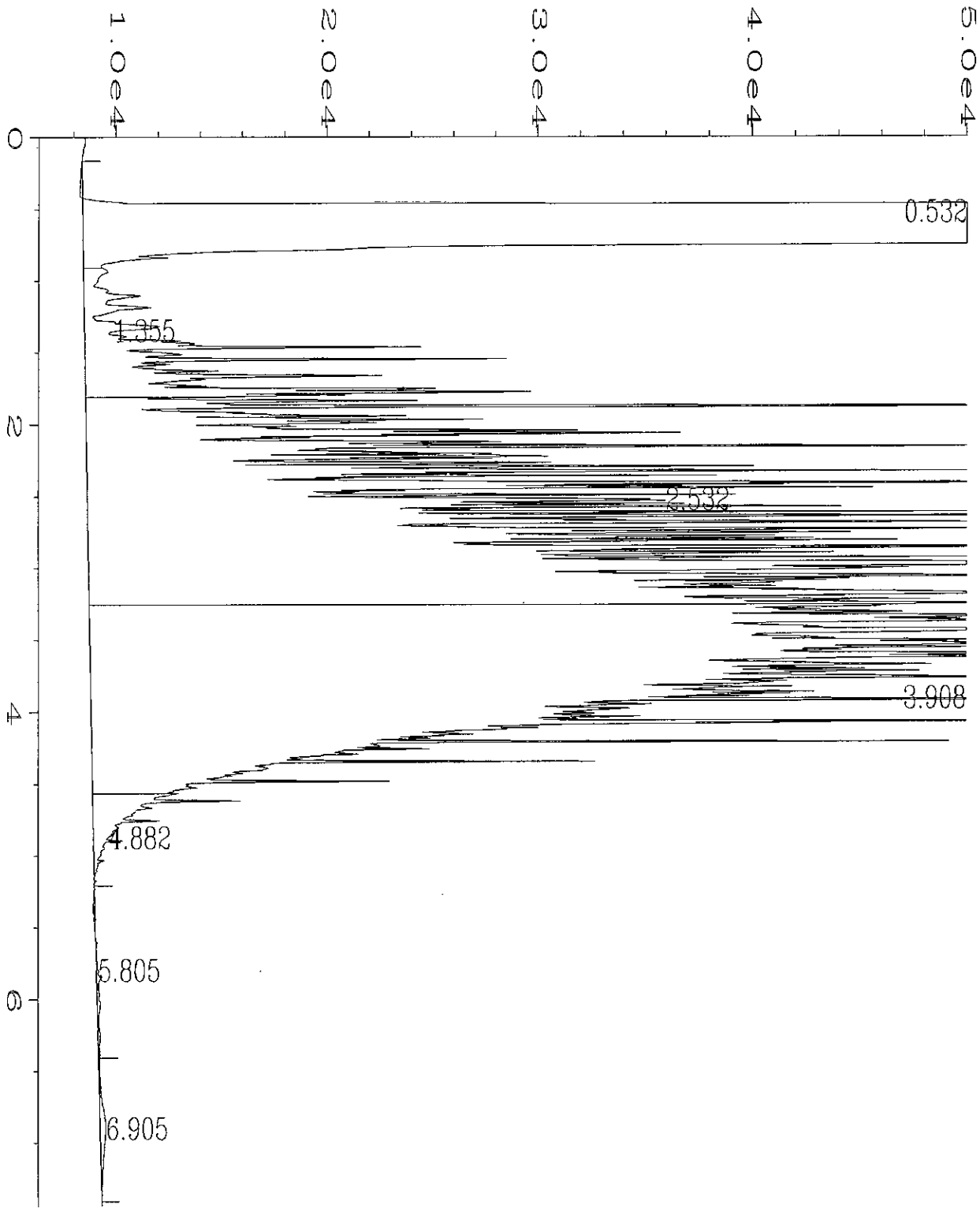
Last modified 12/30/21 TL			TPHDSL.XLS			
Data File Name : C:\HPCHEM\1\DATA\01-19-22\009F0601.D						
Operator : TL				Page Number : 1		
Instrument : GC1				Vial Number : 9		
Sample Name : 100 Dx 65-27				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 6		
Acquired on	1/19/22	13:08		Instrume	DX.MTH	
Report Created on: 19 Jan 22 01:22 PM				Analysis Method : DX.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
0	>5.3	<5.4	0	8.51E+03		12/2/21
Pentacosane						
1	>4.6	<4.7	608	8.13E+03		12/2/21
o-Terphenyl						
2	>3.8	<3.9	1717	9.12E+03		12/2/21
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
111	>1.80	<4.55	8.61E+05	7.75E+03		11/19/21
NWTPH-DX, start C10 - end C36						
110	>1.80	<6.40	879606	8.03E+03		11/19/21
Motor Oil, start C25 - end C36						
3	>4.55	<6.40	18359	5.83E+03		12/30/21
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	447498	7.42E+03		12/30/21
C12-C24						
135	>1.80	<4.50	861247	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
56	>0.90	<3.08	480660	8.53E+03		4/18/17
Kerosene C8-C20						
90	>0.90	<4.50	909799	1.01E+04		1/9/19
Transformer Oil						
99	>2.2	<5.20	865719	8.76E+03		3/24/21
Calibration Info:						
Stoddard (8-11)	56					
TPHD (8-36)	58					
TPHDX (8-36)	56					
Motor Oil (8-36	77					



Data File Name	: C:\HPCHEM\1\DATA\01-19-22\010F0601.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 10
Sample Name	: 500 Dx 65-27	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 19 Jan 22 01:22 PM	Instrument Method	: DX.MTH
Report Created on	: 19 Jan 22 01:36 PM	Analysis Method	: DX.MTH

Area Percent Report

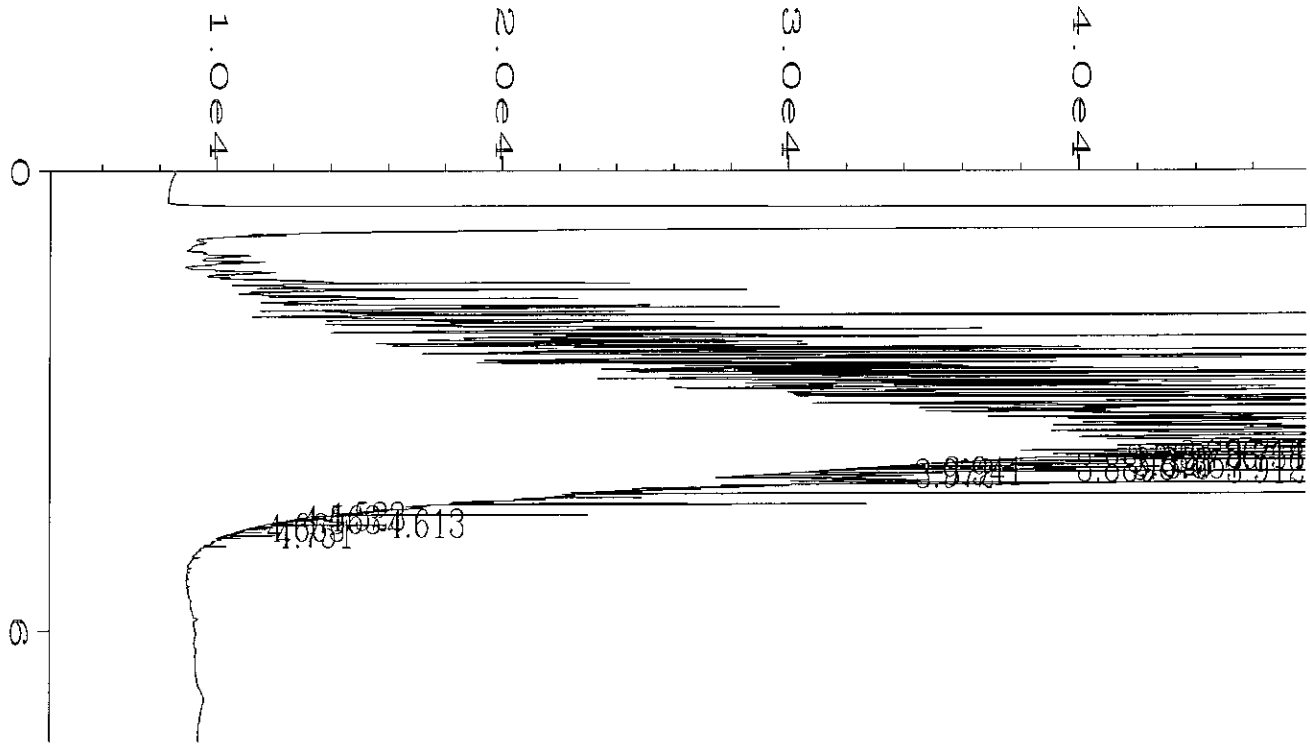
Data File Name : C:\HPCHEM\1\DATA\01-19-22\010F0601.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:22 PM
Report Created on: 19 Jan 22 01:36 PM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\010F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.08742E+009	9.61132E+007	PVA	0.189	99.5829
2	1.355	198542	19900	VVA	0.166	0.0182
3	2.532	2163075	114195	VV +	0.000	0.1981
4	3.908	2139362	105968	VVA	0.336	0.1959
5	4.882	43143	5976	VVA	0.120	0.0040
6	5.805	3787	267	PV +	0.000	0.0003
7	6.905	7107	278	VB +	0.000	0.0007

Total area = 1.09198E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\010R0601.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:22 PM
Report Created on: 19 Jan 22 01:36 PM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\010R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.714	247	5834	BV	0.001	0.1778
2	3.726	1017	3408	VV	0.005	0.7307
3	3.758	44947	79675	PV	0.009	32.3073
4	3.783	7284	5435	VV	0.022	5.2356
5	3.823	7836	7454	PV	0.016	5.6323
6	3.857	7751	9998	VV	0.013	5.5715
7	3.870	7571	9341	VV	0.014	5.4419
8	3.889	5131	8301	VV	0.010	3.6883
9	3.912	36498	66920	VV	0.012	26.2339
10	3.941	6256	5636	VV	0.016	4.4970
11	3.972	8318	5873	VBA	0.020	5.9791
12	4.523	907	916	BV	0.014	0.6521
13	4.563	662	690	PV	0.016	0.4759
14	4.613	2645	4489	PV	0.011	1.9013
15	4.663	818	736	PV	0.021	0.5882
16	4.751	1234	1896	PV	0.011	0.8870

Total area = 139124

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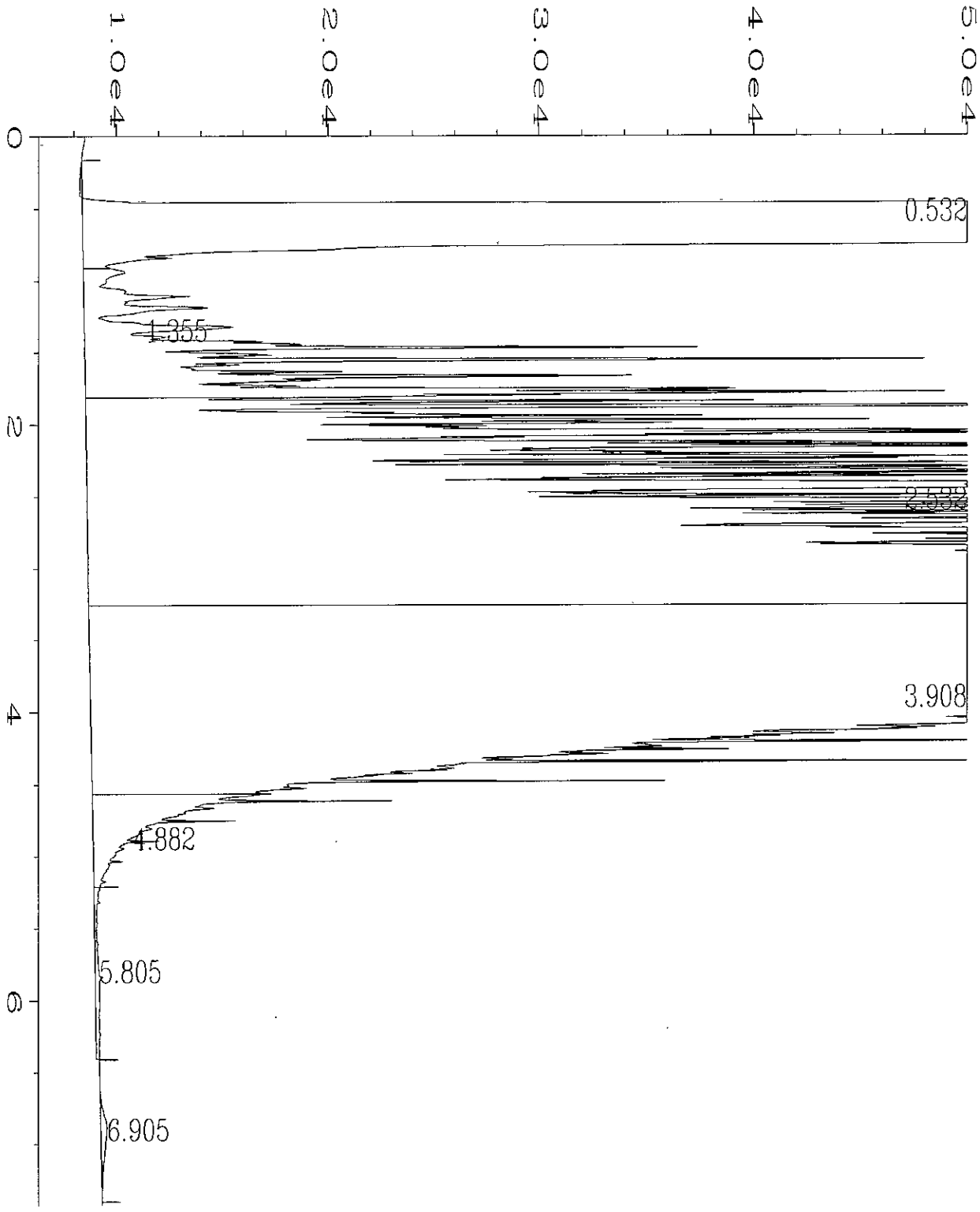
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\010F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 10			
Sample Name : 500 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	13:22		Instrume	DX.MTH		
Report Created on: 19 Jan 22 01:36 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
3	>4.6	<4.7	2645	8.13E+03		12/2/21	
o-Terphenyl							
9	>3.8	<3.9	7836	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
554	>1.80	<4.55	4.29E+06	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
540	>1.80	<6.40	4338885	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
8	>4.55	<6.40	44284	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2175810	7.42E+03		12/30/21	
C12-C24							
674	>1.80	<4.50	4294601	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
277	>0.90	<3.08	2361617	8.53E+03		4/18/17	
Kerosene C8-C20							
446	>0.90	<4.50	4493143	1.01E+04		1/9/19	
Transformer Oil							
495	>2.2	<5.20	4335099	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	277						
TPHD (8-36)	281						
TPHDX (8-36)	271						
Motor Oil (8-36	373						



Data File Name	: C:\HPCHEM\1\DATA\01-19-22\011F0601.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 11
Sample Name	: 1000 Dx 65-27	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 19 Jan 22 01:37 PM	Instrument Method	: DX.MTH
Report Created on	: 19 Jan 22 01:50 PM	Analysis Method	: DX.MTH

Area Percent Report

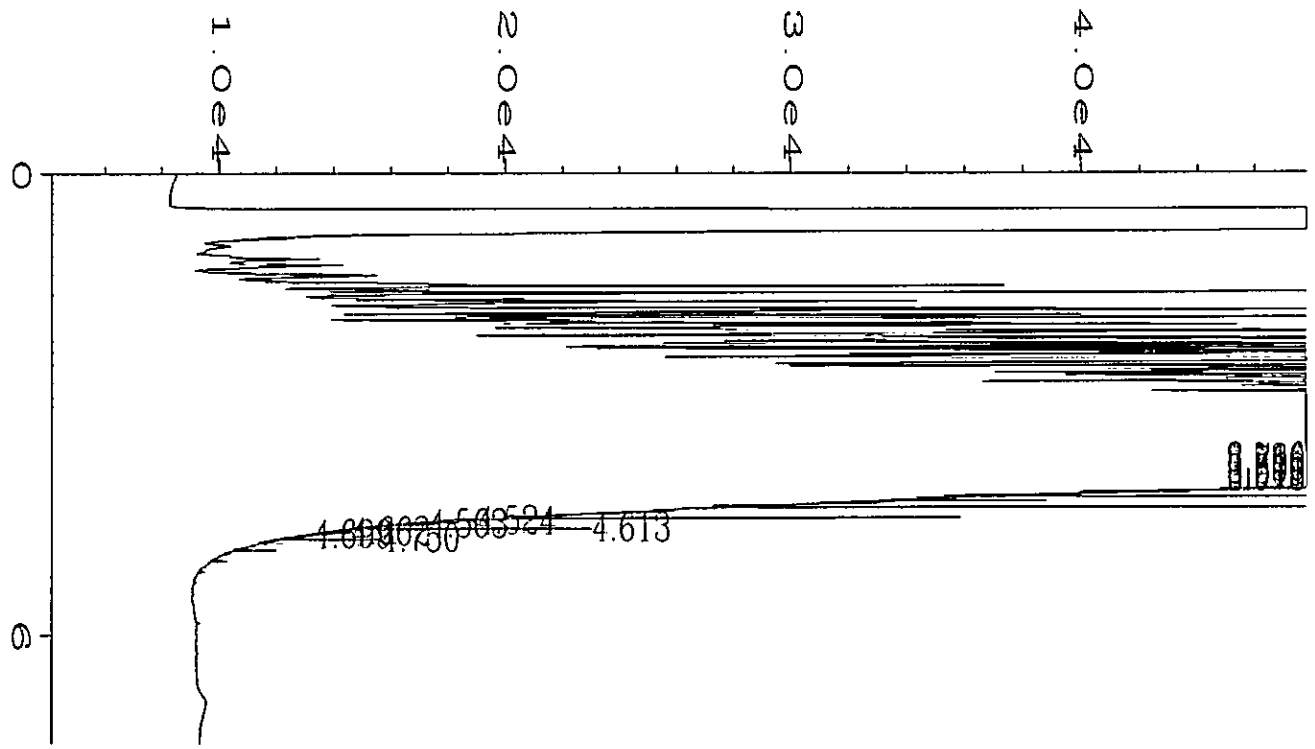
Data File Name : C:\HPCHEM\1\DATA\01-19-22\011F0601.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:37 PM
Report Created on: 19 Jan 22 01:50 PM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\011F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.10702E+009	9.57523E+007	PVA	0.193	99.2086
2	1.355	378251	39129	VVA	0.161	0.0339
3	2.532	4181739	242629	VV +	0.000	0.3748
4	3.908	4153773	237261	VVA	0.292	0.3723
5	4.882	99835	12153	VVA	0.137	0.0089
6	5.805	11693	327	VB +	0.000	0.0010
7	6.905	5606	293	BB +	0.000	0.0005

Total area = 1.11585E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\011R0601.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:37 PM
Report Created on: 19 Jan 22 01:50 PM

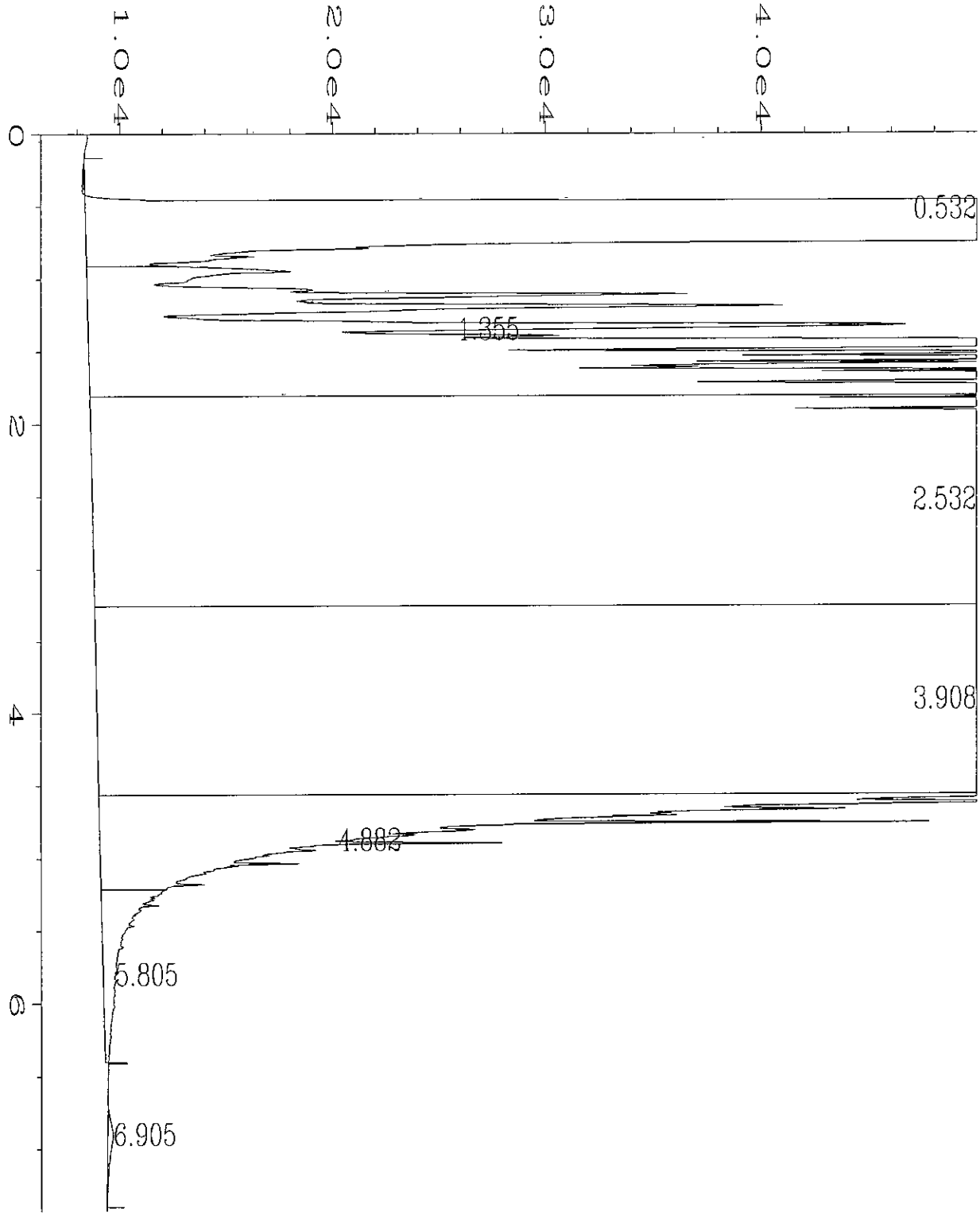
Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\011R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.716	2016	10387	BV	0.005	0.8216
2	3.730	2118	5132	PV	0.007	0.8631
3	3.760	86199	166374	PV	0.010	35.1317
4	3.785	13914	9796	VV	0.024	5.6707
5	3.825	13519	14863	PV	0.015	5.5097
6	3.859	14232	17116	VV	0.014	5.8006
7	3.872	12582	16491	VV	0.013	5.1281
8	3.891	8826	12179	VV	0.012	3.5970
9	3.915	64719	123112	VV	0.009	26.3772
10	3.943	7866	10373	PV	0.015	3.2058
11	3.973	6542	8405	PV	0.013	2.6662
12	4.524	1868	1806	BV	0.017	0.7613
13	4.563	1662	1433	VV	0.016	0.6772
14	4.613	5400	8881	PV	0.012	2.2008
15	4.662	1085	1197	PV	0.014	0.4422
16	4.699	630	488	VV	0.022	0.2570
17	4.750	2184	3830	PV	0.010	0.8899

Total area = 245359

Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\011F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 11			
Sample Name : 1000 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	13:37		Instrume	DX.MTH		
Report Created on: 19 Jan 22 01:50 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
7	>4.6	<4.7	5400	8.13E+03		12/2/21	
o-Terphenyl							
16	>3.8	<3.9	14232	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1074	>1.80	<4.55	8.32E+06	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
1049	>1.80	<6.40	8427407	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
18	>4.55	<6.40	106127	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	4245668	7.42E+03		12/30/21	
C12-C24							
1306	>1.80	<4.50	8321280	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
535	>0.90	<3.08	4559990	8.53E+03		4/18/17	
Kerosene C8-C20							
864	>0.90	<4.50	8699531	1.01E+04		1/9/19	
Transformer Oil							
960	>2.2	<5.20	8415715	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	535						
TPHD (8-36)	548						
TPHDX (8-36)	529						
Motor Oil (8-36	728						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\012F0601.D
Operator : TL
Instrument : GC1
Sample Name : 5000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:51 PM
Report Created on: 19 Jan 22 02:05 PM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

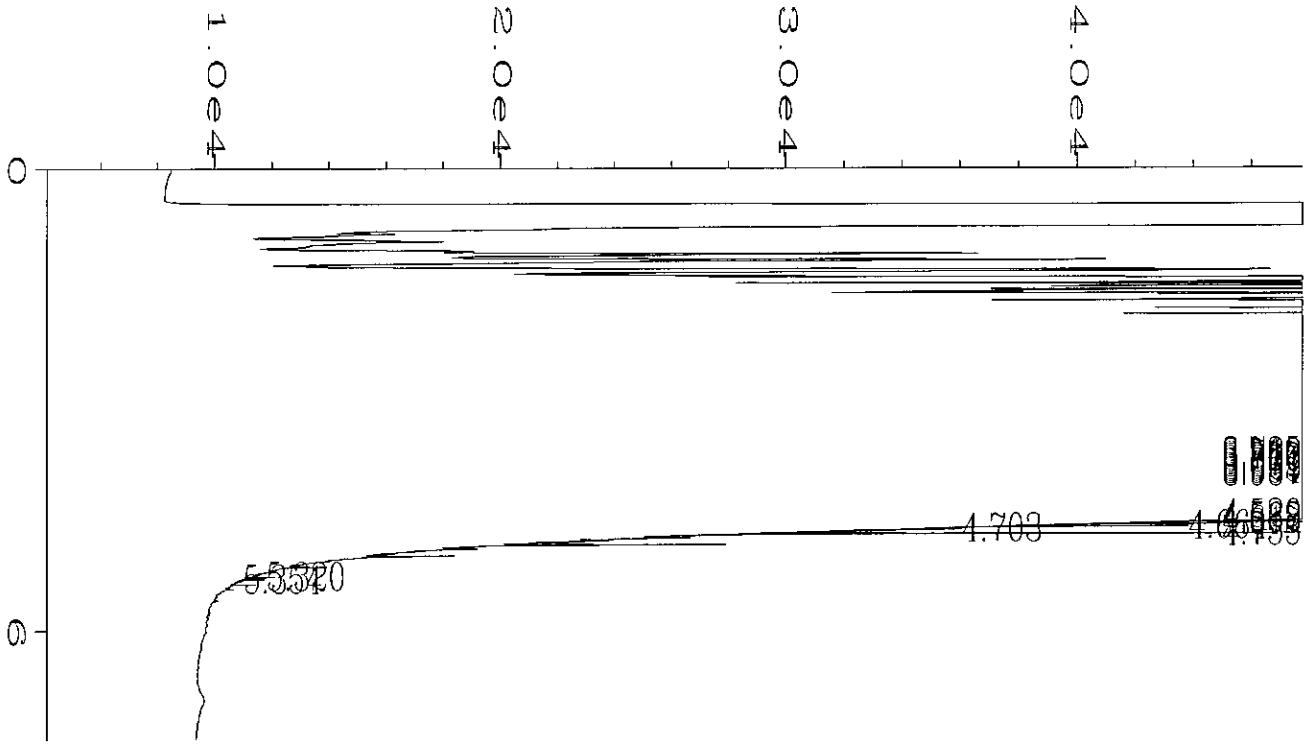
Data File Name : C:\HPCHEM\1\DATA\01-19-22\012F0601.D
Operator : TL
Instrument : GC1
Sample Name : 5000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:51 PM
Report Created on: 19 Jan 22 02:05 PM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\012F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15677E+009	9.89231E+007	PVA	0.195	95.8996
2	1.355	2051256	221358	VVA	0.154	0.1701
3	2.532	2.28426E+007	921453	VV +	0.000	1.8937
4	3.908	2.38637E+007	1084679	VVA	0.367	1.9784
5	4.882	638910	70995	VVA	0.150	0.0530
6	5.805	60104	3014	VB +	0.000	0.0050
7	6.905	4102	251	BBA+	0.000	0.0003

Total area = 1.20623E+009



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Area Percent Report

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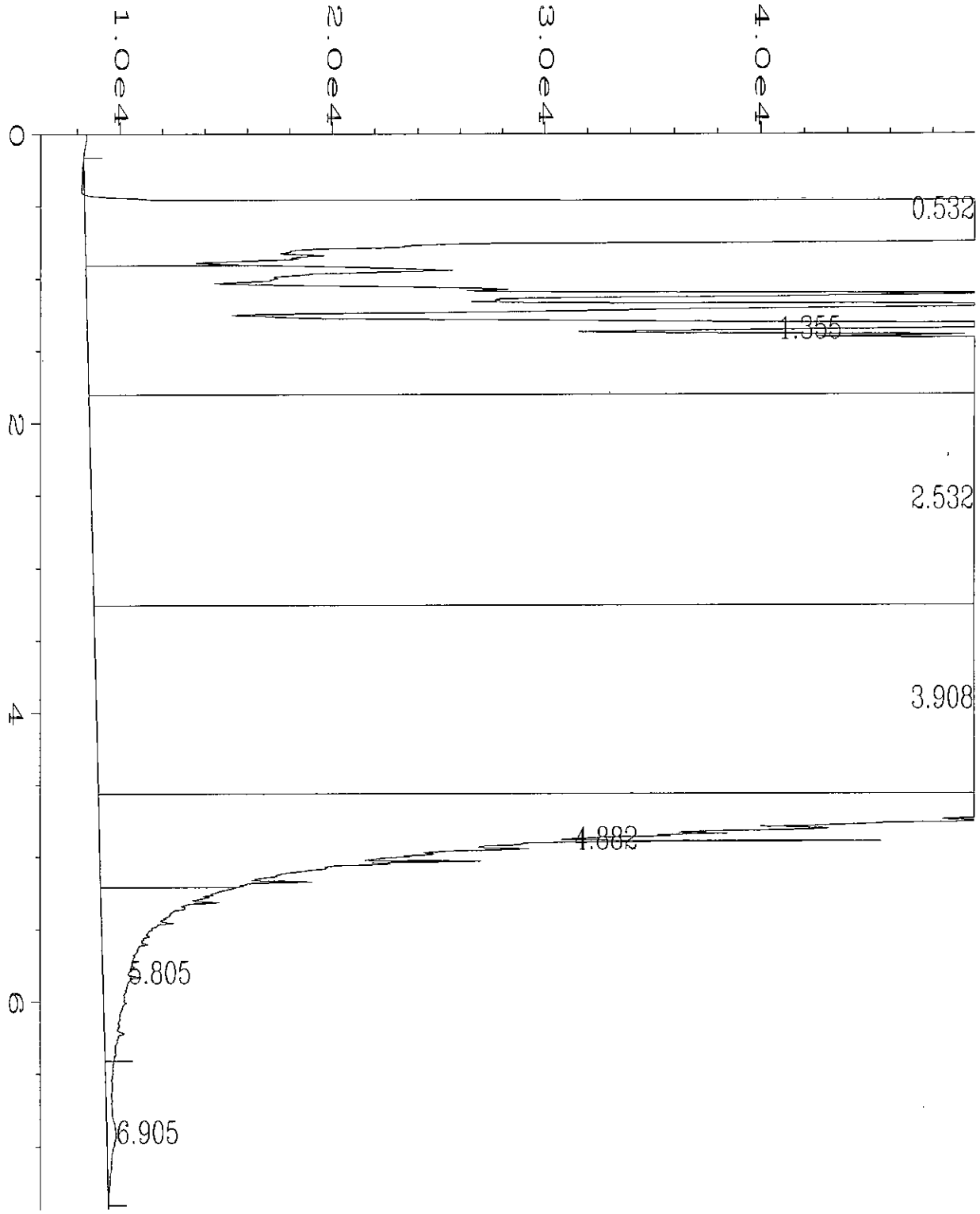
Data File Name : C:\HPCHEM\1\DATA\01-19-22\012R0601.D
Operator : TL
Instrument : GC1
Sample Name : 5000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 01:51 PM
Report Created on: 19 Jan 22 02:05 PM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\012R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.715	27183	58745	BV	0.008	1.9163
2	3.730	50392	94885	VV	0.010	3.5525
3	3.742	22055	41349	VV	0.009	1.5548
4	3.777	475822	749975	VV	0.010	33.5440
5	3.800	77091	54107	VV	0.024	5.4347
6	3.837	58083	75439	PV	0.012	4.0947
7	3.871	156297	87080	VV	0.025	11.0185
8	3.902	50160	73340	VV	0.011	3.5361
9	3.929	355358	636364	VV	0.009	25.0517
10	3.954	42430	52325	VV	0.014	2.9912
11	3.987	37425	47043	VBA	0.012	2.6384
12	4.529	8624	10424	BV	0.016	0.6080
13	4.568	5417	7485	VV	0.011	0.3819
14	4.582	2608	5066	VV	0.009	0.1839
15	4.617	29074	46554	PV	0.010	2.0496
16	4.664	5183	6980	PV	0.012	0.3654
17	4.703	2910	2836	PV	0.017	0.2051
18	4.755	11890	20648	PV	0.010	0.8382
19	5.320	397	747	BV	0.009	0.0280
20	5.354	102	174	PBA	0.010	0.0072

Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\012F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 12			
Sample Name : 5000 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	13:51		Instrume	DX.MTH		
Report Created on: 19 Jan 22 02:05 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	397	8.51E+03		12/2/21	
Pentacosane							
36	>4.6	<4.7	29074	8.13E+03		12/2/21	
o-Terphenyl							
171	>3.8	<3.9	156297	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
6009	>1.80	<4.55	4.66E+07	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
5879	>1.80	<6.40	47219546	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
115	>4.55	<6.40	669543	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	24376946	7.42E+03		12/30/21	
C12-C24							
7304	>1.80	<4.50	46550003	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
2918	>0.90	<3.08	24893856	8.53E+03		4/18/17	
Kerosene C8-C20							
4828	>0.90	<4.50	48601259	1.01E+04		1/9/19	
Transformer Oil							
5381	>2.2	<5.20	47159839	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	2918						
TPHD (8-36)	3147						
TPHDX (8-36)	3035						
Motor Oil (8-36	4180						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\013F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:05 PM
Report Created on: 19 Jan 22 02:19 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

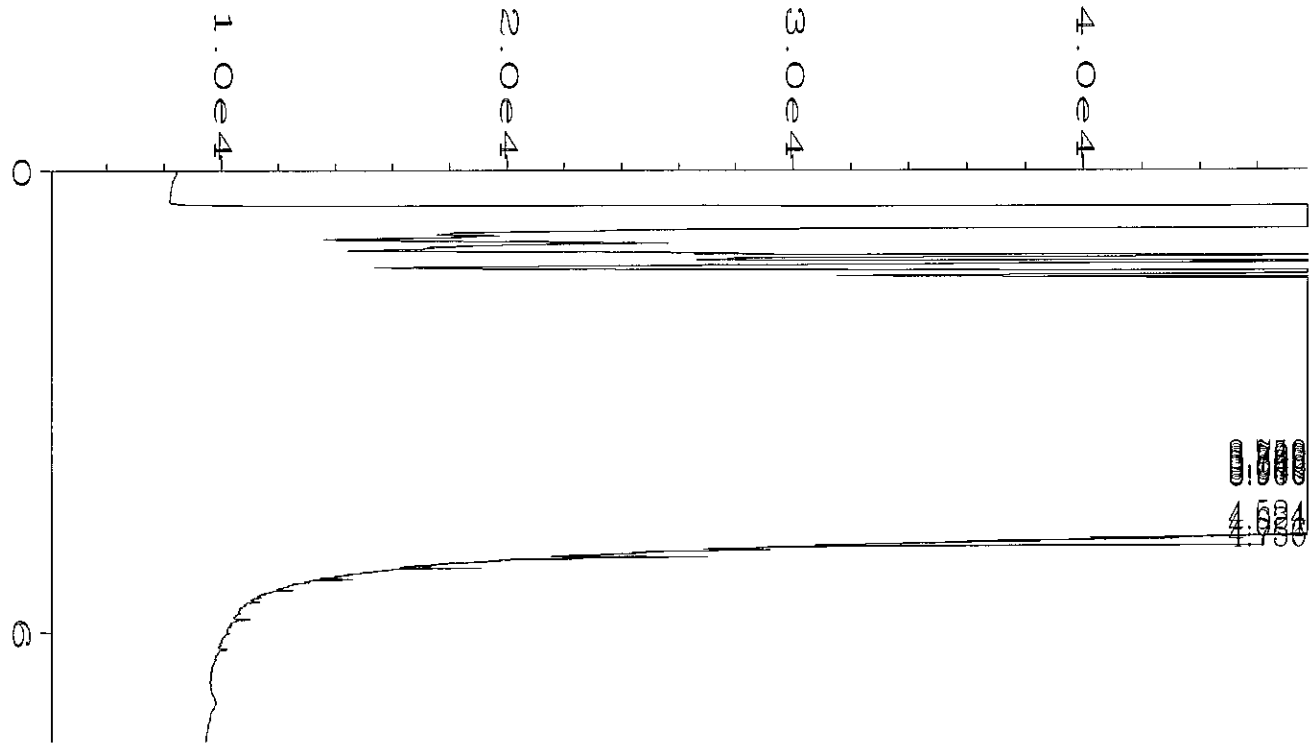
Data File Name : C:\HPCHEM\1\DATA\01-19-22\013F0601.D
Operator : TL
Instrument : GC1
Sample Name : 10000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:05 PM
Report Created on: 19 Jan 22 02:19 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\013F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.11614E+009	9.6302E+007	PVA	0.193	92.2163
2	1.355	3788386	385251	VV +	0.000	0.3130
3	2.532	4.31403E+007	1814558	VV +	0.000	3.5643
4	3.908	4.58812E+007	1955674	VVA	0.391	3.7908
5	4.882	1254524	137557	VVA	0.152	0.1037
6	5.805	130070	6290	VVA	0.345	0.0107
7	6.905	14775	440	VB +	0.000	0.0012

Total area = 1.21035E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\013R0601.D
Operator : TL
Instrument : GC1
Sample Name : 10000 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:05 PM
Report Created on: 19 Jan 22 02:19 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\013R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.740	74732	154968	PV	0.008	3.0304
2	3.753	30443	67832	VV	0.007	1.2345
3	3.789	861224	1188246	PV	0.011	34.9235
4	3.822	153067	132498	VV	0.017	6.2070
5	3.848	144433	157876	PV	0.015	5.8569
6	3.882	371662	158215	VV	0.031	15.0713
7	3.940	656816	963024	VV	0.011	26.6346
8	3.966	64405	76261	VV	0.014	2.6117
9	4.534	26171	15937	PV	0.027	1.0613
10	4.621	71286	86549	PV	0.014	2.8907
11	4.756	11791	43787	PBA	0.012	0.4781

Total area = 2466029

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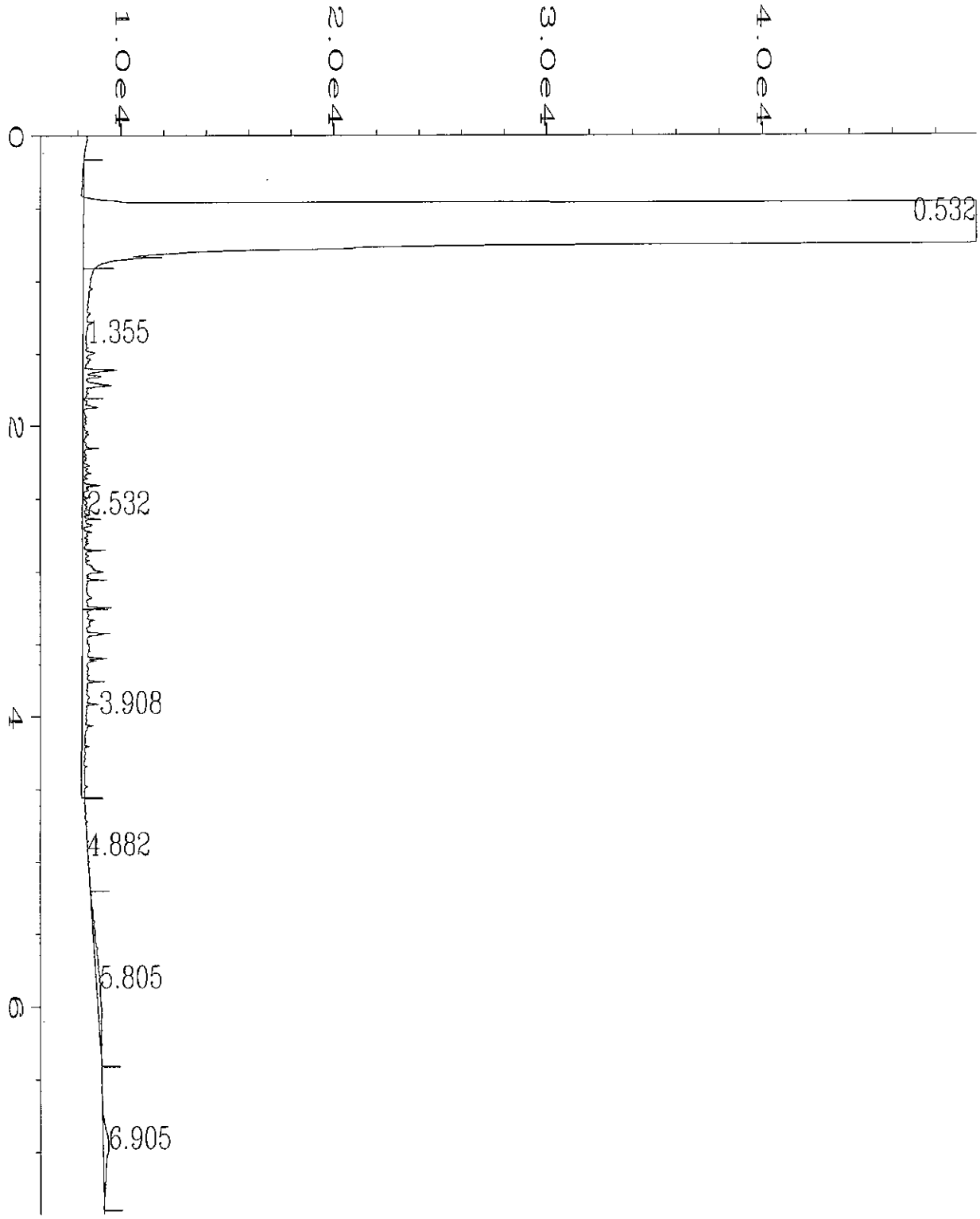
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\013F0601.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 13			
Sample Name : 10000 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	1/19/22	14:05		Instrume	DX.MTH		
Report Created on: 19 Jan 22 02:19 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
88	>4.6	<4.7	71286	8.13E+03		12/2/21	
o-Terphenyl							
407	>3.8	<3.9	371662	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
11444	>1.80	<4.55	8.86E+07	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
11201	>1.80	<6.40	89963145	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
225	>4.55	<6.40	1313307	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	46822845	7.42E+03		12/30/21	
C12-C24							
13911	>1.80	<4.50	88649838	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
5502	>0.90	<3.08	46928686	8.53E+03		4/18/17	
Kerosene C8-C20							
9182	>0.90	<4.50	92438224	1.01E+04		1/9/19	
Transformer Oil							
10249	>2.2	<5.20	89833076	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	5502						
TPHD (8-36)	6044						
TPHDX (8-36)	5830						
Motor Oil (8-36	8029						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\006F0701.D
Operator : TL
Instrument : GC1
Sample Name : 5 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:19 PM
Report Created on: 19 Jan 22 02:33 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

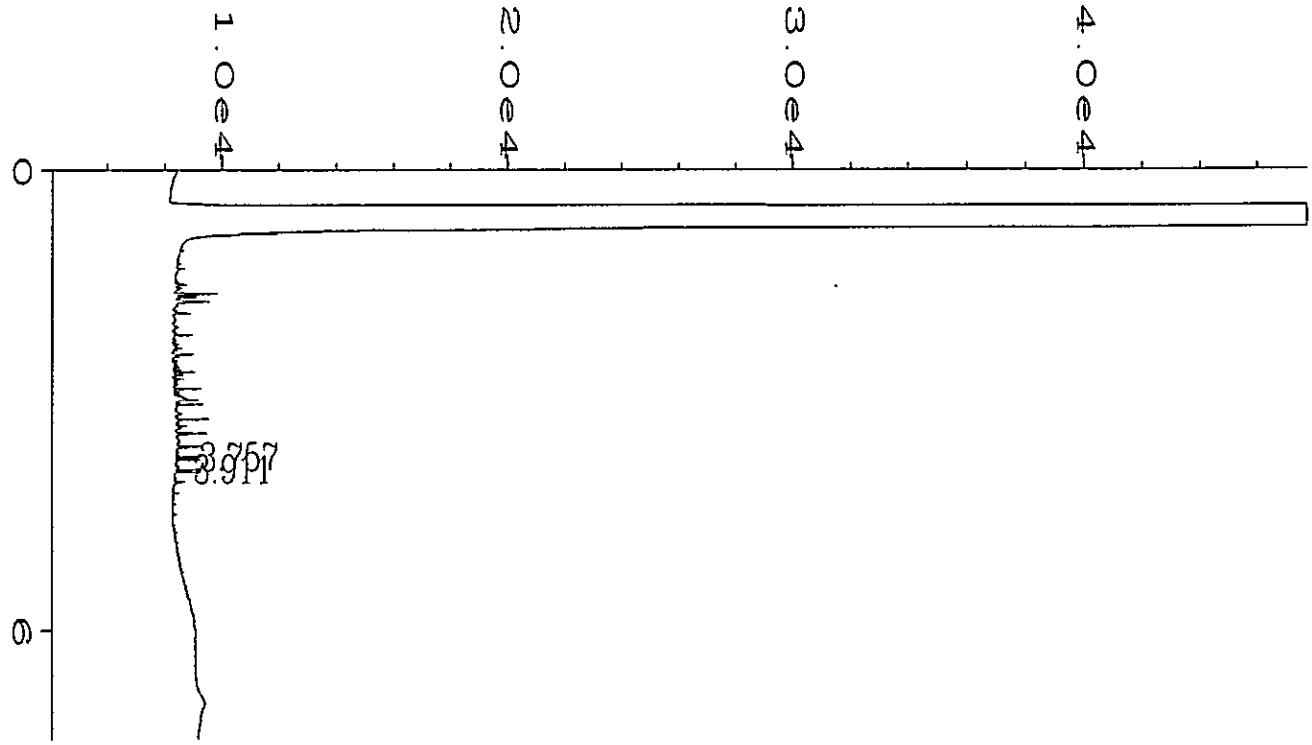
Data File Name : C:\HPCHEM\1\DATA\01-19-22\006F0701.D
Operator : TL
Instrument : GC1
Sample Name : 5 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:19 PM
Report Created on: 19 Jan 22 02:33 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\006F0701.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.08473E+009	9.55035E+007	PVA	0.189	99.9938
2	1.355	16098	1463	VVA	0.183	0.0015
3	2.532	19172	1155	VV +	0.000	0.0018
4	3.908	19677	1192	VB +	0.000	0.0018
5	4.882	141	146	BV +	0.000	0.0000
6	5.805	7393	276	VB +	0.000	0.0007
7	6.905	4616	278	BB +	0.000	0.0004

Total area = 1.08479E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\006R0701.D
Operator : TL
Instrument : GC1
Sample Name : 5 Dx 65-27
Run Time Bar Code:
Acquired on : 19 Jan 22 02:19 PM
Report Created on: 19 Jan 22 02:33 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\006R0701.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.757	437	829	PV	0.011	57.9699
2	3.911	317	626	VV	0.008	42.0301

Total area = 755

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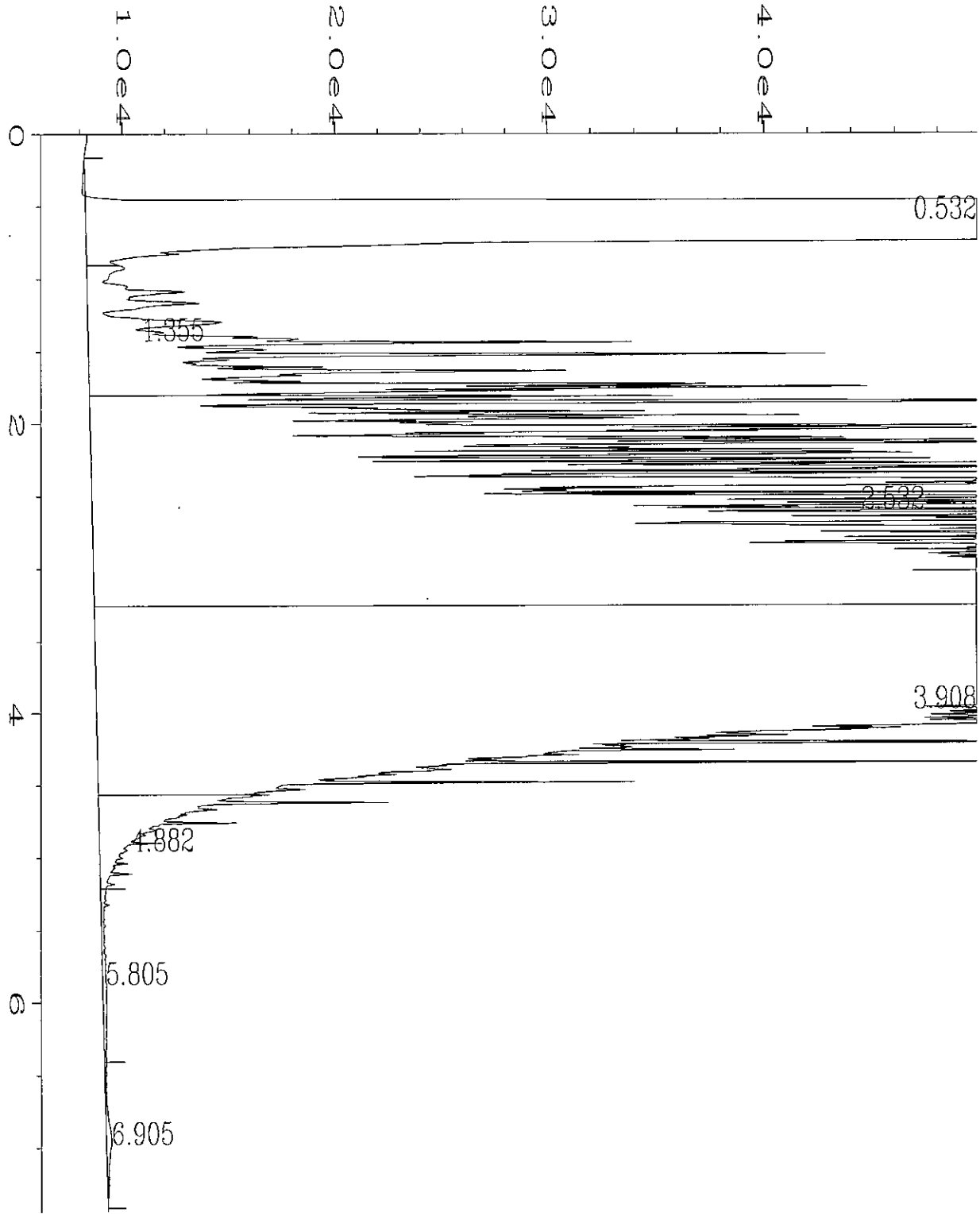
Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\006F0701.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 6			
Sample Name : 5 Dx 65-27				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 7			
Acquired on	1/19/22	14:19		Instrume	DX.MTH		
Report Created on: 19 Jan 22 02:33 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	8.51E+03		12/2/21	
Pentacosane							
0	>4.6	<4.7	0	8.13E+03		12/2/21	
o-Terphenyl							
0	>3.8	<3.9	0	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
5	>1.80	<4.55	3.88E+04	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
6	>1.80	<6.40	46380	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
1	>4.55	<6.40	7532	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	27208	7.42E+03		12/30/21	
C12-C24							
6	>1.80	<4.50	38849	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	35270	8.53E+03		4/18/17	
Kerosene C8-C20							
5	>0.90	<4.50	54947	1.01E+04		1/9/19	
Transformer Oil							
4	>2.2	<5.20	38990	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	4						
TPHDX (8-36)	3						
Motor Oil (8-36	5						



Data File Name : C:\HPCHEM\1\DATA\01-19-22\014F0801.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 2'65-122
Run Time Bar Code:
Acquired on : 19 Jan 22 02:33 PM
Report Created on: 19 Jan 22 03:15 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 8
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

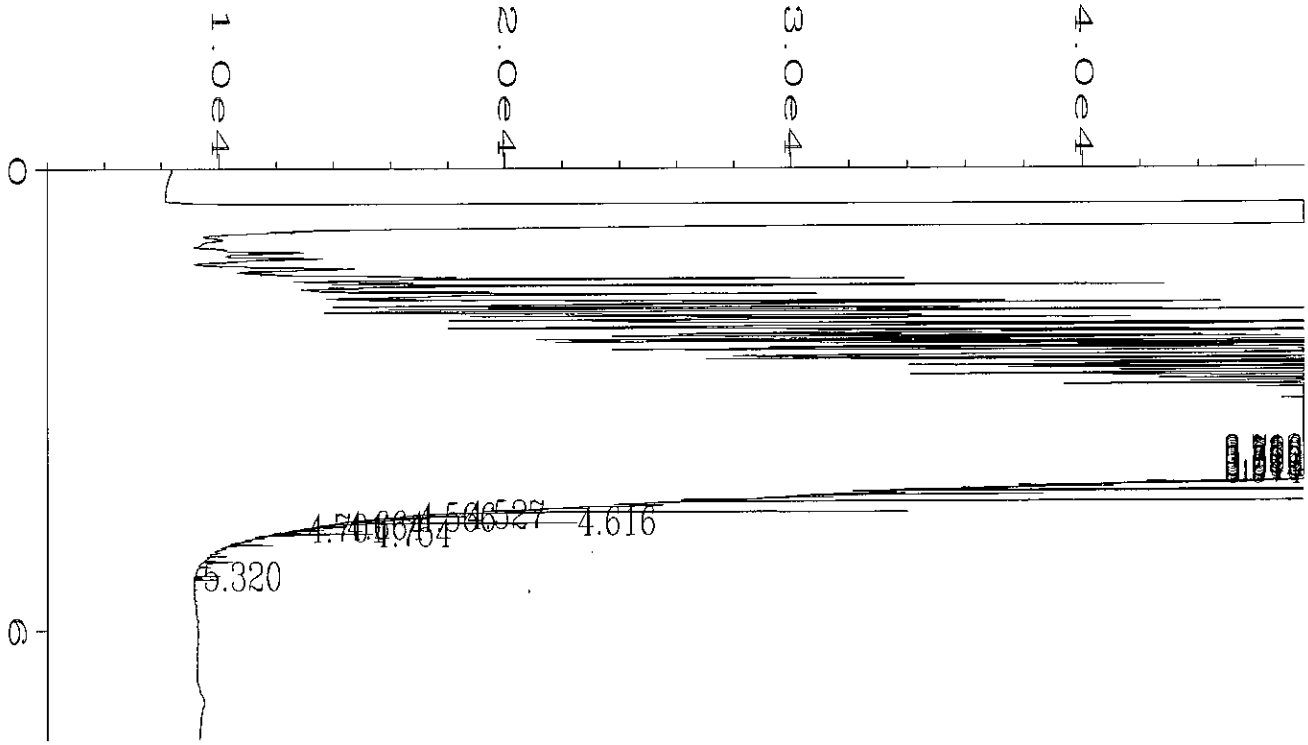
Data File Name : C:\HPCHEM\1\DATA\01-19-22\014F0801.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 2'65-122
Run Time Bar Code:
Acquired on : 19 Jan 22 02:33 PM
Report Created on: 19 Jan 22 03:15 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 8
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\01-19-22\014F0801.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.07803E+009	9.33487E+007	PV +	0.000	99.2432
2	1.355	363524	36049	VV +	0.000	0.0335
3	2.532	3891144	223362	VV +	0.000	0.3582
4	3.908	3854342	211363	VVA	0.304	0.3548
5	4.882	95302	12452	VVA	0.128	0.0088
6	5.805	10084	305	VV +	0.000	0.0009
7	6.905	6009	257	VB +	0.000	0.0006

Total area = 1.08625E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\01-19-22\014R0801.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 2'65-122
Run Time Bar Code:
Acquired on : 19 Jan 22 02:33 PM
Report Created on: 19 Jan 22 03:15 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 8
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\01-19-22\014R0801.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.713	1105	10190	BV	0.002	0.4907
2	3.726	1528	5295	VV	0.005	0.6788
3	3.759	78403	147953	PV	0.011	34.8232
4	3.790	11524	9183	VV	0.021	5.1184
5	3.823	14747	11670	PV	0.017	6.5499
6	3.857	10473	19181	VV	0.009	4.6518
7	3.870	11490	13825	VV	0.014	5.1033
8	3.890	7506	12704	VV	0.010	3.3337
9	3.913	61505	126303	VV	0.011	27.3182
10	3.941	8068	8091	VV	0.017	3.5833
11	3.974	6622	6922	PV	0.015	2.9413
12	4.527	2167	2072	BV	0.015	0.9624
13	4.566	1596	1548	VV	0.016	0.7090
14	4.616	5143	8644	PV	0.013	2.2841
15	4.664	871	1186	VV	0.012	0.3870
16	4.701	290	454	PV	0.011	0.1290
17	4.754	1919	3698	PV	0.009	0.8524
18	5.320	188	293	BV	0.010	0.0835

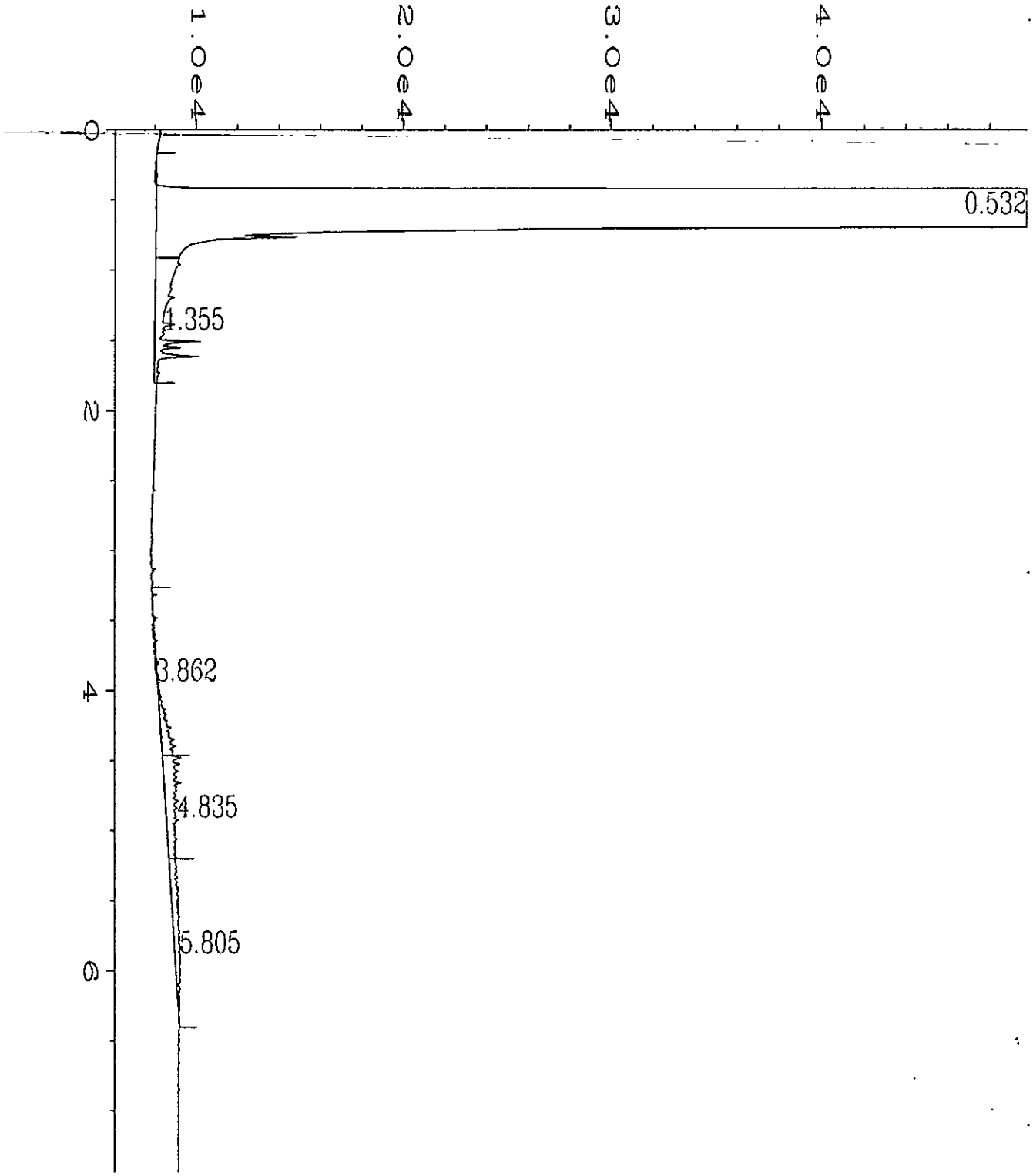
Total area = 225145

Last modified 12/30/21 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\01-19-22\014F0801.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 14			
Sample Name : 1000 Dx 2'65-122				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 8			
Acquired on	1/19/22	14:33		Instrume	DX.MTH		
Report Created on: 19 Jan 22 03:15 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	188	8.51E+03		12/2/21	
Pentacosane							
6	>4.6	<4.7	5143	8.13E+03		12/2/21	
o-Terphenyl							
16	>3.8	<3.9	14747	9.12E+03		12/2/21	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
998	>1.80	<4.55	7.73E+06	7.75E+03		11/19/21	
NWTPH-DX, start C10 - end C36							
975	>1.80	<6.40	7830794	8.03E+03		11/19/21	
Motor Oil, start C25 - end C36							
17	>4.55	<6.40	100055	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	3939650	7.42E+03		12/30/21	
C12-C24							
1213	>1.80	<4.50	7730739	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
499	>0.90	<3.08	4254668	8.53E+03		4/18/17	
Kerosene C8-C20							
804	>0.90	<4.50	8094263	1.01E+04		1/9/19	
Transformer Oil							
892	>2.2	<5.20	7820898	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	499						
TPHD (8-36)	509						
TPHDX (8-36)	491						
Motor Oil (8-36	676						

GC - 1											
Seq. Date	6/7/22				ICDSL.XLS						
Sample ID	10 MO 6	50 MO	100 MO	500 MO	1000 MO	2000 MO	3000 MO 66-148				
Conc.	10	50	100	500	1000	2000	3000				
Triacostane	0	436	578	1320	4454	18806	0.00E+00				
Pentacosane	348	1574	3509	16729	50991	159518	2.05E+05				
Terphenyl	0	240	439	2094	3676	8028	4.09E+03				
Diesel C10-24	7371	19941	191391	104094	1921215	814292	5.60E+06				
D-Ex C10-C36	43847	86129	837012	681514	8368640	3745576	2.14E+07				
Motor Oil	69089	300127	645621	3427401	6447425	14739282	1.58E+07				
Heavy Oil	43847	85239	837012	681514	8368640	3745576	2.14E+07				
Jet A	7372	19941	191391	104094	1921215	814292	5.60E+06				
Stoddard	32405	32125	32686	27743	26818	33212	3.15E+04				
Kerosene	39777	51176	224077	131837	1948033	847504	5.63E+06				
Bunker C	28144	86565	565896	682834	5739304	3764382	1.67E+07				
R.F.										Average	$RSD
Triacostane	0	9	6	3	4	9	0			4.43E+00	86%
Pentacosane	35	31	35	33	51	80	68			4.77E+01	41%
Terphenyl	0	5	4	4	4	4	1			3.20E+00	56%
Diesel C10-24	737	399	1914	208	1921	407	1866			1.06E+03	75%
D-Ex C10-C36	4385	1723	8370	1363	8369	1873	7135			~~4.75E+03~~	67%
Motor Oil	6909	6003	6456	6855	6447	7370	5269			6.47E+03	11%
Heavy Oil	4385	1705	8370	1363	8369	1873	7135			~~4.74E+03~~	67%
Jet A	737	399	1914	208	1921	407	1866			1.06E+03	75%
Stoddard	3241	643	327	55	27	17	10			6.17E+02	191%
Kerosene	3978	1024	2241	264	1948	424	1877			1.68E+03	76%
Bunker C	2814	1731	5659	1366	5739	1882	5563			3.54E+03	57%
Analyte	10	50	100	500	1000	2000	3000	0			
Triacostane	0	98	131	298	1006	4247	0	0			
Pentacosane	7	33	74	351	1069	3343	4304	0			
Terphenyl	0	75	137	653	1147	2505	1276	0			
Diesel C10-24	31	63	-80	80	-80	62	-75	#DIV/0!			
D-Ex C10-C36	8	64	-76	71	-76	61	-50	#DIV/0!			
Motor Oil	-7	7	0	-6	0	-14	19	#DIV/0!			
Heavy Oil	8	64	-76	71	-76	61	-50	#DIV/0!			
Jet A	31	63	-80	80	-80	62	-75	#DIV/0!			
Stoddard	-425	-4	47	91	96	97	98	#DIV/0!			
Kerosene	-137	39	-33	84	-16	75	-12	#DIV/0!			
Bunker C	20	51	-60	61	-62	47	-57	#DIV/0!			

Calculated by: JC 0607-22			Reviewed by			
	Initials	Date/Time		Initials	Date/Time	
Update circled values	JC 06-07-22		Excel TPHD sheet Updated			
	Initials	Date/Time				

2nd SOURCE OK



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\011F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 11
Sample Name	: 10 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 08:30 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:52 AM	Analysis Method	: DX.MTH

Area Percent Report

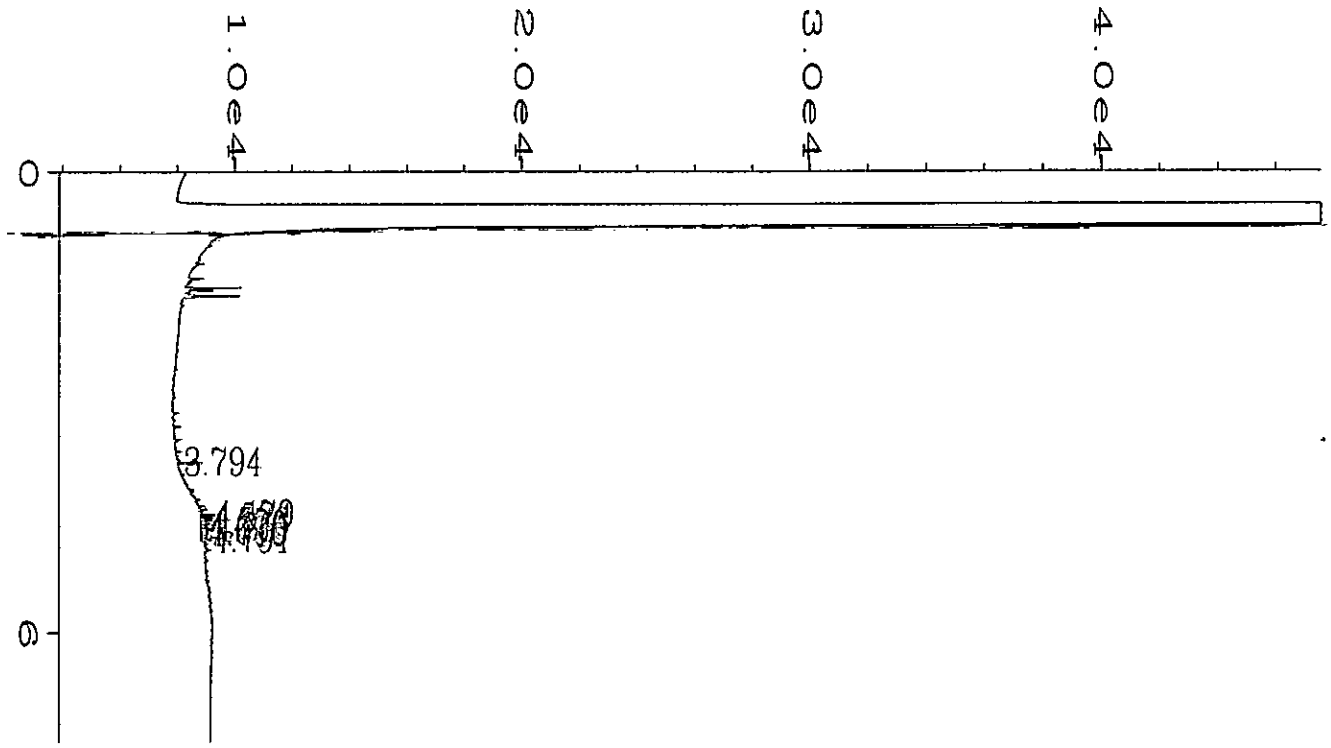
Data File Name : C:\HPCHEM\1\DATA\06-07-22\011F0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:30 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\011F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16366E+009	1.02307E+008	PVA	0.190	99.9934
2	1.355	32405	2077	VB +	0.000	0.0028
3	3.862	7372	961	PV +	0.000	0.0006
4	4.835	21120	712	VV +	0.000	0.0018
5	5.805	15705	304	VB +	0.000	0.0013

Total area = 1.16374E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\011R0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:30 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\011R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.794	101	211	PV	0.008	2.6141
2	4.479	516	520	PV	0.015	13.3965
3	4.524	538	458	VV	0.016	13.9755
4	4.576	574	345	VV	0.024	14.9026
5	4.620	474	278	VV	0.025	12.3022
6	4.657	574	515	VV	0.015	14.8924
7	4.690	314	253	VV	0.018	8.1578
8	4.715	328	264	VV	0.019	8.5062
9	4.791	433	399	VBA	0.016	11.2527

Total area = 3852

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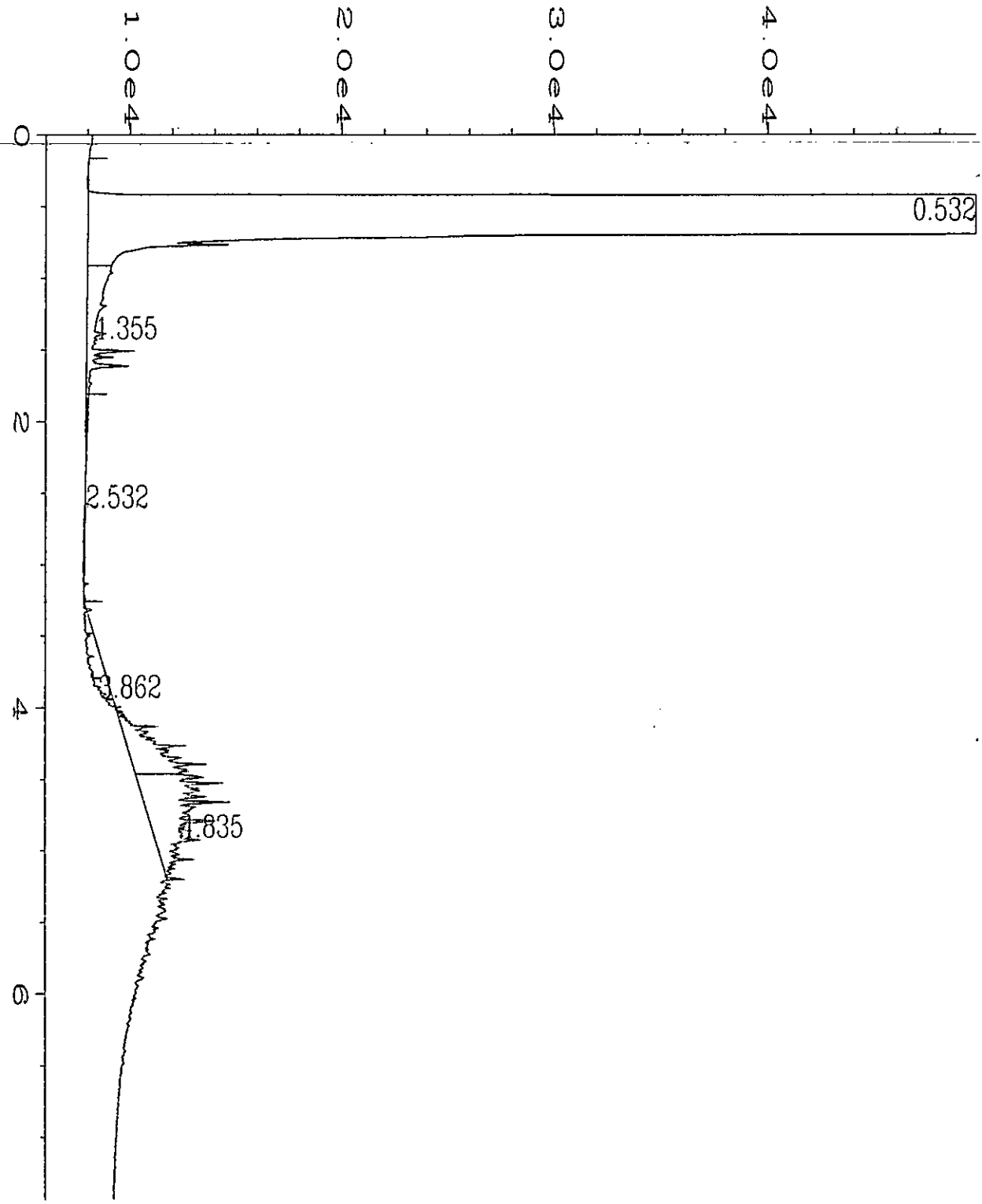
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\011F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 11			
Sample Name : 10 MO 66-148				Injection Number : 1			
Run Time Bar-Code:				Sequence Line : 3			
Acquired on	6/7/22	8:30		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:52 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
1	>4.4	<4.6	574	1.09E+04		6/7/22	
o-Terphenyl							
0	>3.65	<3.75	0	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1	>1.80	<4.29	7.37E+03	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
5	>1.80	<6.40	43621	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
6	>4.30	<6.40	36250	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	43621	7.42E+03		12/30/21	
C12-C24							
1	>1.80	<4.50	7372	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	32405	8.53E+03		4/18/17	
Kerosene C8-C20							
4	>0.90	<4.50	39777	1.01E+04		1/9/19	
Transformer Oil							
3	>2.2	<5.20	27918	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	5						
TPHDX (8-36)	5						
Motor Oil (8-36	7						



Data File Name : C:\HPCHEM\1\DATA\06-07-22\012F0301.D
Operator : TL
Instrument : GC1
Sample Name : 50 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:45 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

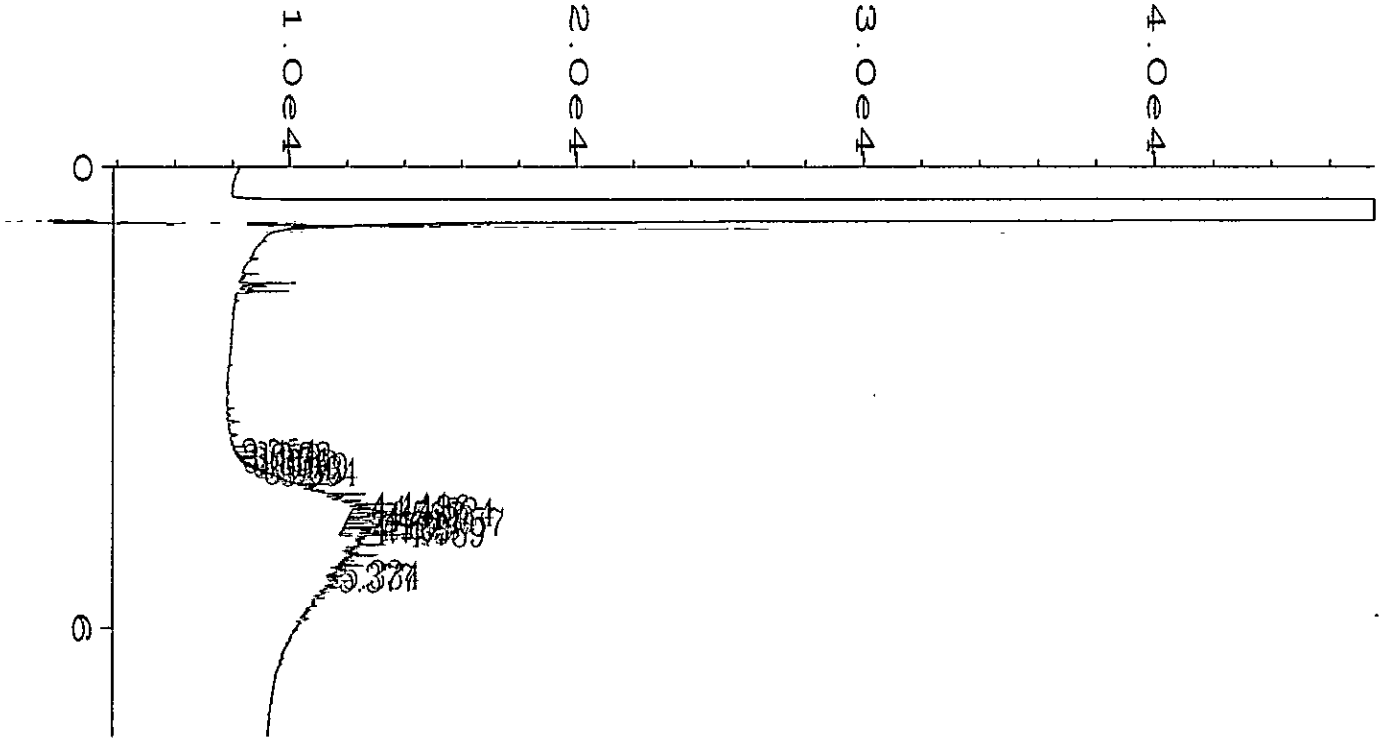
Data File Name : C:\HPCHEM\1\DATA\06-07-22\012F0301.D
Operator : TL
Instrument : GC1
Sample Name : 50 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:45 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\012F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16441E+009	1.02529E+008	PVA	0.189	99.9897
2	1.355	31235	2000	VVA	0.260	0.0027
3	2.532	890	157	VV +	0.000	0.0001
4	3.862	19291	4374	PV +	0.000	0.0017
5	4.835	68198	3407	VB +	0.000	0.0059

Total area = 1.16453E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\012R0301.D
Operator : TL
Instrument : GC1
Sample Name : 50 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 08:45 AM
Report Created on: 07 Jun 22 10:52 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\012R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.751	227	164	VV	0.022	0.9608
2	3.793	250	516	VV	0.011	1.0600
3	3.820	158	118	VV	0.019	0.6691
4	3.854	281	301	PV	0.014	1.1931
5	3.886	142	203	VV	0.012	0.6001
6	3.902	249	326	VV	0.012	1.0569
7	3.939	240	523	PV	0.010	1.0169
8	3.968	144	166	VV	0.014	0.6104
9	3.994	475	545	PBA	0.015	2.0125
10	4.444	231	492	VV	0.008	0.9779
11	4.486	1904	1386	PV	0.020	8.0722
12	4.524	2767	2392	VV	0.016	11.7263
13	4.562	941	1279	VV	0.013	3.9892
14	4.577	1680	1314	VV	0.021	7.1201
15	4.620	2492	1718	VV	0.020	10.5643
16	4.657	3193	2864	VV	0.016	13.5334
17	4.693	1120	1329	VV	0.014	4.7452
18	4.706	834	1110	VV	0.013	3.5333
19	4.720	1125	1030	VV	0.018	4.7703
20	4.753	1829	1049	VV	0.025	7.7508

21	4.789	2467	2368	VBA	0.015	10.4565
22	5.334	408	529	PV	0.012	1.7314
23	5.377	436	346	VV	0.022	1.8493

Total area = 23593

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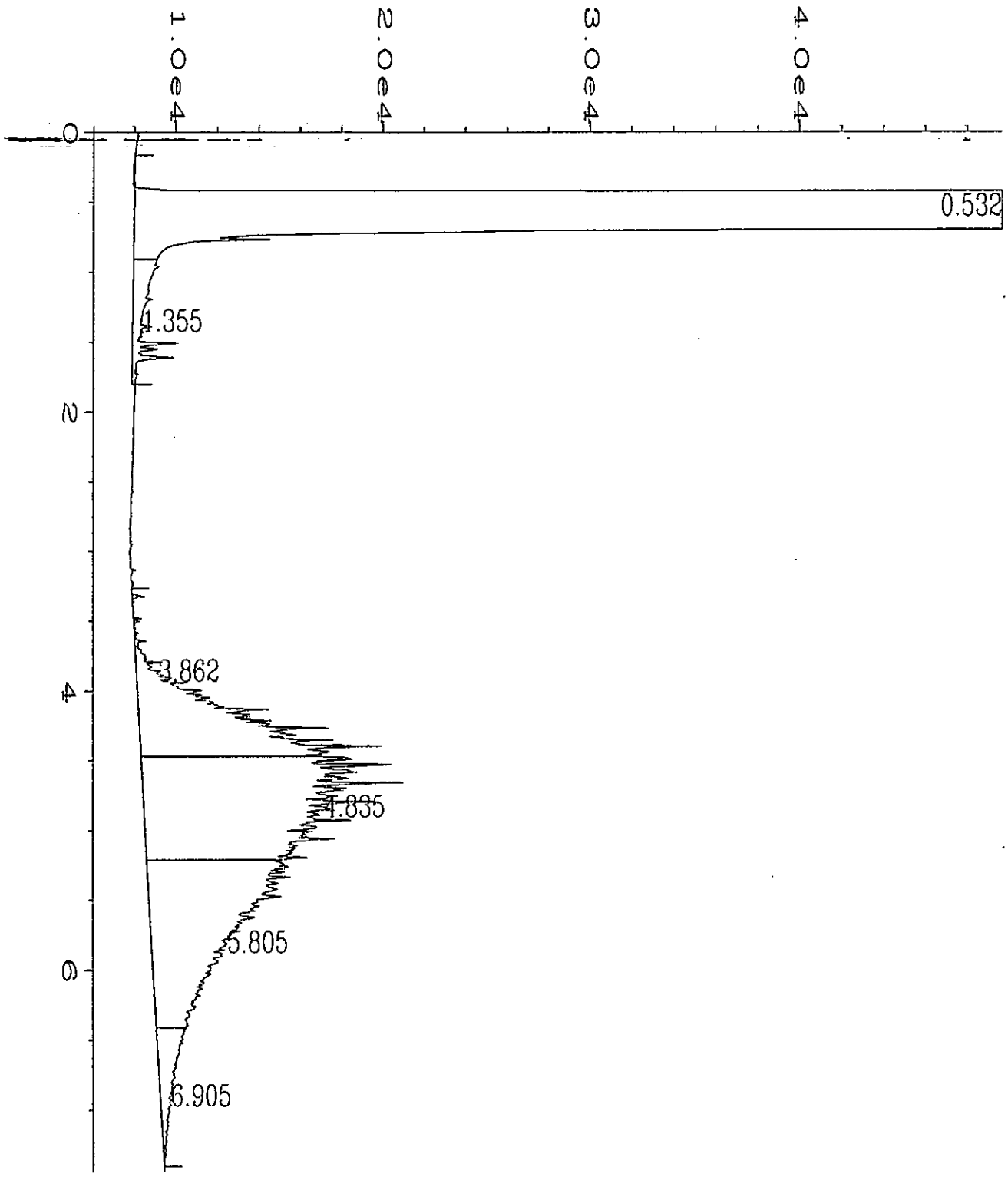
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\012F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 12			
Sample Name : 50 MO 66-148				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	6/7/22	8:45		Instrume	DX:MTH		
Report Created on: 07 Jun 22 10:52 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	436	9.07E+03		6/7/22	
Pentacosane							
3	>4.4	<4.6	2767	1.09E+04		6/7/22	
o-Terphenyl							
0	>3.65	<3.75	0	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
2	>1.80	<4.29	2.02E+04	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
9	>1.80	<6.40	85175	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
10	>4.30	<6.40	64995	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	84285	7.42E+03		12/30/21	
C12-C24							
3	>1.80	<4.50	20181	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	32125	8.53E+03		4/18/17	
Kerosene C8-C20							
5	>0.90	<4.50	51416	1.01E+04		1/9/19	
Transformer Oil							
10	>2.2	<5.20	85612	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	10						
TPHDX (8-36)	9						
Motor Oil (8-36	13						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\013F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 13
Sample Name	: 100 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:00 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

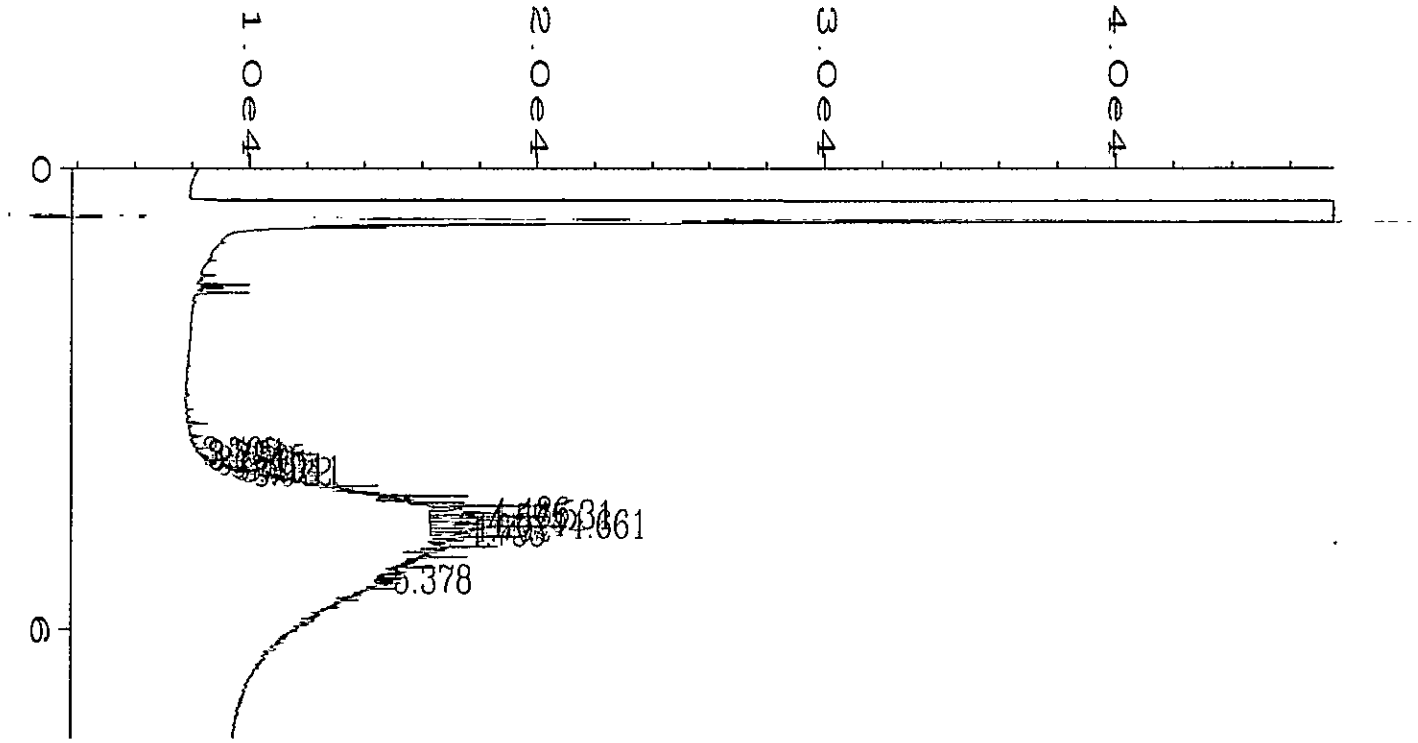
Data File Name : C:\HPCHEM\1\DATA\06-07-22\013F0301.D
Operator : TL
Instrument : GC1
Sample Name : 100 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:00 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\013F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.16291E+009	1.02425E+008	PVA	0.189	99.9220
2	1.355	32686	2067	VB +	0.000	0.0028
3	3.862	191830	11368	PVA	0.281	0.0165
4	4.835	378014	12097	VVA	0.521	0.0325
5	5.805	271694	6682	VVA	0.678	0.0233
6	6.905	33028	1255	VB +	0.000	0.0028

Total area = 1.16382E+009



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Area Percent Report

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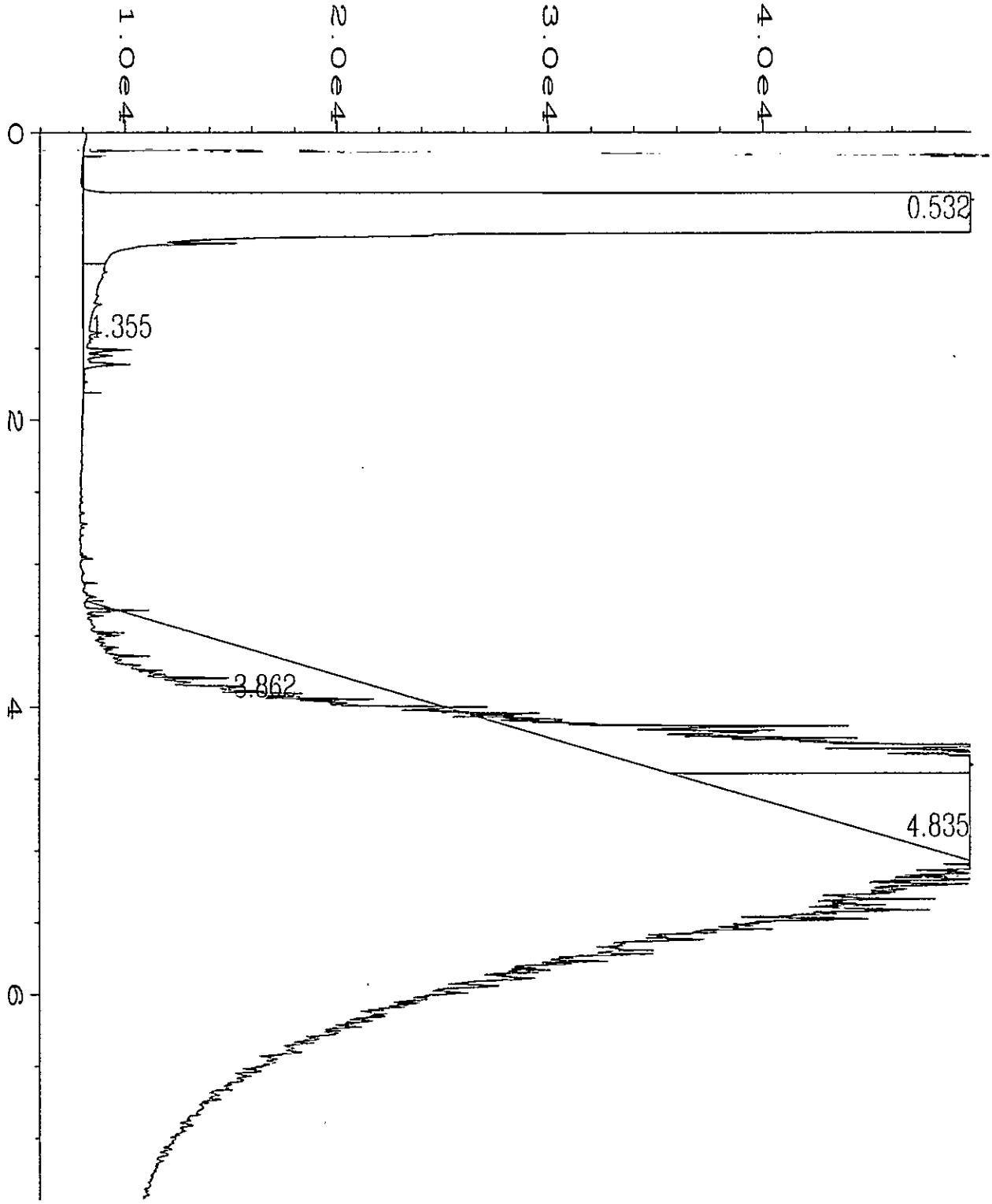
Data File Name : C:\HPCHEM\1\DATA\06-07-22\013R0301.D
Operator : TL
Instrument : GC1
Sample Name : 100 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:00 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\013R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.707	153	139	PV	0.019	0.4871
2	3.741	143	232	VV	0.010	0.4553
3	3.754	158	237	VV	0.011	0.5015
4	3.771	121	186	VV	0.011	0.3836
5	3.795	459	866	VV	0.012	1.4591
6	3.826	335	259	VV	0.020	1.0641
7	3.854	579	599	PV	0.015	1.8401
8	3.887	315	416	VV	0.012	1.0010
9	3.904	520	680	VV	0.011	1.6519
10	3.925	176	339	VV	0.009	0.5588
11	3.941	486	985	PV	0.008	1.5435
12	3.972	190	177	VV	0.018	0.6045
13	4.486	3770	2162	PV	0.029	11.9751
14	4.531	4629	3991	VV	0.025	14.7037
15	4.575	4681	1958	VV	0.040	14.8699
16	4.624	3255	2063	VV	0.026	10.3397
17	4.661	5275	4787	VV	0.024	16.7549
18	4.702	3616	1452	VV	0.042	11.4847
19	4.755	2072	1426	VV	0.024	6.5808
20	5.378	548	619	PBA	0.016	1.7409

Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\013F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 13			
Sample Name : 100 MO 66-148				Injection Number : 1			
Run Time Bar Code: _ _				Sequence Line : 3			
Acquired on	6/7/22	9:00		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:53 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
1	>5.3	<5.4	548	9.07E+03		6/7/22	
Pentacosane							
4	>4.4	<4.6	4681	1.09E+04		6/7/22	
o-Terphenyl							
0	>3.65	<3.75	153	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
22	>1.80	<4.29	1.92E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
93	>1.80	<6.40	836156	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
100	>4.30	<6.40	644479	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	836156	7.42E+03		12/30/21	
C12-C24							
30	>1.80	<4.50	191677	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	32686	8.53E+03		4/18/17	
Kerosene C8-C20							
22	>0.90	<4.50	224363	1.01E+04		1/9/19	
Transformer Oil							
64	>2.2	<5.20	565010	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	97						
TPHDX (8-36)	93						
Motor Oil (8-36	129						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\014F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 14
Sample Name	: 500 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:14 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

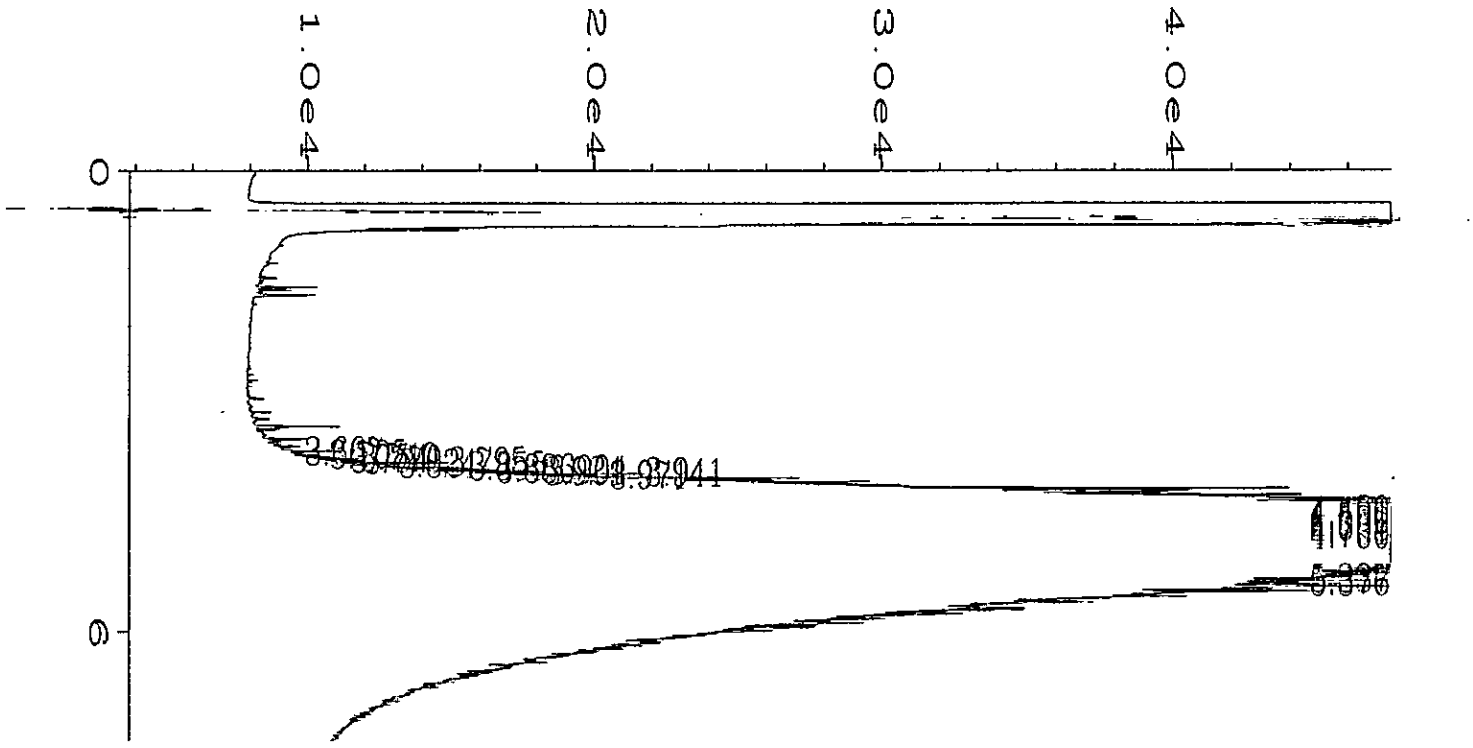
Data File Name : C:\HPCHEM\1\DATA\06-07-22\014F0301.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:14 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\014F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.20805E+009	1.05895E+008	PVA	0.190	99.9397
2	1.355	27743	2219	VVA	0.208	0.0023
3	3.862	106188	45774	PV +	0.000	0.0088
4	4.835	595469	35080	VB +	0.000	0.0493

Total area = 1.20878E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\014R0301.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:14 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\014R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.667	233	372	BV	0.010	0.1425
2	3.705	853	975	PV	0.015	0.5219
3	3.740	760	1469	VV	0.009	0.4645
4	3.754	459	903	VV	0.008	0.2805
5	3.770	685	1121	VV	0.010	0.4187
6	3.795	2094	3953	PV	0.009	1.2807
7	3.824	1638	1303	VV	0.019	1.0018
8	3.855	2635	2818	PV	0.014	1.6114
9	3.886	2273	2466	VV	0.014	1.3905
10	3.904	3040	3502	PV	0.015	1.8591
11	3.924	1156	2374	VV	0.008	0.7071
12	3.941	2547	5228	PV	0.008	1.5580
13	3.971	2037	1681	VV	0.019	1.2460
14	4.450	2259	2428	VV	0.016	1.3816
15	4.491	20466	14790	PV	0.029	12.5178
16	4.531	27821	27901	VV	0.017	17.0160
17	4.580	22257	13225	VV	0.028	13.6129
18	4.627	21603	13343	VV	0.027	13.2130
19	4.663	22333	22463	VV	0.023	13.6596
20	4.701	18428	9368	VV	0.033	11.2711

21	4.760	6649	5904	VV	0.019	4.0669
22	5.337	233	4616	BV	0.172	0.1425
23	5.376	1040	1370	PBA	0.013	0.6359

Total area = 163498

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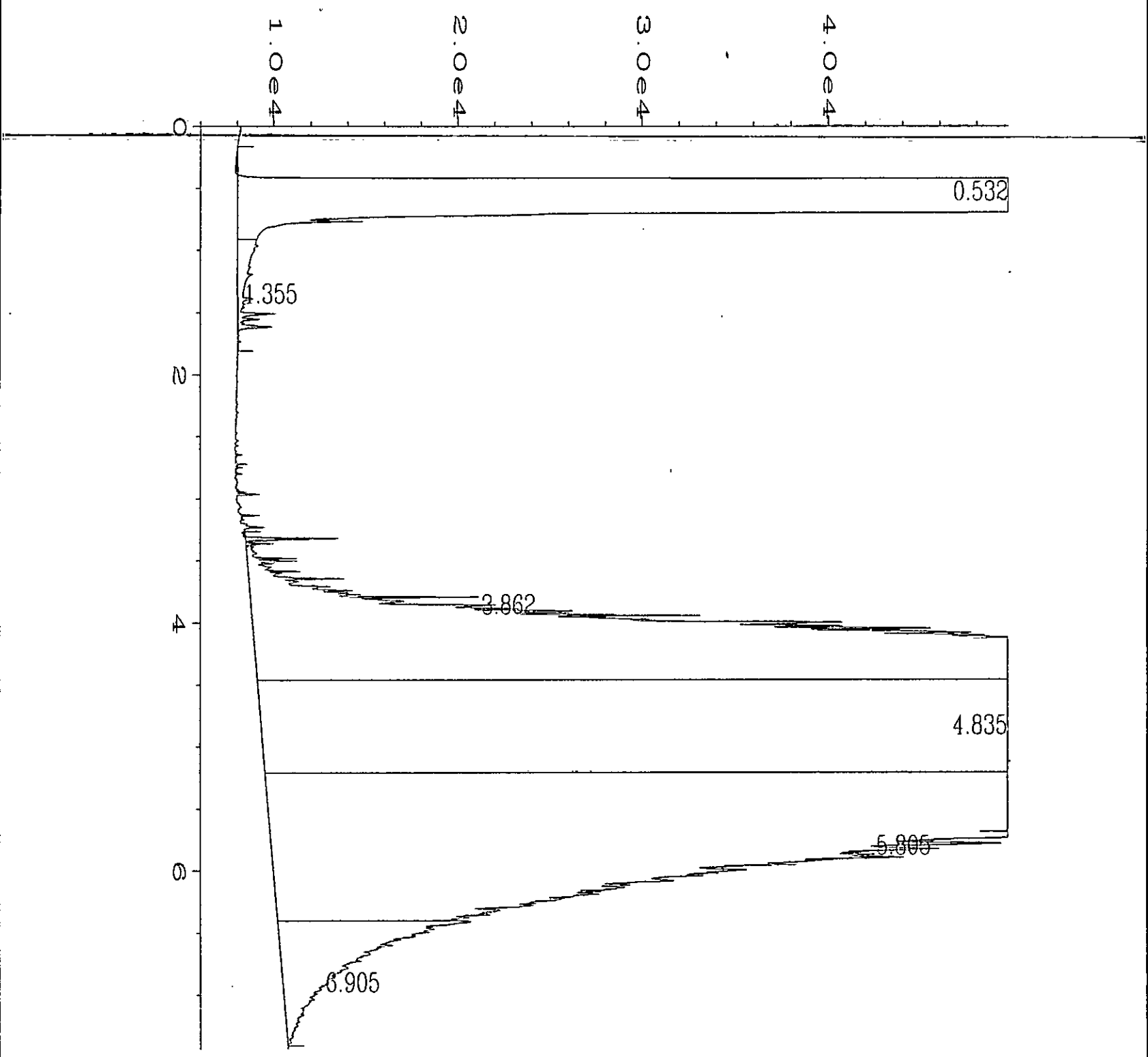
Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\06-07-22\014F0301.D
Operator : TL | Page Number : 1
Instrument : GC1 | Vial Number : 14
Sample Name : 500 MO 66-148 | Injection Number : 1
Run Time Bar Code: | Sequence Line : 3
Acquired on 6/7/22 9:14 Instrume DX.MTH
Report Created on: 07 Jun 22 10:53 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
1	>5.3	<5.4	1040	9.07E+03		6/7/22
Pentacosane						
25	>4.4	<4.6	27821	1.09E+04		6/7/22
o-Terphenyl						
1	>3.65	<3.75	853	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
12	>1.80	<4.29	1.05E+05	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
75	>1.80	<6.40	671943	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
88	>4.30	<6.40	566608	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	671943	7.42E+03		12/30/21
C12-C24						
17	>1.80	<4.50	105335	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
3	>0.90	<3.08	27743	8.53E+03		4/18/17
Kerosene C8-C20						
13	>0.90	<4.50	133078	1.01E+04		1/9/19
Transformer Oil						
77	>2.2	<5.20	672983	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	3
TPHD (8-36)	78
TPHDX (8-36)	75
Motor Oil (8-36	104



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\015F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 15
Sample Name	: 1000 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:29 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

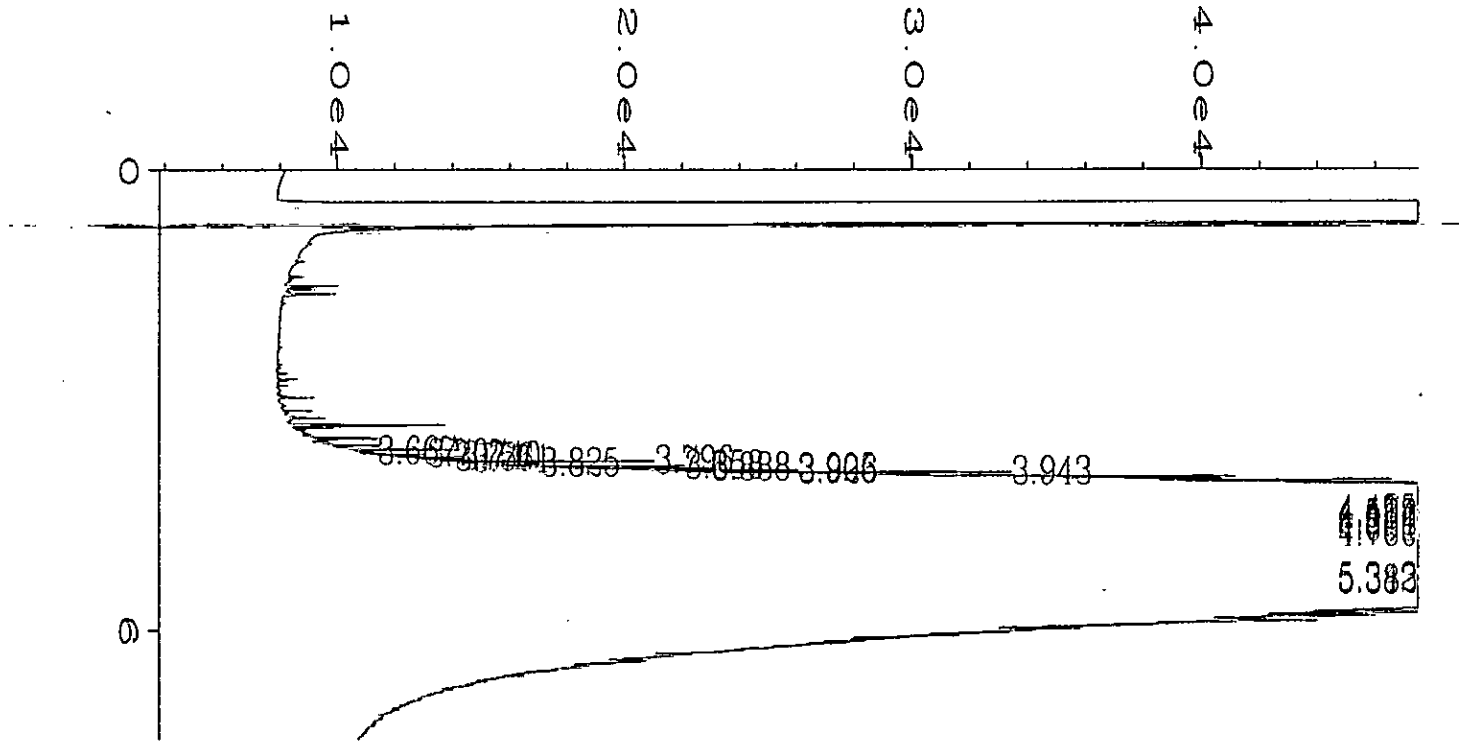
Data File Name : C:\HPCHEM\1\DATA\06-07-22\015F0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:29 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\015F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.18204E+009	1.04373E+008	PVA	0.189	99.2742
2	1.355	26818	2010	VVA	0.222	0.0023
3	3.862	1924891	112077	PV +	0.000	0.1617
4	4.835	3869080	122012	VVA	0.529	0.3249
5	5.805	2633790	75775	VV +	0.000	0.2212
6	6.905	186804	10219	VBA+	0.000	0.0157

Total area = 1.19068E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\015R0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:29 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

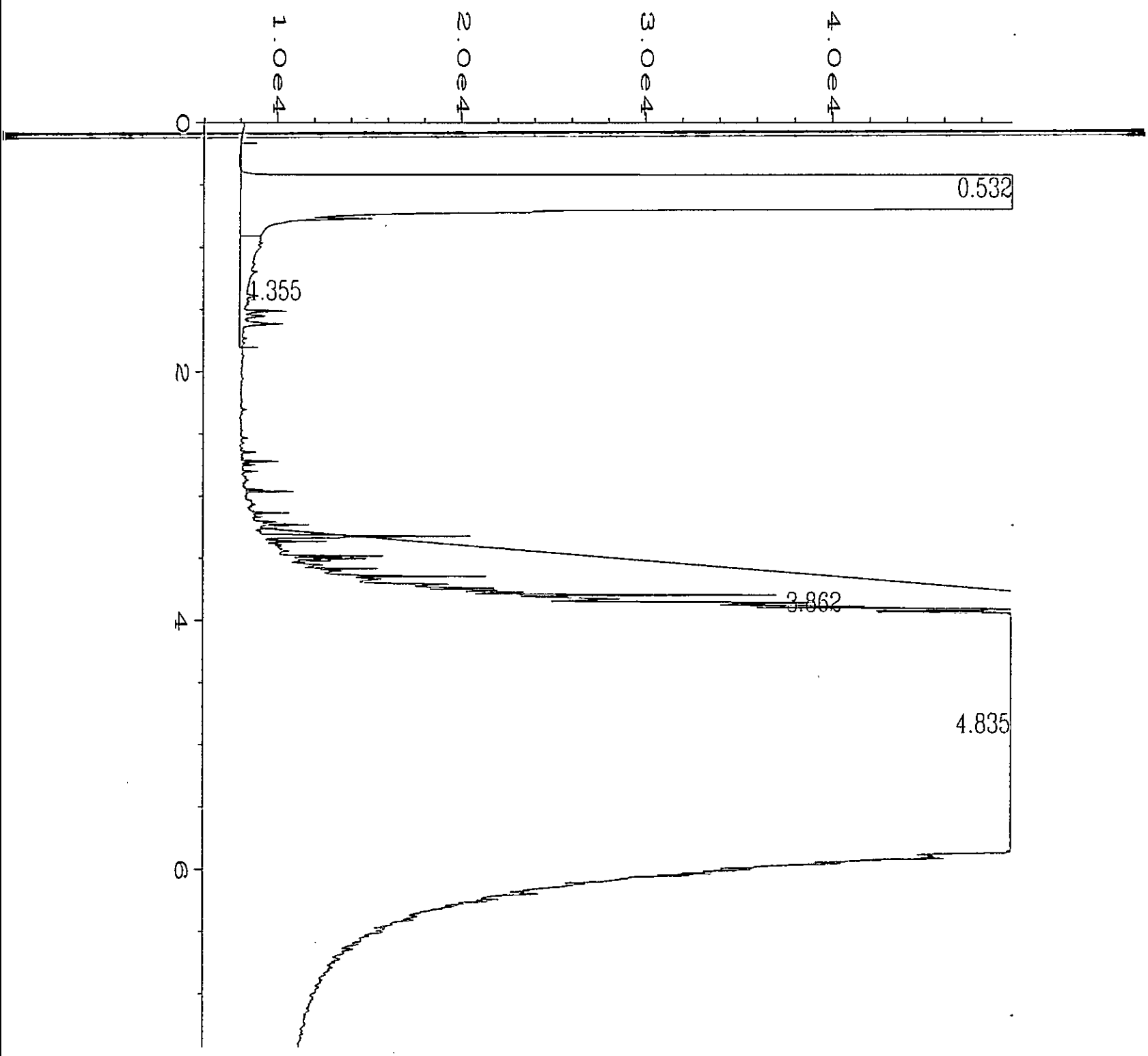
Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\015R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.667	300	621	BV	0.011	0.1108
2	3.707	1249	1765	PV	0.013	0.4604
3	3.740	1149	2037	VV	0.009	0.4234
4	3.756	721	1279	VV	0.009	0.2658
5	3.771	756	1505	VV	0.008	0.2785
6	3.796	3676	7529	PV	0.008	1.3550
7	3.825	2777	2109	VV	0.019	1.0237
8	3.858	5921	5395	PV	0.017	2.1825
9	3.888	2872	3779	VV	0.011	1.0587
10	3.905	4870	5573	VV	0.015	1.7949
11	3.926	2017	3679	VV	0.009	0.7435
12	3.943	4284	9522	PV	0.009	1.5790
13	4.455	3830	6442	PV	0.011	1.4116
14	4.474	3593	9606	PV	0.006	1.3242
15	4.494	27465	28798	VV	0.015	10.1233
16	4.513	4738	8536	VV	0.009	1.7466
17	4.532	44609	50441	VV	0.014	16.4429
18	4.584	45511	22434	VV	0.027	16.7750
19	4.611	7280	10904	VV	0.011	2.6832
20	4.628	24575	26885	VV	0.015	9.0582

21	4.664	39533	47465	VV	0.014	14.5716
22	4.698	24091	11266	VV	0.036	8.8797
23	4.760	12432	15022	VV	0.012	4.5825
24	5.343	343	11353	BV	0.003	0.1263
25	5.382	2709	4616	PBA	0.010	0.9986

Total area = 271299

Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\015F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 15			
Sample Name : 1000 MO 66-148				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on : 6/7/22		9:29		Instrume DX.MTH			
Report Created on: 07 Jun 22 10:53 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
3	>5.3	<5.4	2709	9.07E+03		6/7/22	
Pentacosane							
42	>4.4	<4.6	45511	1.09E+04		6/7/22	
o-Terphenyl							
1	>3.65	<3.75	1249	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
224	>1.80	<4.29	1.92E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
934	>1.80	<6.40	8378292	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
997	>4.30	<6.40	6454650	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	8378292	7.42E+03		12/30/21	
C12-C24							
302	>1.80	<4.50	1923642	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	26818	8.53E+03		4/18/17	
Kerosene C8-C20							
194	>0.90	<4.50	1950460	1.01E+04		1/9/19	
Transformer Oil							
656	>2.2	<5.20	5747211	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	975						
TPHDX (8-36)	934						
Motor Oil (8-36	1294						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\016F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 16
Sample Name	: 2000 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:44 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:53 AM	Analysis Method	: DX.MTH

Area Percent Report

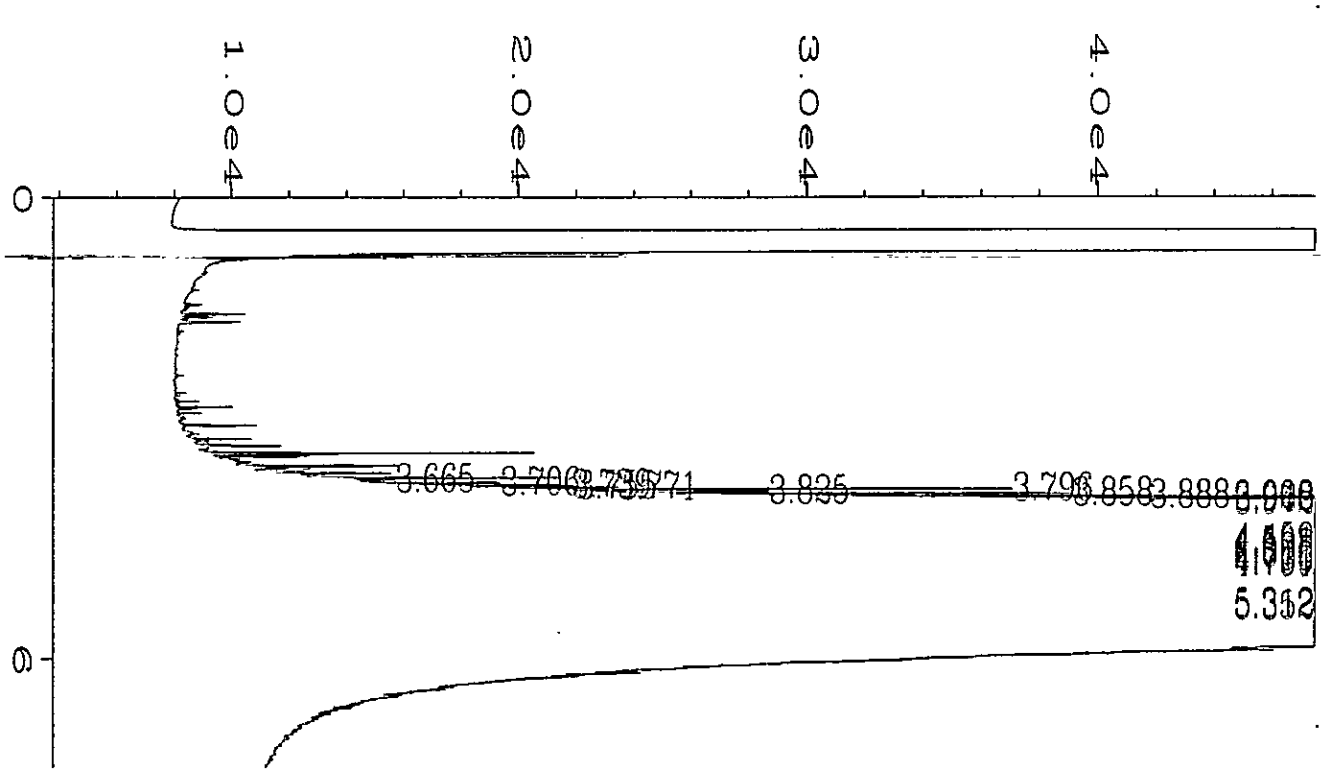
Data File Name : C:\HPCHEM\1\DATA\06-07-22\016F0301.D
Operator : TL
Instrument : GC1
Sample Name : 2000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:44 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\016F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.21143E+009	1.04969E+008	PVA	0.192	99.6738
2	1.355	33212	2319	VB +	0.000	0.0027
3	3.862	822320	192087	PV +	0.000	0.0677
4	4.835	3109608	136680	VB +	0.000	0.2559

Total area = 1.2154E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\016R0301.D
Operator : TL
Instrument : GC1
Sample Name : 2000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:44 AM
Report Created on: 07 Jun 22 10:53 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\016R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.665	898	1381	BV	0.011	0.0786
2	3.706	3561	3936	PV	0.014	0.3117
3	3.739	2633	4251	VV	0.010	0.2305
4	3.755	1823	3325	PV	0.009	0.1596
5	3.771	2072	3756	VV	0.009	0.1813
6	3.796	8028	16356	VV	0.011	0.7025
7	3.825	6649	5440	VV	0.018	0.5819
8	3.858	12999	11720	PV	0.017	1.1376
9	3.888	6875	8621	VV	0.013	0.6017
10	3.908	11305	13837	VV	0.013	0.9894
11	3.925	3960	8309	VV	0.008	0.3466
12	3.942	11106	23036	PV	0.010	0.9719
13	3.972	6704	6148	VV	0.018	0.5867
14	4.459	11484	19928	VV	0.010	1.0050
15	4.501	102476	57314	PV	0.024	8.9680
16	4.538	126605	113060	VV	0.019	11.0797
17	4.591	159518	80062	VV	0.033	13.9601
18	4.635	116125	73903	VV	0.022	10.1626
19	4.676	190242	110479	VV	0.024	16.6488
20	4.708	54117	73652	VV	0.012	4.7360

21	4.719	127400	68744	VV	0.031	11.1492
22	4.769	103946	67788	VV	0.021	9.0967
23	4.791	47442	57469	VBA	0.014	4.1518
24	5.312	5901	7108	BV	0.014	0.5164
25	5.352	18806	23400	PV	0.013	1.6458

Total area = 1142676

Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\06-07-22\016F0301.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 16

Sample Name : 2000 MO 66-148 | Injection Number : 1

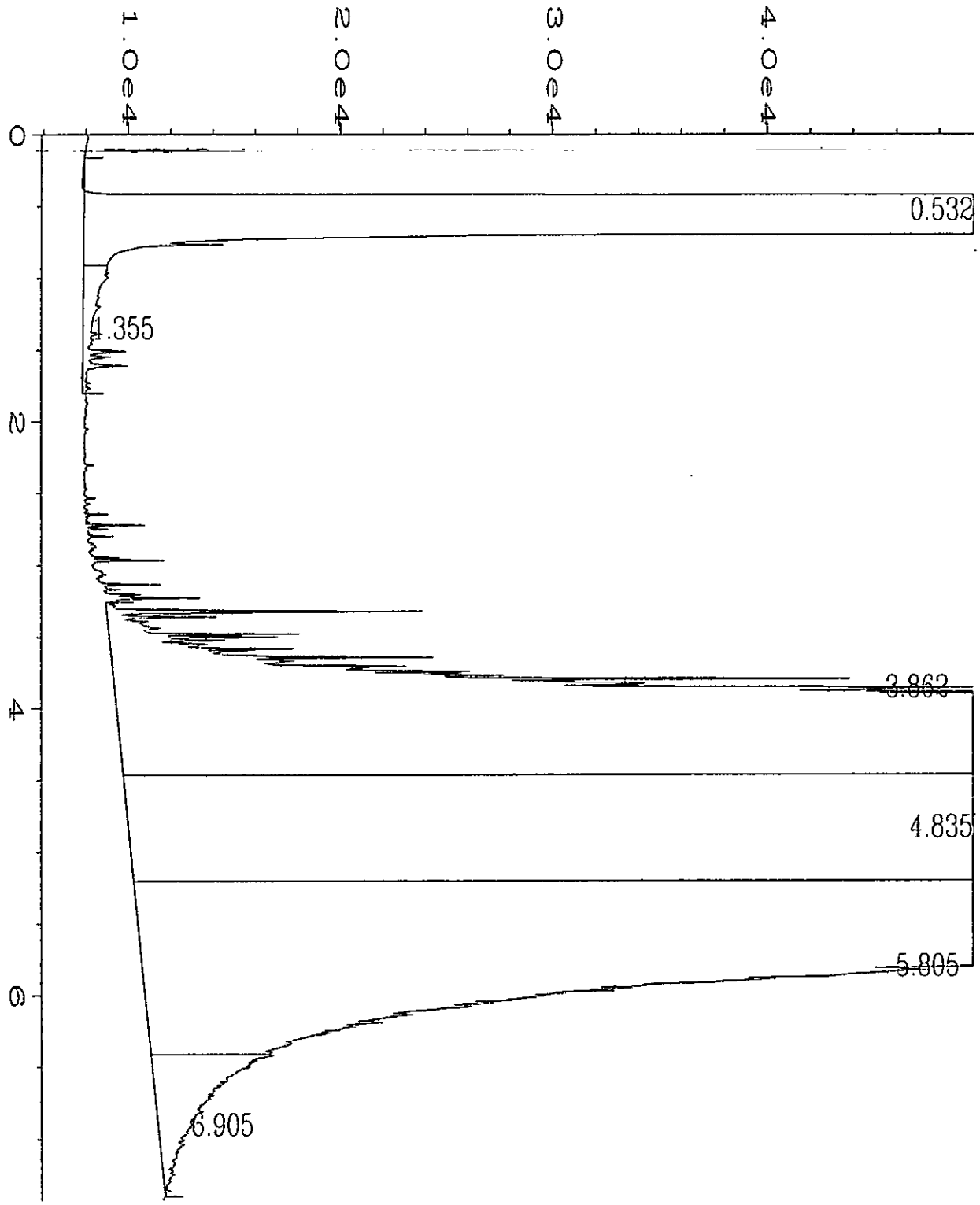
Run Time Bar Code: | Sequence Line : 3

Acquired on 6/7/22 9:44 | Instrume DX.MTH

Report Created on: 07 Jun 22 10:53 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
21	>5.3	<5.4	18806	9.07E+03		6/7/22
Pentacosane						
146	>4.4	<4.6	159518	1.09E+04		6/7/22
o-Terphenyl						
3	>3.65	<3.75	3561	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
95	>1.80	<4.29	8.19E+05	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
418	>1.80	<6.40	3750043	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
453	>4.30	<6.40	2931284	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	3750043	7.42E+03		12/30/21
C12-C24						
128	>1.80	<4.50	818759	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
4	>0.90	<3.08	33212	8.53E+03		4/18/17
Kerosene C8-C20						
85	>0.90	<4.50	851971	1.01E+04		1/9/19
Transformer Oil						
430	>2.2	<5.20	3768849	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	4
TPHD (8-36)	436
TPHDX (8-36)	418
Motor Oil (8-36	579



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\017F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 17
Sample Name	: 3000 MO 66-148	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 09:59 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:54 AM	Analysis Method	: DX.MTH

Area Percent Report

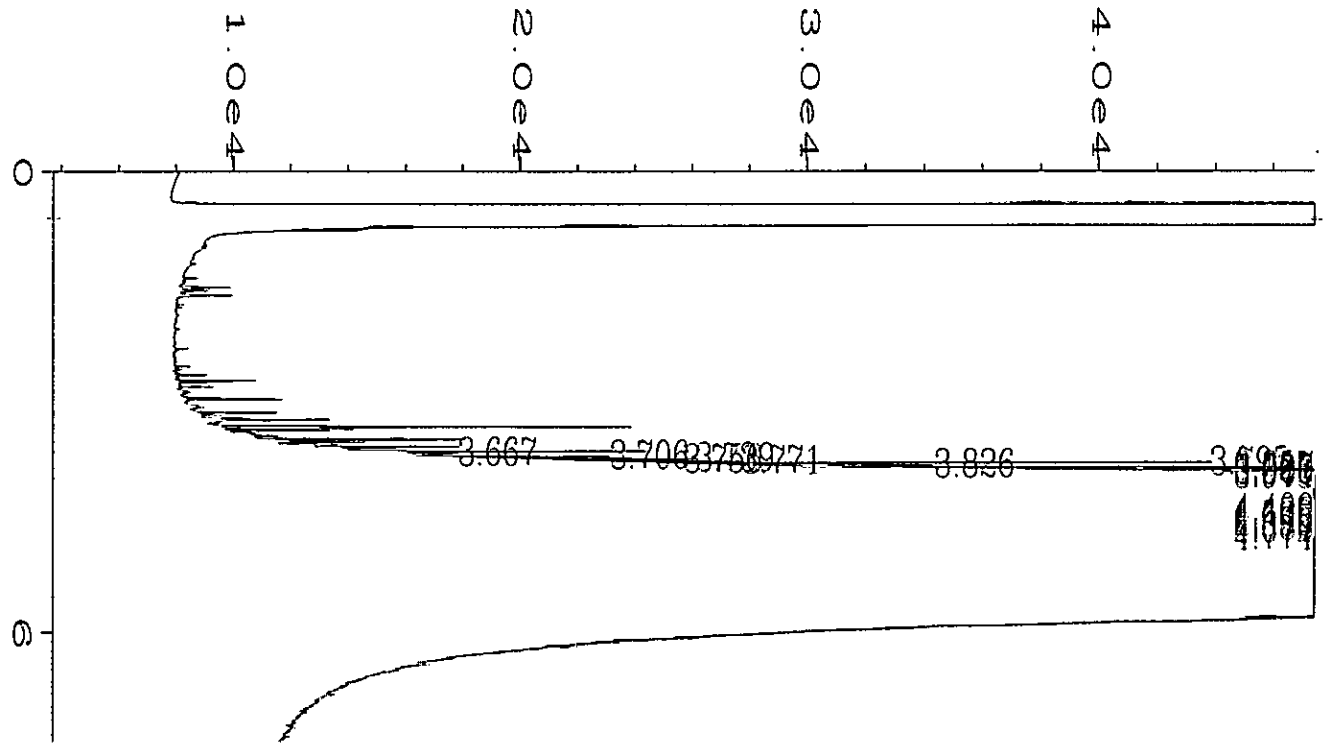
Data File Name : C:\HPCHEM\1\DATA\06-07-22\017F0301.D
Operator : TL
Instrument : GC1
Sample Name : 3000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:59 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\017F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15509E+009	1.01926E+008	PVA	0.189	98.1513
2	1.355	31487	1869	VB +	0.000	0.0027
3	3.862	5603258	325619	VV +	0.000	0.4761
4	4.835	1.12952E+007	352316	VV +	0.000	0.9598
5	5.805	4715926	214898	VVA	0.366	0.4007
6	6.905	109850	5375	VB +	0.000	0.0093

Total area = 1.17684E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\017R0301.D
Operator : TL
Instrument : GC1
Sample Name : 3000 MO 66-148
Run Time Bar Code:
Acquired on : 07 Jun 22 09:59 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\017R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.667	1346	1574	BV	0.013	0.0860
2	3.706	4090	5133	PV	0.013	0.2612
3	3.739	3263	5470	VV	0.010	0.2083
4	3.756	1987	3482	PV	0.010	0.1269
5	3.771	2059	4215	VV	0.008	0.1315
6	3.795	10364	19859	VV	0.009	0.6618
7	3.826	8091	5632	VV	0.022	0.5167
8	3.857	16968	16310	PV	0.017	1.0835
9	3.889	7944	11291	VV	0.012	0.5072
10	3.905	14624	18805	VV	0.013	0.9338
11	3.926	6522	13412	VV	0.008	0.4165
12	3.944	11736	25953	PV	0.008	0.7494
13	3.973	7179	5792	VV	0.017	0.4584
14	4.409	73917	99600	BV	0.135	4.7199
15	4.456	76658	48086	PV	0.027	4.8949
16	4.502	145716	97922	VV	0.025	9.3045
17	4.545	169580	141616	VV	0.019	10.8283
18	4.590	205362	88545	VV	0.039	13.1131
19	4.638	192875	103115	VV	0.027	12.3158
20	4.677	438628	148409	VV	0.046	28.0081

21	4.774	167169	82927	VBA	0.034	10.6744

Total area = 1566078

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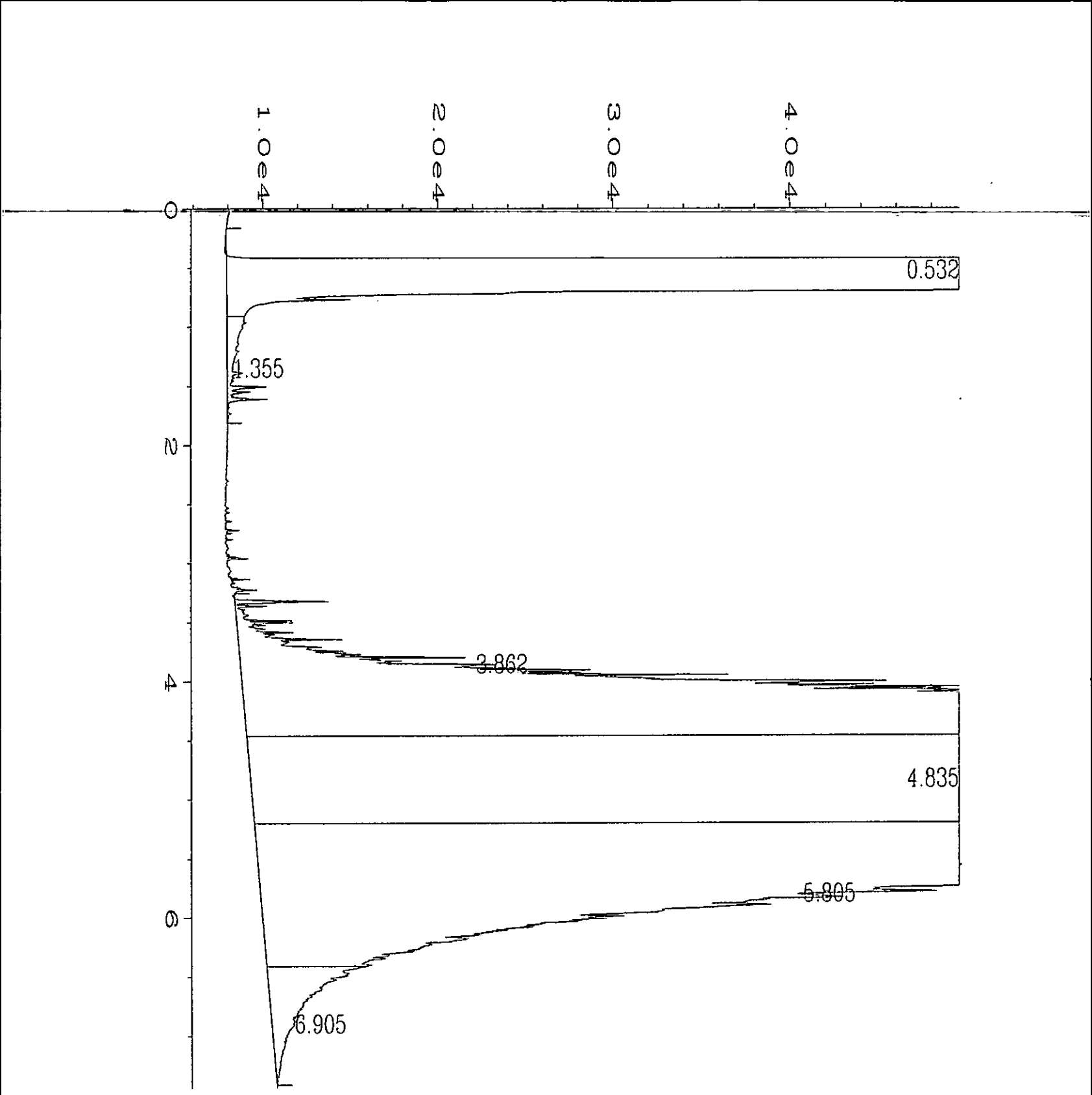
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\017F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 17			
Sample Name : 3000 MO 66-148				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	6/7/22	9:59		Instrume	DX:MTH		
Report Created on: 07 Jun 22 10:54 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
188	>4.4	<4.6	205362	1.09E+04		6/7/22	
o-Terphenyl							
4	>3.65	<3.75	4090	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
652	>1.80	<4.29	5.60E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
2386	>1.80	<6.40	21404931	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
2442	>4.30	<6.40	15805763	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	21404931	7.42E+03		12/30/21	
C12-C24							
879	>1.80	<4.50	5599168	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	31487	8.53E+03		4/18/17	
Kerosene C8-C20							
559	>0.90	<4.50	5630655	1.01E+04		1/9/19	
Transformer Oil							
1904	>2.2	<5.20	16689006	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	2491						
TPHDX (8-36)	2386						
Motor Oil (8-36	3307						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\018F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 18
Sample Name	: 1000 MO 2'66-149	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 10:14 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:54 AM	Analysis Method	: DX.MTH

Area Percent Report

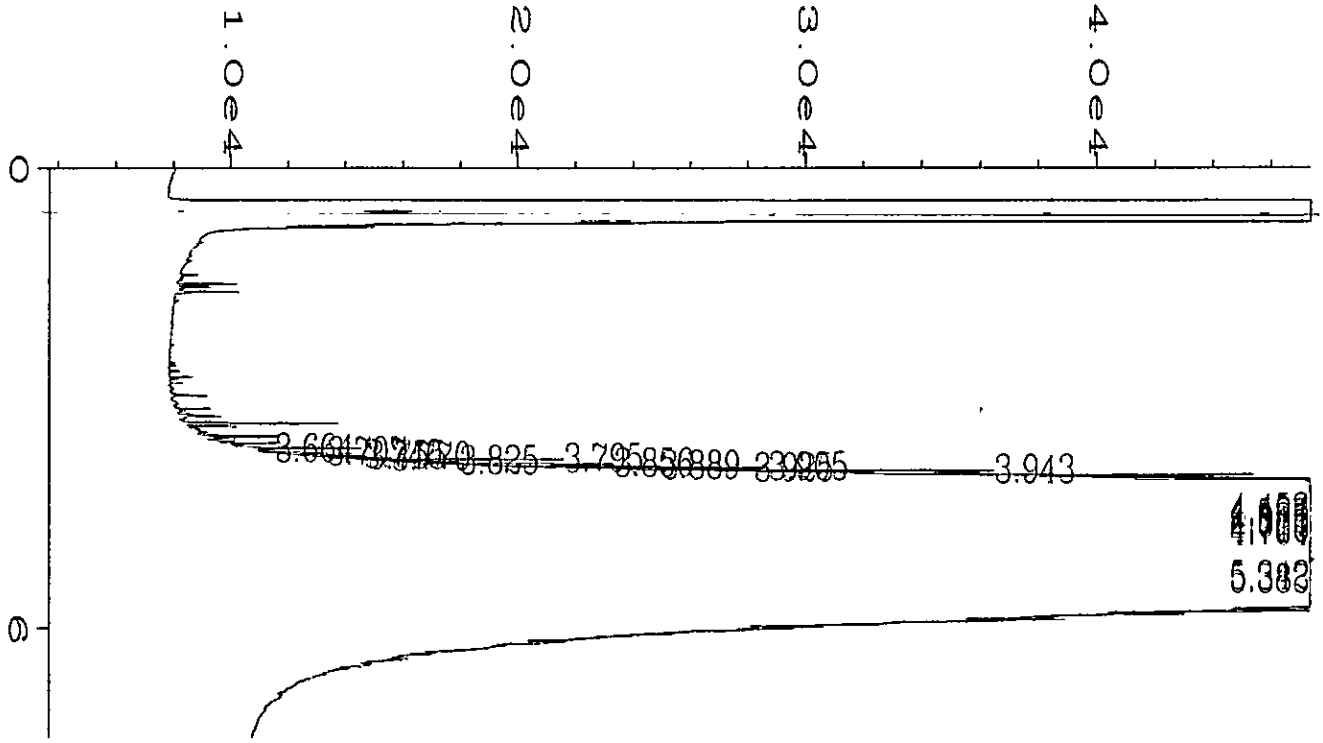
Data File Name : C:\HPCHEM\1\DATA\06-07-22\018F0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 2'66-149
Run Time Bar Code:
Acquired on : 07 Jun 22 10:14 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\018F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.19414E+009	1.04313E+008	PVA	0.191	99.2367
2	1.355	27256	2186	VVA	0.208	0.0023
3	3.862	2125171	125159	PV +	0.000	0.1766
4	4.835	4272669	133768	VV +	0.000	0.3551
5	5.805	2666728	92426	VVA	0.481	0.2216
6	6.905	93549	5505	VBA+	0.000	0.0078

Total area = 1.20332E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\018R0301.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 2'66-149
Run Time Bar Code:
Acquired on : 07 Jun 22 10:14 AM
Report Created on: 07 Jun 22 10:54 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\018R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.664	498	563	BV	0.015	0.1443
2	3.707	1508	1772	PV	0.013	0.4369
3	3.740	1204	1985	VV	0.010	0.3490
4	3.755	950	1792	PV	0.009	0.2754
5	3.770	1041	1973	VV	0.009	0.3017
6	3.795	4033	7719	PV	0.009	1.1690
7	3.825	2316	2207	VV	0.017	0.6713
8	3.856	5724	5531	PV	0.015	1.6588
9	3.889	3088	4473	VV	0.012	0.8951
10	3.905	5375	7004	VV	0.013	1.5578
11	3.925	2405	4616	VV	0.009	0.6971
12	3.943	4330	10652	PV	0.009	1.2549
13	4.453	5599	11602	VV	0.008	1.6227
14	4.494	44751	33059	PV	0.019	12.9696
15	4.533	53253	49867	VV	0.017	15.4336
16	4.585	48477	25902	VV	0.029	14.0495
17	4.613	9011	15097	VV	0.010	2.6115
18	4.631	28807	22192	VV	0.019	8.3488
19	4.667	48728	49866	VV	0.018	14.1221
20	4.704	13921	21641	VV	0.012	4.0344

21	4.716	14361	23006	VV	0.010	4.1620
22	4.730	6461	10971	VV	0.010	1.8726
23	4.764	18316	14445	VV	0.018	5.3083
24	5.342	11297	12104	BV	0.015	3.2740
25	5.383	9591	5710	PBA	0.030	2.7797

Total area = 345046

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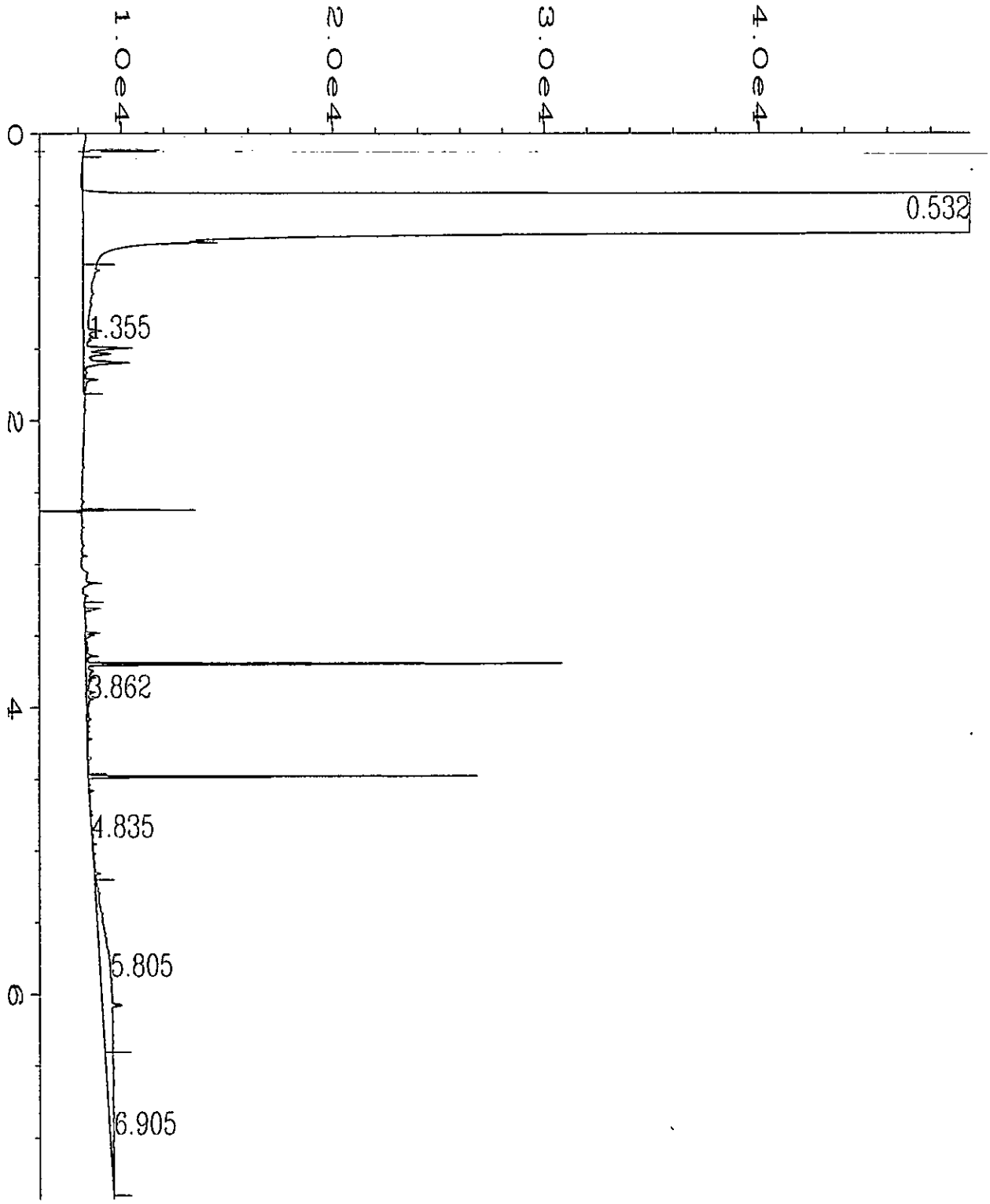
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\018F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 18			
Sample Name : 1000 MO 2'66-149				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on	6/7/22	10:14		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:54 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
12	>5.3	<5.4	11297	9.07E+03		6/7/22	
Pentacosane							
49	>4.4	<4.6	53253	1.09E+04		6/7/22	
o-Terphenyl							
1	>3.65	<3.75	1508	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
247	>1.80	<4.29	2.12E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
1003	>1.80	<6.40	8998510	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
1062	>4.30	<6.40	6874847	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	8998510	7.42E+03		12/30/21	
C12-C24							
333	>1.80	<4.50	2123663	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	27256	8.53E+03		4/18/17	
Kerosene C8-C20							
214	>0.90	<4.50	2150919	1.01E+04		1/9/19	
Transformer Oil							
724	>2.2	<5.20	6343079	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	1047						
TPHDX (8-36)	1003						
Motor Oil (8-36	1390						

GC - 1											
Seq. Date	6/7/22				ICDSL.XLS						
Sample ID	1 S 66-	5 S 6	10 S 6	15 S 6	20 S 66-12						
Conc.	1	5	10	15	20						
.acostane	0	0	0	0	0						
Pentacosane	9459	44718	92724	133243	175490						
Terphenyl	11006	54059	113271	162489	213184						
Diesel C10-24	6965	5010	6036	8680	9103						
D-Ex C10-C36	35665	32209	33857	38048	39053						
Motor Oil	28700	27199	27821	29368	29950						
Heavy Oil	35665	32209	33857	34327	35329						
Jet A	6965	5010	6036	8680	9103						
Stoddard	21923	31562	30753	37040	36911						
Kerosene	28888	36572	36789	41999	42290						
Bunker C	8687	6021	7026	9811	10366						
R.F.										Average	$RSD
Triacostane	0	0	0	0	0					0.00E+00	####
Pentacosane	9459	8944	9272	8883	8775					9.07E+03	3%
Terphenyl	11006	10812	11327	10833	10659					1.09E+04	2%
Diesel C10-24	6965	1002	604	579	455					1.92E+03	147%
D-Ex C10-C36	35665	6442	3386	2537	1953					1.00E+04	145%
Motor Oil	28700	5440	2782	1958	1498					8.08E+03	144%
Heavy Oil	35665	6442	3386	2288	1766					9.91E+03	146%
Jet A	6965	1002	604	579	455					1.92E+03	147%
Stoddard	21923	6312	3075	2469	1846					7.13E+03	119%
Kerosene	28888	7314	3679	2800	2115					8.96E+03	126%
ıker C	8687	1204	703	654	518					2.35E+03	151%
Analyte	1	5	10	15	20	0	0	0			
Triacostane	#DIV/0!	######	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Pentacosane	1	5	10	15	19	0	0	0			
Terphenyl	1	5	10	15	20	0	0	0			
Diesel C10-24	-263	48	69	70	76	#DIV/0!	#DIV/0!	#DIV/0!			
D-Ex C10-C36	-257	36	66	75	80	#DIV/0!	#DIV/0!	#DIV/0!			
Motor Oil	-255	33	66	76	81	#DIV/0!	#DIV/0!	#DIV/0!			
Heavy Oil	-260	35	66	77	82	#DIV/0!	#DIV/0!	#DIV/0!			
Jet A	-263	48	69	70	76	#DIV/0!	#DIV/0!	#DIV/0!			
Stoddard	-208	11	57	65	74	#DIV/0!	#DIV/0!	#DIV/0!			
Kerosene	-222	18	59	69	76	#DIV/0!	#DIV/0!	#DIV/0!			
Bunker C	-269	49	70	72	78	#DIV/0!	#DIV/0!	#DIV/0!			

Calculated by:	JC 06-7-22		Reviewed by		6/8/22	
	Initials	Date/Time		Initials	Date/Time	
Update circled values	JC 06-7-22		Excel TPHD sheet Updated			
	Initials	Date/Time				



Data File Name : C:\HPCHEM\1\DATA\06-07-22\006F0301.D
Operator : TL
Instrument : GC1
Sample Name : 1 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:22 AM
Report Created on: 07 Jun 22 10:09 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

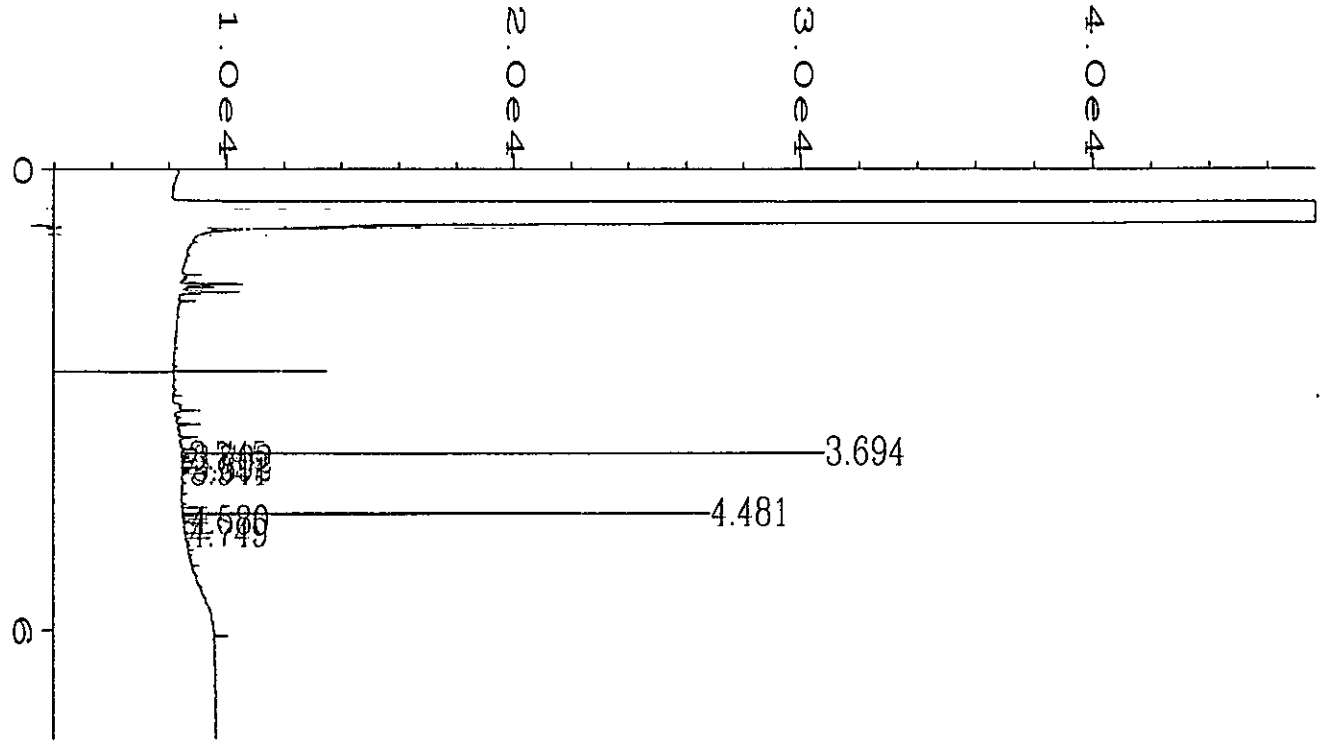
Data File Name : C:\HPCHEM\1\DATA\06-07-22\006F0301.D
Operator : TL
Instrument : GC1
Sample Name : 1 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:22 AM
Report Created on: 07 Jun 22 10:09 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\006F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14514E+009	1.00716E+008	PVA	0.189	99.9922
2	1.355	21923	2189	VVA	0.167	0.0019
3	3.862	17971	19727	PV +	0.000	0.0016
4	4.835	11181	15941	PV +	0.000	0.0010
5	5.805	26979	1046	VV +	0.000	0.0024
6	6.905	11163	214	VB +	0.000	0.0010

Total area = 1.14523E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\006R0301.D
Operator : TL
Instrument : GC1
Sample Name : 1 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:22 AM
Report Created on: 07 Jun 22 10:09 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\006R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.694	11006	23535	BV	0.008	50.7580
2	3.745	319	261	VV	0.018	1.4726
3	3.792	241	412	VV	0.012	1.1118
4	3.892	245	373	PV	0.013	1.1310
5	3.941	164	274	PV	0.010	0.7547
6	4.481	9459	19111	BV	0.008	43.6242
7	4.580	138	240	PV	0.009	0.6382
8	4.749	110	150	PBA	0.015	0.5096

Total area = 21682

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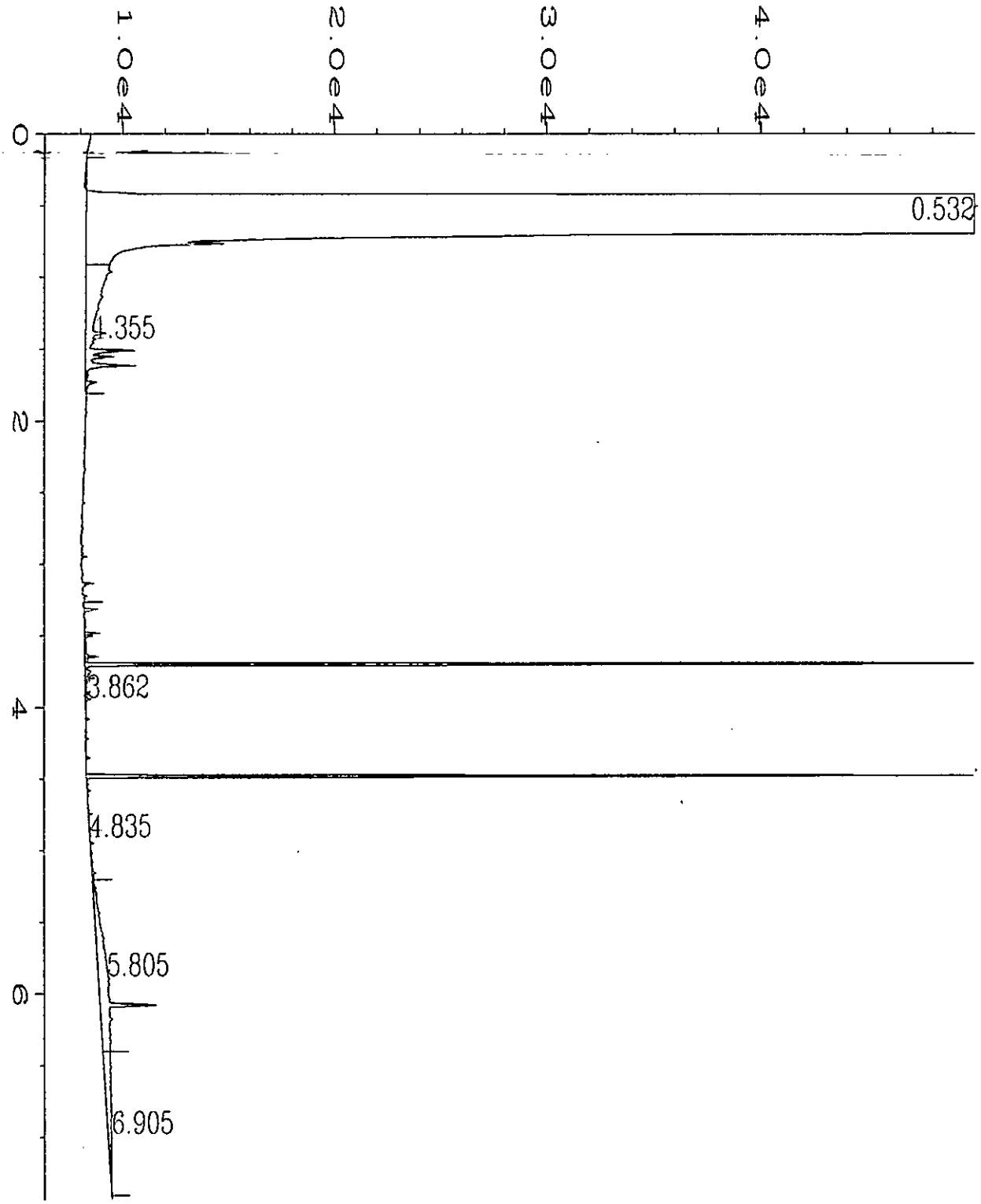
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\006F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 6			
Sample Name : 1 S 66-12				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on 6/7/22 7:22				Instrume DX.MTH			
Report Created on: 07 Jun 22 10:09 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
9	>4.4	<4.6	9459	1.09E+04		6/7/22	
o-Terphenyl							
10	>3.65	<3.75	11006	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1	>1.80	<4.29	6.97E+03	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
4	>1.80	<6.40	35665	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
5	>4.30	<6.40	28700	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	35665	7.42E+03		12/30/21	
C12-C24							
1	>1.80	<4.50	6965	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	21923	8.53E+03		4/18/17	
Kerosene C8-C20							
3	>0.90	<4.50	28888	1.01E+04		1/9/19	
Transformer Oil							
1	>2.2	<5.20	8687	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	4						
TPHDX (8-36)	4						
Motor Oil (8-36	6						



Data File Name	: C:\HPCHEM\1\DATA\06-07-22\007F0301.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 7
Sample Name	: 5 S 66-12	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 07 Jun 22 07:31 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Jun 22 10:09 AM	Analysis Method	: DX.MTH

Area Percent Report

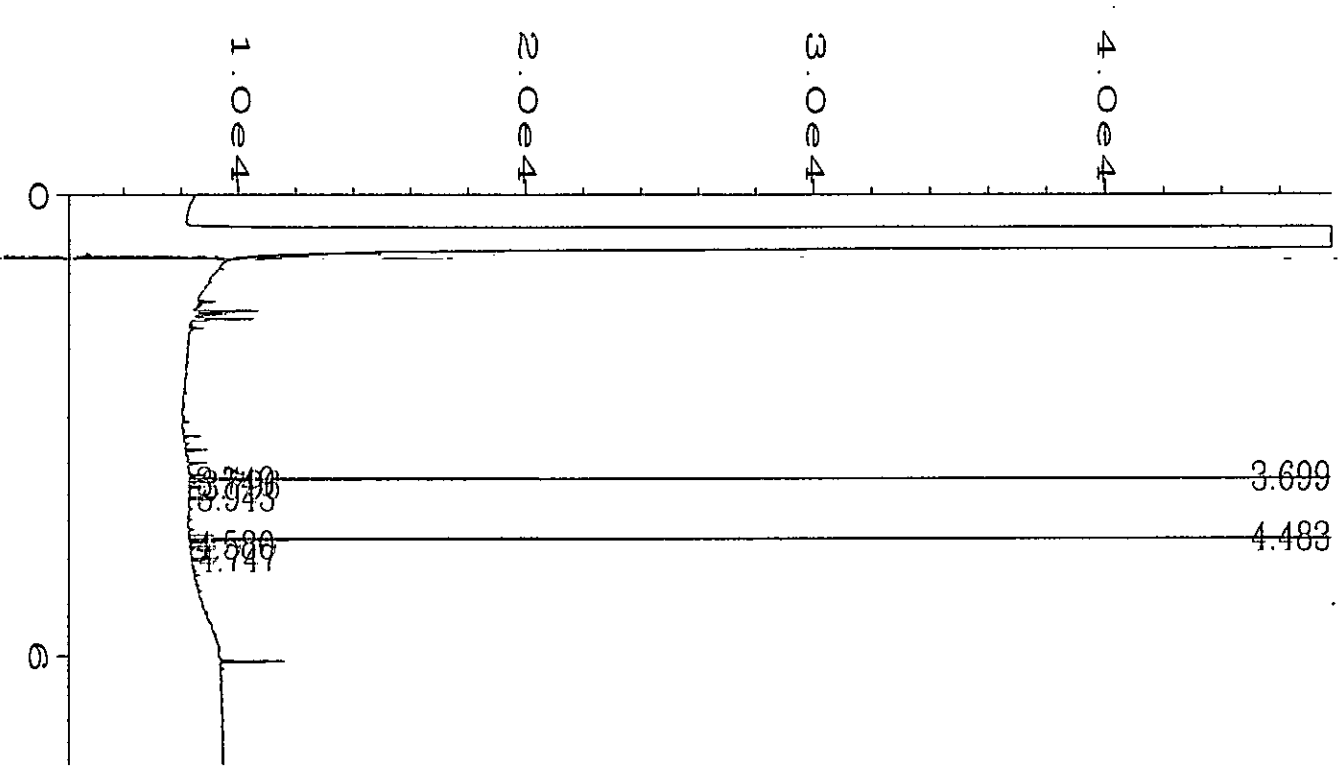
Data File Name : C:\HPCHEM\1\DATA\06-07-22\007F0301.D
Operator : TL
Instrument : GC1
Sample Name : 5 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:31 AM
Report Created on: 07 Jun 22 10:09 AM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\007F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15543E+009	1.02653E+008	PVA	0.188	99.9850
2	1.355	31562	2288	VVA	0.230	0.0027
3	3.862	59069	66397	PV +	0.000	0.0051
4	4.835	45729	77897	PV +	0.000	0.0040
5	5.805	26189	2750	VV +	0.000	0.0023
6	6.905	10639	204	VV +	0.000	0.0009

Total area = 1.1556E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\007R0301.D
Operator : TL
Instrument : GC1
Sample Name : 5 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:31 AM
Report Created on: 07 Jun 22 10:09 AM

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\007R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.699	54059	116624	PV	0.012	54.1825
2	3.749	388	227	VV	0.024	0.3891
3	3.796	238	459	VV	0.012	0.2385
4	3.943	135	243	PV	0.011	0.1357
5	4.483	44718	91012	BV	0.014	44.8199
6	4.580	105	187	BV	0.009	0.1056
7	4.747	128	230	PV	0.009	0.1288

Total area = 99773

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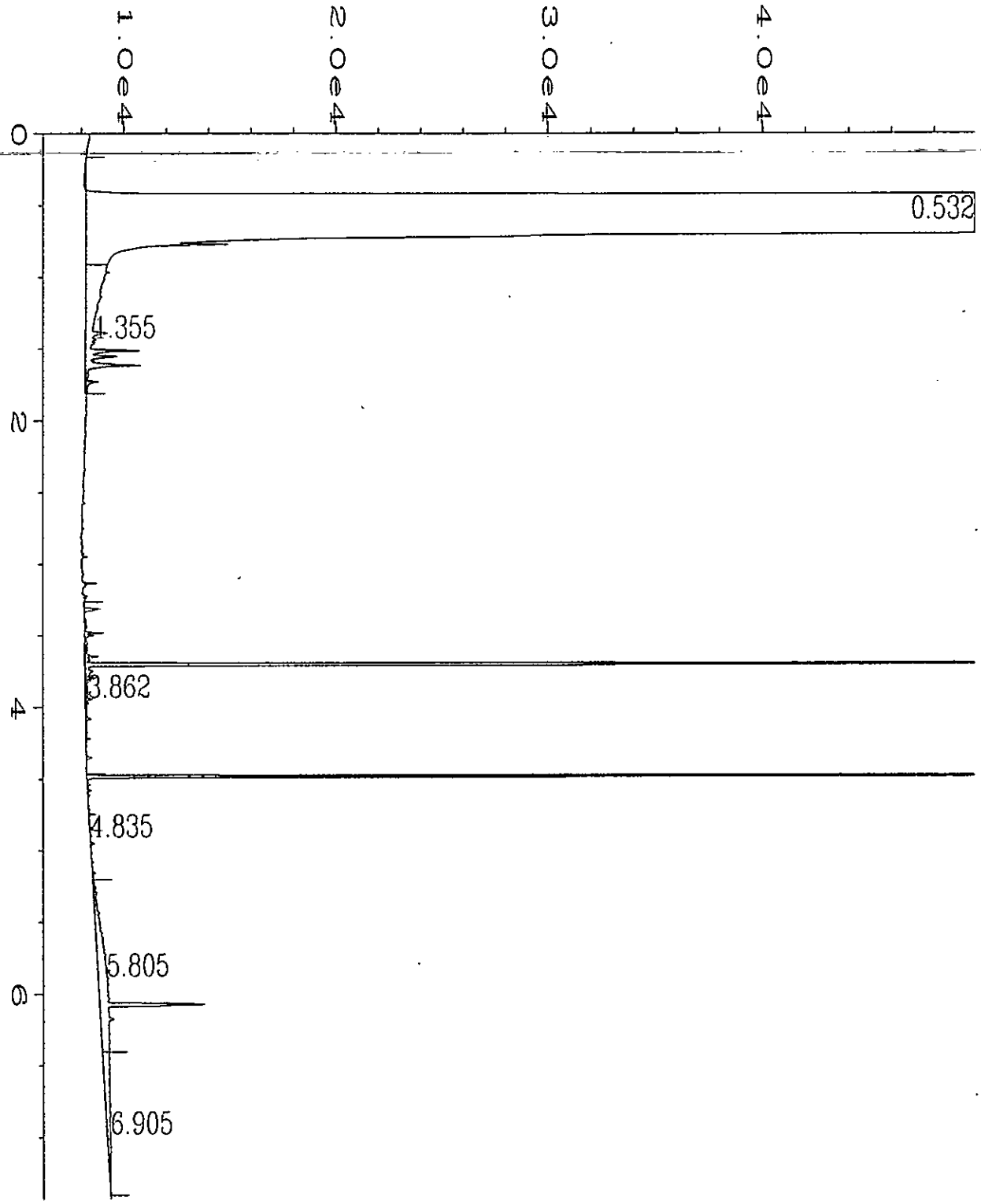
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\007F0301.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 7			
Sample Name : 5 S 66-12				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 3			
Acquired on 6/7/22 7:31				Instrume DX.MTH			
Report Created on: 07 Jun 22 10:09 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
41	>4.4	<4.6	44718	1.09E+04		6/7/22	
o-Terphenyl							
50	>3.65	<3.75	54059	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1	>1.80	<4.29	5.01E+03	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
4	>1.80	<6.40	32209	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
5	>4.30	<6.40	27199	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	32209	7.42E+03		12/30/21	
C12-C24							
1	>1.80	<4.50	5010	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	31562	8.53E+03		4/18/17	
Kerosene C8-C20							
4	>0.90	<4.50	36572	1.01E+04		1/9/19	
Transformer Oil							
1	>2.2	<5.20	6021	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	4						
TPHDX (8-36)	4						
Motor Oil (8-36	6						



Data File Name : C:\HPCHEM\1\DATA\06-07-22\008F0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:46 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

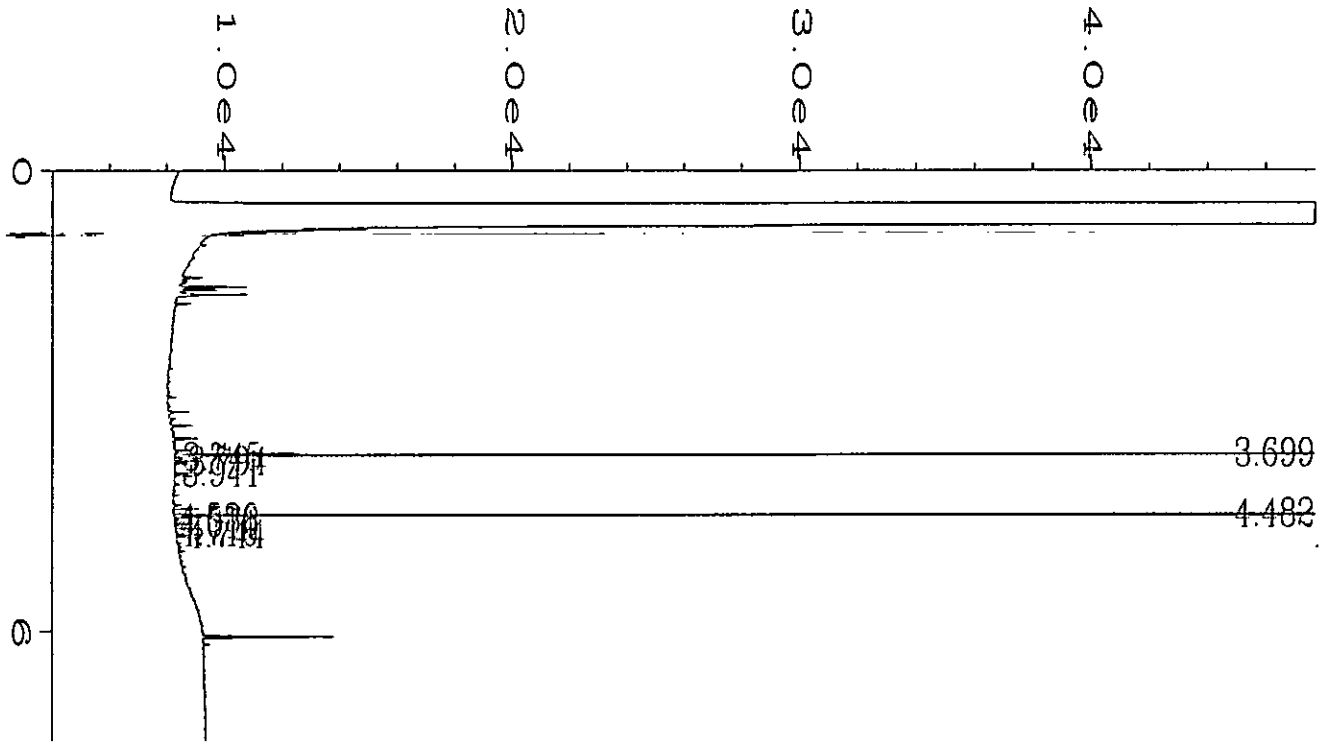
Data File Name : C:\HPCHEM\1\DATA\06-07-22\008F0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:46 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\008F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.19676E+009	1.05011E+008	PVA	0.190	99.9766
2	1.355	30753	2502	VVA	0.205	0.0026
3	3.862	119307	150736	PV +	0.000	0.0100
4	4.835	93714	165821	PV +	0.000	0.0078
5	5.805	26832	4589	VV +	0.000	0.0022
6	6.905	9418	192	VB +	0.000	0.0008

Total area = 1.19704E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\008R0301.D
Operator : TL
Instrument : GC1
Sample Name : 10 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 07:46 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\008R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.699	113271	246578	PV	0.012	54.5780
2	3.745	342	286	VV	0.018	0.1648
3	3.794	257	494	VV	0.009	0.1238
4	3.941	151	277	PV	0.009	0.0730
5	4.482	92724	186812	BV	0.013	44.6775
6	4.536	157	162	VV	0.018	0.0755
7	4.578	165	214	VV	0.013	0.0794
8	4.611	138	142	VV	0.016	0.0664
9	4.716	108	107	PV	0.015	0.0520
10	4.744	227	390	VV	0.010	0.1096

Total area = 207540

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Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\06-07-22\008F0301.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 8

Sample Name : 10 S 66-12 | Injection Number : 1

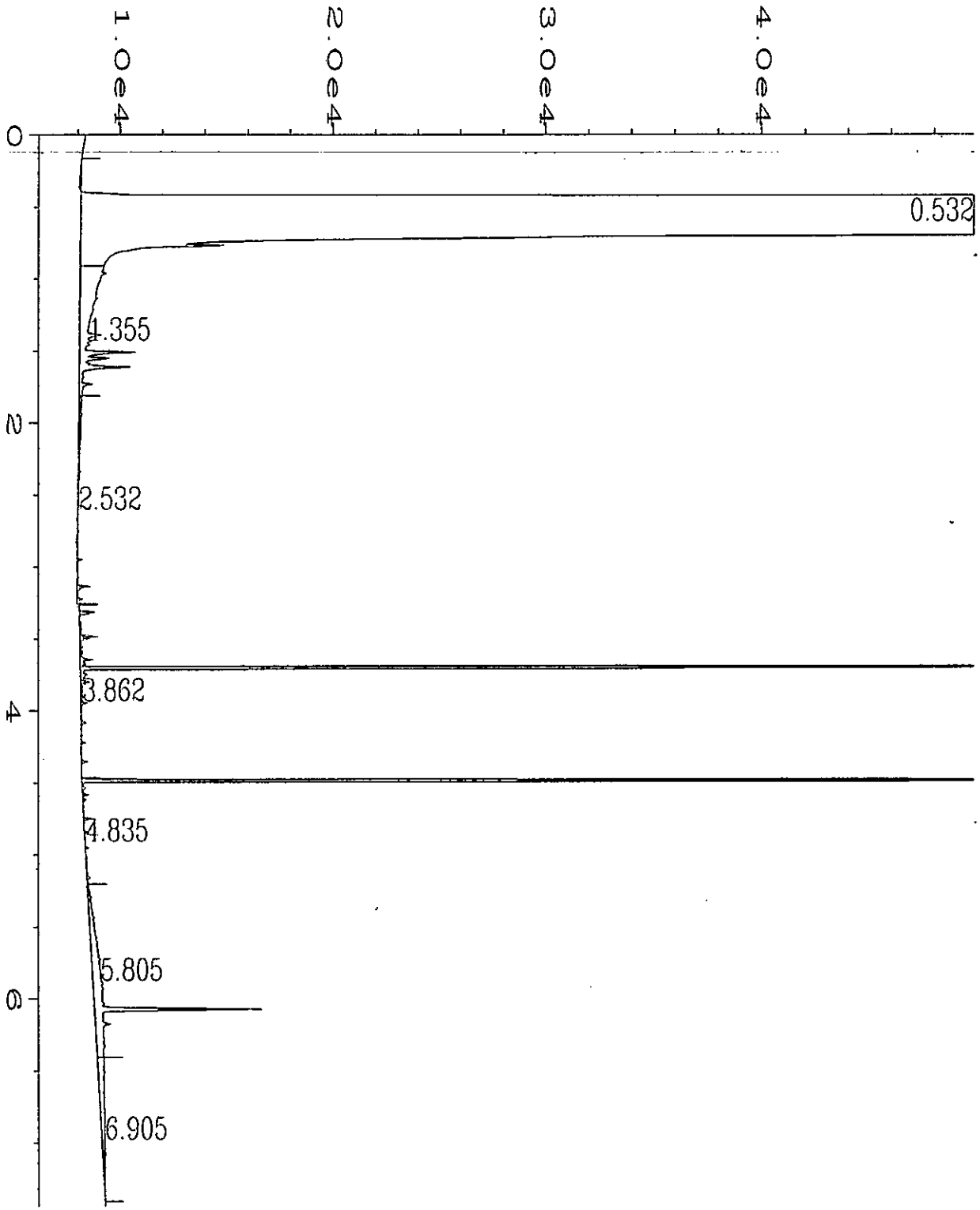
Run Time Bar Code: | Sequence Line : 3

Acquired on 6/7/22 7:46 | Instrume DX.MTH

Report Created on: 07 Jun 22 10:10 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
0	>5.3	<5.4	0	9.07E+03		6/7/22
Pentacosane						
85	>4.4	<4.6	92724	1.09E+04		6/7/22
o-Terphenyl						
104	>3.65	<3.75	113271	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
1	>1.80	<4.29	6.04E+03	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
4	>1.80	<6.40	33857	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
5	>4.30	<6.40	27821	5.83E+03		12/30/21
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	33857	7.42E+03		12/30/21
C12-C24						
1	>1.80	<4.50	6036	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
4	>0.90	<3.08	30753	8.53E+03		4/18/17
Kerosene C8-C20						
4	>0.90	<4.50	36789	1.01E+04		1/9/19
Transformer Oil						
1	>2.2	<5.20	7026	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	4
TPHD (8-36)	4
TPHDX (8-36)	4
Motor Oil (8-36	6



Data File Name : C:\HPCHEM\1\DATA\06-07-22\009F0301.D
Operator : TL
Instrument : GC1
Sample Name : 15 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 08:00 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

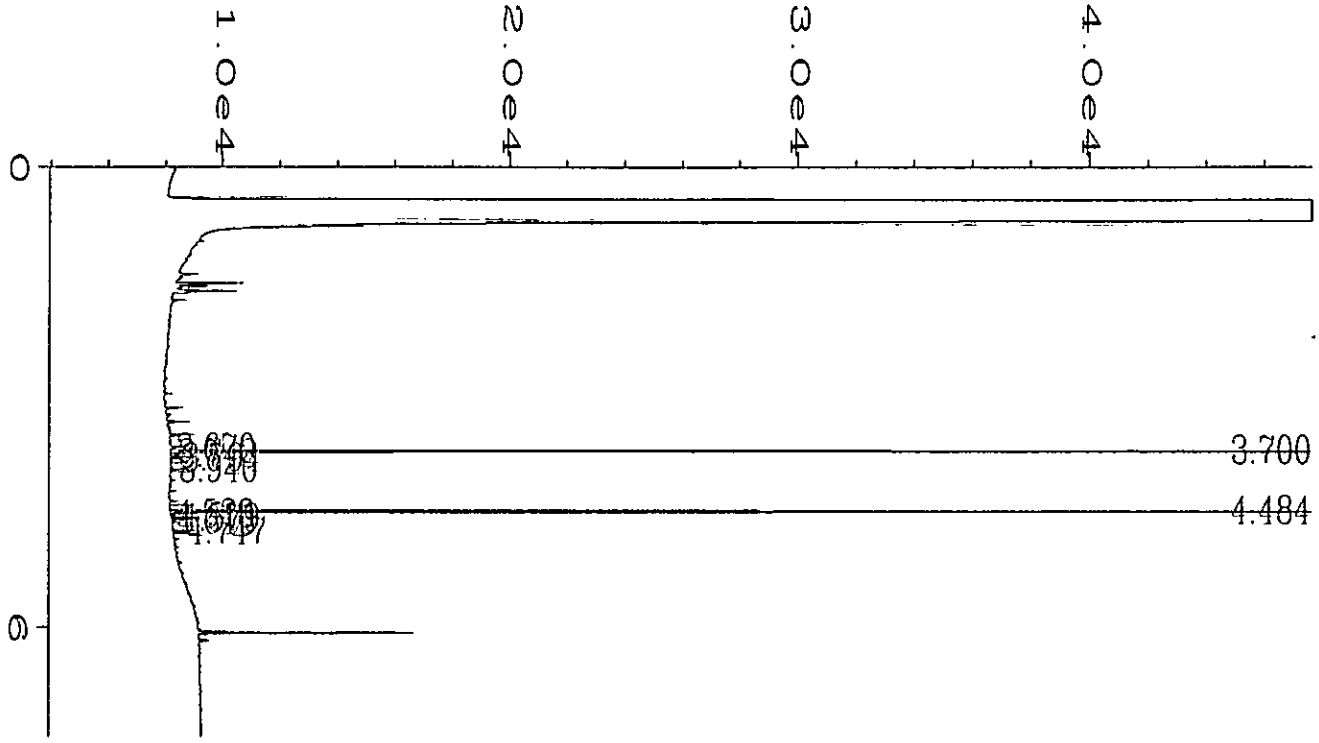
Data File Name : C:\HPCHEM\1\DATA\06-07-22\009F0301.D
Operator : TL
Instrument : GC1
Sample Name : 15 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 08:00 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\009F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15779E+009	1.02262E+008	PVA	0.189	99.9675
2	1.355	33319	2410	VVA	0.230	0.0029
3	2.532	3721	460	VB +	0.000	0.0003
4	3.862	167448	240057	BV +	0.000	0.0145
5	4.835	134374	189484	PV +	0.000	0.0116
6	5.805	28238	7365	VV +	0.000	0.0024
7	6.905	9466	183	VV +	0.000	0.0008

Total area = 1.15817E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\009R0301.D
Operator : TL
Instrument : GC1
Sample Name : 15 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 08:00 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\009R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.670	144	169	BV	0.014	0.0486
2	3.700	162489	342411	PV	0.013	54.6344
3	3.743	294	256	VV	0.017	0.0989
4	3.794	282	438	VB	0.011	0.0949
5	3.940	157	301	VV	0.011	0.0527
6	4.484	133243	262343	BV	0.016	44.8007
7	4.528	200	156	VV	0.018	0.0673
8	4.579	191	320	VV	0.012	0.0642
9	4.613	128	178	VV	0.013	0.0429
10	4.747	284	516	PV	0.009	0.0954

Total area = 297412

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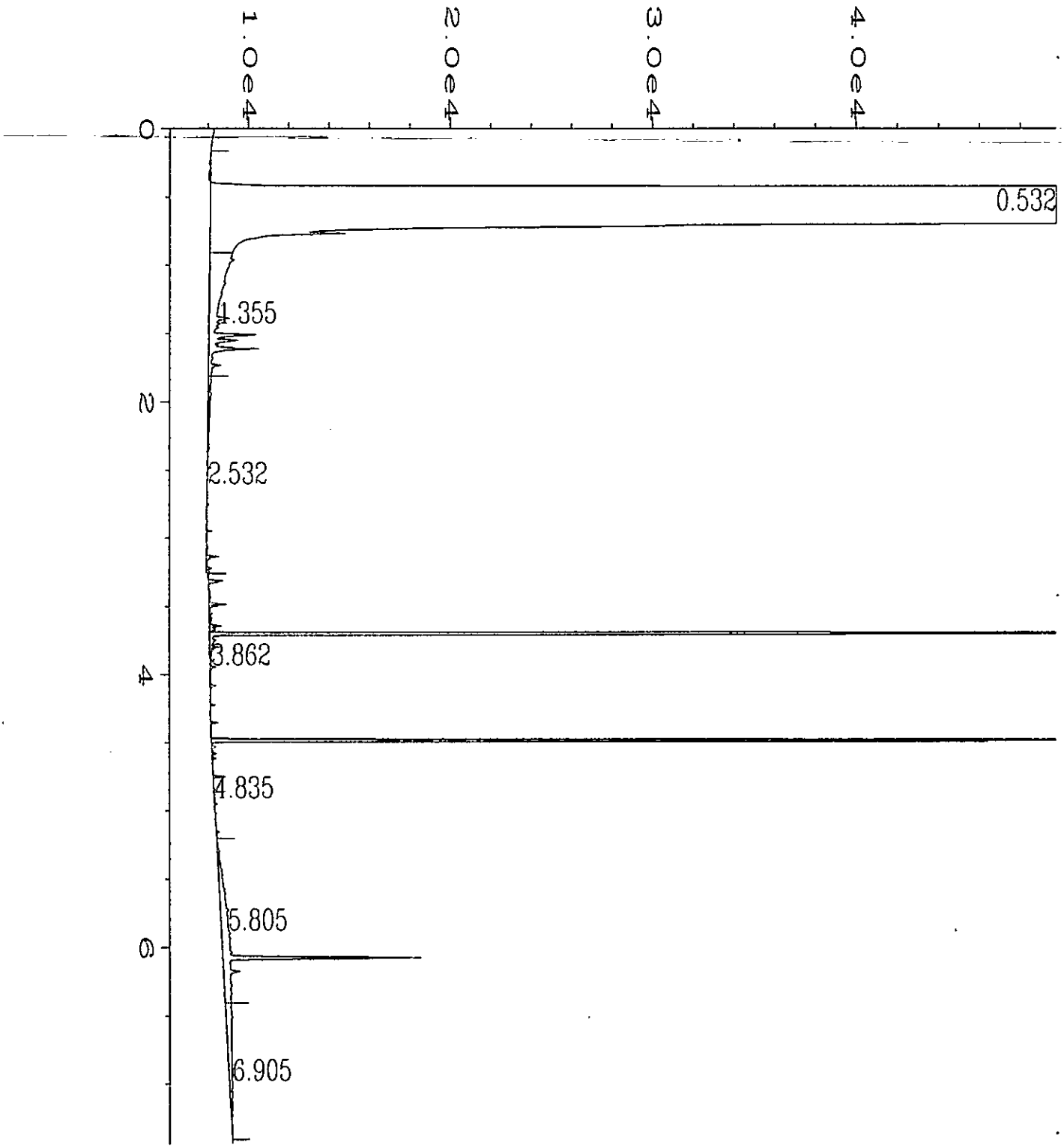
Last modified 06-07-2022 TL			TPHDSL.XLS			
Data File Name : C:\HPCHEM\1\DATA\06-07-22\009F0301.D						
Operator : TL				Page Number	: 1	
Instrument : GC1				Vial Number	: 9	
Sample Name : 15 S 66-12				Injection Number	: 1	
Run-Time Bar Code:				Sequence Line	: 3	
Acquired on	6/7/22	8:00		Instrume	DX:MTH	
Report Created on: 07 Jun 22 10:10 AM				Analysis Method	: DX.MTH	
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane					Calibrated	
0	>5.3	<5.4	0	9.07E+03	6/7/22	
Pentacosane						
122	>4.4	<4.6	133243	1.09E+04	6/7/22	
o-Terphenyl						
149	>3.65	<3.75	162489	1.09E+04	5/31/22	
Results			Area	Resp. factor	Calibrated	
Diesel, start C10 - start C25						
1	>1.80	<4.29	8.68E+03	8.59E+03	1/19/22	
NWTPH-DX, start C10 - end C36						
4	>1.80	<6.40	38048	8.97E+03	1/19/22	
Motor Oil, start C25 - end C36						
5	>4.30	<6.40	29368	5.83E+03	12/30/21	
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	34327	7.42E+03	12/30/21	
C12-C24						
1	>1.80	<4.50	8680	6.37E+03	6/22/11	
Stoddard, start C8 - end C11						
4	>0.90	<3.08	37040	8.53E+03	4/18/17	
Kerosene C8-C20						
4	>0.90	<4.50	41999	1.01E+04	1/9/19	
Transformer Oil						
1	>2.2	<5.20	9811	8.76E+03	3/24/21	
Calibration Info:						
Stoddard (8-11)	4					
TPHD (8-36)	4					
TPHDX (8-36)	4					
Motor Oil (8-36	6					



Data File Name : C:\HPCHEM\1\DATA\06-07-22\010F0301.D
Operator : TL
Instrument : GC1
Sample Name : 20 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 08:15 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

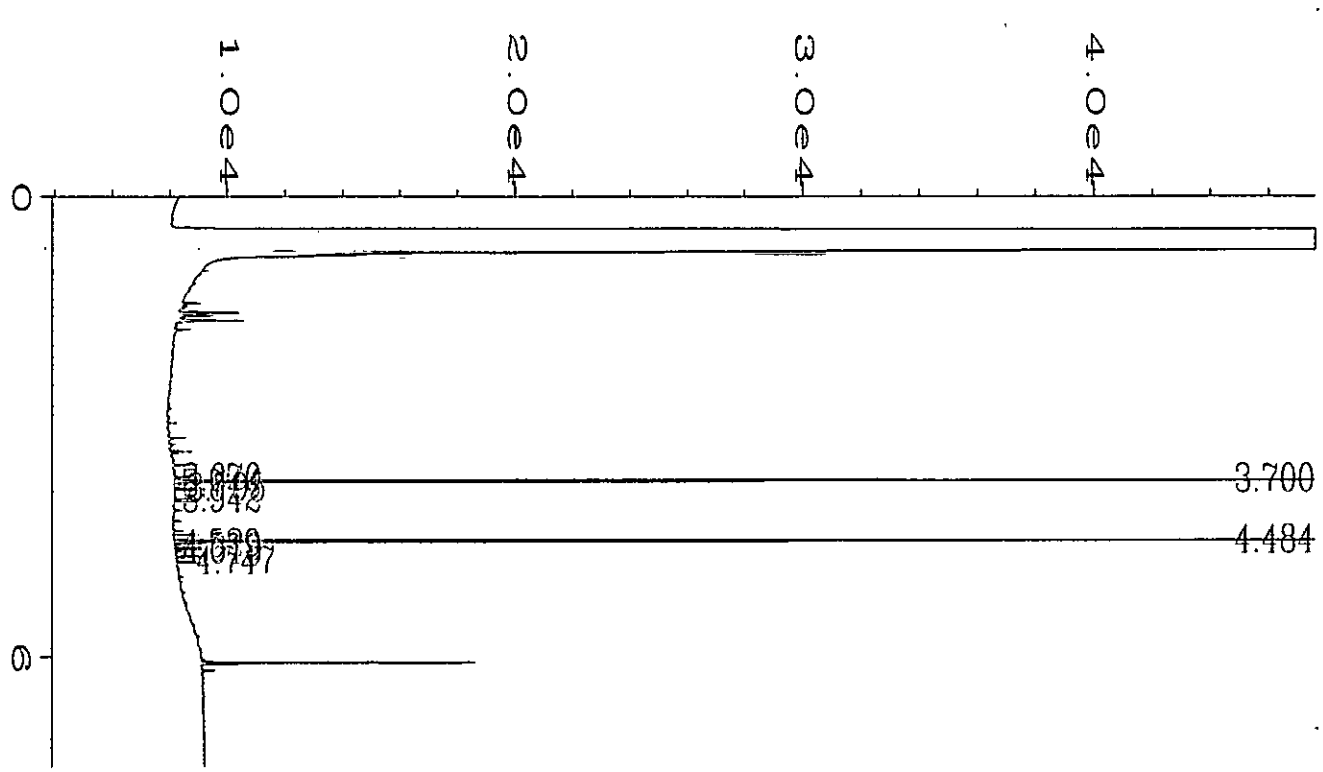
Data File Name : C:\HPCHEM\1\DATA\06-07-22\010F0301.D
Operator : TL
Instrument : GC1
Sample Name : 20 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 08:15 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\06-07-22\010F0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.17251E+009	1.03153E+008	PVA	0.189	99.9599
2	1.355	33187	2294	VVA	0.241	0.0028
3	2.532	3724	449	VB +	0.000	0.0003
4	3.862	218563	319715	BV +	0.000	0.0186
5	4.835	176753	263938	PV +	0.000	0.0151
6	5.805	28688	9302	VV +	0.000	0.0024
7	6.905	9089	178	VV +	0.000	0.0008

Total area = 1.17298E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\06-07-22\010R0301.D
Operator : TL
Instrument : GC1
Sample Name : 20 S 66-12
Run Time Bar Code:
Acquired on : 07 Jun 22 08:15 AM
Report Created on: 07 Jun 22 10:10 AM

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\06-07-22\010R0301.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.670	214	232	BV	0.015	0.0547
2	3.700	213184	436845	PV	0.008	54.5741
3	3.744	392	241	VV	0.027	0.1003
4	3.795	244	439	VV	0.012	0.0625
5	3.942	142	263	VV	0.011	0.0362
6	4.484	175490	322634	BV	0.015	44.9246
7	4.529	249	212	VV	0.017	0.0637
8	4.579	164	241	VV	0.011	0.0420
9	4.613	193	230	VV	0.012	0.0495
10	4.747	360	670	BV	0.009	0.0923

Total area = 390632

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Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\06-07-22\010F0301.D							
Operator : TL				Page Number		: 1	
Instrument : GC1				Vial Number		: 10	
Sample Name : 20 S 66-12				Injection Number		: 1	
Run Time Bar Code:				Sequence Line		: 3	
Acquired on	6/7/22	8:15		Instrume	DX.MTH		
Report Created on: 07 Jun 22 10:10 AM				Analysis Method		: DX.MTH	
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.3	<5.4	0	9.07E+03		6/7/22	
Pentacosane							
161	>4.4	<4.6	175490	1.09E+04		6/7/22	
o-Terphenyl							
196	>3.65	<3.75	213184	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1	>1.80	<4.29	9.10E+03	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
4	>1.80	<6.40	39053	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
5	>4.30	<6.40	29950	5.83E+03		12/30/21	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	35329	7.42E+03		12/30/21	
C12-C24							
1	>1.80	<4.50	9103	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
4	>0.90	<3.08	36911	8.53E+03		4/18/17	
Kerosene C8-C20							
4	>0.90	<4.50	42290	1.01E+04		1/9/19	
Transformer Oil							
1	>2.2	<5.20	10366	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	4						
TPHD (8-36)	4						
TPHDX (8-36)	4						
Motor Oil (8-36	6						

NWTPH-Dx
MDLs

MDL Data and Calculations

(Analyst: Do not enter anything in this worksheet. See instructions.)

Analysis:	NWTPH-Dx/8015M	Standard(s) spiked:	1000ppm Dx 62-142B, 63-79E, 64-13F, 65-27E
Matrix:	water	Volume spiked:	25 uL
Instrument ID:	GC#1	Date(s) Extracted:	3/10/2021, 03/11, 06/08, 06/09, 09/09, 09/13, 12/09, 12/10
Reporting Units:	ug/L	Date(s) Analyzed:	3/11/2021, 03/15, 06/10, 06/11,09/14, 12/10, 12/13
		Date Calculated:	3/15/2021, 03/16, 06/10, 06/14, 09/15, 12/13, 12/14
		Calculation Analyst:	TL, MG

Analyte	(StdDev*2.998) **MDL**	(2*MDL) **PQL**	(5*MDL) **PQL**	**Std Dev**	**Mean**	**Spike Level**	**% Rec.**	**Reporting Limit**	**RL Check vs. 2*MDL**
Diesel	5.33	10.7	26.7	1.78	22.6	25	91	50	OK
Diesel extended	29.0	58.0	145.0	9.67	40.6	25	162	250	OK

MDL Data and Calculations

(Analyst: Do not enter anything in this worksheet. See instructions.)

Analysis:	NWTPH-Dx/8015M	Standard(s) spiked:	1000ppm MO 64-148B
Matrix:	water	Volume spiked:	100 uL
Instrument ID:	GC#1	Date(s) Extracted:	10/6/2021, 12/09, 12/10, 12/13, 12/29, 01/03/2022
Reporting Units:	ug/L	Date(s) Analyzed:	10/8/2021, 12/10, 12/13, 12/14, 12/30, 01/04/2022
		Date Calculated:	10/11/2021, 12/13, 12/14, 12/15, 01/03/2022, 01/05
		Calculation Analyst:	MG

Analyte	(StdDev*2.998 **MDL**	(2*MDL) **PQL**	(5*MDL) **PQL**	**Std Dev**	**Mean**	**Spike Level**	**% Rec.**	**Reporting Limit**	**RL Check vs. 2*MDL**
Motor Oil	36.8	73.5	184	12.3	100	100	100	250	OK
Heavy Oil	36.2	72.4	181	12.1	97	100	97	250	OK

NWTPH-Dx
Sequence Tables

Sequence: C:\HPCHEM\1\SEQUENCE\08-17-22.SEQ

AWB 8/18

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1		BAKEOUT	1	1	1
	2		DX	2	3	1
	3		DX	96	97	1
	4		DX	6	11	1
	5		DX	81	81	1
	6		DX	12	12	1
	7		DX	82	82	1
	8		DX	13	18	1
	9		DX	4	5	1
	10		DX	19	29	1
	11		DX	2	3	1
	12		END	1	1	1
REAR						
	1					

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	MeCl2			
2	500 MO 67-56B			
3	500 Dx 66-186F			
4	1000 MO 67-1F			
5	1000 Dx 66-186E			
6	02-1996 mb2			
7	208228-01 1/10			
8	02-2001 mb			
9	02-2001 lcs			
10	208235-01 ms			
11	208235-01 md			
12	208235-01			
13	208235-02			
14	208235-03			
15	208235-04			
16	208235-05			
17	208235-06			
18	208235-07			
19	208241-01			
20	208242-01			
21	208242-02			
22	208242-03			
23	208242-04			
24	02-2002 mb			
25	02-2002 lcs			
26	02-2002 lcsd			
27	208236-01			
28	208236-02			
29	208236-04			
81	208215-03			
82	208240-01			
90	500 TO 66-166D			
91	1000 TO 66-166E			

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
92	500 MO 67-56B			
93	500 Dx 66-186F			
94	1000 MO 67-1F			
95	1000 Dx 66-186E			
96	HCIDs G/M 64-85A			
97	HCIDs Dx 64.13E			
98	HCIDw G/M 64-86A			
99	HCIDw Dx 64.13D			
100	WADF RT 60-106B			

Sequence: C:\HPCHEM\1\SEQUENCE\08-18-22.SEQ

AMB 8/19

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1		BAKEOUT	1	1	1
	2		DX	2	3	1
	3		DX	6	23	1
	4		DX	4	5	1
	5		DX	24	32	1
	6		DX	2	3	1
	7		DX	33	44	1
	8		DX	4	5	1
	9		DX	45	55	1
	10		DX	2	3	1
	11		DX	56	68	1
	12		DX	4	5	1
	13		END	1	1	1
REAR						
	1					

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	MeCl2			
2	500 MO 67-56B			
3	500 Dx 66-186F			
4	1000 MO 67-1F			
5	1000 Dx 66-186E			
6	02-2004 mb			
7	02-2004 lcs			
8	208246-05 ms			
9	208246-05 md			
10	208246-05			
11	208246-06			
12	208267-01			
13	208267-02			
14	208269-01			
15	208269-02			
16	208269-03			
17	208269-04			
18	208269-05			
19	208270-01			
20	208270-02			
21	208271-01			
22	208271-02			
23	208271-03			
24	02-2008 mb			
25	02-2008 lcs			
26	208181-01 ms			
27	208181-01 md			
28	208181-01			
29	208181-02			
30	208181-03			
31	208181-05			
32	208181-06			

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
33	02-2005 mb			
34	02-2005 lcs			
35	02-2005 lcsd			
36	208245-09			
37	208245-10			
38	208245-11			
39	208245-12			
40	208245-13			
41	208245-14			
42	208245-15			
43	208245-16			
44	208245-18			
45	208245-20			
46	208245-22			
47	208245-24			
48	208245-26			
49	208245-28			
50	208245-30			
51	208245-32			
52	208245-34			
53	208245-37			
54	208245-39			
55	208245-41			
56	02-2002 mb2			
57	208252-01			
58	208252-02			
59	208252-03			
60	208252-04			
61	208252-05			
62	208252-06			
63	208252-07			
64	208257-01			
65	208257-02			
66	208257-03			
67	208257-04			
68	208257-05			
90	500 TO 66-166D			
91	1000 TO 66-166E			
92	500 MO 67-56B			
93	500 Dx 66-186F			
94	1000 MO 67-1F			
95	1000 Dx 66-186E			
96	HCIDs G/M 64-85A			
97	HCIDs Dx 64.13E			
98	HCIDw G/M 64-86A			
99	HCIDw Dx 64.13D			
100	WADF RT 60-106B			

NWTPH-Dx
Checklists

Diesel Summary Checklist for GC 1 Date 8-17-22

Day of Analysis/Morning Checklist		CCVs (Check if passed)		
☑	Check/Fill rinse vials and solvent	CCV 1	☑ mo	☑ dx
☐	Same Day Rush samples processed	CCV 2	☑ mo	☐ dx
☑	QA 1 Processed 2002 ☐ QA 2 Processed ____	CCV 3	~~☐ mo~~	~~☐ dx~~
☐	QA 3 Processed ____ ☐ QA 4 Processed ____	CCV 4	☐ mo	☐ dx
☑	Pull/Check Vials	CCV 5	☐ mo	☐ dx
Y / N	Did all Surrogates pass	CCV 6	☐ mo	☐ dx

Data Processing		Data Review	
Y / N	Were all CCVs within 12 hours	Y / N	Reintegrations calculated correctly
☑	Reintegrations marked and done	Y / N	Excel Sheet Filled out correctly
☑	Cgrams printed	Y / N	Headers Correct
☑	Excel Sheet filled out	Y / N	Correct Matrix/Units
☑	Macro Run	Y / N	Was EDD info added
☑	Part Reports finished/Ready for Review	Y / N	Was QC calculated correctly

Samples to be Reanalyzed	Samples to be Reanalyzed

Date/Time Finished Processing Data Pack 8-18-22@11

Date/Time Finished Reviewing Data Pack 8/18/22

Diesel Summary Checklist for GC 1 Date 8.18.22

Day of Analysis/Morning Checklist

- ☑ Check/Fill rinse vials and solvent
- ☑ Same Day Rush samples processed
- ☑ QA 1 Processed 2004 ☐ QA 2 Processed ____
- ☐ QA 3 Processed ____ ☐ QA 4 Processed ____
- ☐ Pull/Check Vials
- Y / N Did all Surrogates pass

CCVs

(Check if passed)

CCV 1	☑ mo	☑ dx	8-18-22
CCV 2	☐ mo	☐ dx	
CCV 3	☑ mo	☑ dx	
CCV 4	☑ mo	☑ dx	
CCV 5	☑ mo	☑ dx	
CCV 6	☑ mo	☑ dx	

Data Processing

- (Y) / N Were all CCVs within 12 hours
- ☑ Reintegrations marked and done
- ☑ Cgrams printed
- ☑ Excel Sheet filled out
- ☑ Macro Run
- ☑ Part Reports finished/Ready for Review

Data Review

- Y / N Reintegrations calculated correctly
- Y / N Excel Sheet Filled out correctly
- Y / N Headers Correct
- Y / N Correct Matrix/Units
- Y / N Was EDD info added
- Y / N Was QC calculated correctly

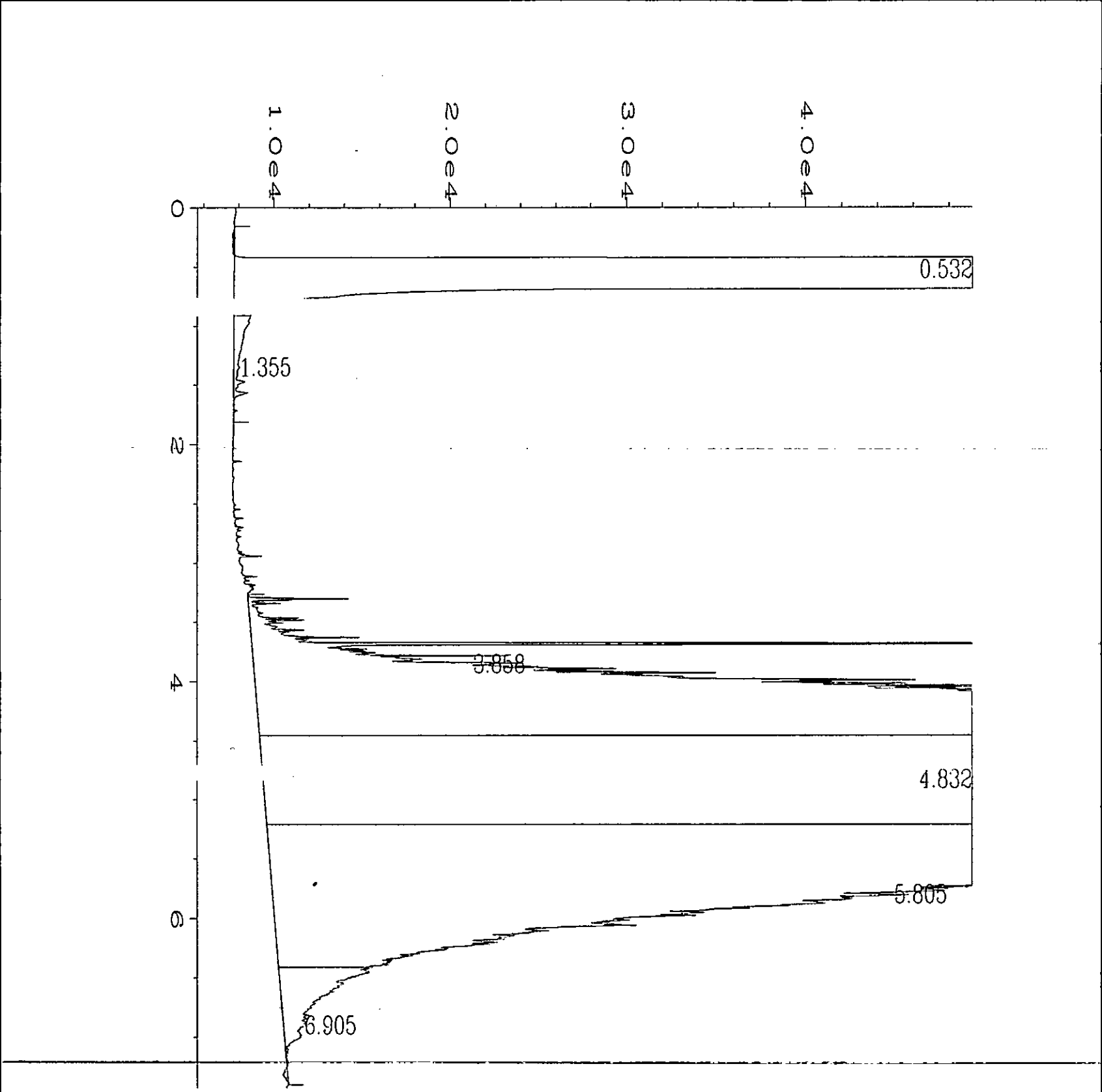
Samples to be Reanalyzed

Samples to be Reanalyzed

Date/Time Finished Processing Data Pack ____

Date/Time Finished Reviewing Data Pack 8/19

NWTPH-Dx
CCVs



Data File Name	: C:\HPCHEM\1\DATA\08-17-22\004F0901.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 4
Sample Name	: 1000 MO 67-1F	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 9
Acquired on	: 17 Aug 22 12:58 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Aug 22 01:07 PM	Analysis Method	: DX.MTH

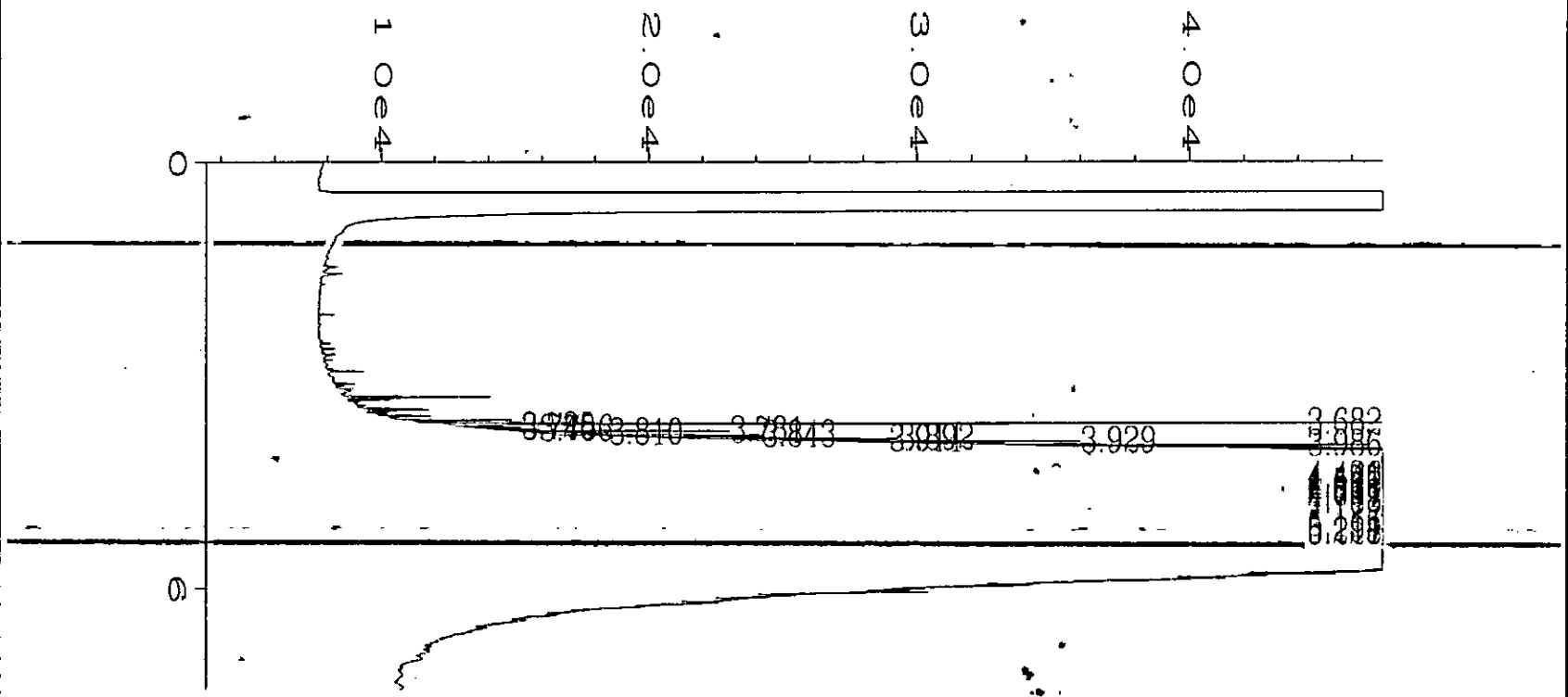
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08-17-22\004F0901.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 17 Aug 22 12:58 PM
Report Created on: 17 Aug 22 01:07 PM
Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\004F0901.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14068E+009	9.90319E+007	PVA	0.192	99.1606
2	1.355	18215	956	VVA	0.318	0.0016
3	3.858	2341901	217520	VV +	0.000	0.2036
4	4.832	4543175	289108	VVA	0.262	0.3949
5	5.805	2669594	79498	VVA	0.560	0.2321
6	6.905	83491	4893	VB +	0.000	0.0073

Total area = 1.15033E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\004R0901.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 17 Aug 22 12:58 PM
Report Created on: 17 Aug 22 01:07 PM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\004R0901.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	121033	249095	BV	0.012	17.5287
2	3.725	1190	2005	PV	0.011	0.1723
3	3.740	737	1455	PV	0.008	0.1068
4	3.756	893	1679	VV	0.009	0.1294
5	3.781	3942	8289	PV	0.008	0.5709
6	3.810	3029	2416	VV	0.021	0.4387
7	3.843	5845	5951	PV	0.017	0.8465
8	3.892	7661	6657	VV	0.017	1.1095
9	3.911	1800	4355	VV	0.007	0.2607
10	3.929	4045	9325	PV	0.007	0.5859
11	3.986	15836	12479	VBA	0.019	2.2934
12	4.426	1767	10388	BV	0.003	0.2560
13	4.441	7779	10454	VV	0.012	1.1266
14	4.477	146622	242679	PV	0.010	21.2346
15	4.522	53286	53861	VV	0.017	7.7171
16	4.565	29511	25785	VV	0.019	4.2740
17	4.575	30947	26081	VV	0.020	4.4819
18	4.621	37035	31183	VV	0.017	5.3636
19	4.654	61663	57130	VV	0.015	8.9304
20	4.687	19963	24219	VV	0.014	2.8912

21	4.701	26862	21612	VV	0.021	3.8902
22	4.745	24656	14869	VV	0.025	3.5709
23	4.788	40931	40179	VBA	0.016	5.9278
24	5.115	13302	8105	PV	0.027	1.9265
25	5.154	8672	10096	PV	0.013	1.2559
26	5.191	13957	20673	VV	0.011	2.0213
27	5.213	1376	3577	VV	0.006	0.1992
28	5.228	6145	7545	VV	0.014	0.8900

Total area = 690486

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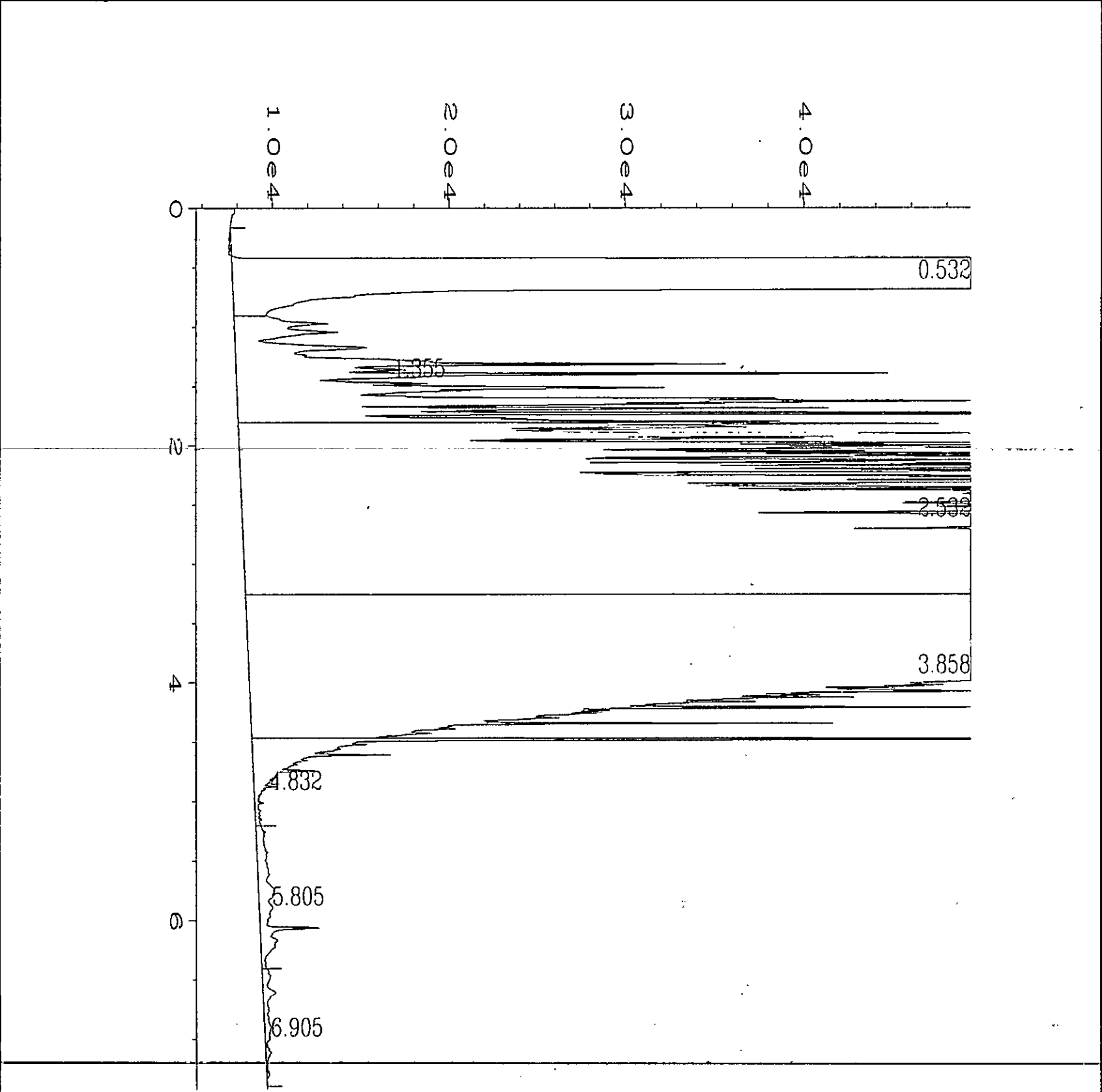
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\004F0901.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 4			
Sample Name : 1000 MO 67-1F				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 9			
Acquired on	8/17/22	12:58		Instrume	DX.MTH		
Report Created on: 17 Aug 22 01:07 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
15	>5.1	<5.2	13957	9.07E+03		6/7/22	
Pentacosane							
135	>4.45	<4.6	146622	1.09E+04		6/7/22	
o-Terphenyl							
111	>3.65	<3.75	121033	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
258	>1.80	<4.43	2.22E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
1034	>1.80	<6.40	9273058	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
1090	>4.44	<6.40	7052190	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	9273058	7.42E+03		12/30/21	
C12-C24							
348	>1.80	<4.50	2220868	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
2	>0.90	<3.08	18215	8.53E+03		4/18/17	
Kerosene C8-C20							
222	>0.90	<4.50	2239083	1.01E+04		1/9/19	
Transformer Oil							
755	>2.2	<5.20	6617421	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	2						
TPHD (8-36)	1079						
TPHDX (8-36)	1034						
Motor Oil (8-36	1433						



Data File Name : C:\HPCHEM\1\DATA\08-17-22\005F0901.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 17 Aug 22 01:07 PM
Report Created on: 17 Aug 22 01:45 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

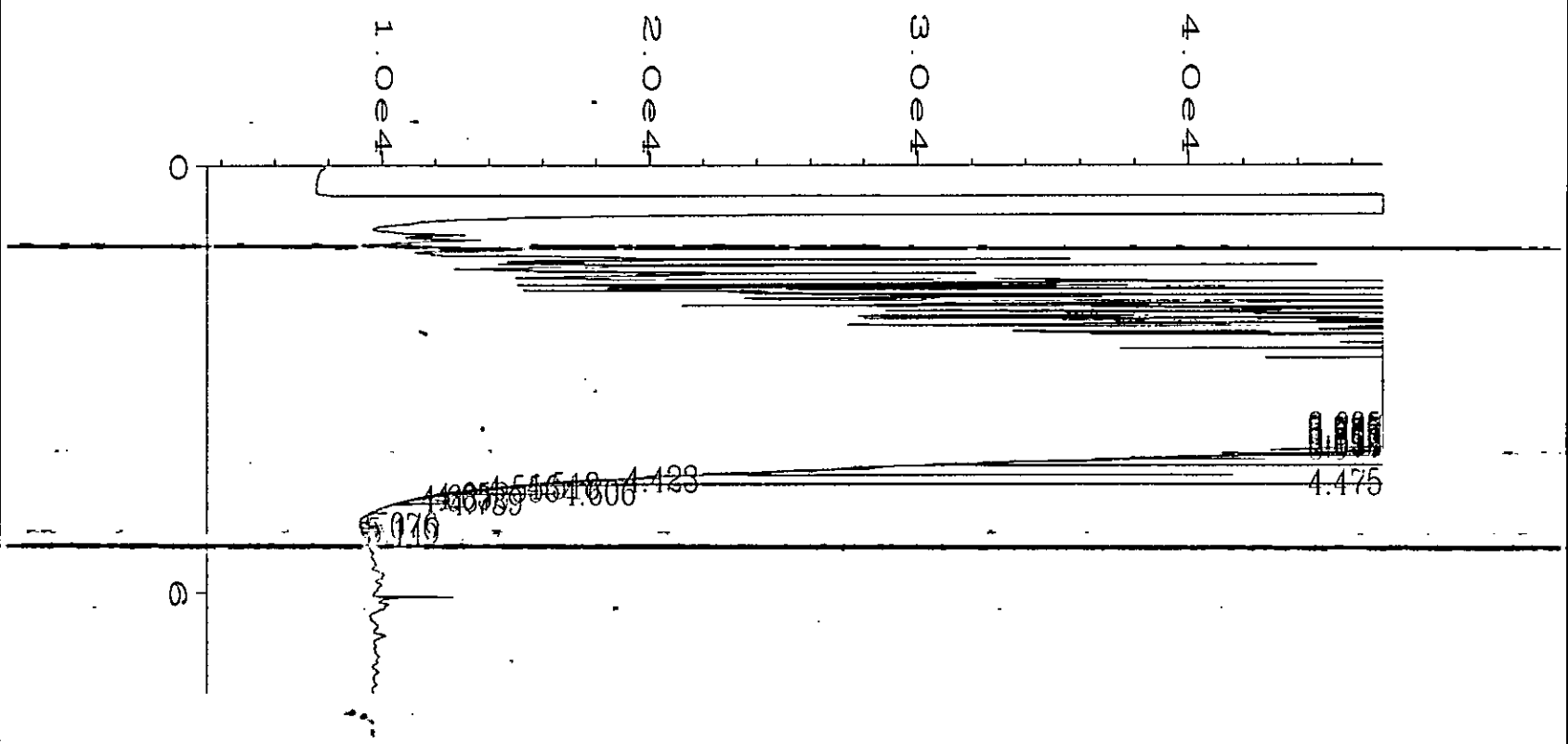
Data File Name : C:\HPCHEM\1\DATA\08-17-22\005F0901.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 17 Aug 22 01:07 PM
Report Created on: 17 Aug 22 01:45 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\005F0901.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.11243E+009	9.7992E+007	PV +	0.000	99.0646
2	1.355	639479	103575	VV +	0.000	0.0569
3	2.532	5329888	254434	VV +	0.000	0.4746
4	3.858	4281483	237781	VVA	0.300	0.3813
5	4.832	195191	201306	VV +	0.000	0.0174
6	5.805	42690	3348	VV +	0.000	0.0038
7	6.905	14884	622	VB +	0.000	0.0013

Total area = 1.12294E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\005R0901.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 17 Aug 22 01:07 PM
Report Created on: 17 Aug 22 01:45 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\005R0901.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.685	116236	238049	BV	0.008	24.9519
2	3.727	14102	18435	PV	0.014	3.0273
3	3.745	3582	6019	VV	0.010	0.7689
4	3.759	13307	22535	VV	0.011	2.8566
5	3.785	63553	135756	VV	0.008	13.6426
6	3.814	6459	8273	VV	0.013	1.3865
7	3.845	18671	12515	PV	0.020	4.0081
8	3.899	17393	19425	VV	0.013	3.7336
9	3.912	4529	7927	VV	0.010	0.9722
10	3.933	77188	116105	VV	0.012	16.5696
11	3.977	8962	10670	VBA	0.013	1.9238
12	4.423	1712	1775	BV	0.014	0.3675
13	4.475	113297	220898	PV	0.014	24.3211
14	4.518	798	1194	PV	0.011	0.1712
15	4.556	866	644	VV	0.020	0.1858
16	4.606	2809	4870	PV	0.012	0.6030
17	4.652	489	561	PV	0.015	0.1049
18	4.687	443	409	VV	0.018	0.0951
19	4.739	1137	2163	PV	0.014	0.2441
20	5.076	187	166	BV	0.018	0.0402

21	5.149	121	175	VV	0.013	0.0260

Total area = 465839

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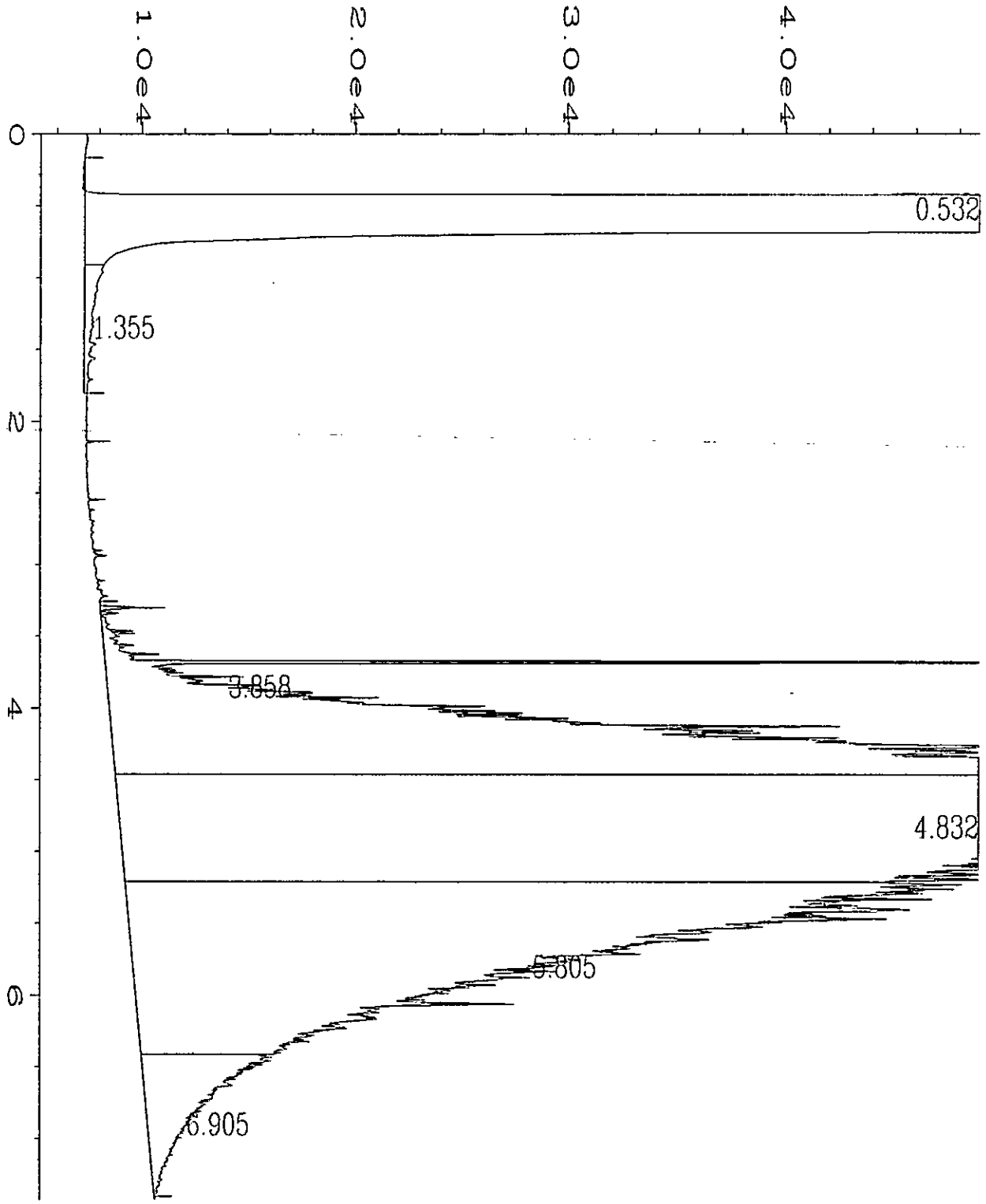
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\005F0901.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 5			
Sample Name : 1000 Dx 66-186E				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 9			
Acquired on	8/17/22	13:07		Instrume	DX.MTH		
Report Created on: 17-Aug-22 01:45 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	121	9.07E+03		6/7/22	
Pentacosane							
104	>4.45	<4.6	113297	1.09E+04		6/7/22	
o-Terphenyl							
106	>3.65	<3.75	116236	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1105	>1.80	<4.43	9.50E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
1072	>1.80	<6.40	9619598	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
19	>4.44	<6.40	124463	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	4289710	7.42E+03		12/30/21	
C12-C24							
1490	>1.80	<4.50	9495135	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
700	>0.90	<3.08	5969367	8.53E+03		4/18/17	
Kerosene C8-C20							
1007	>0.90	<4.50	10134614	1.01E+04		1/9/19	
Transformer Oil							
1093	>2.2	<5.20	9577029	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	700						
TPHD (8-36)	499						
TPHDX (8-36)	478						
Motor Oil (8-36	663						



Data File Name	: C:\HPCHEM\1\DATA\08-17-22\002F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 2
Sample Name	: 500 MO 67-56B	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 17 Aug 22 04:31 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Aug 22 05:04 PM	Analysis Method	: DX.MTH

Area Percent Report

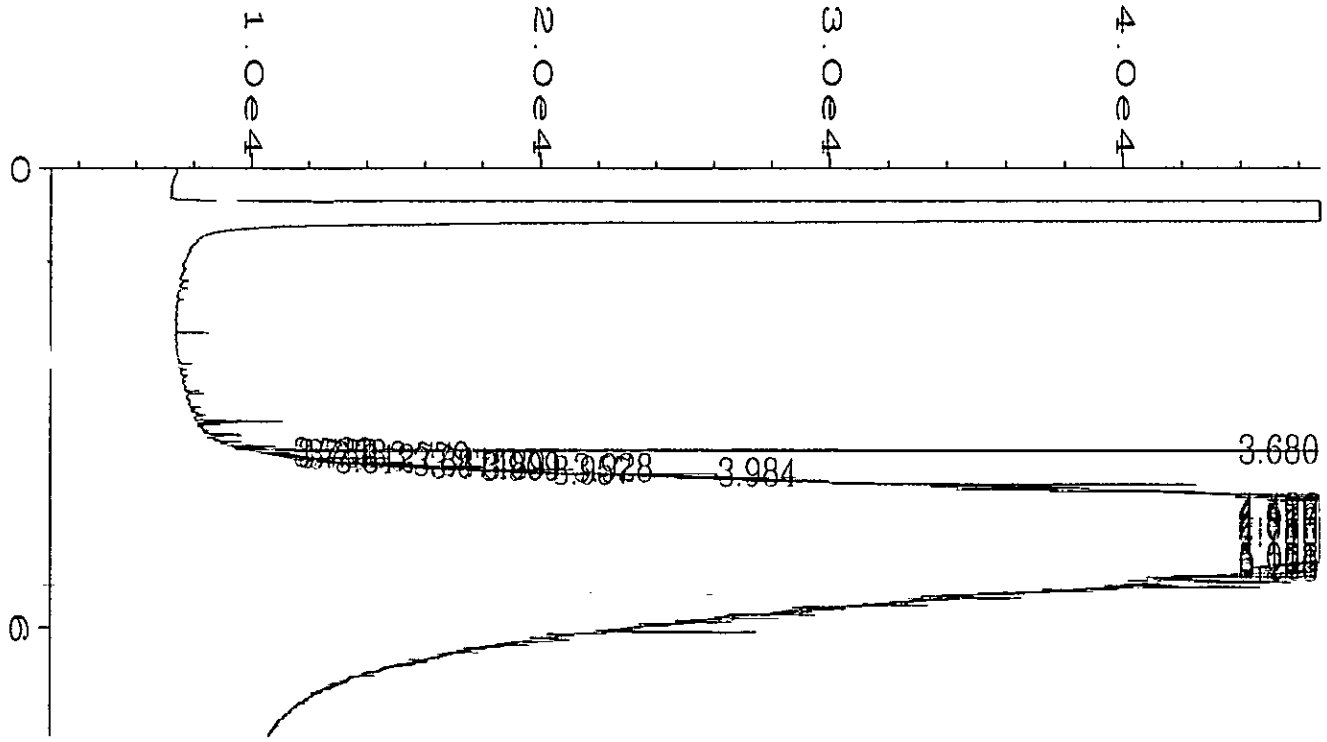
Data File Name : C:\HPCHEM\1\DATA\08-17-22\002F1101.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 17 Aug 22 04:31 PM
Report Created on: 17 Aug 22 05:04 PM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\002F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.09529E+009	9.65845E+007	PVA	0.189	99.5440
2	1.355	21329	935	VB +	0.000	0.0019
3	3.858	1213237	189578	PVA	0.107	0.1103
4	4.832	2215471	218677	VVA	0.169	0.2014
5	5.805	1437957	37956	VVA	0.631	0.1307
6	6.905	129143	5861	VB +	0.000	0.0117

Total area = 1.1003E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\002R1101.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 17 Aug 22 04:31 PM
Report Created on: 17 Aug 22 05:04 PM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\002R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.680	117172	251172	BV	0.008	25.2292
2	3.723	605	881	VV	0.011	0.1302
3	3.738	451	909	VV	0.008	0.0970
4	3.753	409	986	VV	0.007	0.0880
5	3.779	1787	3707	PV	0.008	0.3847
6	3.812	1485	1054	VV	0.021	0.3197
7	3.841	2973	2901	PV	0.015	0.6401
8	3.874	1531	1981	VV	0.012	0.3296
9	3.891	2928	3004	VV	0.016	0.6304
10	3.909	1110	2143	VV	0.009	0.2391
11	3.928	2160	4532	PV	0.008	0.4650
12	3.957	1294	1591	PV	0.014	0.2786
13	3.984	6662	5724	VBA	0.018	1.4345
14	4.436	2935	3698	VV	0.013	0.6321
15	4.473	119723	218287	PV	0.009	25.7786
16	4.499	3758	6326	VV	0.010	0.8092
17	4.517	26392	27423	VV	0.016	5.6827
18	4.570	29804	15340	VV	0.025	6.4174
19	4.616	26099	16141	VV	0.023	5.6196
20	4.650	28585	26381	VV	0.017	6.1548

21	4.686	23960	13462	VV	0.026	5.1590
22	4.748	16894	9669	VV	0.027	3.6375
23	4.783	27263	24752	VBA	0.018	5.8702
24	5.082	272	573	BV	0.008	0.0585
25	5.098	1253	2853	PV	0.007	0.2697
26	5.115	4217	4481	VV	0.016	0.9081
27	5.151	3625	3972	VV	0.015	0.7806
28	5.170	297	670	PV	0.007	0.0641
29	5.188	5266	8786	VV	0.010	1.1339
30	5.223	3521	3899	PV	0.016	0.7580

Total area = 464428

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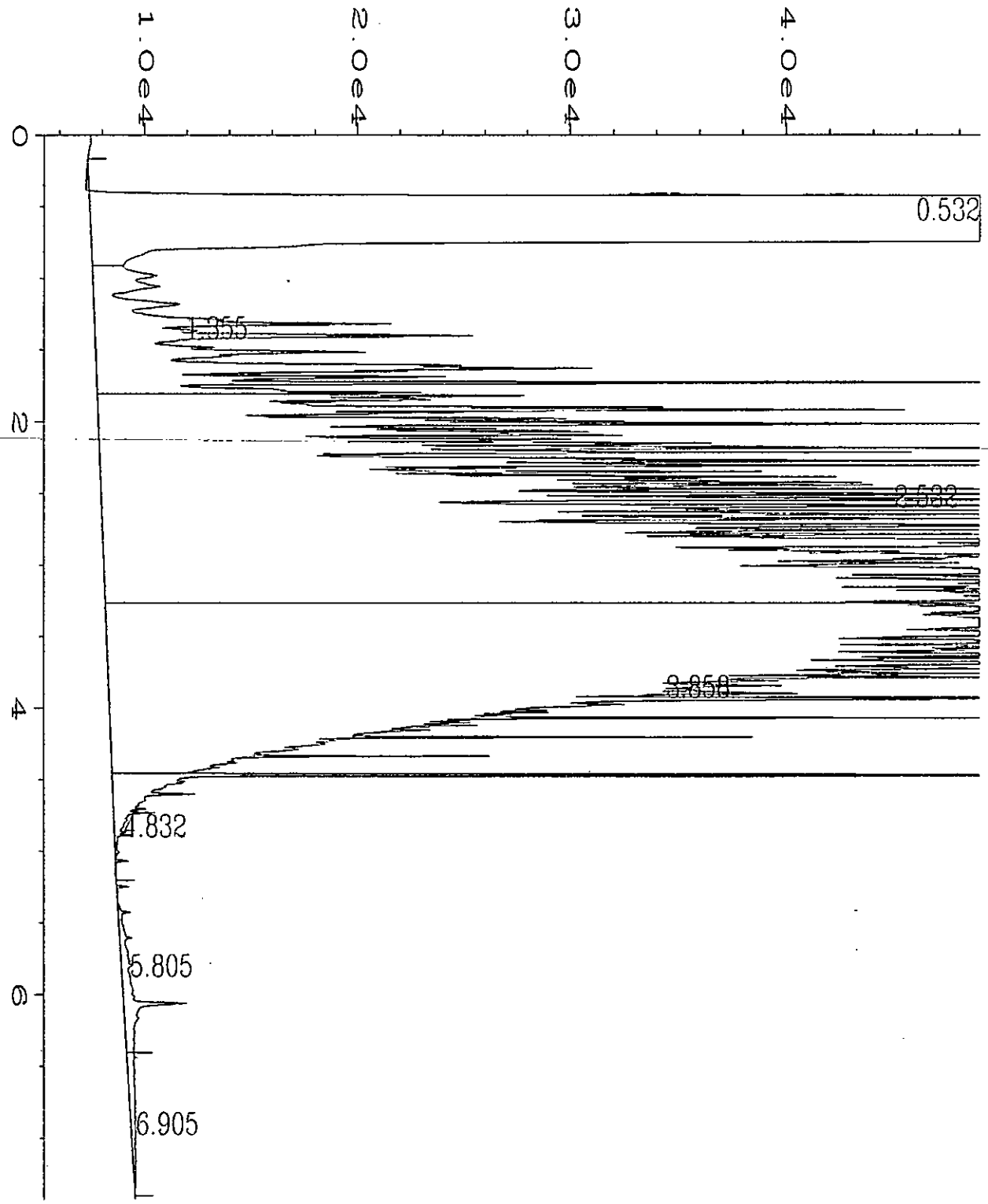
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\002F1101.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 2			
Sample Name : 500 MO 67-56B				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 11			
Acquired on	8/17/22	16:31		Instrume	DX.MTH		
Report Created on: 17 Aug 22 05:04 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
6	>5.1	<5.2	5266	9.07E+03		6/7/22	
Pentacosane							
110	>4.45	<4.6	119723	1.09E+04		6/7/22	
o-Terphenyl							
107	>3.65	<3.75	117172	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
128	>1.80	<4.43	1.10E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
516	>1.80	<6.40	4624504	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
545	>4.44	<6.40	3528439	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	4624504	7.42E+03		12/30/21	
C12-C24							
172	>1.80	<4.50	1096065	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	21329	8.53E+03		4/18/17	
Kerosene C8-C20							
111	>0.90	<4.50	1117394	1.01E+04		1/9/19	
Transformer Oil							
364	>2.2	<5.20	3191813	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	538						
TPHDX (8-36)	516						
Motor Oil (8-36	714						



Data File Name	: C:\HPCHEM\1\DATA\08-17-22\003F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 3
Sample Name	: 500 Dx 66-186F	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 17 Aug 22 05:05 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Aug 22 05:30 PM	Analysis Method	: DX.MTH

Area Percent Report

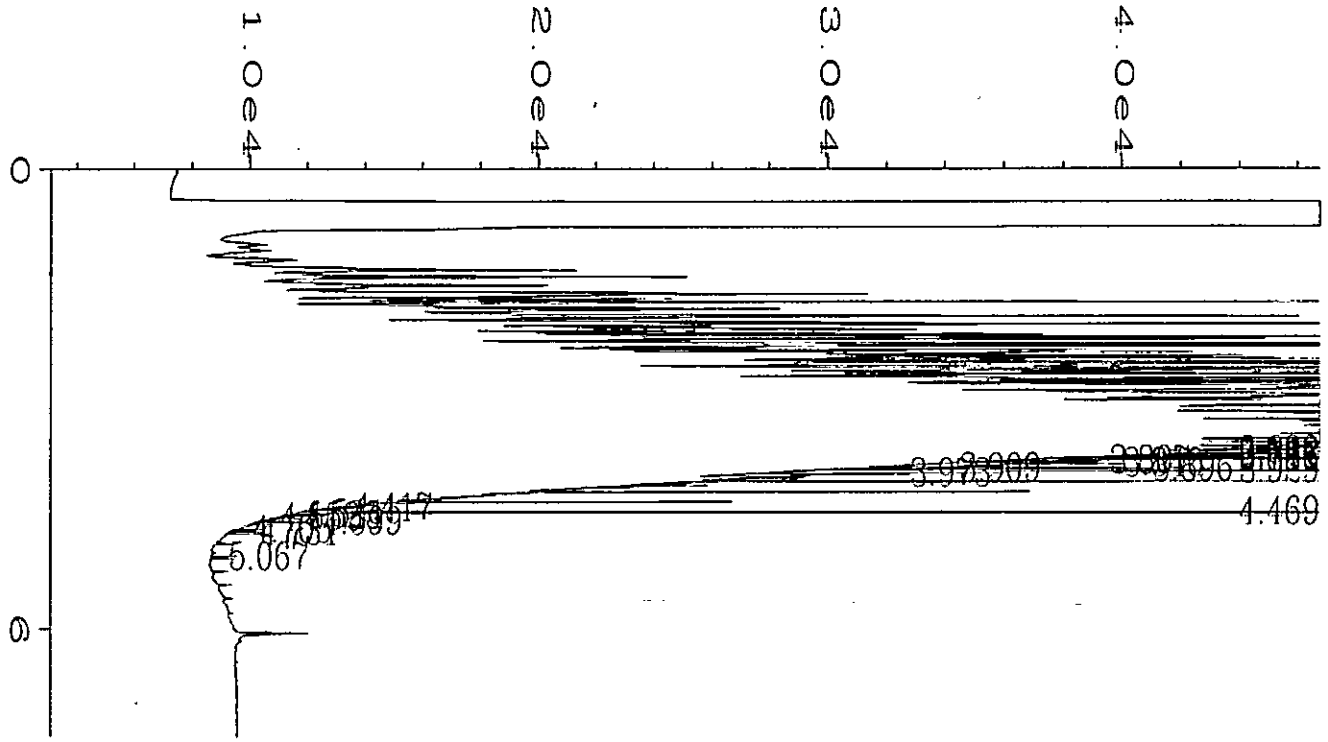
Data File Name : C:\HPCHEM\1\DATA\08-17-22\003F1101.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 66-186F
Run Time Bar Code:
Acquired on : 17 Aug 22 05:05 PM
Report Created on: 17 Aug 22 05:30 PM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\003F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15026E+009	9.75447E+007	PVA	0.197	99.5118
2	1.355	344517	63203	VV +	0.000	0.0298
3	2.532	2821813	146210	VVA	0.322	0.2441
4	3.858	2285312	251574	VV +	0.000	0.1977
5	4.832	153693	196500	VV +	0.000	0.0133
6	5.805	27009	2913	PV +	0.000	0.0023
7	6.905	11113	232	VB +	0.000	0.0010

Total area = 1.1559E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\003R1101.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 66-186F
Run Time Bar Code:
Acquired on : 17 Aug 22 05:05 PM
Report Created on: 17 Aug 22 05:30 PM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\003R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	117992	247105	BV	0.012	32.6664
2	3.712	1845	4067	PV	0.008	0.5109
3	3.723	5350	9592	VV	0.009	1.4813
4	3.741	2840	4636	VV	0.010	0.7863
5	3.756	6896	11444	VV	0.010	1.9093
6	3.781	34477	71108	PV	0.008	9.5452
7	3.807	3023	4296	VV	0.012	0.8369
8	3.840	10360	6560	PV	0.024	2.8683
9	3.896	9345	10518	VV	0.014	2.5873
10	3.909	2450	4507	VV	0.009	0.6783
11	3.929	42061	57402	VV	0.013	11.6447
12	3.973	6041	5960	VBA	0.015	1.6724
13	4.417	891	854	BV	0.015	0.2466
14	4.469	113447	221809	PV	0.013	31.4082
15	4.511	503	736	VV	0.011	0.1393
16	4.525	494	825	VV	0.010	0.1367
17	4.552	312	324	VV	0.016	0.0864
18	4.599	1394	2390	PV	0.013	0.3860
19	4.705	408	716	VV	0.010	0.1130
20	4.731	692	1255	PV	0.009	0.1916

21	5.067	379	641	BV	0.010	0.1050

Total area = 361202

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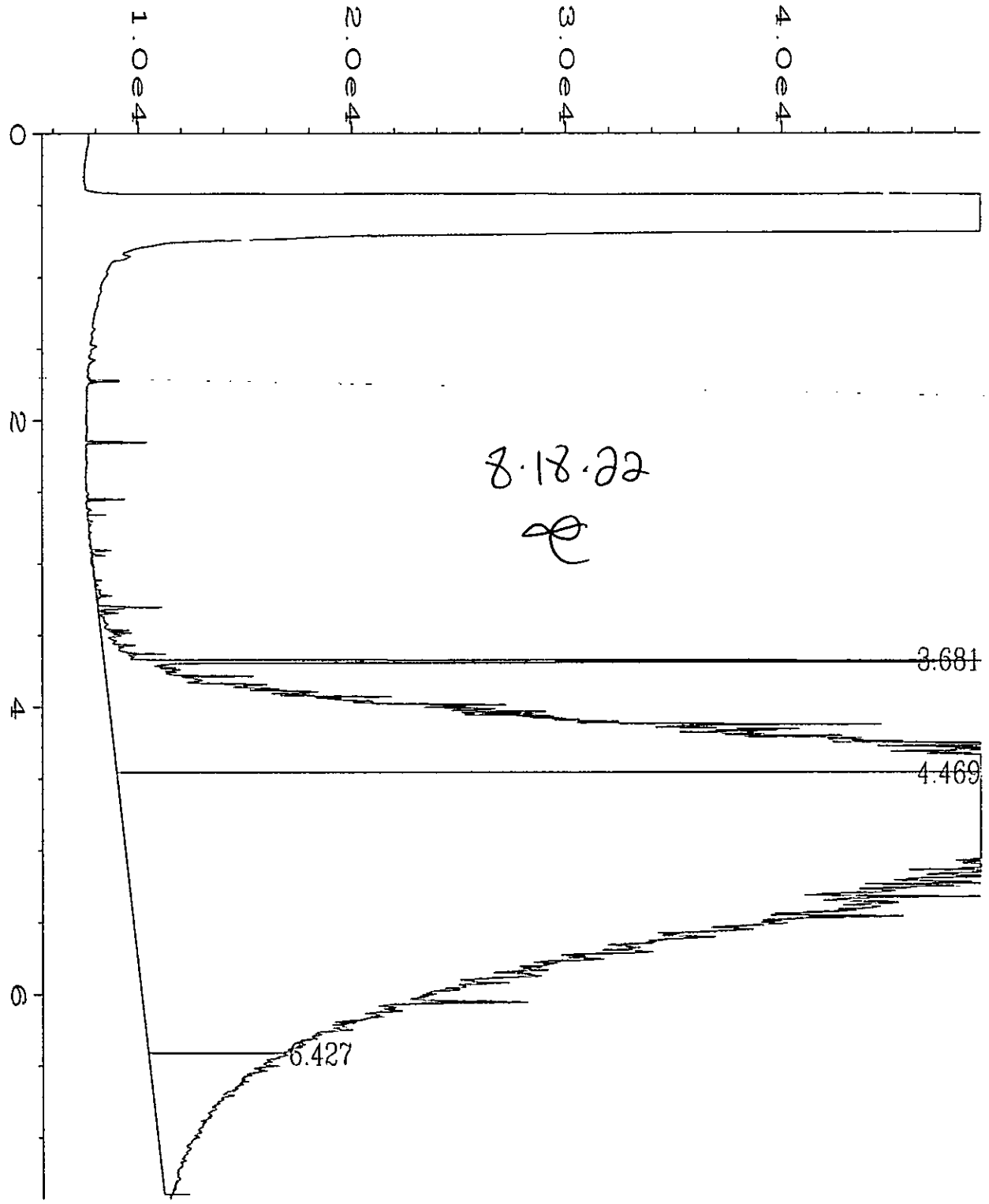
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\003F1101.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 3			
Sample Name : 500 Dx 66-186F				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 11			
Acquired on	8/17/22	17:05		Instrume	DX.MTH		
Report Created on: 17 Aug 22 05:30 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
104	>4.45	<4.6	113447	1.09E+04		6/7/22	
o-Terphenyl							
108	>3.65	<3.75	117992	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
581	>1.80	<4.43	4.99E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
564	>1.80	<6.40	5056387	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
10	>4.44	<6.40	67254	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2234574	7.42E+03		12/30/21	
C12-C24							
783	>1.80	<4.50	4989133	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
371	>0.90	<3.08	3166330	8.53E+03		4/18/17	
Kerosene C8-C20							
530	>0.90	<4.50	5333650	1.01E+04		1/9/19	
Transformer Oil							
574	>2.2	<5.20	5029379	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	371						
TPHD (8-36)	260						
TPHDX (8-36)	249						
Motor Oil (8-36	345						



Data File Name : C:\HPCHEM\1\DATA\08-18-22\002F1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 19 Aug 22 00:35 AM
Report Created on: 19 Aug 22 07:32 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08-18-22\002F1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 19 Aug 22 00:35 AM
Report Created on: 19 Aug 22 07:32 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\002F1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.681	1217773	250050	MF	0.081	23.8763
2	4.469	3730578	260503	FF	0.239	73.1436
3	6.427	151993	6560	FM	0.386	2.9801

Total area = 5100344

User Modified

8.17.22

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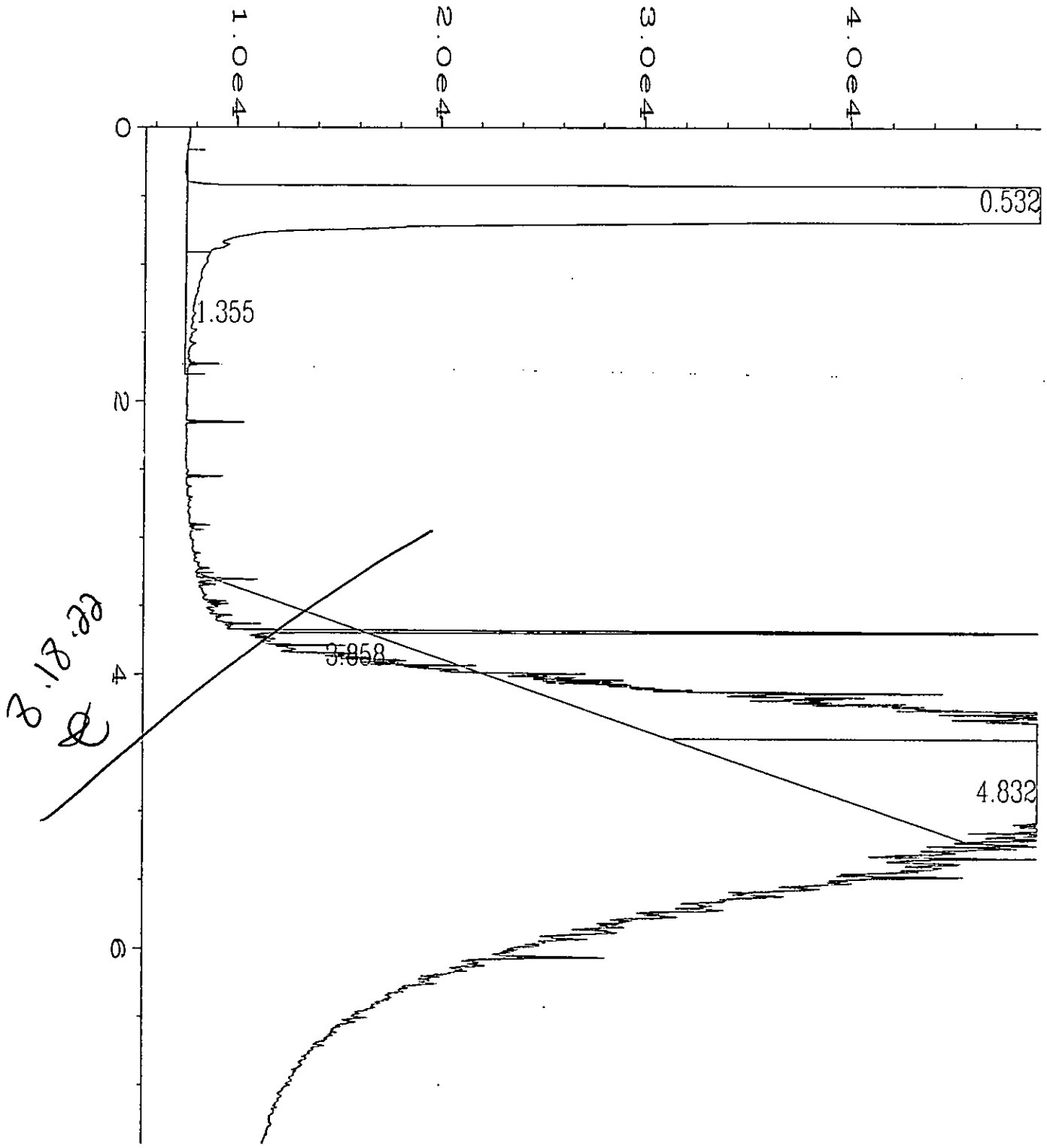


Data File Name : C:\HPCHEM\1\DATA\08-18-22\002F1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 19 Aug 22 00:35 AM
Report Created on: 19 Aug 22 00:51 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08-18-22\002F1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 19 Aug 22 00:35 AM
Report Created on: 19 Aug 22 00:51 AM

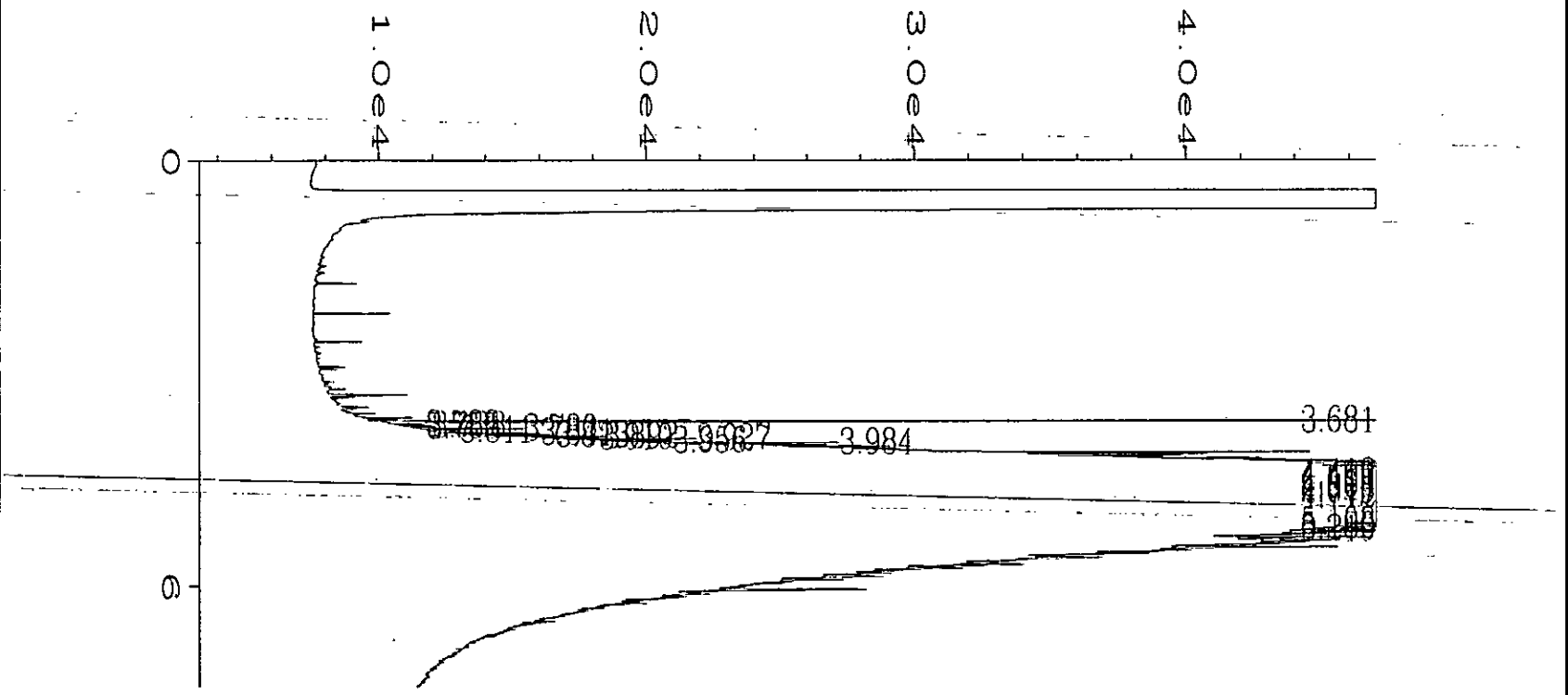
Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\002F1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14858E+009	9.88205E+007	PVA	0.194	99.8791
2	1.355	26622	1252	VB +	0.000	0.0023
3	3.858	418521	198605	PV +	0.000	0.0364
4	4.832	945243	200027	VB +	0.000	0.0822

Total area = 1.14997E+009

8-18-22



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\002R1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 MO 67-56B
Run Time Bar Code:
Acquired on : 19 Aug 22 00:35 AM
Report Created on: 19 Aug 22 00:51 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\002R1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.681	118619	248233	BV	0.008	25.0470
2	3.723	610	1031	VV	0.011	0.1287
3	3.738	616	1113	VV	0.009	0.1301
4	3.755	290	679	VV	0.007	0.0612
5	3.780	1805	4010	PV	0.010	0.3811
6	3.811	1502	1010	VV	0.020	0.3172
7	3.841	2855	3205	PV	0.013	0.6029
8	3.873	1597	2221	VV	0.012	0.3373
9	3.892	2703	3135	VV	0.014	0.5707
10	3.910	831	2051	VV	0.007	0.1754
11	3.927	2224	4831	PV	0.008	0.4696
12	3.956	1865	2031	VV	0.015	0.3937
13	3.984	7655	6604	VBA	0.016	1.6165
14	4.418	1873	5601	BV	0.007	0.3956
15	4.431	4704	6083	VV	0.013	0.9933
16	4.469	119436	216203	PV	0.009	25.2195
17	4.493	4800	8128	VV	0.010	1.0136
18	4.513	28041	30347	VV	0.015	5.9210
19	4.563	31140	15468	VV	0.027	6.5755
20	4.594	7080	9419	VV	0.013	1.4950

21	4.608	14438	15090	VV	0.016	3.0486
22	4.643	30476	29073	VV	0.015	6.4352
23	4.679	25762	12460	VV	0.028	5.4397
24	4.742	14659	9722	VV	0.020	3.0953
25	4.777	25994	22953	VBA	0.016	5.4887
26	5.108	10609	3715	PV	0.040	2.2401
27	5.180	7055	8732	VV	0.013	1.4896
28	5.219	4346	3383	VV	0.021	0.9177

Total area = 473584

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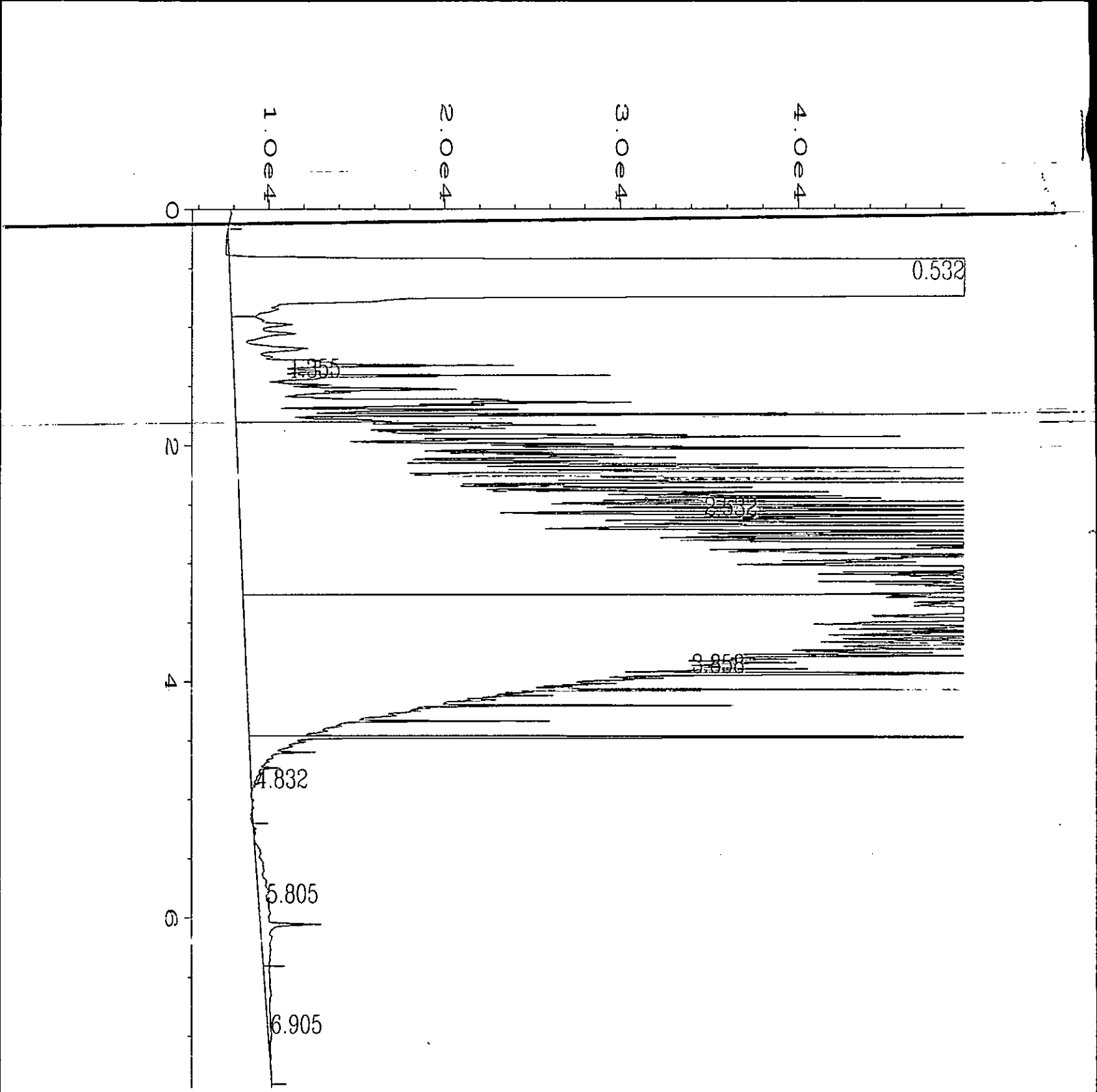
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-18-22\002F1001.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 2			
Sample Name : 500 MO 67-56B				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 10			
Acquired on	8/19/22	0:35		Instrume	DX.MTH		
Report Created on: 19 Aug 22 00:51 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
12	>5.1	<5.2	10609	9.07E+03		6/7/22	
Pentacosane							8.17.22
110	>4.45	<4.6	119436	1.09E+04		6/7/22	
o-Terphenyl							
109	>3.65	<3.75	118619	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
35	>1.80	<4.43	3.00E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
124	>1.80	<6.40	1115100	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36			361142				
~~550~~ 126	>4.44	<6.40	~~815198~~	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	1115100	7.42E+03		12/30/21	
C12-C24							
47	>1.80	<4.50	299902	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
3	>0.90	<3.08	26622	8.53E+03		4/18/17	
Kerosene C8-C20							
32	>0.90	<4.50	326524	1.01E+04		1/9/19	
Transformer Oil							
128	>2.2	<5.20	1125709	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	3						
TPHD (8-36)	130						
TPHDX (8-36)	124						
Motor Oil (8-36	172						



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\003F1001.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 3
Sample Name	: 500 Dx 66-186F	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 10
Acquired on	: 19 Aug 22 00:51 AM	Instrument Method	: DX.MTH
Report Created on:	19 Aug 22 01:06 AM	Analysis Method	: DX.MTH

Area Percent Report

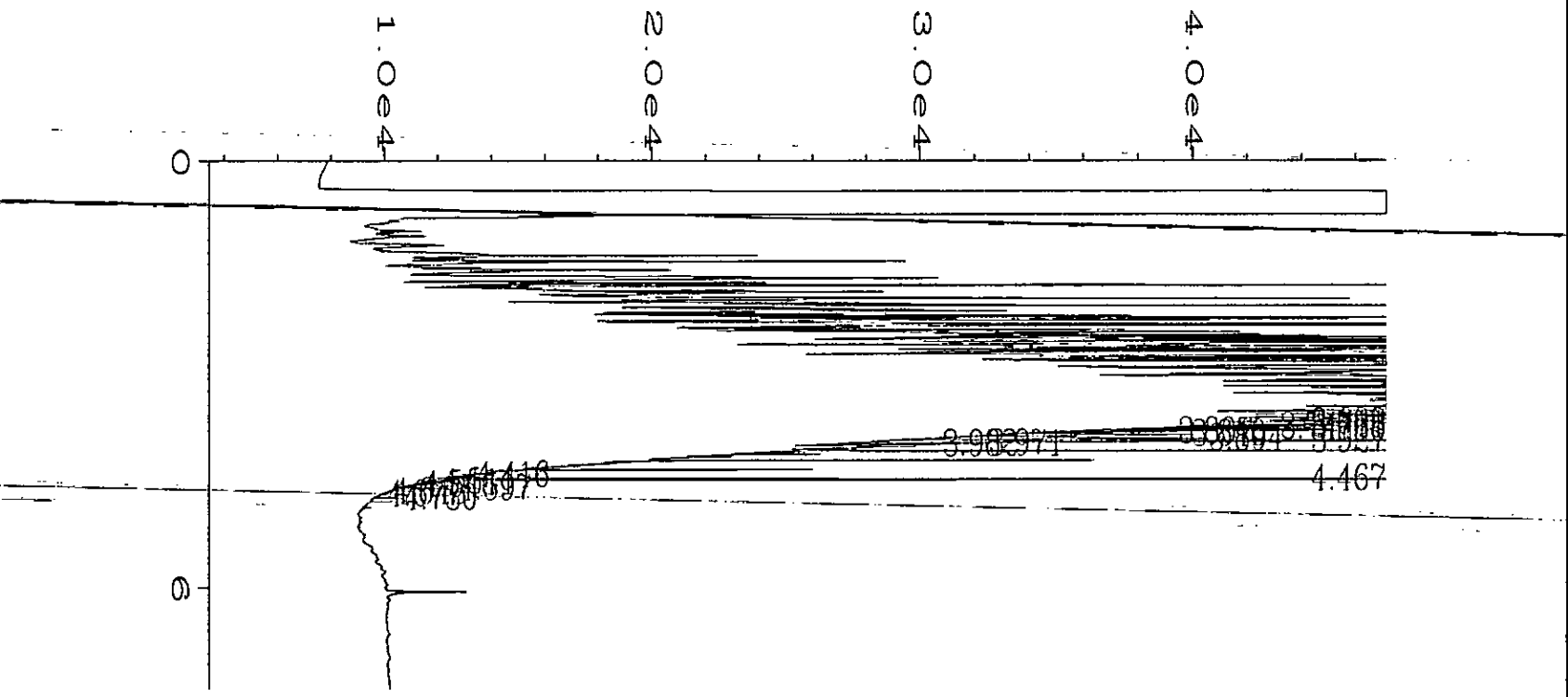
Data File Name : C:\HPCHEM\1\DATA\08-18-22\003F1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 66-186F
Run Time Bar Code:
Acquired on : 19 Aug 22 00:51 AM
Report Created on: 19 Aug 22 01:06 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\003F1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.13441E+009	1.00891E+008	PVA	0.187	99.5229
2	1.355	316092	64867	VV +	0.000	0.0277
3	2.532	2720574	139034	VVA	0.326	0.2387
4	3.858	2213477	255854	VV +	0.000	0.1942
5	4.832	144945	188141	VV +	0.000	0.0127
6	5.805	32888	3605	PV +	0.000	0.0029
7	6.905	10247	247	VV +	0.000	0.0009

Total area = 1.13985E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\003R1001.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 66-186F
Run Time Bar Code:
Acquired on : 19 Aug 22 00:51 AM
Report Created on: 19 Aug 22 01:06 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\003R1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	115293	247064	BV	0.014	32.6283
2	3.711	1784	3338	PV	0.009	0.5048
3	3.723	4520	8879	VV	0.008	1.2793
4	3.741	1994	4269	PV	0.008	0.5643
5	3.755	7233	10341	VV	0.012	2.0470
6	3.780	34065	76271	PV	0.010	9.6405
7	3.807	3269	4667	VV	0.012	0.9252
8	3.840	6692	6941	PV	0.016	1.8939
9	3.894	15529	10234	VV	0.022	4.3946
10	3.927	41415	60367	VV	0.011	11.7204
11	3.971	3752	5922	VV	0.011	1.0619
12	3.982	2351	4713	VBA	0.008	0.6654
13	4.416	573	624	BV	0.015	0.1622
14	4.467	111216	211243	PV	0.009	31.4743
15	4.511	633	759	VV	0.014	0.1791
16	4.546	575	433	VV	0.018	0.1628
17	4.597	1365	2374	PV	0.010	0.3864
18	4.643	222	234	PV	0.016	0.0629
19	4.677	229	242	VV	0.016	0.0647
20	4.730	644	1156	PV	0.009	0.1821

Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-18-22\003F1001.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 3

Sample Name : 500 Dx 66-186F | Injection Number : 1

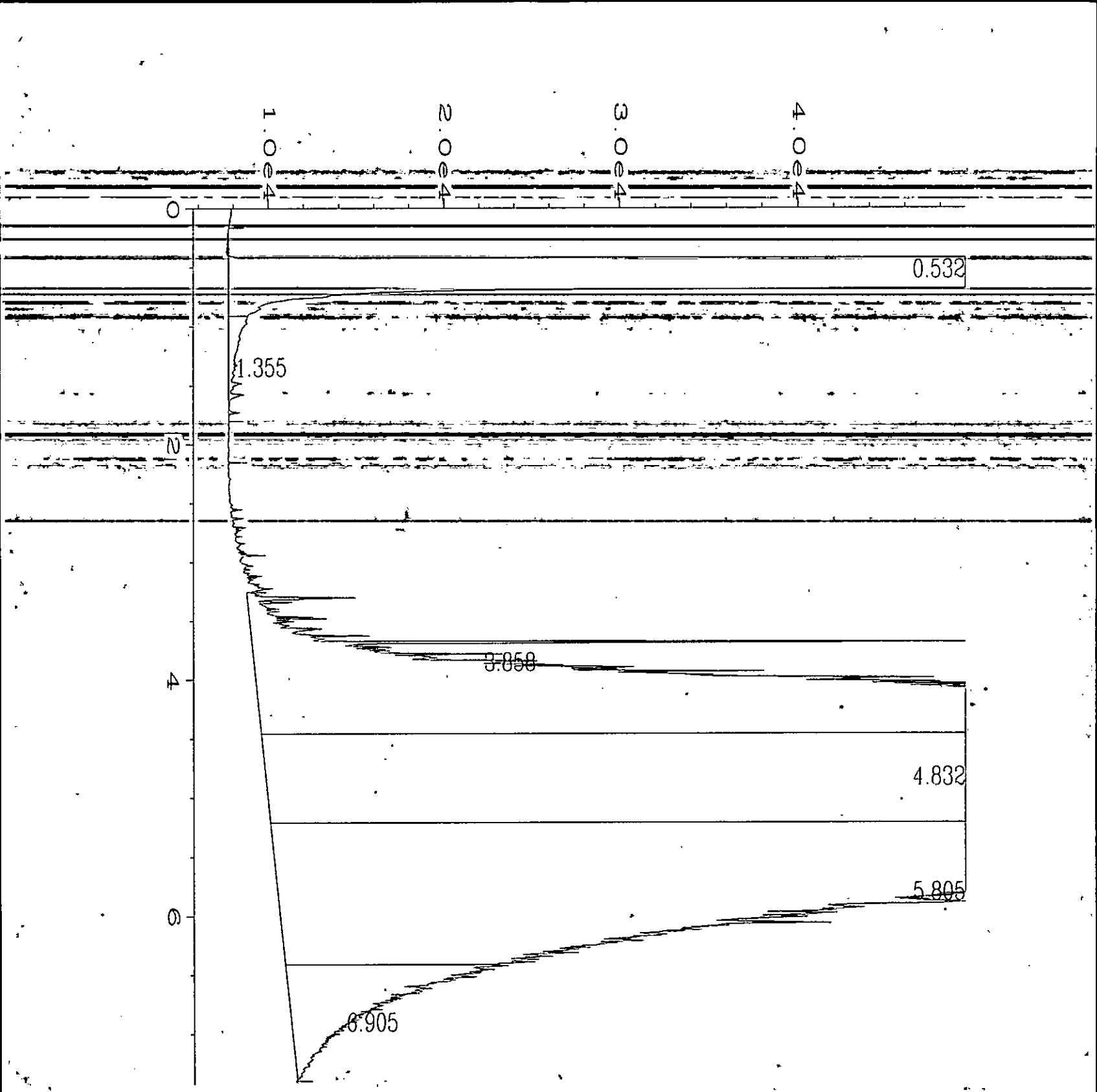
Run Time Bar Code: | Sequence Line : 10

Acquired on 8/19/22 0:51 | Instrume DX.MTH

Report Created on: 19 Aug 22 01:06 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
0	>5.1	<5.2	0	9.07E+03		6/7/22
Pentacosane						
102	>4.45	<4.6	111216	1.09E+04		6/7/22
o-Terphenyl						
106	>3.65	<3.75	115293	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
561	>1.80	<4.43	4.82E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
545	>1.80	<6.40	4885374	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
10	>4.44	<6.40	66616	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	2164800	7.42E+03		12/30/21
C12-C24						
756	>1.80	<4.50	4818758	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
356	>0.90	<3.08	3036666	8.53E+03		4/18/17
Kerosene C8-C20						
510	>0.90	<4.50	5134850	1.01E+04		1/9/19
Transformer Oil						
554	>2.2	<5.20	4852487	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	356
TPHD (8-36)	252
TPHDX (8-36)	241
Motor Oil (8-36	334



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\004F1201.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 4
Sample Name	: 1000 MO 67-1F	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 12
Acquired on	: 19 Aug 22 04:30 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 04:45 AM	Analysis Method	: DX.MTH

Area Percent Report

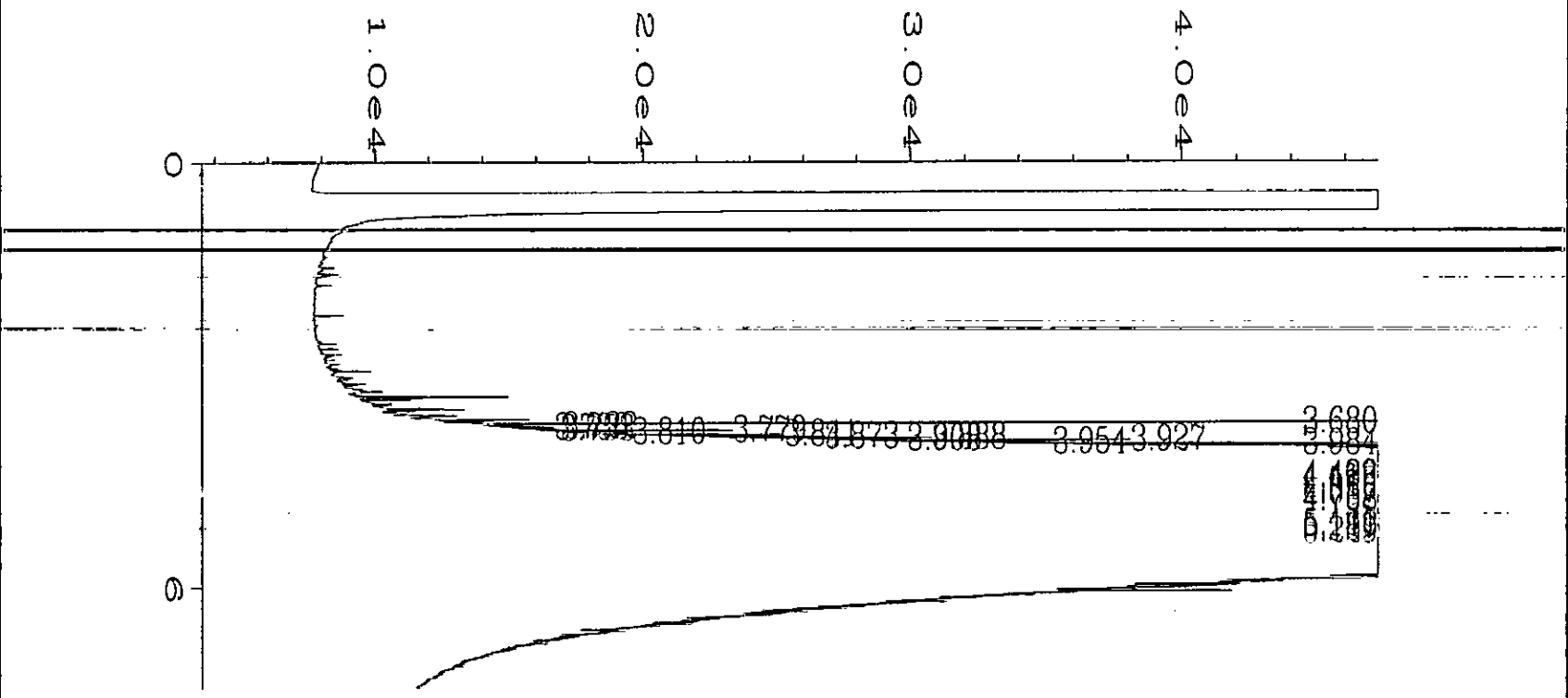
Data File Name : C:\HPCHEM\1\DATA\08-18-22\004F1201.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 19 Aug 22 04:30 AM
Report Created on: 19 Aug 22 04:45 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 12
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\004F1201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.13929E+009	1.00339E+008	PVA	0.189	99.1017
2	1.355	21538	1100	VV +	0.000	0.0019
3	3.858	2454204	213471	VV +	0.000	0.2135
4	4.832	4596169	275615	VVA	0.278	0.3998
5	5.805	3006811	78683	VVA	0.637	0.2615
6	6.905	248698	12026	VB +	0.000	0.0216

Total area = 1.14962E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\004R1201.D
Operator : TL
Instrument : GC1
Sample Name : 1000 MO 67-1F
Run Time Bar Code:
Acquired on : 19 Aug 22 04:30 AM
Report Created on: 19 Aug 22 04:45 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 12
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\004R1201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.680	123859	272747	BV	0.008	18.2161
2	3.722	1380	2456	PV	0.009	0.2030
3	3.738	827	1642	PV	0.008	0.1217
4	3.753	553	1248	VV	0.007	0.0813
5	3.779	3665	7226	VV	0.008	0.5391
6	3.810	3057	2058	VV	0.020	0.4496
7	3.841	5890	5799	PV	0.016	0.8662
8	3.873	2829	4123	VV	0.011	0.4161
9	3.888	5698	6900	VV	0.014	0.8380
10	3.908	1807	3708	VV	0.008	0.2658
11	3.927	4290	9895	PV	0.007	0.6310
12	3.954	2626	3259	VV	0.012	0.3861
13	3.984	15072	12063	VBA	0.018	2.2167
14	4.422	247	9528	BV	0.000	0.0364
15	4.439	9177	11421	VV	0.013	1.3497
16	4.473	152519	240879	PV	0.015	22.4311
17	4.518	57029	53688	VV	0.015	8.3874
18	4.570	52289	27442	VV	0.028	7.6902
19	4.616	40652	32692	VV	0.018	5.9788
20	4.650	59367	54688	VV	0.016	8.7312

21	4.687	42276	21640	VV	0.025	6.2176
22	4.752	19113	12704	VV	0.025	2.8109
23	4.768	4857	9699	VV	0.008	0.7143
24	4.782	33701	34845	VBA	0.015	4.9564
25	5.116	4281	7017	PV	0.010	0.6295
26	5.131	2182	5382	PV	0.007	0.3209
27	5.149	5104	9966	PV	0.011	0.7506
28	5.187	17350	18531	VV	0.014	2.5518
29	5.229	8245	7654	PV	0.018	1.2126

Total area = 679943

Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-18-22\004F1201.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 4

Sample Name : 1000 MO 67-1F | Injection Number : 1

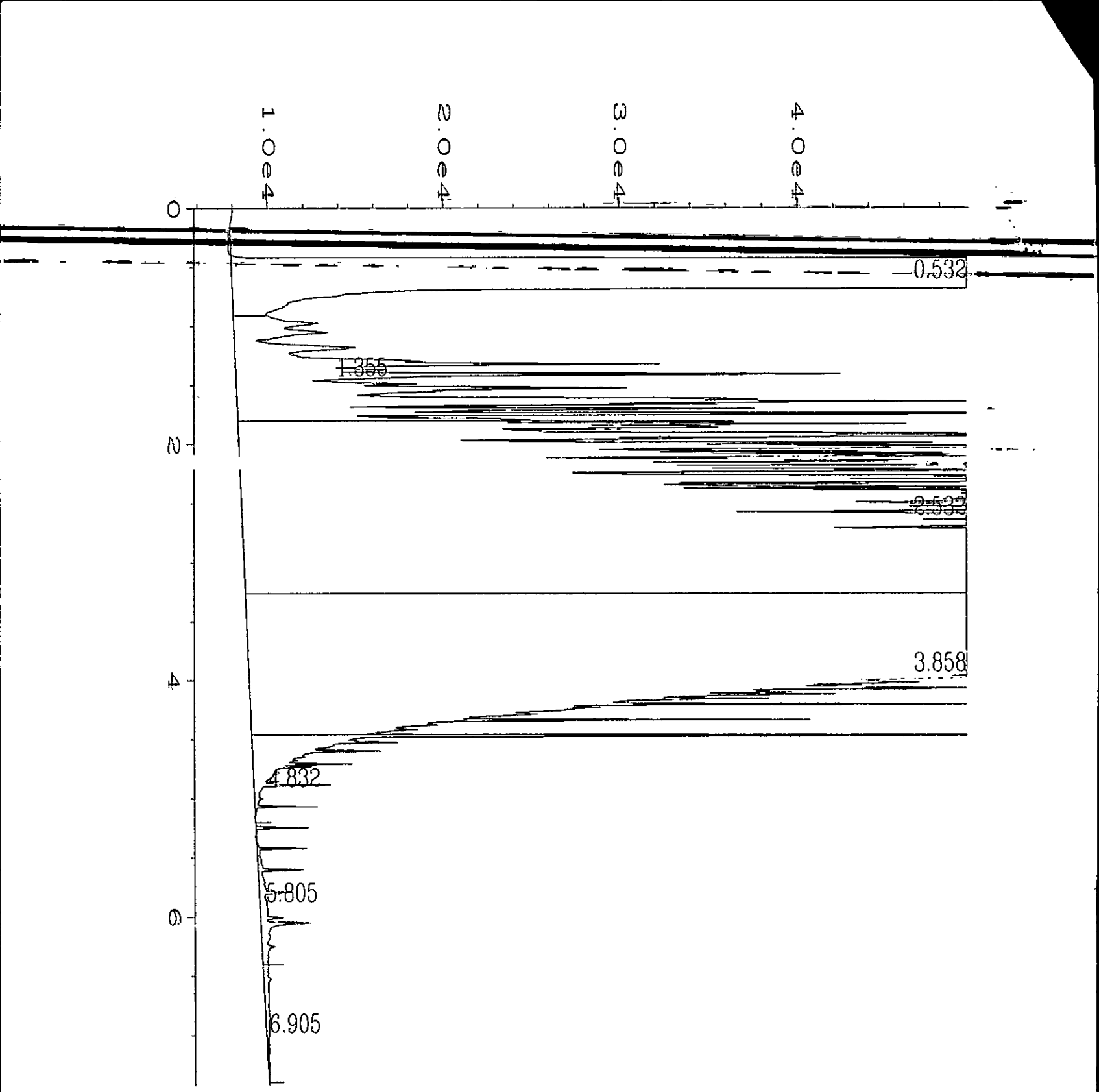
Run Time Bar Code: | Sequence Line : 12

Acquired on 8/19/22 4:30 | Instrume DX.MTH

Report Created on: 19 Aug 22 04:45 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
19	>5.1	<5.2	17350	9.07E+03		6/7/22
Pentacosane						
140	>4.45	<4.6	152519	1.09E+04		6/7/22
o-Terphenyl						
113	>3.65	<3.75	123859	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
271	>1.80	<4.43	2.33E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
1089	>1.80	<6.40	9763456	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
1148	>4.44	<6.40	7433111	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	9763456	7.42E+03		12/30/21
C12-C24						
366	>1.80	<4.50	2330345	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
3	>0.90	<3.08	21538	8.53E+03		4/18/17
Kerosene C8-C20						
234	>0.90	<4.50	2351883	1.01E+04		1/9/19
Transformer Oil						
773	>2.2	<5.20	6773995	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	3
TPHD (8-36)	1136
TPHDX (8-36)	1089
Motor Oil (8-36	1508



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\005F1201.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 5
Sample Name	: 1000 Dx 66-186E	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 12
Acquired on	: 19 Aug 22 04:45 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 05:00 AM	Analysis Method	: DX.MTH

Area Percent Report

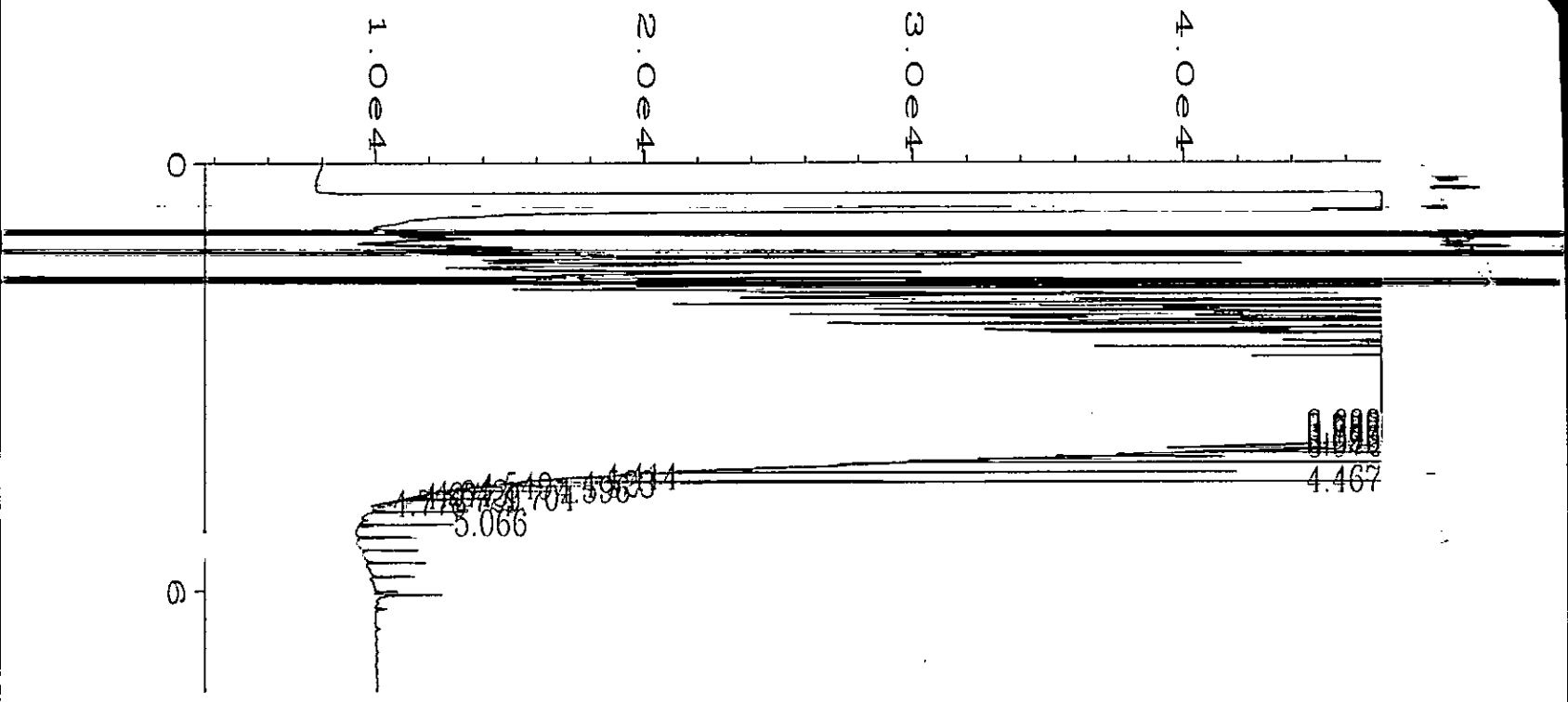
Data File Name : C:\HPCHEM\1\DATA\08-18-22\005F1201.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 19 Aug 22 04:45 AM
Report Created on: 19 Aug 22 05:00 AM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 12
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\005F1201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.08115E+009	9.65797E+007	PVA	0.187	99.0848
2	1.355	593692	115135	VV +	0.000	0.0544
3	2.532	5141888	249951	VVA	0.343	0.4712
4	3.858	4018610	261669	VV +	0.000	0.3683
5	4.832	191911	174876	VV +	0.000	0.0176
6	5.805	30253	2704	PV +	0.000	0.0028
7	6.905	9691	304	VB +	0.000	0.0009

Total area = 1.09113E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\005R1201.D
Operator : TL
Instrument : GC1
Sample Name : 1000 Dx 66-186E
Run Time Bar Code:
Acquired on : 19 Aug 22 04:45 AM
Report Created on: 19 Aug 22 05:00 AM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 12
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\005R1201.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	104150	233022	BV	0.010	22.7316
2	3.725	13668	16793	PV	0.013	2.9833
3	3.742	5952	8757	VV	0.011	1.2991
4	3.757	13326	19186	VV	0.012	2.9086
5	3.783	60328	138384	VV	0.007	13.1671
6	3.808	8646	9299	VV	0.015	1.8871
7	3.843	13170	11521	PV	0.017	2.8745
8	3.896	29401	19315	VV	0.023	6.4170
9	3.929	77661	104154	VV	0.013	16.9501
10	3.972	11989	10512	VBA	0.019	2.6167
11	4.414	1571	1630	BV	0.014	0.3430
12	4.467	105887	209305	PV	0.008	23.1108
13	4.523	2581	3736	PV	0.014	0.5633
14	4.549	397	418	VV	0.016	0.0865
15	4.596	2585	4414	PV	0.016	0.5643
16	4.643	283	404	VV	0.012	0.0618
17	4.677	251	450	PV	0.009	0.0548
18	4.704	2363	3902	VV	0.010	0.5158
19	4.729	1484	2079	VV	0.018	0.3239
20	4.778	328	578	VBA	0.011	0.0716

21	5.066	2149	3603	BV	0.010	0.4690

Total area = 458172

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Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-18-22\005F1201.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 5

Sample Name : 1000 Dx 66-186E | Injection Number : 1

Run Time Bar Code: | Sequence Line : 12

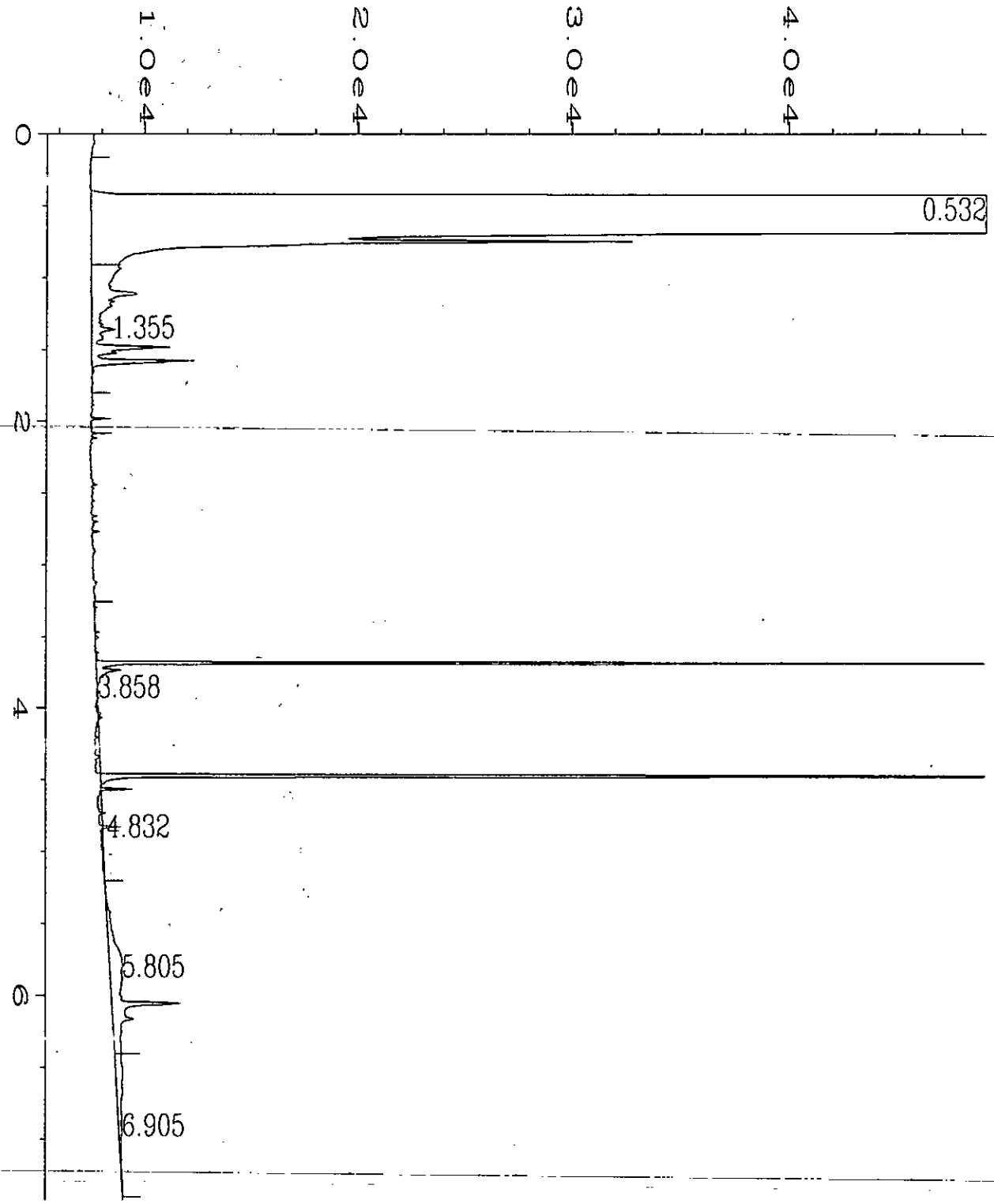
Acquired on 8/19/22 1:45 | Instrume DX.MTH

Report Created on: 19 Aug 22 05:00 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
0	>5.1	<5.2	0	9.07E+03		6/7/22
Pentacosane						
97	>4.45	<4.6	105887	1.09E+04		6/7/22
o-Terphenyl						
95	>3.65	<3.75	104150	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
1054	>1.80	<4.43	9.06E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
1023	>1.80	<6.40	9172624	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
18	>4.44	<6.40	116276	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	4030736	7.42E+03		12/30/21
C12-C24						
1421	>1.80	<4.50	9056348	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
672	>0.90	<3.08	5735580	8.53E+03		4/18/17
Kerosene C8-C20						
959	>0.90	<4.50	9650040	1.01E+04		1/9/19
Transformer Oil						
1043	>2.2	<5.20	9142372	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	672
TPHD (8-36)	469
TPHDX (8-36)	449
Motor Oil (8-36	623

NWTPH-Dx
Quality Assurance Data



Data File Name	: C:\HPCHEM\1\DATA\08-17-22\024F1001.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 24
Sample Name	: 02-2002 mb	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 10
Acquired on	: 17 Aug 22 03:00 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Aug 22 03:15 PM	Analysis Method	: DX.MTH

Area Percent Report

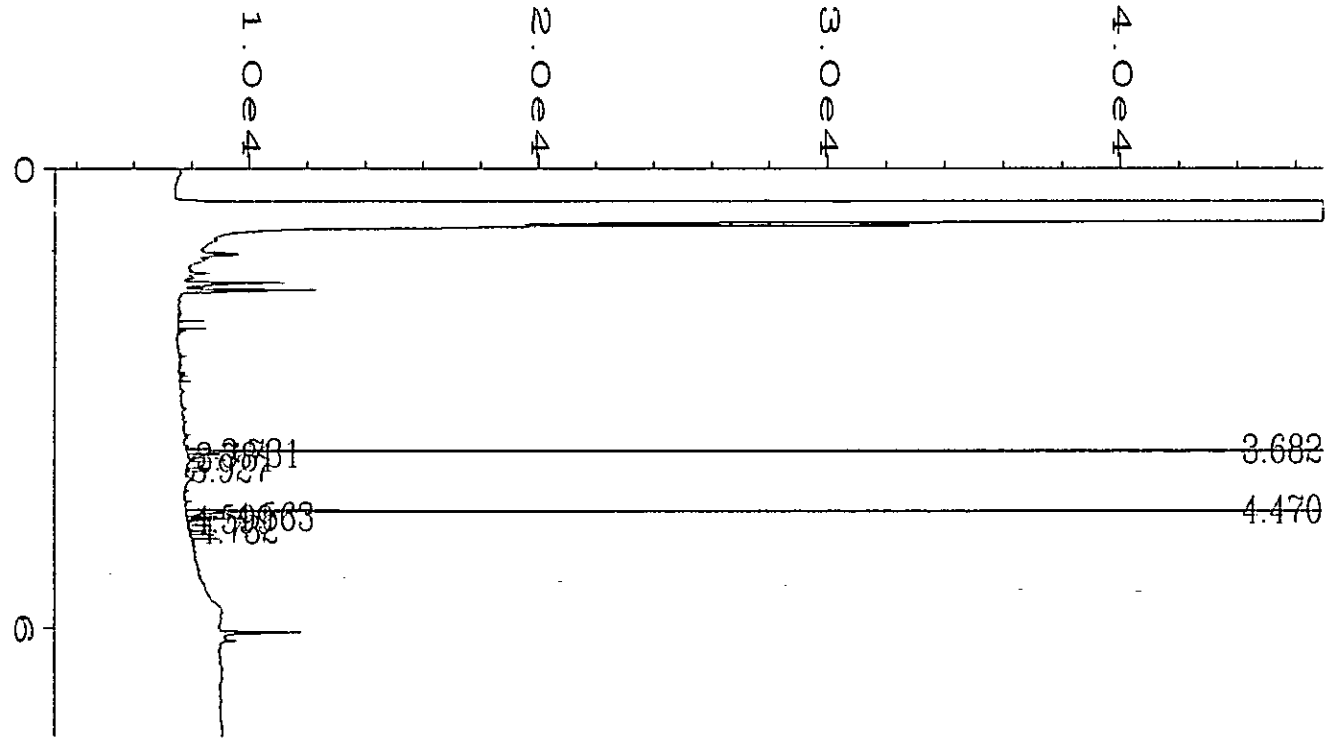
Data File Name : C:\HPCHEM\1\DATA\08-17-22\024F1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 mb
Run Time Bar Code:
Acquired on : 17 Aug 22 03:00 PM
Report Created on: 17 Aug 22 03:15 PM

Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\024F1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.07539E+009	9.58811E+007	PVA	0.187	99.9716
2	1.355	42047	4305	VV +	0.000	0.0039
3	3.858	118662	213651	PV +	0.000	0.0110
4	4.832	106642	175270	VV +	0.000	0.0099
5	5.805	28912	3241	PV +	0.000	0.0027
6	6.905	8915	204	VB +	0.000	0.0008

Total area = 1.07569E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\024R1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 mb
Run Time Bar Code:
Acquired on : 17 Aug 22 03:00 PM
Report Created on: 17 Aug 22 03:15 PM

Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\024R1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	119008	250428	BV	0.012	51.2154
2	3.731	1650	1163	VV	0.019	0.7102
3	3.781	193	229	VV	0.014	0.0832
4	3.927	109	149	PV	0.014	0.0469
5	4.470	109728	212645	BV	0.012	47.2214
6	4.563	1199	1679	VV	0.011	0.5160
7	4.599	229	205	VV	0.019	0.0986
8	4.732	252	343	VV	0.015	0.1084

Total area = 232368

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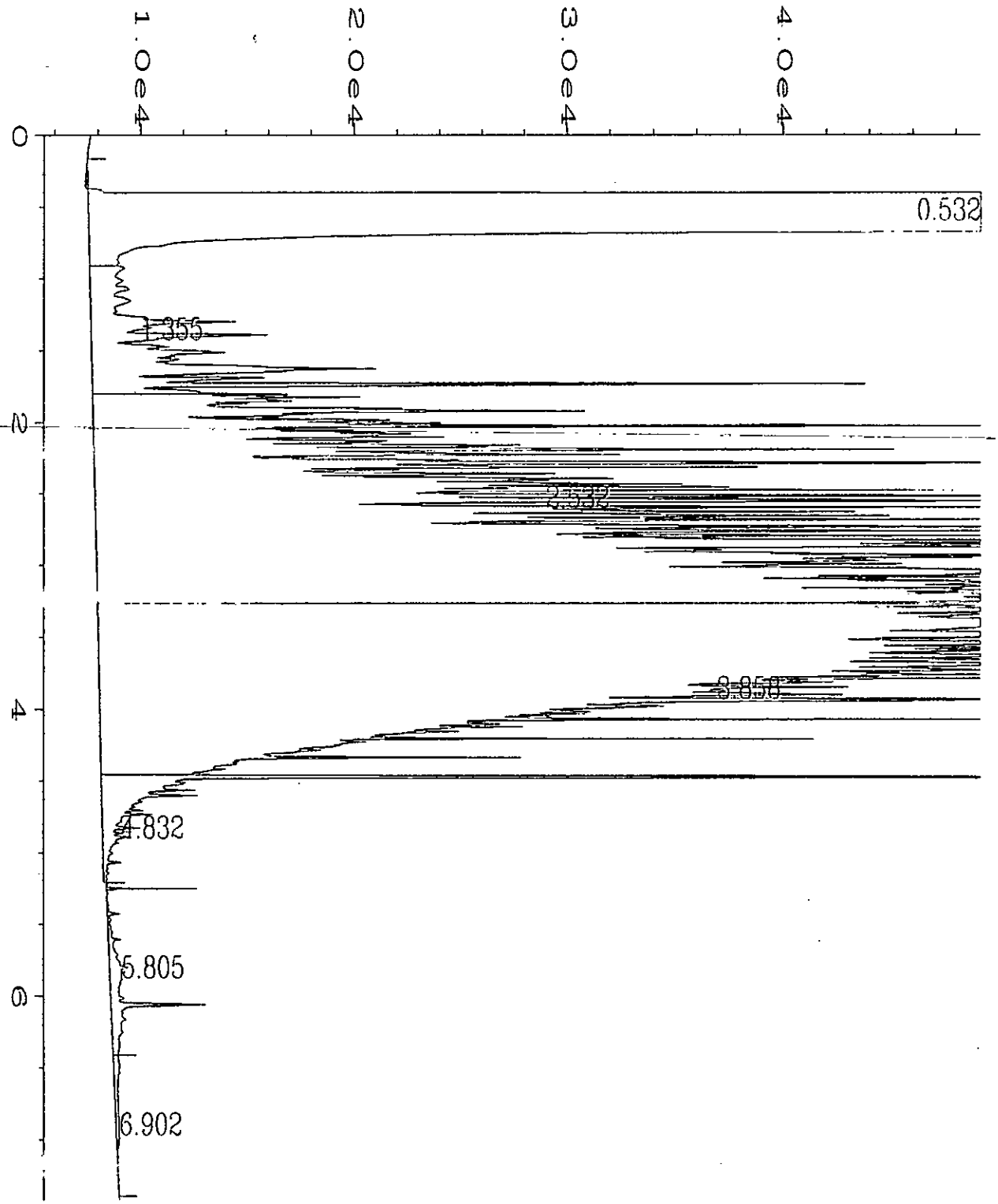
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\024F1001.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 24			
Sample Name : 02-2002 mb				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 10			
Acquired on	8/17/22	15:00		Instrume	DX.MTH		
Report Created on: 17-Aug-22 03:15 PM				Analysis.Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
101	>4.45	<4.6	109728	1.09E+04		6/7/22	
o-Terphenyl							
109	>3.65	<3.75	119008	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
0	>1.80	<4.43	########	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
3	>1.80	<6.40	25479	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
4	>4.44	<6.40	25825	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	25479	7.42E+03		12/30/21	
C12-C24							
0	>1.80	<4.50	-346	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
5	>0.90	<3.08	42047	8.53E+03		4/18/17	
Kerosene C8-C20							
4	>0.90	<4.50	41701	1.01E+04		1/9/19	
Transformer Oil							
0	>2.2	<5.20	-3432	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	5						
TPHD (8-36)	3						
TPHDX (8-36)	3						
Motor Oil (8-36	4						



Data File Name : C:\HPCHEM\1\DATA\08-17-22\025F1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 lcs
Run Time Bar Code:
Acquired on : 17 Aug 22 03:15 PM
Report Created on: 17 Aug 22 03:30 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

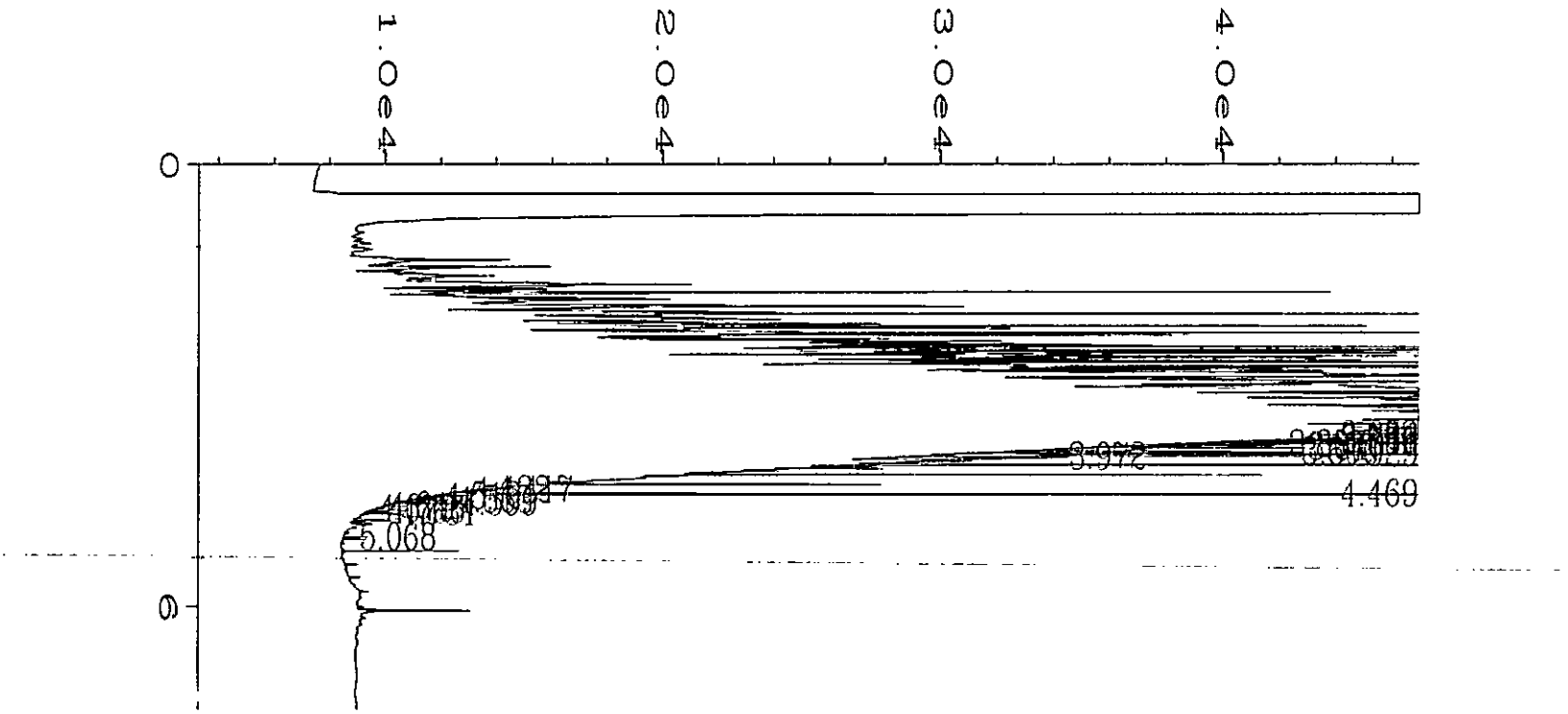
Data File Name : C:\HPCHEM\1\DATA\08-17-22\025F1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 lcs
Run Time Bar Code:
Acquired on : 17 Aug 22 03:15 PM
Report Created on: 17 Aug 22 03:30 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\025F1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	6.96246E+008	7.83265E+007	PVA	0.148	99.2642
2	1.355	199166	30880	VV +	0.000	0.0284
3	2.532	2378304	129204	VVA	0.307	0.3391
4	3.858	2378462	246173	VV +	0.000	0.3391
5	4.832	171713	206348	VB +	0.000	0.0245
6	5.805	27331	4206	BVA	0.108	0.0039
7	6.902	6022	162	VB +	0.000	0.0009

Total area = 7.01407E+008



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\025R1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 lcs
Run Time Bar Code:
Acquired on : 17 Aug 22 03:15 PM
Report Created on: 17 Aug 22 03:30 PM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\025R1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	111790	250913	BV	0.013	30.2815
2	3.726	8901	11189	PV	0.013	2.4110
3	3.741	2897	4536	VV	0.011	0.7847
4	3.756	7725	11331	VV	0.011	2.0926
5	3.782	35816	81552	VV	0.010	9.7018
6	3.807	3917	5595	VV	0.012	1.0611
7	3.840	11074	8217	PV	0.019	2.9996
8	3.896	12633	10938	VV	0.018	3.4221
9	3.929	45402	60509	VV	0.013	12.2984
10	3.972	6851	6552	VBA	0.019	1.8557
11	4.417	625	947	BV	0.011	0.1692
12	4.432	176	507	VV	0.006	0.0476
13	4.469	115487	232689	PV	0.014	31.2828
14	4.512	859	737	VV	0.017	0.2327
15	4.563	1309	2006	VV	0.015	0.3547
16	4.599	1612	2720	PV	0.012	0.4366
17	4.645	263	334	PV	0.013	0.0711
18	4.679	193	249	PV	0.012	0.0524
19	4.706	430	826	VV	0.008	0.1163
20	4.731	810	1467	PV	0.011	0.2194

21	5.068	402	670	BV	0.010	0.1088

Total area = 369170

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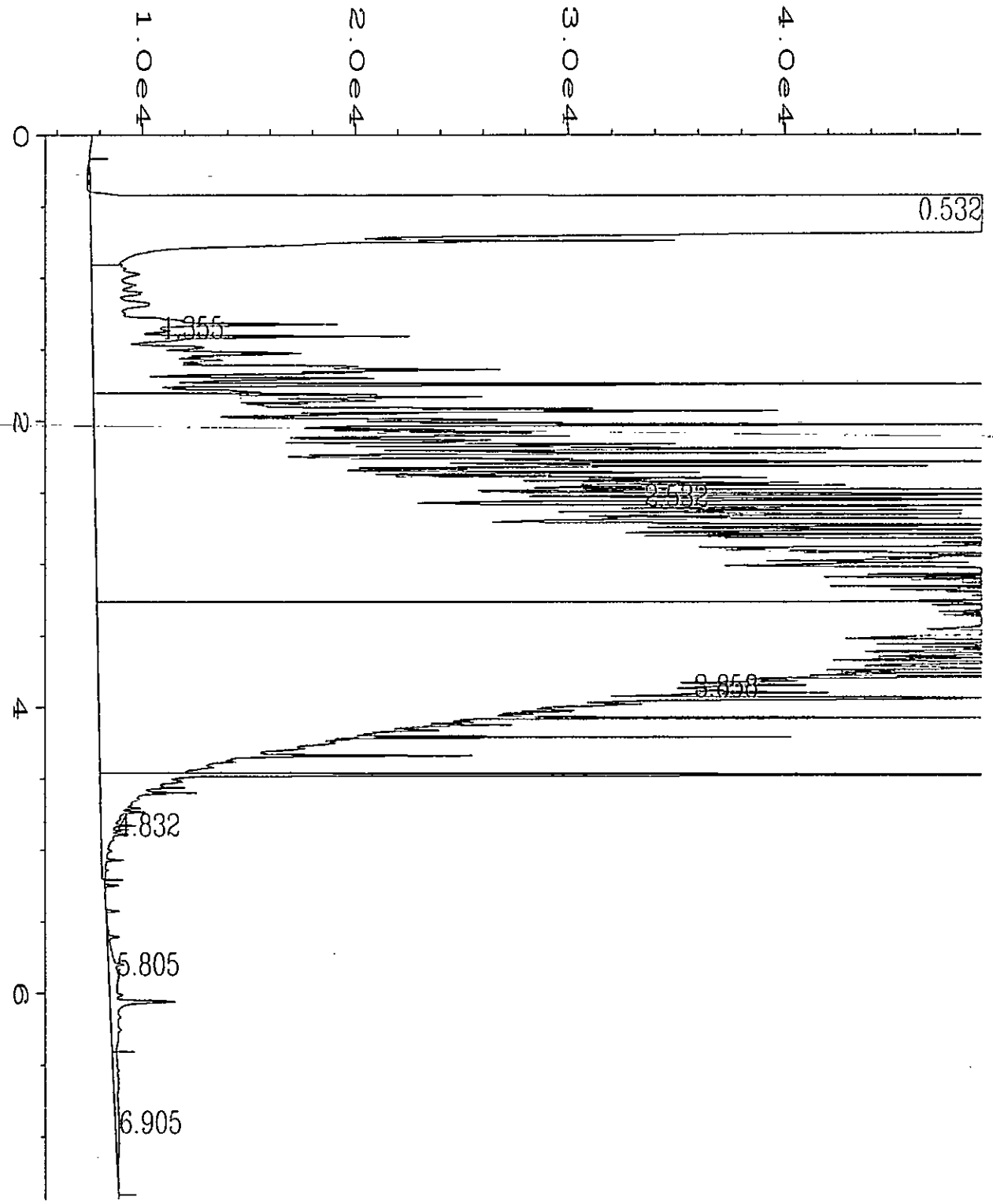
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\025F1001.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 25			
Sample Name : 02-2002 lcs				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 10			
Acquired on	8/17/22	15:15		Instrume	DX.MTH		
Report Created on: 17-Aug-22 03:30 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
106	>4.45	<4.6	115487	1.09E+04		6/7/22	
o-Terphenyl							
102	>3.65	<3.75	111790	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
541	>1.80	<4.43	4.64E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
527	>1.80	<6.40	4728532	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
13	>4.44	<6.40	83556	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2350228	7.42E+03		12/30/21	
C12-C24							
729	>1.80	<4.50	4644976	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
302	>0.90	<3.08	2577470	8.53E+03		4/18/17	
Kerosene C8-C20							
481	>0.90	<4.50	4844142	1.01E+04		1/9/19	
Transformer Oil							
536	>2.2	<5.20	4701202	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	302						
TPHD (8-36)	273						
TPHDX (8-36)	262						
Motor Oil (8-36	363						



Data File Name	: C:\HPCHEM\1\DATA\08-17-22\026F1001.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 26
Sample Name	: 02-2002 lcsd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 10
Acquired on	: 17 Aug 22 03:30 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Aug 22 03:45 PM	Analysis Method	: DX.MTH

Area Percent Report

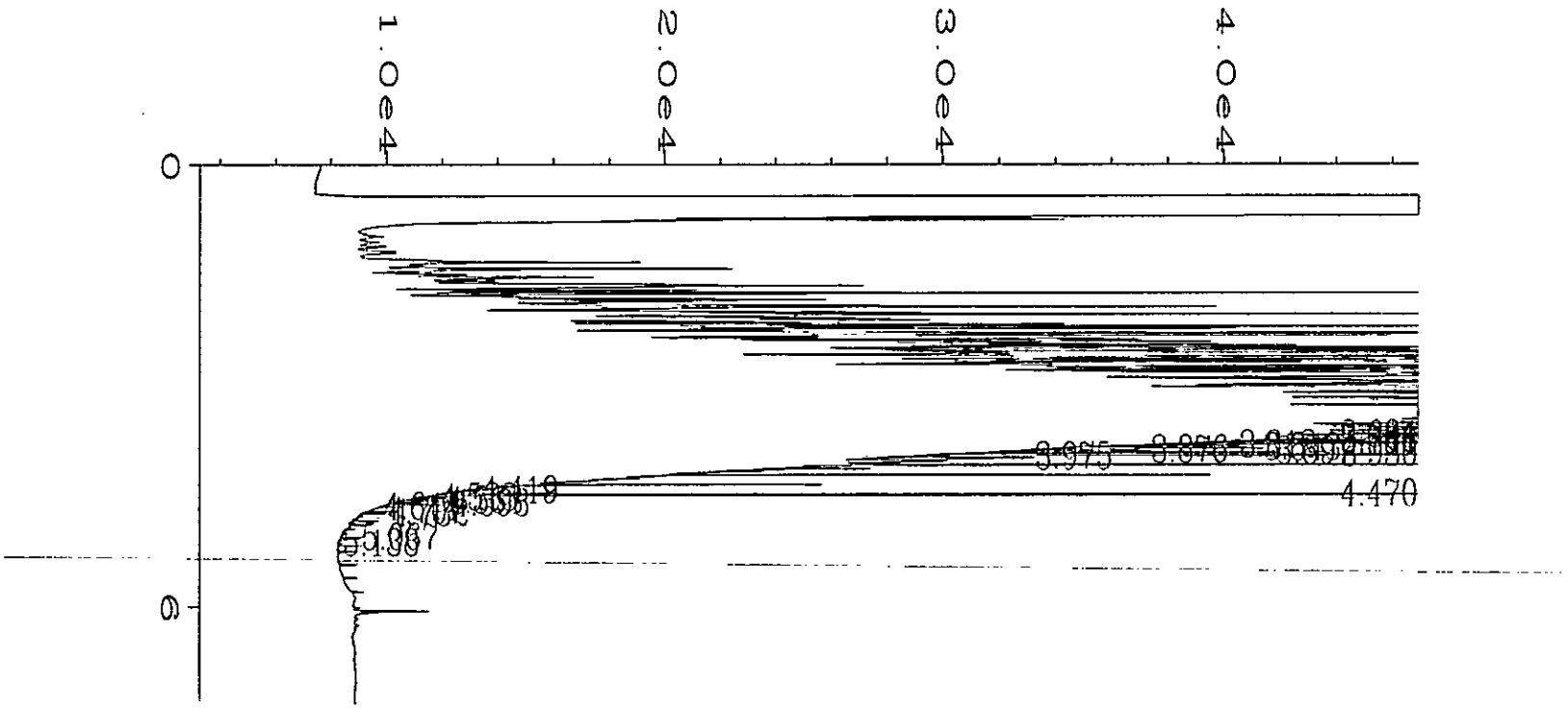
Data File Name : C:\HPCHEM\1\DATA\08-17-22\026F1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 lcsd
Run Time Bar Code:
Acquired on : 17 Aug 22 03:30 PM
Report Created on: 17 Aug 22 03:45 PM

Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-17-22\026F1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.06289E+009	9.52062E+007	PVA	0.186	99.4810
2	1.355	269801	53386	VV +	0.000	0.0253
3	2.532	2717398	141983	VVA	0.319	0.2543
4	3.858	2368965	224366	VV +	0.000	0.2217
5	4.832	159806	180070	VB +	0.000	0.0150
6	5.805	20667	3108	BV +	0.000	0.0019
7	6.905	8387	178	VB +	0.000	0.0008

Total area = 1.06843E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-17-22\026R1001.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 lcsd
Run Time Bar Code:
Acquired on : 17 Aug 22 03:30 PM
Report Created on: 17 Aug 22 03:45 PM

Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 10
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-17-22\026R1001.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.684	109551	237417	BV	0.008	31.4575
2	3.726	7541	11766	PV	0.011	2.1654
3	3.741	2772	3988	VV	0.012	0.7959
4	3.758	6846	10377	VV	0.011	1.9659
5	3.784	35325	77375	VV	0.008	10.1437
6	3.812	3336	4507	VV	0.012	0.9580
7	3.843	7020	7210	PV	0.015	2.0159
8	3.876	4646	4793	VV	0.015	1.3340
9	3.897	11021	10389	VV	0.016	3.1647
10	3.930	43080	65866	VV	0.012	12.3705
11	3.975	6013	5700	VBA	0.016	1.7265
12	4.419	736	806	BV	0.015	0.2114
13	4.470	104423	206037	PV	0.014	29.9851
14	4.523	1089	974	VV	0.019	0.3128
15	4.563	1194	1821	VV	0.015	0.3429
16	4.598	1647	2560	PV	0.013	0.4730
17	4.644	232	213	PV	0.016	0.0666
18	4.707	449	837	PV	0.009	0.1288
19	4.732	743	1178	PV	0.014	0.2134
20	5.067	466	802	BV	0.009	0.1339

21	5.138	119	166	PV	0.011	0.0343

Total area = 348251

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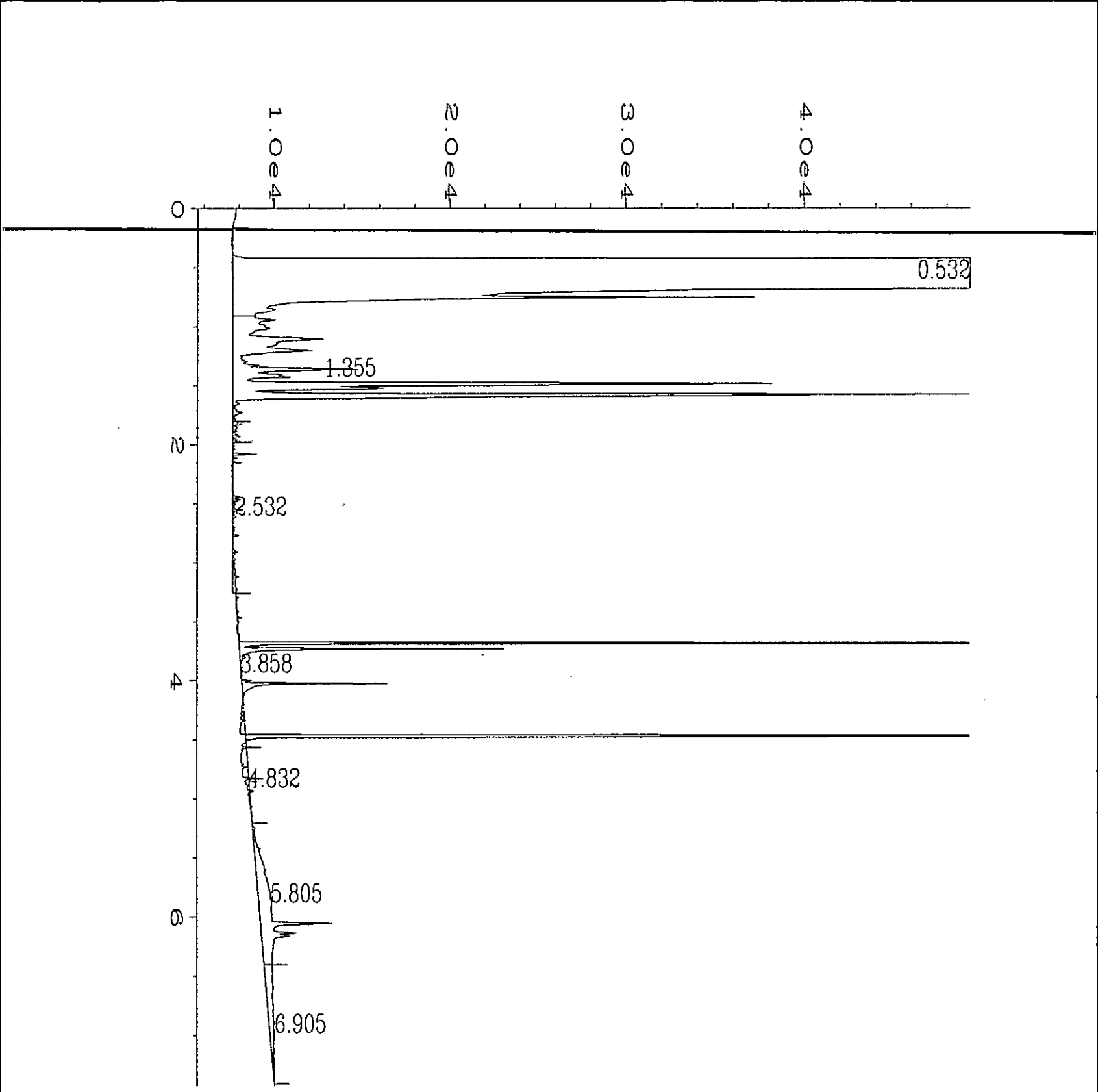
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-17-22\026F1001.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 26			
Sample Name : 02-2002 lcsd				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 10			
Acquired on	8/17/22	15:30		Instrume	DX.MTH		
Report Created on: 17 Aug 22 03:45 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	119	9.07E+03		6/7/22	
Pentacosane							
96	>4.45	<4.6	104423	1.09E+04		6/7/22	
o-Terphenyl							
100	>3.65	<3.75	109551	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
579	>1.80	<4.43	4.98E+06	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
563	>1.80	<6.40	5052743	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
12	>4.44	<6.40	75931	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	2335345	7.42E+03		12/30/21	
C12-C24							
781	>1.80	<4.50	4976812	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
350	>0.90	<3.08	2987199	8.53E+03		4/18/17	
Kerosene C8-C20							
521	>0.90	<4.50	5246613	1.01E+04		1/9/19	
Transformer Oil							
574	>2.2	<5.20	5032195	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	350						
TPHD (8-36)	272						
TPHDX (8-36)	260						
Motor Oil (8-36	361						



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\056F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 56
Sample Name	: 02-2002 mb2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 19 Aug 22 01:07 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 01:22 AM	Analysis Method	: DX.MTH

Area Percent Report

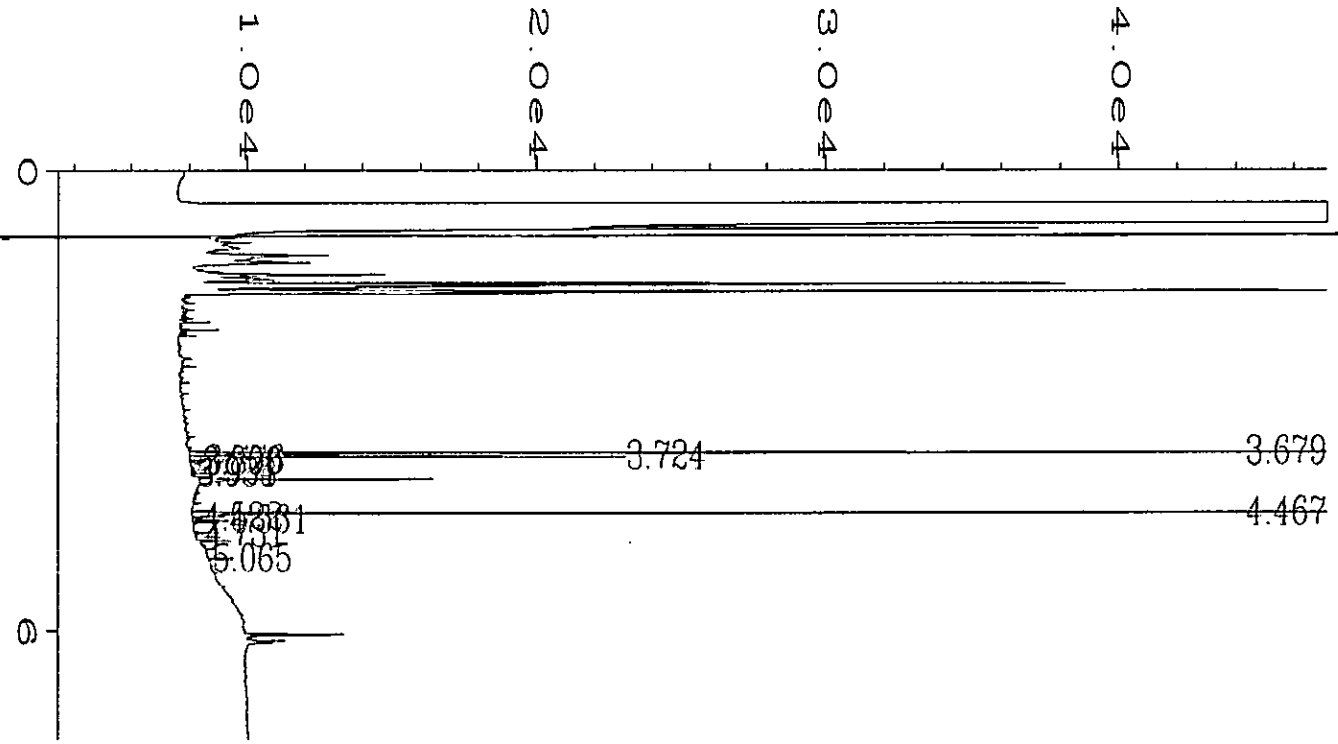
Data File Name : C:\HPCHEM\1\DATA\08-18-22\056F1101.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 mb2
Run Time Bar Code:
Acquired on : 19 Aug 22 01:07 AM
Report Created on: 19 Aug 22 01:22 AM

Page Number : 1
Vial Number : 56
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\056F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.15505E+009	9.89891E+007	PVA	0.194	99.9557
2	1.355	186591	39331	VV +	0.000	0.0161
3	2.532	9358	1195	VB +	0.000	0.0008
4	3.858	150632	176672	BV +	0.000	0.0130
5	4.832	109656	184198	VV +	0.000	0.0095
6	5.805	41672	3869	PV +	0.000	0.0036
7	6.905	14319	309	VV +	0.000	0.0012

Total area = 1.15557E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\056R1101.D
Operator : TL
Instrument : GC1
Sample Name : 02-2002 mb2
Run Time Bar Code:
Acquired on : 19 Aug 22 01:07 AM
Report Created on: 19 Aug 22 01:22 AM

Page Number : 1
Vial Number : 56
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\056R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.679	133361	278395	BV	0.012	50.5221
2	3.724	10106	15849	VV	0.011	3.8285
3	3.776	524	537	VV	0.016	0.1986
4	3.800	837	421	VV	0.029	0.3171
5	3.924	162	169	VV	0.016	0.0613
6	3.953	147	202	VV	0.013	0.0557
7	4.467	117176	228106	BV	0.008	44.3908
8	4.522	464	372	VV	0.019	0.1757
9	4.561	832	1319	VV	0.011	0.3152
10	4.731	251	357	PV	0.012	0.0952
11	5.065	105	150	BV	0.012	0.0398

Total area = 263965

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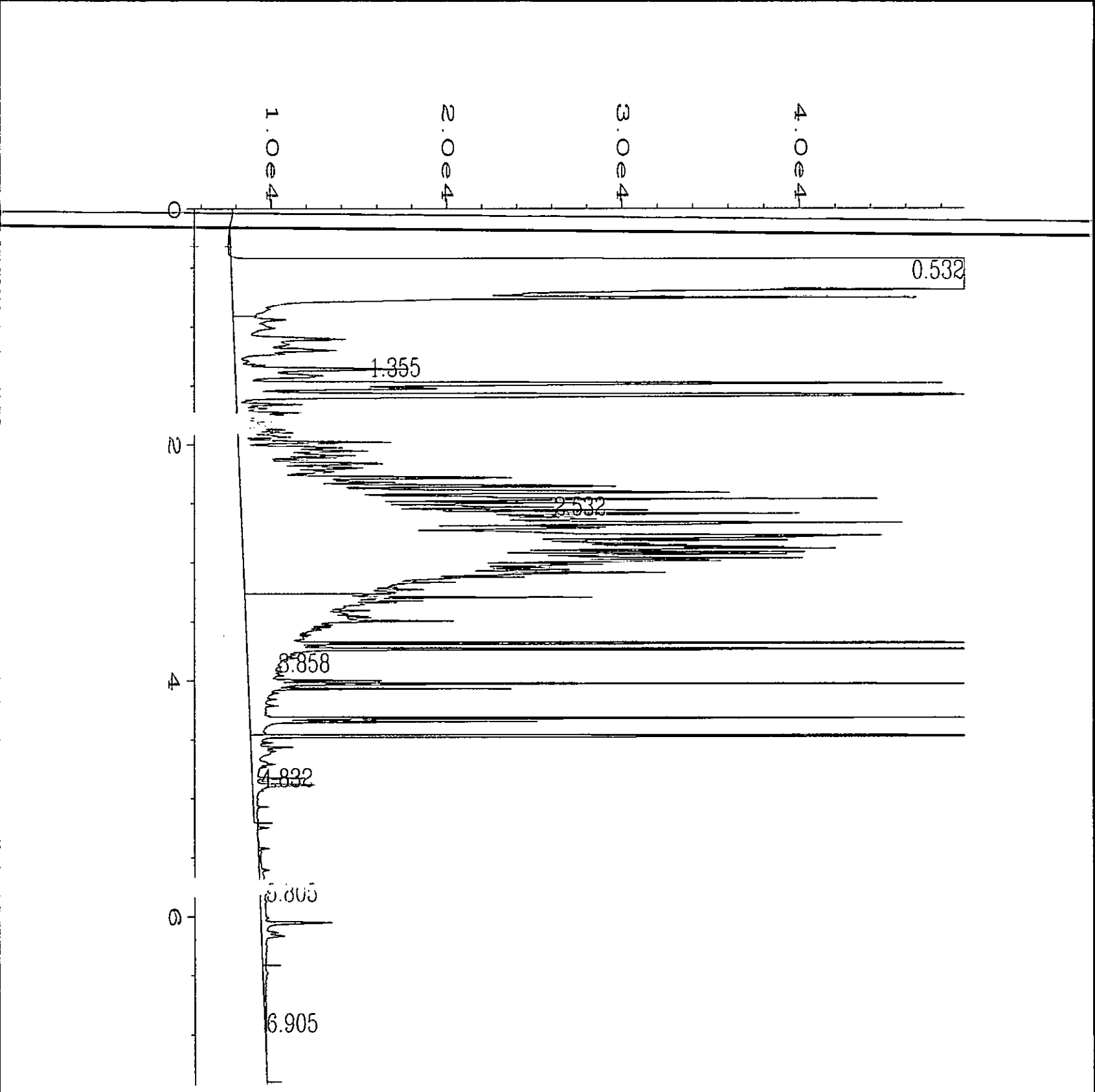
Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-18-22\056F1101.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 56			
Sample Name : 02-2002-mb2				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 11			
Acquired on	8/19/22	1:07		Instrume DX.MTH			
Report Created on: 19 Aug 22 01:22 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
108	>4.45	<4.6	117176	1.09E+04		6/7/22	
o-Terphenyl							
122	>3.65	<3.75	133361	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
3	>1.80	<4.43	2.66E+04	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
7	>1.80	<6.40	60780	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
5	>4.44	<6.40	34151	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	51422	7.42E+03		12/30/21	
C12-C24							
4	>1.80	<4.50	26629	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
23	>0.90	<3.08	195949	8.53E+03		4/18/17	
Kerosene C8-C20							
21	>0.90	<4.50	213220	1.01E+04		1/9/19	
Transformer Oil							
2	>2.2	<5.20	19109	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	23						
TPHD (8-36)	6						
TPHDX (8-36)	6						
Motor Oil (8-36	8						

NWTPH-Dx
Sample Chromatograms & Data



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\064F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 64
Sample Name	: 208257-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 19 Aug 22 03:12 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 03:27 AM	Analysis Method	: DX.MTH

Area Percent Report

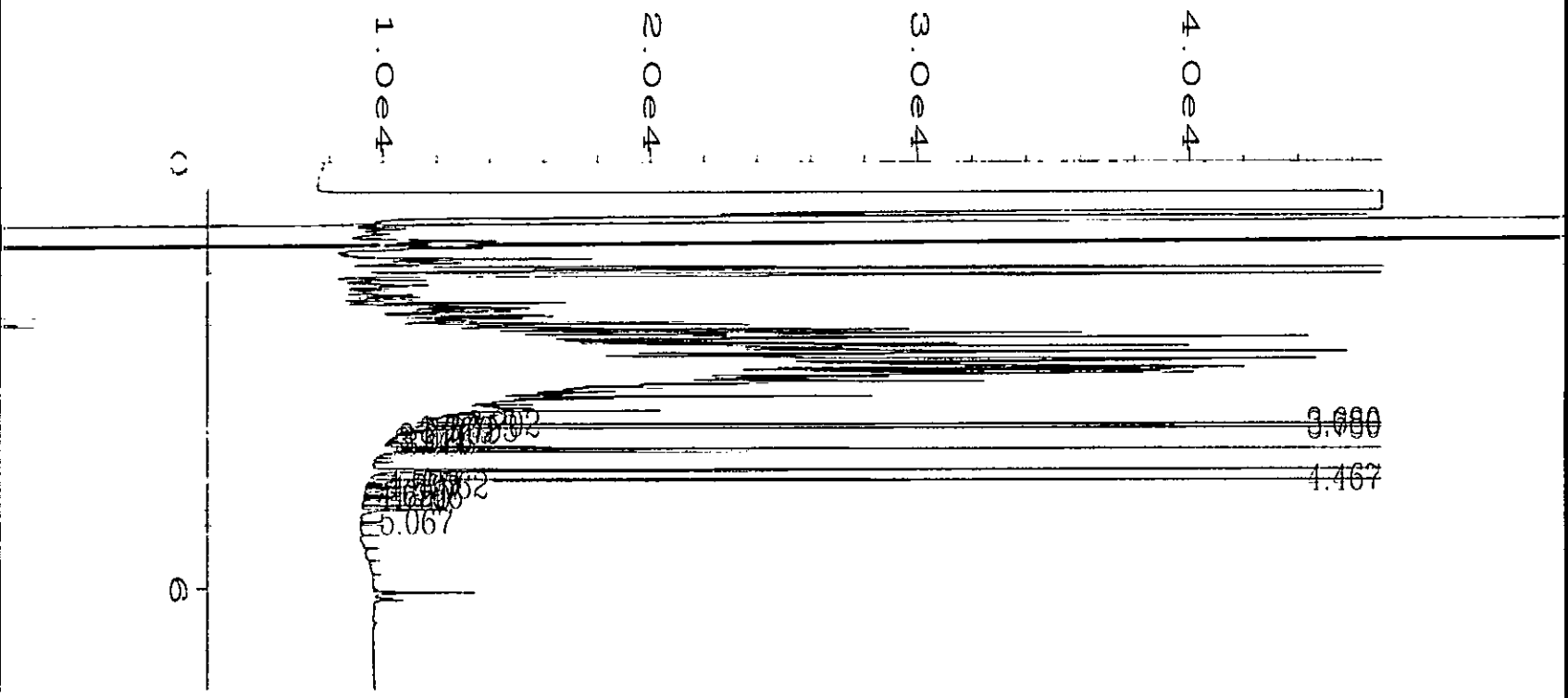
Data File Name : C:\HPCHEM\1\DATA\08-18-22\064F1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-01
Run Time Bar Code:
Acquired on : 19 Aug 22 03:12 AM
Report Created on: 19 Aug 22 03:27 AM

Page Number : 1
Vial Number : 64
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\064F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14648E+009	9.96544E+007	PVA	0.192	99.8262
2	1.355	250080	52028	VV +	0.000	0.0218
3	2.532	1100398	36319	VVA	0.505	0.0958
4	3.858	471461	231940	VV +	0.000	0.0411
5	4.832	148216	201010	VB +	0.000	0.0129
6	5.805	21310	3619	BVA	0.098	0.0019
7	6.905	4812	182	VB +	0.000	0.0004

Total area - 1.14848E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\064R1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-01
Run Time Bar Code:
Acquired on : 19 Aug 22 03:12 AM
Report Created on: 19 Aug 22 03:27 AM

Page Number : 1
Vial Number : 64
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\064R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.680	137576	281125	BV	0.012	44.9451
2	3.702	1210	1931	VV	0.010	0.3952
3	3.730	37242	70132	VV	0.009	12.1667
4	3.753	999	1333	VV	0.012	0.3265
5	3.779	456	598	VV	0.012	0.1490
6	3.802	699	944	VV	0.014	0.2285
7	3.878	158	287	VV	0.009	0.0515
8	3.926	332	440	PV	0.013	0.1085
9	3.941	182	303	VV	0.010	0.0596
10	3.956	478	664	VV	0.014	0.1563
11	4.467	121000	229902	BV	0.017	39.5299
12	4.523	419	716	VV	0.009	0.1370
13	4.562	1167	2060	PV	0.009	0.3811
14	4.577	643	775	VV	0.014	0.2101
15	4.597	1667	929	VV	0.030	0.5447
16	4.691	391	462	VV	0.014	0.1278
17	4.706	733	979	VV	0.012	0.2396
18	4.730	315	482	VV	0.010	0.1031
19	5.067	427	704	BV	0.010	0.1396

Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-18-22\064F1101.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 64

Sample Name : 208257-01 | Injection Number : 1

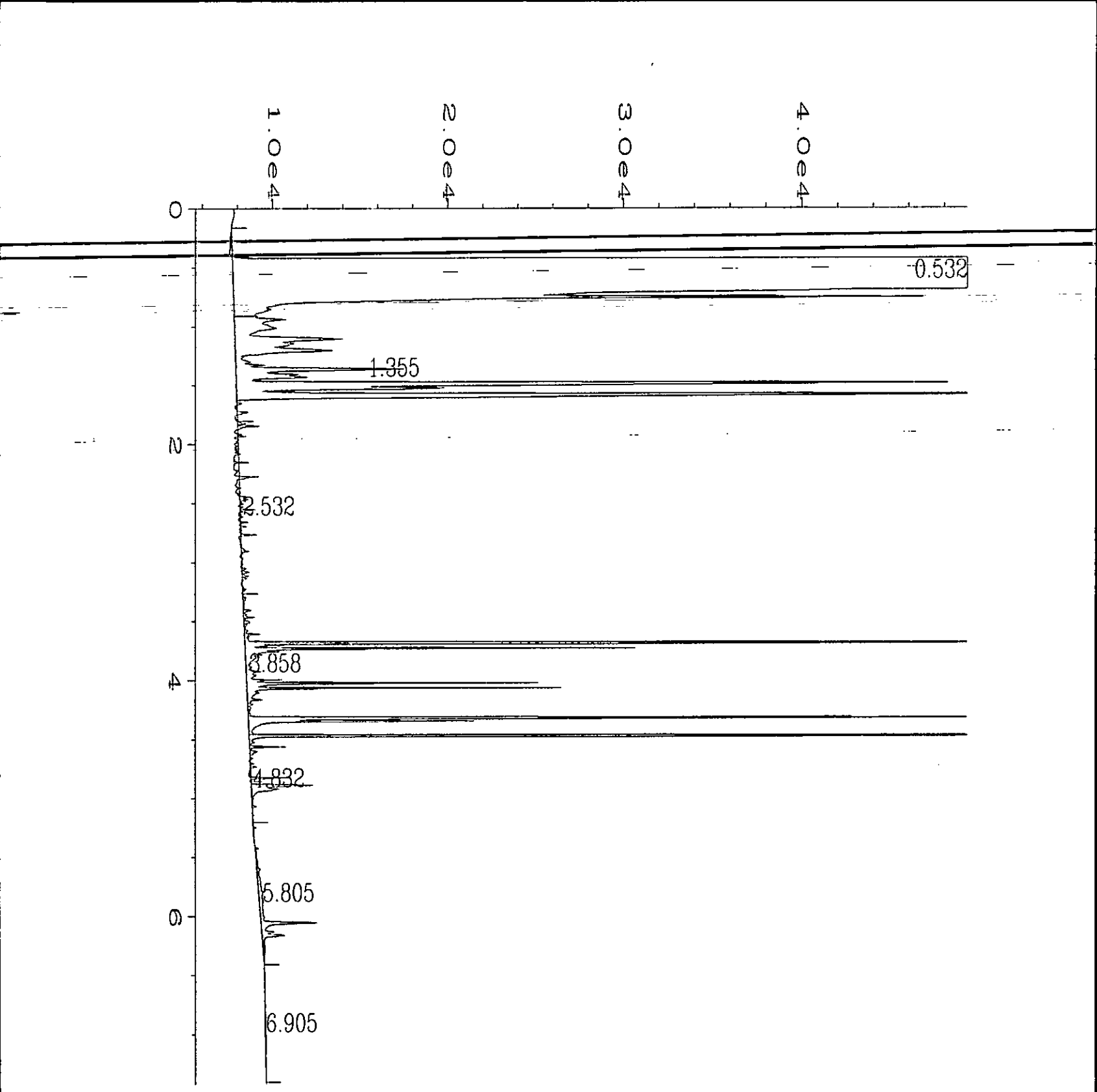
Run Time Bar Code: | Sequence Line : 11

Acquired on 8/19/22 3:12 | Instrume DX-MTH

Report Created on: 19 Aug 22 03:27 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
0	>5.1	<5.2	0	9.07E+03		6/7/22
Pentacosane						
111	>4.45	<4.6	121000	1.09E+04		6/7/22
o-Terphenyl						
126	>3.65	<3.75	137576	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
167	>1.80	<4.43	1.43E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
165	>1.80	<6.40	1482808	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
7	>4.44	<6.40	48525	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	382410	7.42E+03		12/30/21
C12-C24						
225	>1.80	<4.50	1434283	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
158	>0.90	<3.08	1350478	8.53E+03		4/18/17
Kerosene C8-C20						
167	>0.90	<4.50	1684363	1.01E+04		1/9/19
Transformer Oil						
167	>2.2	<5.20	1461499	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	158
TPHD (8-36)	44
TPHDX (8-36)	43
Motor Oil (8-36	59



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\065F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 65
Sample Name	: 208257-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 19 Aug 22 03:27 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 03:43 AM	Analysis Method	: DX.MTH

Area Percent Report

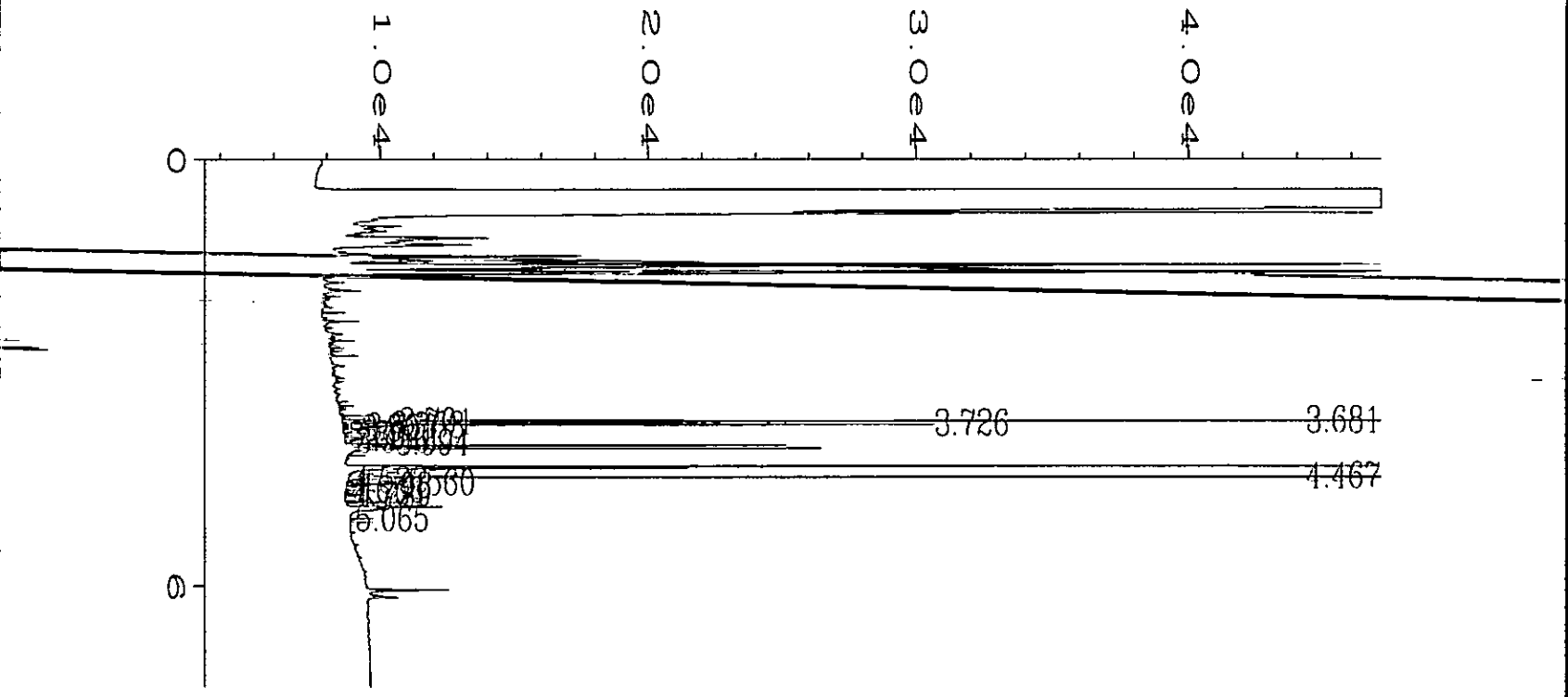
Data File Name : C:\HPCHEM\1\DATA\08-18-22\065F1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-02
Run Time Bar Code:
Acquired on : 19 Aug 22 03:27 AM
Report Created on: 19 Aug 22 03:43 AM

Page Number : 1
Vial Number : 65
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\065F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14804E+009	9.86811E+007	PVA	0.194	99.9450
2	1.355	236907	54609	VV +	0.000	0.0206
3	2.532	1136	1084	VVA	0.017	0.0001
4	3.858	246017	249518	PV +	0.000	0.0214
5	4.832	133862	194339	VV +	0.000	0.0117
6	5.805	13330	3064	PB +	0.000	0.0012
7	6.905	1056	62	BB +	0.000	0.0001

Total area = 1.14867E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\065R1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-02
Run Time Bar Code:
Acquired on : 19 Aug 22 03:27 AM
Report Created on: 19 Aug 22 03:43 AM

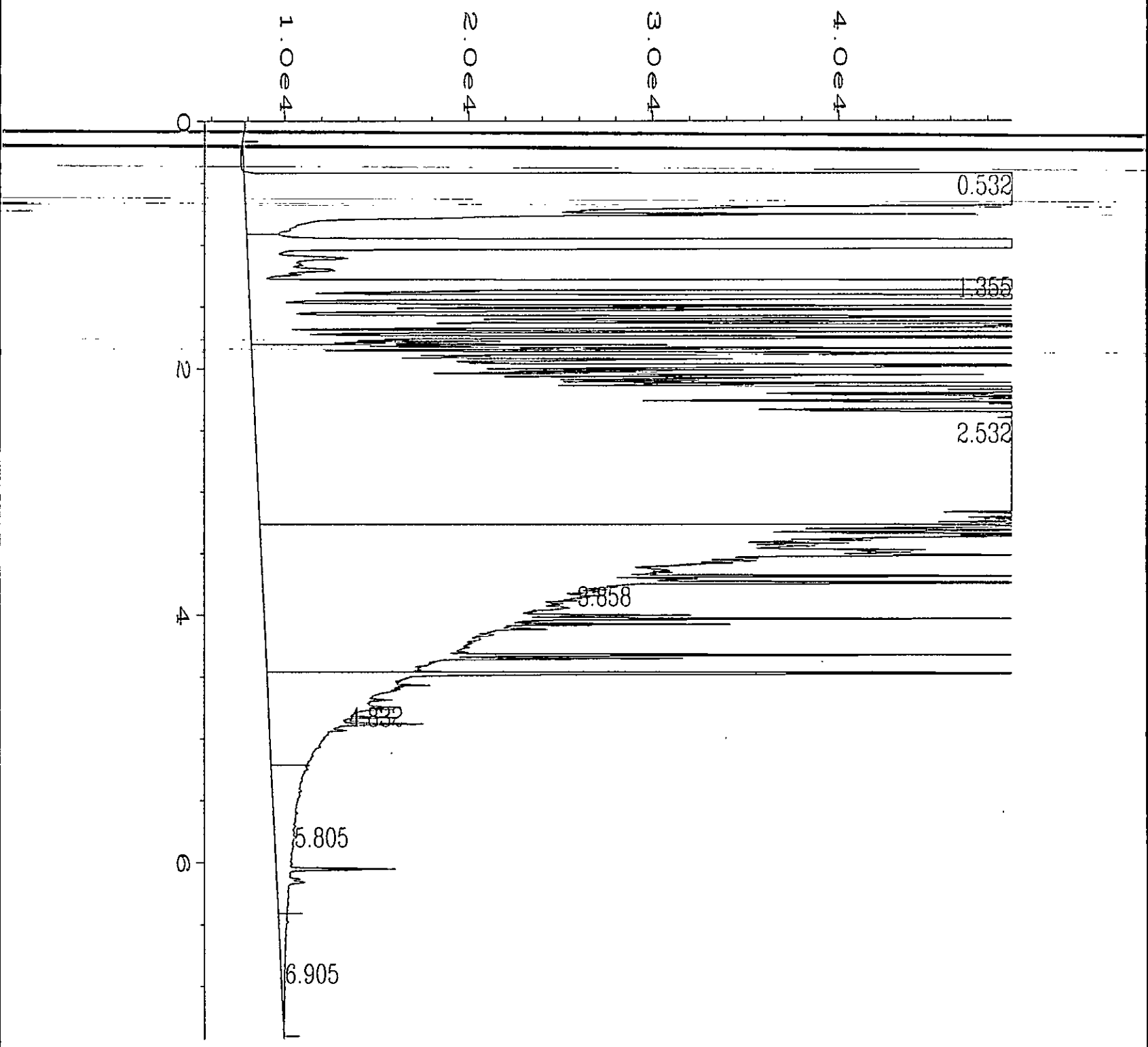
Page Number : 1
Vial Number : 65
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\065R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.681	138617	294328	BV	0.008	48.5748
2	3.701	1339	2184	VV	0.010	0.4690
3	3.726	12759	23178	VV	0.009	4.4709
4	3.753	1504	1817	VV	0.014	0.5270
5	3.777	737	876	VV	0.014	0.2581
6	3.801	1013	686	VV	0.025	0.3550
7	3.884	131	155	PV	0.013	0.0461
8	3.922	803	729	VV	0.016	0.2813
9	3.956	516	410	VV	0.018	0.1807
10	3.994	1249	1937	VBA	0.011	0.4375
11	4.467	123982	248801	BV	0.008	43.4466
12	4.522	139	232	VV	0.012	0.0489
13	4.560	1102	2089	PV	0.008	0.3860
14	4.598	668	462	VV	0.024	0.2340
15	4.656	131	197	VV	0.010	0.0459
16	4.704	169	291	PV	0.009	0.0591
17	4.729	361	480	VBA	0.014	0.1266
18	5.065	150	221	BV	0.011	0.0526

Total area = 285367

Last modified 06-07-2022 TL			TPHDSL.XLS				
Data File Name : C:\HPCHEM\1\DATA\08-18-22\065F1101.D							
Operator : TL				Page Number : 1			
Instrument : GC1				Vial Number : 65			
Sample Name : 208257-02				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 11			
Acquired on	8/19/22	3:27		Instrume	DX.MTH		
Report Created on: 19 Aug 22 03:43 AM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.1	<5.2	0	9.07E+03		6/7/22	
Pentacosane							
114	>4.45	<4.6	123982	1.09E+04		6/7/22	
o-Terphenyl							
127	>3.65	<3.75	138617	1.09E+04		5/31/22	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
13	>1.80	<4.43	1.09E+05	8.59E+03		1/19/22	
NWTPH-DX, start C10 - end C36							
15	>1.80	<6.40	131745	8.97E+03		1/19/22	
Motor Oil, start C25 - end C36							
4	>4.44	<6.40	23209	6.47E+03		6/7/22	
Heavy Oil, start C17- end C36							
#REF!	>3.08	<6.40	130609	7.42E+03		12/30/21	
C12-C24							
17	>1.80	<4.50	108536	6.37E+03		6/22/11	
Stoddard, start C8 - end C11							
28	>0.90	<3.08	238043	8.53E+03		4/18/17	
Kerosene C8-C20							
34	>0.90	<4.50	345443	1.01E+04		1/9/19	
Transformer Oil							
14	>2.2	<5.20	118416	8.76E+03		3/24/21	
Calibration Info:							
Stoddard (8-11)	28						
TPHD (8-36)	15						
TPHDX (8-36)	15						
Motor Oil (8-36	20						



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\066F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 66
Sample Name	: 208257-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 19 Aug 22 03:43 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 03:58 AM	Analysis Method	: DX.MTH

Area Percent Report

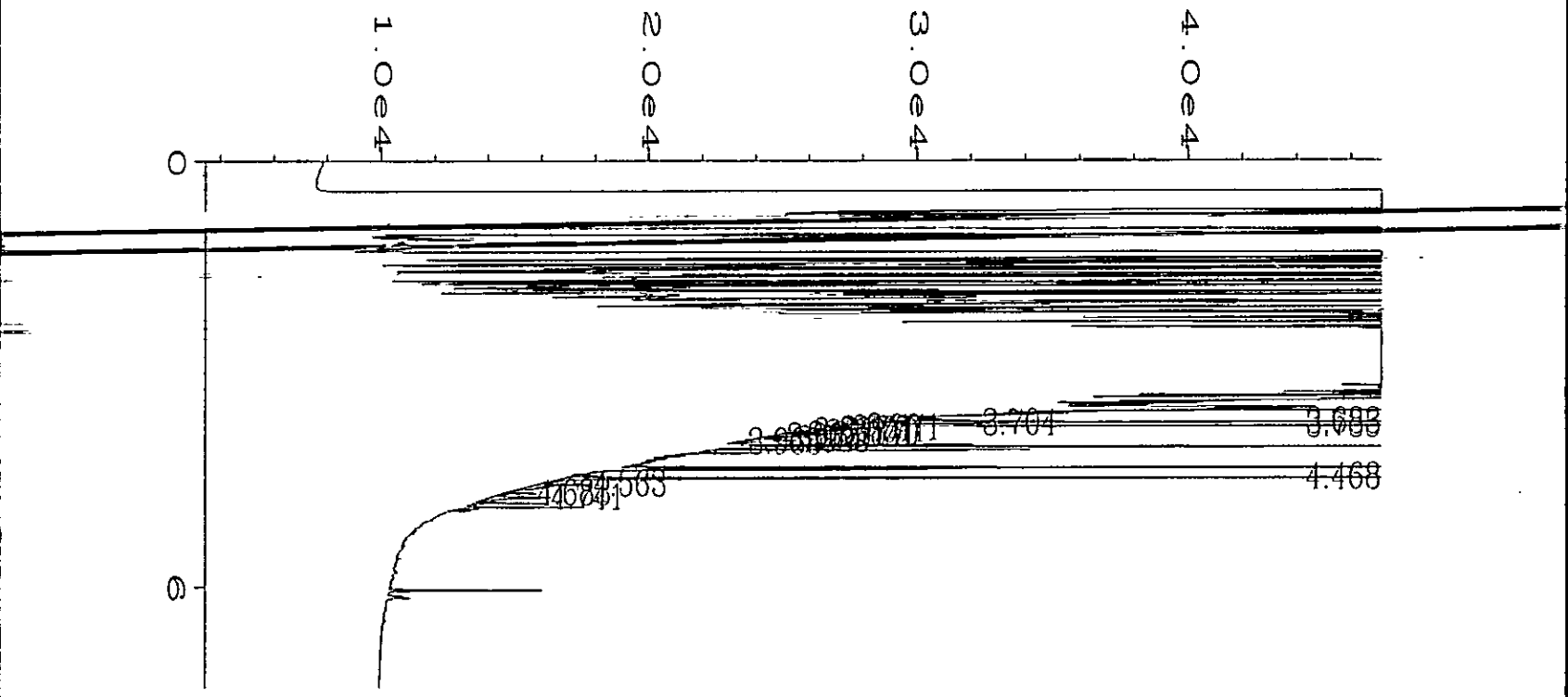
Data File Name : C:\HPCHEM\1\DATA\08-18-22\066F1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-03
Run Time Bar Code:
Acquired on : 19 Aug 22 03:43 AM
Report Created on: 19 Aug 22 03:58 AM

Page Number : 1
Vial Number : 66
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\066F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.14041E+009	9.91347E+007	PVA	0.192	97.5937
2	1.355	1.95462E+007	5135925	VV +	0.000	1.6727
3	2.532	6445067	459843	VVA	0.234	0.5516
4	3.858	1694344	266277	VV +	0.000	0.1450
5	4.832	337846	220390	VVA	0.026	0.0289
6	5.805	82803	6141	VVA	0.225	0.0071
7	6.905	12526	388	VB +	0.000	0.0011

Total area = 1.16853E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\066R1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-03
Run Time Bar Code:
Acquired on : 19 Aug 22 03:43 AM
Report Created on: 19 Aug 22 03:58 AM

Page Number : 1
Vial Number : 66
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\066R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.683	138196	299298	BV	0.012	40.8394
2	3.704	3700	4794	PV	0.013	1.0934
3	3.735	49996	88333	VV	0.012	14.7747
4	3.771	1461	1757	VV	0.014	0.4317
5	3.791	855	1735	VV	0.008	0.2527
6	3.804	1332	1563	VV	0.014	0.3936
7	3.827	439	969	PV	0.008	0.1298
8	3.840	1278	2374	VV	0.009	0.3777
9	3.853	1495	1801	VV	0.014	0.4419
10	3.879	1306	1537	VV	0.013	0.3861
11	3.903	1056	1120	VV	0.016	0.3122
12	3.939	2972	2034	VV	0.024	0.8782
13	3.968	334	624	VV	0.009	0.0987
14	4.468	125757	231309	PV	0.020	37.1635
15	4.563	3320	2195	VV	0.028	0.9812
16	4.683	1246	1370	PV	0.015	0.3682
17	4.741	3644	2377	VBA	0.028	1.0770

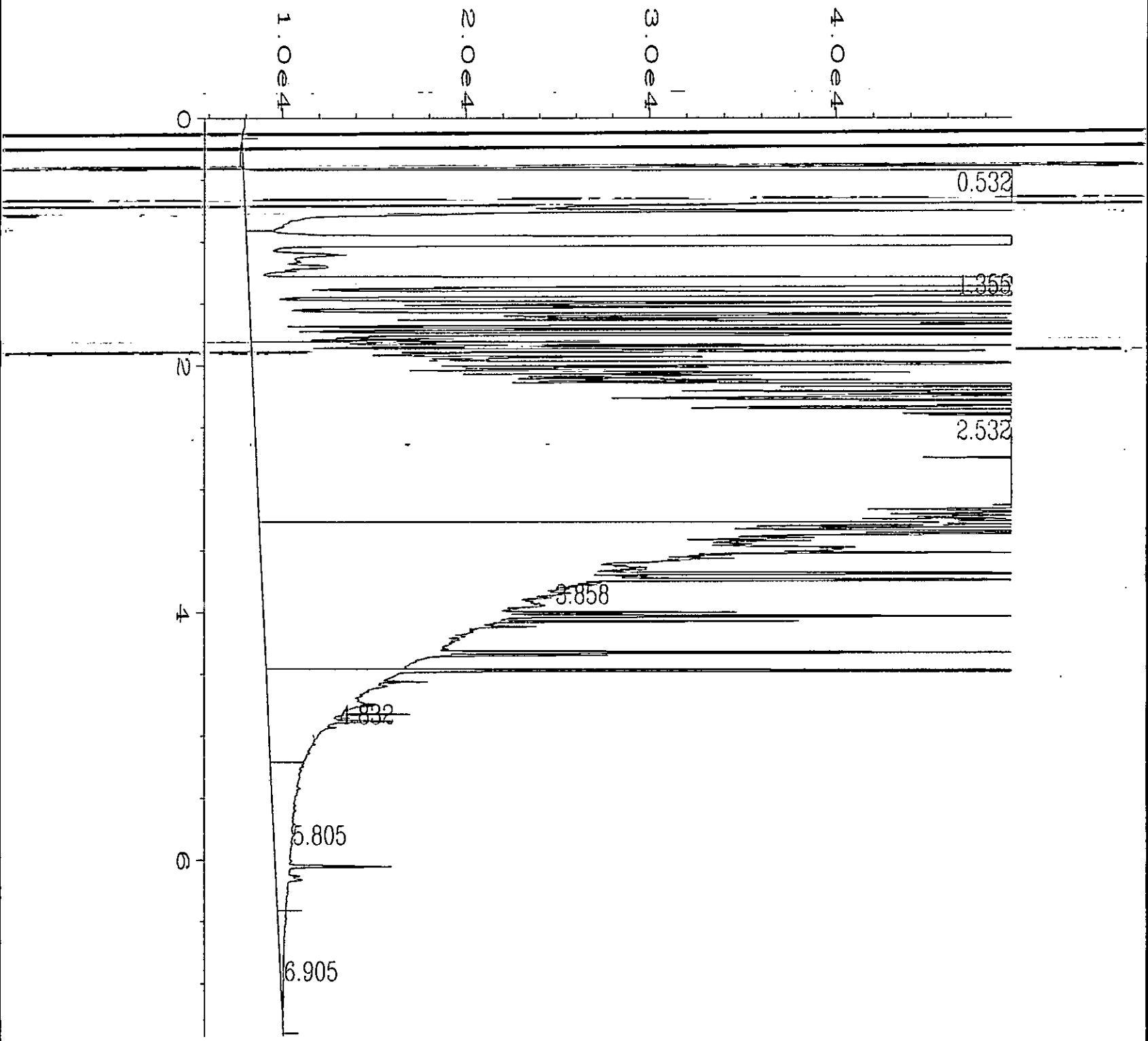
Total area = 338388

Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-18-22\066F1101.D
Operator : TL | Page Number : 1
Instrument : GC1 | Vial Number : 66
Sample Name : 208257-03 | Injection Number : 1
Run Time Bar Code: | Sequence Line : 11
Acquired on 8/19/22 3:43 | Instrume DX.MTH
Report Created on: 19 Aug 22 03:58 AM | Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
0	>5.1	<5.2	0	9.07E+03		6/7/22
Pentacosane						
116	>4.45	<4.6	125757	1.09E+04		6/7/22
o-Terphenyl						
127	>3.65	<3.75	138196	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
931	>1.80	<4.43	8.00E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
925	>1.80	<6.40	8296106	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
46	>4.44	<6.40	294891	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	1851039	7.42E+03		12/30/21
C12-C24						
1256	>1.80	<4.50	8001215	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
3047	>0.90	<3.08	25991267	8.53E+03		4/18/17
Kerosene C8-C20						
2736	>0.90	<4.50	27547415	1.01E+04		1/9/19
Transformer Oil						
937	>2.2	<5.20	8213304	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	3047
TPHD (8-36)	215
TPHDX (8-36)	206
Motor Oil (8-36	286



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\067F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 67
Sample Name	: 208257-04	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 19 Aug 22 03:59 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 04:14 AM	Analysis Method	: DX.MTH

Area Percent Report

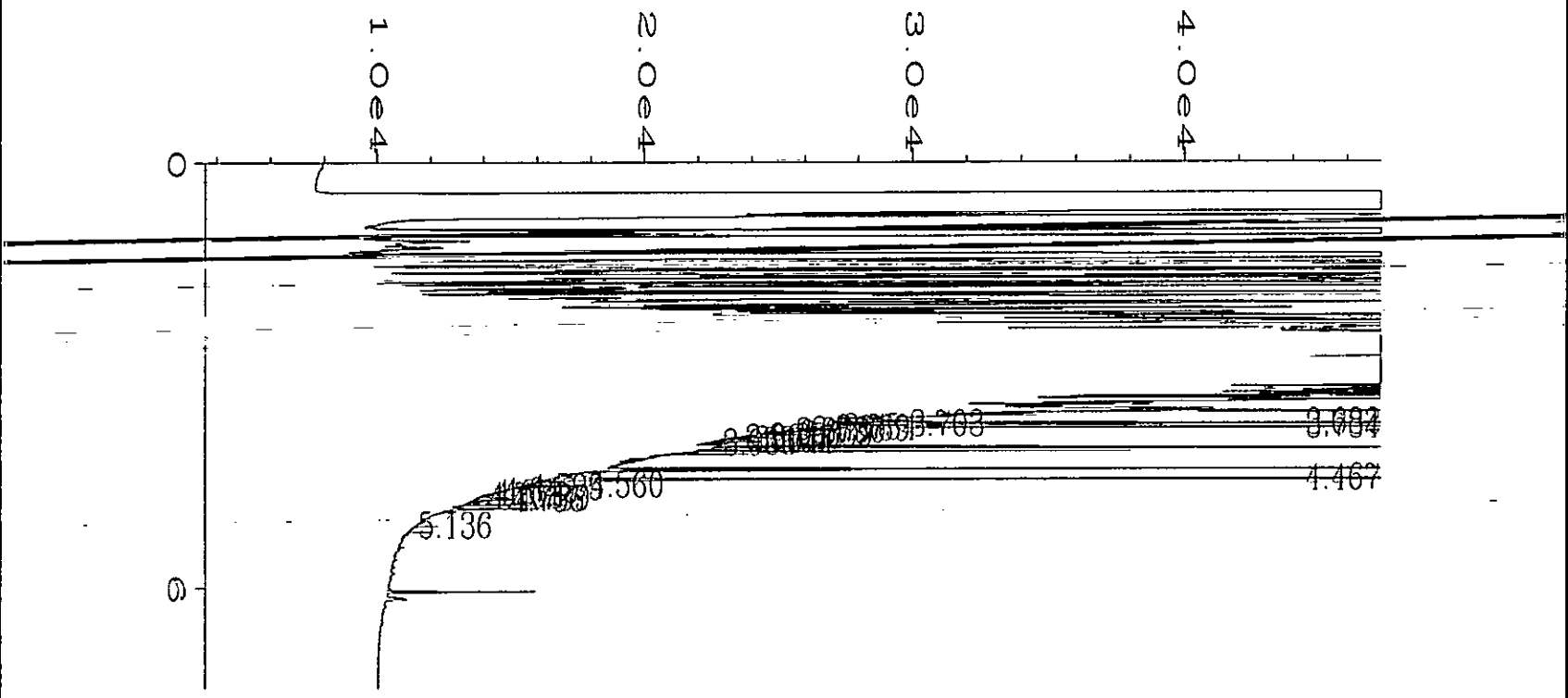
Data File Name : C:\HPCHEM\1\DATA\08-18-22\067F1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-04
Run Time Bar Code:
Acquired on : 19 Aug 22 03:59 AM
Report Created on: 19 Aug 22 04:14 AM

Page Number : 1
Vial Number : 67
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\067F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	1.11682E+009	9.66829E+007	PVA	0.193	98.0607
2	1.355	1.43735E+007	4351607	VV +	0.000	1.2620
3	2.532	5694250	425664	VVA	0.223	0.5000
4	3.858	1607047	273112	VV +	0.000	0.1411
5	4.832	320668	206234	VVA	0.026	0.0282
6	5.805	79782	5848	VVA	0.227	0.0070
7	6.905	11470	330	VB +	0.000	0.0010

Total area = 1.13891E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\067R1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-04
Run Time Bar Code:
Acquired on : 19 Aug 22 03:59 AM
Report Created on: 19 Aug 22 04:14 AM

Page Number : 1
Vial Number : 67
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\067R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.682	140381	289297	BV	0.008	41.0643
2	3.703	2058	3147	PV	0.011	0.6019
3	3.734	51773	87644	VV	0.010	15.1447
4	3.754	983	1683	VV	0.010	0.2875
5	3.769	1002	1749	VV	0.010	0.2931
6	3.790	642	1215	VV	0.009	0.1879
7	3.805	890	956	PV	0.016	0.2603
8	3.839	2542	1738	VV	0.021	0.7437
9	3.880	982	1406	VV	0.011	0.2874
10	3.901	387	883	PV	0.007	0.1133
11	3.924	1595	1501	VV	0.018	0.4665
12	3.941	2196	1952	VV	0.019	0.6425
13	3.966	496	790	VV	0.010	0.1451
14	4.467	129615	244456	BV	0.009	37.9150
15	4.560	1391	2669	VV	0.009	0.4070
16	4.595	976	771	VV	0.018	0.2854
17	4.642	186	257	VV	0.012	0.0545
18	4.671	269	233	PV	0.019	0.0787
19	4.708	336	308	PV	0.016	0.0982
20	4.739	1435	1560	VV	0.015	0.4198

21	4.756	1487	1459	VV	0.015	0.4351
22	5.136	233	184	PV	0.018	0.0681

Total area = 341857

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Last modified 06-07-2022 TL | TPHDSL.XLS

Data File Name : C:\HPCHEM\1\DATA\08-18-22\067F1101.D

Operator : TL | Page Number : 1

Instrument : GC1 | Vial Number : 67

Sample Name : 208257-04 | Injection Number : 1

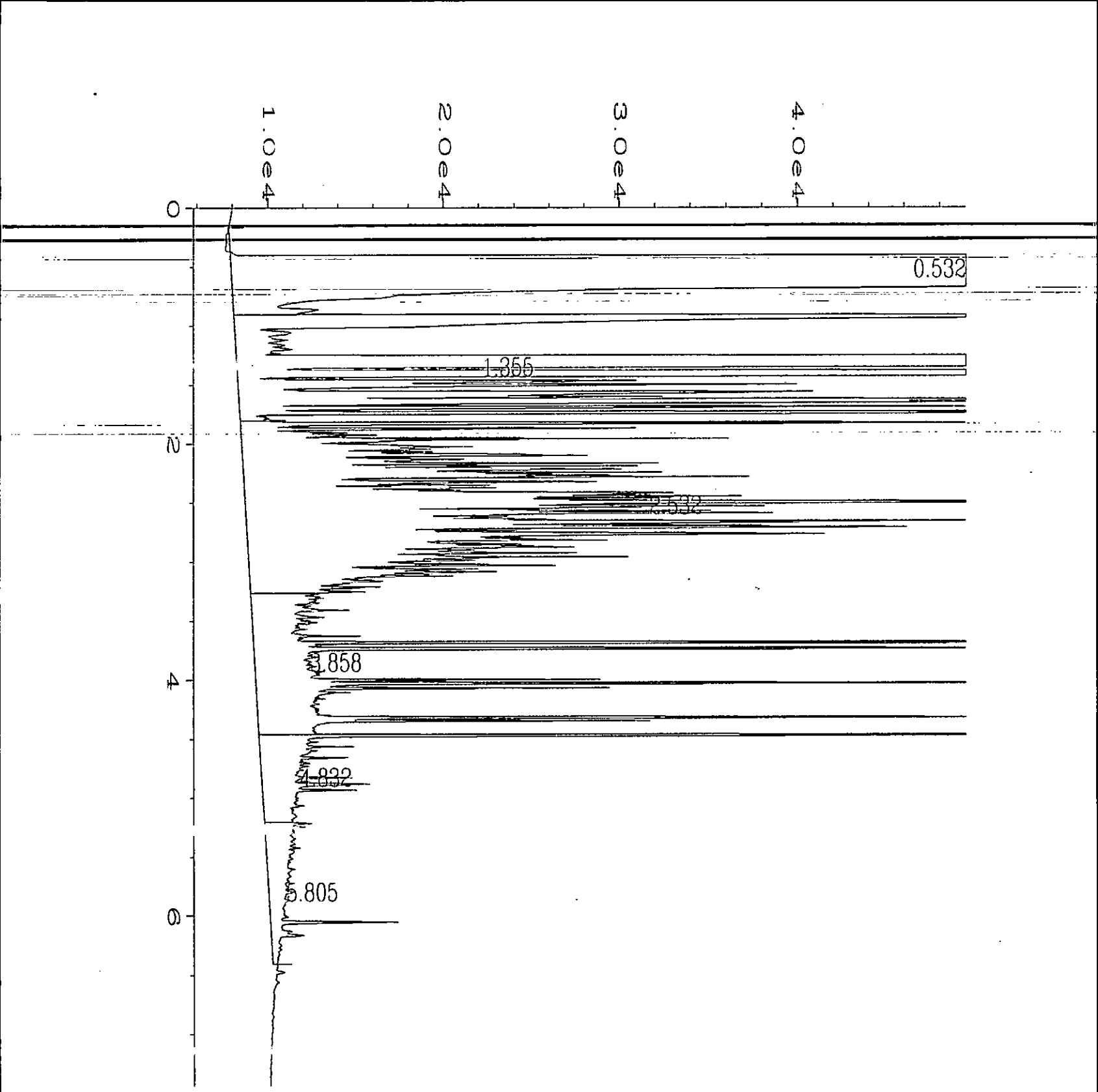
Run Time Bar Code: | Sequence Line : 11

Acquired on 8/19/22 3:59 | Instrume DX.MTH

Report Created on: 19-Aug-22 04:14 AM | Analysis Method : DX:MTH

Surr / IS	Ret Time window		Area	Avg. Area		Calibrated
Triacontane						
0	>5.1	<5.2	233	9.07E+03		6/7/22
Pentacosane						
119	>4.45	<4.6	129615	1.09E+04		6/7/22
o-Terphenyl						
129	>3.65	<3.75	140381	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
833	>1.80	<4.43	7.16E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
829	>1.80	<6.40	7431518	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
42	>4.44	<6.40	270602	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	1737268	7.42E+03		12/30/21
C12-C24						
1124	>1.80	<4.50	7160916	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
2353	>0.90	<3.08	20067750	8.53E+03		4/18/17
Kerosene C8-C20						
2139	>0.90	<4.50	21534416	1.01E+04		1/9/19
Transformer Oil						
839	>2.2	<5.20	7351969	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	2353
TPHD (8-36)	202
TPHDX (8-36)	194
Motor Oil (8-36	268



Data File Name	: C:\HPCHEM\1\DATA\08-18-22\068F1101.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 68
Sample Name	: 208257-05	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 11
Acquired on	: 19 Aug 22 04:14 AM	Instrument Method	: DX.MTH
Report Created on	: 19 Aug 22 04:29 AM	Analysis Method	: DX.MTH

Area Percent Report

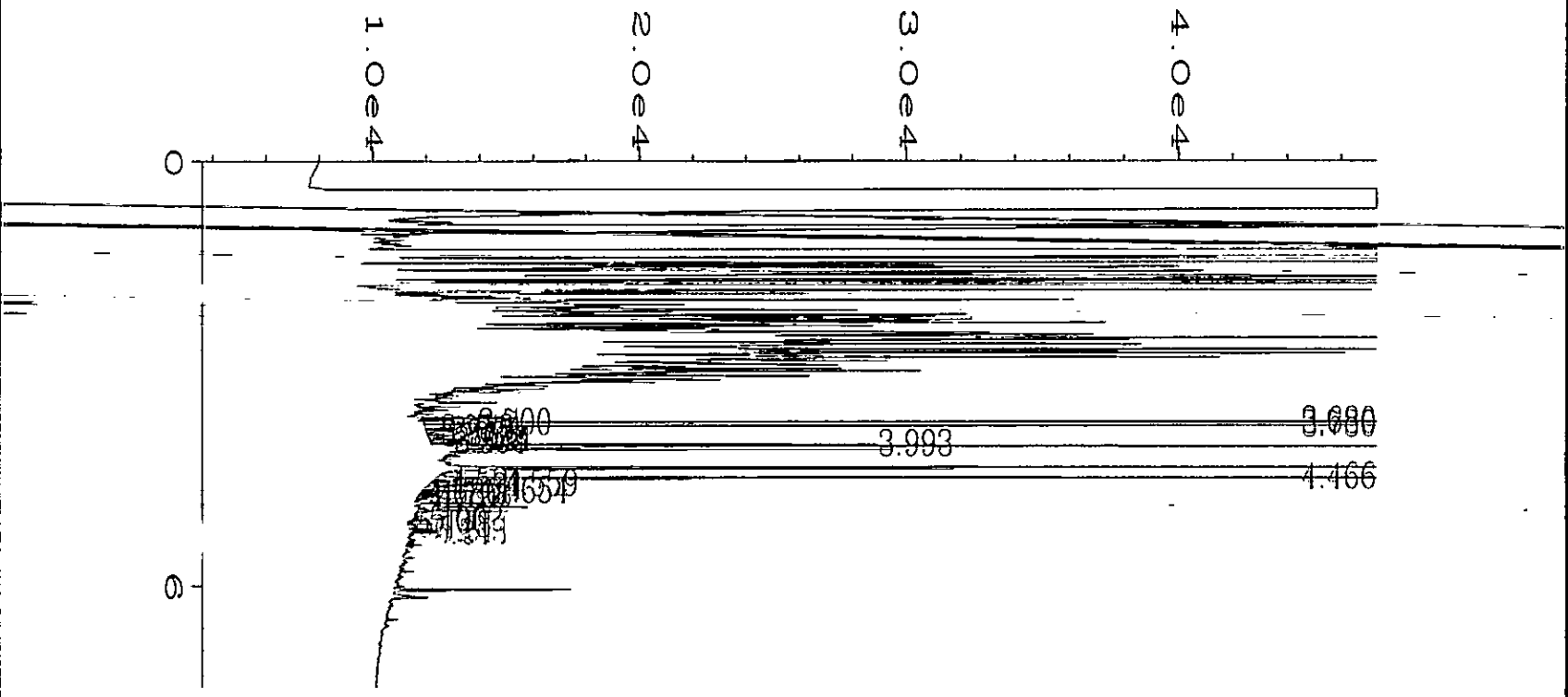
Data File Name : C:\HPCHEM\1\DATA\08-18-22\068F1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-05
Run Time Bar Code:
Acquired on : 19 Aug 22 04:14 AM
Report Created on: 19 Aug 22 04:29 AM

Page Number : 1
Vial Number : 68
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08-18-22\068F1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.532	6.75363E+008	7.69219E+007	PV +	0.000	98.1751
2	1.355	1.04063E+007	3965437	VV +	0.000	1.5127
3	2.532	1220443	66642	VVA	0.305	0.1774
4	3.858	599168	244850	VV +	0.000	0.0871
5	4.832	247361	208125	VV +	0.000	0.0360
6	5.805	80618	6978	VB +	0.000	0.0117

Total area = 6.87917E+008



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Area Percent Report

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Data File Name : C:\HPCHEM\1\DATA\08-18-22\068R1101.D
Operator : TL
Instrument : GC1
Sample Name : 208257-05
Run Time Bar Code:
Acquired on : 19 Aug 22 04:14 AM
Report Created on: 19 Aug 22 04:29 AM

Page Number : 1
Vial Number : 68
Injection Number : 1
Sequence Line : 11
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\1\DATA\08-18-22\068R1101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.680	147475	294850	BV	0.008	38.7536
2	3.700	1476	2045	VV	0.012	0.3878
3	3.730	65284	111562	VV	0.009	17.1555
4	3.778	565	554	VV	0.017	0.1484
5	3.801	883	941	VV	0.016	0.2319
6	3.843	511	506	PV	0.017	0.1344
7	3.863	261	490	VV	0.009	0.0685
8	3.880	845	754	VV	0.016	0.2220
9	3.924	886	1125	VV	0.014	0.2329
10	3.938	558	922	VV	0.010	0.1467
11	3.954	1037	899	VV	0.019	0.2725
12	3.993	9546	17277	VBA	0.009	2.5084
13	4.466	141534	284381	BV	0.014	37.1924
14	4.521	435	727	PV	0.011	0.1142
15	4.559	2003	3012	VV	0.012	0.5263
16	4.594	1351	914	VV	0.021	0.3551
17	4.654	1604	2937	PV	0.009	0.4216
18	4.680	167	262	VV	0.011	0.0439
19	4.703	530	753	VV	0.012	0.1393
20	4.727	556	726	VV	0.012	0.1462

21	4.757	432	476	VV	0.014	0.1135
22	5.062	508	703	BV	0.012	0.1335
23	5.100	219	252	PV	0.014	0.0576
24	5.148	694	363	VV	0.025	0.1825
25	5.211	830	1252	VV	0.011	0.2180
26	5.243	355	724	PBA	0.008	0.0934

Total area = 380544

Last modified 06-07-2022 TL			TPHDSL.XLS			
Data File Name : C:\HPCHEM\1\DATA\08-18-22\068F1101.D						
Operator : TL				Page Number : 1		
Instrument : GC1				Vial Number : 68		
Sample Name : 208257-05				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 11		
Acquired on	8/19/22	4:14		Instrume	DX.MTH	
Report Created on: 19-Aug-22 04:29 AM				Analysis Method : DX-MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
1	>5.1	<5.2	694	9.07E+03		6/7/22
Pentacosane						
130	>4.45	<4.6	141534	1.09E+04		6/7/22
o-Terphenyl						
135	>3.65	<3.75	147475	1.09E+04		5/31/22
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
195	>1.80	<4.43	1.67E+06	8.59E+03		1/19/22
NWTPH-DX, start C10 - end C36						
207	>1.80	<6.40	1857887	8.97E+03		1/19/22
Motor Oil, start C25 - end C36						
29	>4.44	<6.40	185751	6.47E+03		6/7/22
Heavy Oil, start C17- end C36						
#REF!	>3.08	<6.40	637444	7.42E+03		12/30/21
C12-C24						
262	>1.80	<4.50	1672136	6.37E+03		6/22/11
Stoddard, start C8 - end C11						
1363	>0.90	<3.08	11626743	8.53E+03		4/18/17
Kerosene C8-C20						
1200	>0.90	<4.50	12078436	1.01E+04		1/9/19
Transformer Oil						
203	>2.2	<5.20	1777963	8.76E+03		3/24/21

Calibration Info:	
Stoddard (8-11)	1363
TPHD (8-36)	74
TPHDX (8-36)	71
Motor Oil (8-36	98

EPA 6020B
MDLs

Method 200.8/6020B Water Standard Mode
Initial Method Detection Limit (iMDL) Study

Location: G:\fbi\MDLs\icp_ms\2022_ICPMS.xls
Analyst: SP
Units: µg/L (ppb)
Spike Levels: 0.5 µg/L (ppb) most metals and 25 µg/L (ppb) for Iron

Analyte	Ion	Spike Level	MDL (2.998*STD)	PQL (2*MDL)	PQL (5*MDL)	STD DEV
Antimony	Sb 121	0.500	0.100	0.200	0.500	0.017
	Sb 123	0.500	**0.0977**	0.195	0.488	0.017
Arsenic	As-2 75	0.500	0.0810	0.162	0.405	0.022
	As 75	0.500	**0.0781**	0.156	0.391	0.021
Barium	Ba 135	0.500	0.111	0.2210	0.553	0.016
	Ba 137	0.500	**0.109**	0.2186	0.5466	0.014
Berylium	**Be 9**	0.500	**0.0429**	0.0858	0.214	0.014
	Be 9-1	0.500	0.0603	0.1206	0.301	0.020
Cadmium	**Cd 111**	0.500	**0.0578**	0.1156	0.289	0.019
	Cd 114	0.500	0.0541	0.1082	0.271	0.018
Chromium	**Cr 52**	0.500	**0.276**	0.551	1.378	0.068
Cobalt	**Co 59**	0.500	**0.0444**	0.089	0.222	0.015
Copper	**Cu 63**	0.500	**0.165**	0.330	0.83	0.055
	Cu 65	0.500	0.151	0.302	0.75	0.050
Iron	**Fe 57**	25.0	**7.52**	15.0	37.6	2.51
Lead	**Pb 208**	0.500	**0.0575**	0.1149	0.2873	0.019
Manganese	**Mn 55**	0.500	**0.0445**	0.089	0.223	0.015
Mercury	Hg 201	0.500	0.0735	0.1469	0.367	0.025
	Hg 202	0.500	**0.0431**	0.0862	0.215	0.014
Molybdenum	**Mo 98**	0.500	**0.0646**	0.1292	0.323	0.020
Nickel	**Ni 60**	0.500	**0.0511**	0.1021	0.255	0.017
Selenium	Se-1 82	0.500	0.152	0.304	0.761	0.051
	Se 82	0.500	**0.145**	0.290	0.726	0.048
Silver	**Ag 107**	0.500	**0.134**	0.2671	0.668	0.021
	Ag 109	0.500	0.138	0.2756	0.689	0.017
Thallium	Tl 203	0.500	0.0417	0.0834	0.2085	0.014
	Tl 205	0.500	**0.0336**	0.0672	0.1679	0.011
Vanadium	**V 51**	0.500	**0.0791**	0.158	0.396	0.020
Zinc	**Zn 66**	0.500	**0.241**	0.482	1.20	0.080
	Zn 68	0.500	0.200	0.399	1.00	0.067

Updated with bolded results.
*Sb 121, Sb, 123, As-2 75, As 75, Ba 135, Ba 137, Cr 52, Mo 98, Ag 107, Ag 109, and V51 adjusted to IDL levels since IDL > MDL results.

EPA 6020B
Sequence Tables

08/24/22

Dataset Report

User Name: ICPMS2
Computer Name: ICPMS2
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\
Report Date/Time: Thursday, August 25, 2022 08:25:25

The Dataset

Sample ID	Date and Time	Read Type	Descrip	Samp File Name
Torch Alignment	09:47:58 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.001
[STD/KED] Nebulizer Ga	09:48:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	09:50:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.003
Mass Calibration and Re	09:51:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	09:51:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check 005
rinse	09:56:14 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.006
rinse	10:00:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.007
rinse	10:05:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.008
rinse	10:09:55 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.009
blank	10:14:29 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.010
0.2 ppb i8-142b	10:19:05 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.011
high acid rinse	10:24:59 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse.012
rinse	10:29:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 013
surfactant rinse	10:34:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\surfactant rinse.014
rinse	10:38:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 015
high acid rinse	10:43:11 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse 016
rinse	10:47:43 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.017
surfactant rinse	10:52:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\surfactant rinse.018
rinse	10:56:50 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.019
rinse	11:04:52 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.020
rinse	11:09:27 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.021
rinse	11:14:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.022
rinse	11:21:44 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.023
rinse	11:38:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.024
Torch Alignment	11:49:27 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.025
[STD/KED] Nebulizer Ga	11:50:08 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	11:51:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.027
Mass Calibration and Re	11:52:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	11:53:12 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check 029
rinse	11:57:09 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.030
rinse	12:01:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.031
rinse	12:06:15 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.032
rinse	12:10:49 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 033
blank	12:15:24 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.034
0.2 ppb i8-142b	12:19:59 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.035
1 ppb i8-139a	12:24:34 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.036
5 ppb i8-140a	12:29:10 Wed 24-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.037
25 ppb i8-141a	12:33:45 Wed 24-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a 038
50 ppb i8-142a	12:38:21 Wed 24-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a 039
rinse	12:42:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.040
rinse	12:47:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 041
30 ppb i8-143a ICV	12:52:05 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.042
ICB	12:56:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.043
rinse	13:04:06 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 044
ICB rr	13:08:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr 045
0.2 ppb i8-142b LLICV	13:13:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.046
1 ppb i8-139a LLICV	13:17:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.047
5 ppb i8-140a LLICV	13:22:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.048
rinse	13:27:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.049
SIC i8-102b x1000	13:31:34 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.050
SIC i8-102a x200	13:36:06 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.051
rinse	13:40:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.052
Linear range 25-200-0	13:45:13 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.053

Linear range 0-1000-0	13:49:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.054
Linear range 0-0-5000	13:54:17 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.055
rinse	13:59:07 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.056
rinse	14:03:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.057
i2-579 mb	14:08:16 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 mb.058
i2-579 lcs	14:12:50 Wed 24-Aug-22	Spike - 2 of 58	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 lcs.059
208283-01	14:17:25 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-01.060
i2-579 ms 208283-01	14:21:59 Wed 24-Aug-22	Spike - 2 of 60	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 ms 208283-01.061
i2-579 msd 208283-01	14:26:33 Wed 24-Aug-22	Spike - 2 of 60	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 msd 208283-01.062
i2-573 mb2	14:31:07 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-573 mb2.063
208321-02	14:35:40 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-02.064
208321-03	14:40:14 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-03.065
208321-04	14:44:48 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-04.066
208321-05	14:49:22 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-05.067
25 ppb i8-141a CCV (1)	14:53:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (1).068
CCB (1)	14:58:30 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (1).069
208283-02	15:03:05 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-02.070
208325-01 x10	15:07:38 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-01 x10.071
rinse	15:28:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.072
rinse	15:38:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.073
rinse	15:43:32 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.074
rinse	15:48:08 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.075
rinse	15:53:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.076
rinse	15:59:02 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.077
Torch Alignment	16:05:10 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.078
[STD/KED] Nebulizer Ga	16:06:13 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	16:07:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.080
Mass Calibration and Re	16:08:53 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	16:09:17 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.082
[STD/KED] Nebulizer Ga	16:11:49 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
rinse	16:17:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.084
rinse	16:22:33 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.085
[STD/KED] Nebulizer Ga	16:26:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
Torch Alignment	16:28:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.087
[STD/KED] Nebulizer Ga	16:30:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
Torch Alignment	16:33:46 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.089
[STD/KED] Nebulizer Ga	16:34:39 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	16:36:14 Wed 24-Aug-22	Sample	QID ST	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.091
Mass Calibration and Re	16:37:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	16:37:43 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.093
rinse	16:42:09 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.094
rinse	16:46:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.095
rinse	16:51:24 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.096
rinse	16:56:23 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.097
rinse	17:00:57 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.098
rinse	17:16:14 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.099
rinse	17:20:47 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.100
rinse	17:25:20 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 101
blank	17:29:55 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.102
0.2 ppb i8-142b	17:34:31 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.103
1 ppb i8-139a	17:39:07 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.104
5 ppb i8-140a	17:43:41 Wed 24-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.105
25 ppb i8-141a	17:48:16 Wed 24-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a.106
50 ppb i8-142a	17:52:51 Wed 24-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.107
rinse	17:57:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.108
rinse	18:02:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.109
30 ppb i8-143a ICV	18:06:35 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.110
ICB	18:11:10 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.111
rinse	18:15:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.112
ICB rr	18:20:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.113
0.2 ppb i8-142b LLICV	18:24:54 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.114
1 ppb i8-139a LLICV	18:29:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.115
5 ppb i8-140a LLICV	18:34:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.116
rinse	18:38:39 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.117

SIC i8-102b x1000	18:43:12 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.118
SIC i8-102a x200	18:47:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.119
rinse	18:52:18 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.120
Linear range 25-200-0	18:56:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.121
Linear range 0-1000-0	19:01:23 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.122
Linear range 0-0-5000	19:05:55 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.123
rinse	19:10:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.124
rinse	19:15:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.125
rinse	19:19:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.126
i2-579 mb rr	19:24:13 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 mb rr.127
i2-579 lcs rr	19:28:47 Wed 24-Aug-22	Spike - 2 of 127	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 lcs rr.128
i2-581 mb	19:33:21 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 mb.129
i2-581 lcs	19:37:53 Wed 24-Aug-22	Spike - 2 of 129	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 lcs.130
i2-573 mb2 rr	19:42:26 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-573 mb2 rr.131
208259-01	19:46:59 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-01.132
i2-581 ms 208259-01	19:51:32 Wed 24-Aug-22	Spike - 2 of 132	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 ms 208259-01.133
i2-581 msd 208259-01	19:56:05 Wed 24-Aug-22	Spike - 2 of 132	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 msd 208259-01.134
208259-02	20:00:39 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-02.135
208259-03	20:05:12 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-03.136
25 ppb i8-141a CCV (2)	20:09:46 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (2).137
CCB (2)	20:14:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (2).138
208276-02 rr	20:18:55 Wed 24-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208276-02 rr.139
208360-01	20:23:28 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-01.140
208360-02	20:28:02 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-02.141
208360-03	20:32:35 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-03.142
208360-04	20:37:08 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-04.143
208360-05	20:41:41 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-05.144
208360-06	20:46:14 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-06.145
208360-07	20:50:46 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-07.146
208360-08	20:55:19 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-08.147
208321-02 rr	20:59:52 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-02 rr.148
25 ppb i8-141a CCV (3)	21:04:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (3).149
CCB (3)	21:09:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (3).150
208321-03 rr	21:13:35 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-03 rr.151
208321-04 rr	21:18:09 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-04 rr.152
208321-05 rr	21:22:42 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-05 rr.153
208259-01 x5	21:27:15 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-01 x5.154
i2-581 ms 208259-01 x5	21:31:48 Wed 24-Aug-22	Spike - 5 of 154	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 ms 208259-01 x5.155
i2-581 msd 208259-01 x5	21:36:22 Wed 24-Aug-22	Spike - 5 of 154	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 msd 208259-01 x5.156
208311-01	21:40:55 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-01.157
208311-15	21:45:29 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-15.158
25 ppb i8-141a CCV (4)	21:50:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (4).159
CCB (4)	21:54:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (4).160
208245-15 x5	21:59:12 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-15 x5.161
208245-20 x5	22:03:44 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-20 x5.162
208245-22 x5	22:08:16 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-22 x5.163
208245-32 x10	22:12:49 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x10.164
208245-32 x5	22:17:23 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x5.165
208245-37 x5	22:21:57 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-37 x5.166
rinse	22:26:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.167
208283-01 rr	22:31:05 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-01 rr.168
i2-579 ms 208283-01 rr	22:35:39 Wed 24-Aug-22	Spike - 2 of 168	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 ms 208283-01 rr.169
i2-579 msd 208283-01 rr	22:40:13 Wed 24-Aug-22	Spike - 2 of 168	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 msd 208283-01 rr.170
208283-02 rr	22:44:47 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-02 rr.171
25 ppb i8-141a CCV (5)	22:49:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (5).172
CCB (5)	22:53:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (5).173
208311-16	22:58:30 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-16.174
208311-19	23:03:03 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-19.175
208311-20	23:07:36 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-20.176
208311-23	23:12:09 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-23.177
208311-24	23:16:42 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-24.178
25 ppb i8-141a CCV (6)	23:21:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (6).179
CCB (6)	23:25:50 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (6).180
rinse	23:30:25 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.181

rinse	23:34:58 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.182
rinse	23:39:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.183
rinse	23:44:05 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.184
blank	23:48:40 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
0.2 ppb i8-142b	23:53:14 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.186
1 ppb i8-139a	23:57:49 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.187
5 ppb i8-140a	00:02:24 Thu 25-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.188
25 ppb i8-141a	00:06:59 Thu 25-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a 189
50 ppb i8-142a	00:11:33 Thu 25-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.190
rinse	00:16:08 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.191
rinse	00:20:43 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.192
30 ppb i8-143a ICV	00:25:17 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
ICB	00:29:52 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.194
rinse	00:34:27 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.195
ICB rr	00:39:01 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
0.2 ppb i8-142b LLICV	00:43:36 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.197
1 ppb i8-139a LLICV	00:48:11 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.198
5 ppb i8-140a LLICV	00:52:46 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.199
rinse	00:57:21 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.200
SIC i8-102b x1000	01:01:54 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.201
SIC i8-102a x200	01:06:26 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.202
rinse	01:11:00 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.203
Linear range 25-200-0	01:15:33 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.204
Linear range 0-1000-0	01:20:05 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.205
Linear range 0-0-5000	01:24:37 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.206
rinse	01:29:10 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.207
rinse	01:33:45 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.208
rinse	01:38:19 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 209
i2-580 mb	01:42:53 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 mb.210
i2-580 lcs	01:47:27 Thu 25-Aug-22	Spike - 1 of 210	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 lcs.211
208312-01	01:52:00 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-01.212
i2-580 ms 208312-01	01:56:33 Thu 25-Aug-22	Spike - 1 of 212	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 ms 208312-01.213
i2-580 msd 208312-01	02:01:06 Thu 25-Aug-22	Spike - 1 of 212	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 msd 208312-01.214
208312-02	02:05:39 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-02.215
208312-03	02:10:12 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-03.216
208312-04	02:14:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-04.217
rinse	02:19:18 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.218
208311-26	02:23:51 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-26.219
208311-27	02:28:24 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-27.220
25 ppb i8-141a CCV (7)	02:32:59 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (7).221
CCB (7)	02:37:34 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (7).222
208257-01	02:42:07 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-01.223
208257-02	02:46:39 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-02.224
208257-03	02:51:12 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-03.225
208257-04	02:55:46 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-04.226
208257-05	03:00:20 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-05.227
208342-01 x10	03:04:53 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01 x10.228
208342-02 x10	03:09:26 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02 x10.229
rinse	03:14:00 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.230
208325-01 x10 rr	03:18:34 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-01 x10 rr.231
208325-02 x10	03:23:07 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-02 x10.232
25 ppb i8-141a CCV (8)	03:27:41 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (8).233
CCB (8)	03:32:15 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (8).234
208342-01 x5	03:36:49 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01 x5.235
208342-02 x5	03:41:22 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02 x5.236
208342-01	03:45:54 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01.237
208342-02	03:50:28 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02.238
rinse	03:55:02 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.239
208335-01 x20	03:59:35 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-01 x20.240
208335-02 x10	04:04:09 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-02 x10.241
208335-03 x20	04:08:42 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-03 x20.242
208335-04 x20	04:13:15 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-04 x20.243
25 ppb i8-141a CCV (9)	04:17:49 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (9).244
CCB (9)	04:22:24 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (9).245

208245-09 x10	04:26:58 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-09 x10.246
i2-575 ms 208245-09 x1	04:31:32 Thu 25-Aug-22	Spike - 11 of 246	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-575 ms 208245-09 x10.247
i2-575 msd 208245-09 x	04:36:05 Thu 25-Aug-22	Spike - 11 of 246	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-575 msd 208245-09 x10.248
208245-10 x10	04:40:38 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-10 x10.249
208245-11 x10	04:45:11 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-11 x10.250
208245-12 x5	04:49:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-12 x5.251
208245-13 x10	04:54:16 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-13 x10.252
208245-14 x5	04:58:49 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-14 x5.253
rinse	05:03:22 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.254
208335-05 x20	05:07:56 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-05 x20.255
208335-06 x10	05:12:29 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-06 x10.256
25 ppb i8-141a CCV (10)	05:17:03 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (10).257
CCB (10)	05:21:38 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (10).258
208245-15 x5	05:26:11 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-15 x5.259
208245-16 x10	05:30:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-16 x10.260
208245-18 x5	05:35:18 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-18 x5.261
208245-20 x10	05:39:52 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-20 x10.262
208245-22 x5	05:44:25 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-22 x5.263
208245-24 x5	05:48:59 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-24 x5.264
208245-26 x5	05:53:32 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-26 x5.265
208245-28 x5	05:58:05 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-28 x5.266
rinse	06:02:39 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.267
rinse	06:07:13 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.268
208335-07 x5	06:11:48 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-07 x5.269
25 ppb i8-141a CCV (11)	06:16:22 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (11).270
CCB (11)	06:20:57 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (11).271
208245-30 x5	06:25:31 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-30 x5.272
208245-32 x5	06:30:03 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x5.273
208245-34 x5	06:34:36 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-34 x5.274
208245-37 x5	06:39:08 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-37 x5.275
208245-39 x5	06:43:41 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-39 x5.276
208245-41 x5	06:48:14 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-41 x5.277
rinse	06:52:48 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.278
rinse	06:57:23 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.279
208335-08 x20	07:01:57 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-08 x20.280
208336-01 x2	07:06:31 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208336-01 x2.281
25 ppb i8-141a CCV (12)	07:11:06 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (12).282
CCB (12)	07:15:41 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (12).283
Ca rinse	07:20:14 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Ca rinse.284
rinse	07:24:47 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.285
high acid rinse	07:29:20 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse.286
rinse	07:33:53 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.287
rinse	07:38:27 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.288
rinse	07:42:59 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.289
DIW	07:47:33 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\DIW.290
empty	07:51:15 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\empty.291