ENVIRONMENTAL • GEOTECHNICAL
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GROUNDWATER MONITORING REPORT
(2019 Annual Report)

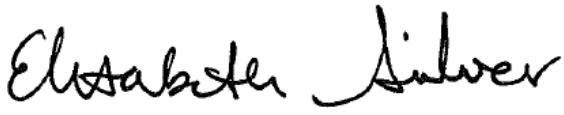
Phillips 66 Facility No. 255353 (AOC #1396)
600 Westlake Avenue North
Seattle, Washington
Washington State Department of Ecology VCP No. NW1714

Submitted to:
Ms. Tena Seeds
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

Submitted on behalf of:
Ed Ralston
Phillips 66 Company
Remediation Management
76 Broadway
Sacramento, California 95818

Submitted by:
ATC Group Services LLC
6347 Seaview Avenue Northwest
Seattle, Washington 98107

ATC Project No. Z076000073
June 19, 2020



Joseph Teresi
Staff Scientist

Elisabeth Silver, L.G.
Senior Project Manager

GROUNDWATER MONITORING REPORT
(2019 Annual Report)
Phillips 66 Facility No. 255353 (AOC #1396)
600 Westlake Avenue North
Seattle, Washington

SITE INFORMATION:

ATC Contact Person:	Elisabeth Silver, L.G.
Date of previous sampling events:	06/13/18 and 01/03-04/2019
Current remediation technique(s):	No remediation system on site
Ecology VCP Number:	NW1714

FIELD ACTIVITY, 1st Half 2019:

Date(s) monitored and/or sampled:	06/04/19
Wells monitored:	Five (MW-50, MW-209, MW-210, MW-213, and MW-214; wells MW-1, MW-5, MW-6, and MW-45 were inaccessible)
Wells sampled:	Five (MW-50, MW-209, MW-210, MW-213, and MW-214)
Purging method:	Low flow purging using peristaltic pump and dedicated polyethylene tube.
Sampling method:	Low flow purging using peristaltic pump and dedicated polyethylene tube.

SITE HYDROGEOLOGY (06/04/19):

Minimum depth to groundwater (feet below top of casing [TOC]):	8.10 (MW-209)
Maximum depth to groundwater (feet below TOC):	10.75 (MW-10.75)
Average groundwater elevation (feet):	18.53
Change in average groundwater elevation since previous monitoring event (feet):	0.112
Approximate groundwater gradient/flow direction:	0.0018 ft./ft. South
Previous groundwater gradient/flow direction:	0.0028 ft./ft. Northeast

GROUNDWATER CONDITIONS (06/04/19)

Minimum dissolved phase gasoline-range hydrocarbon concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L):	All wells sampled "non-detect"
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L) observed previous sampling event:	11,000 (MW-5)
Minimum dissolved phase benzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved phase benzene concentration (µg/L):	All wells sampled "non-detect"
Maximum dissolved phase benzene concentration (µg/L) observed previous sampling event:	5.9 (MW-5)
Minimum dissolved phase toluene concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved phase toluene concentration (µg/L):	All wells sampled "non-detect"
Maximum dissolved phase toluene concentration (µg/L) observed previous sampling event:	1.4 (MW-5)
Minimum dissolved phase ethylbenzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved phase ethylbenzene concentration (µg/L):	All wells sampled "non-detect"
Maximum dissolved phase ethylbenzene concentration (µg/L) observed previous sampling event:	72.8 (MWR-5)
Minimum dissolved phase total xylenes concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved phase total xylenes concentration (µg/L):	All wells sampled "non-detect"
Maximum dissolved phase total xylenes concentration (µg/L) observed previous sampling event:	511 (MWR-5)
Minimum total lead concentration excluding "non-detects" (micrograms per liter [µg/L]):	2.3J (MW-214)
Maximum total lead concentration (µg/L):	2.8J (MW-213)

Maximum total lead concentration (µg/L) observed previous sampling event:	2.8J (MW-213)
Minimum dissolved lead concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved lead concentration (µg/L):	2.3J (MW-214)
Maximum dissolved lead concentration (µg/L) observed previous sampling event:	All wells sampled "non-detect"

FIELD ACTIVITY, 2nd Half 2019:

Date(s) monitored and/or sampled:	12/18-19/2019
Wells monitored:	Eight (MW-209, MW-211, MW-213, MW-215, MW-216, MW-217, MW-218, and MWR-6). Wells MW-5, MW-45, MW-219, and MWR-3 were inaccessible.
Wells sampled:	Eight (MW-209, MW-211, MW-213, MW-215, MW-216, MW-217, MW-218, and MWR-6)
Purging method:	Low flow purging using peristaltic pump and dedicated polyethylene tube.
Sampling method:	Low flow purging using peristaltic pump and dedicated polyethylene tube.

SITE HYDROGEOLOGY (01/03/19):

Minimum depth to groundwater (feet below top of casing [TOC]):	9.35 (MW-211)
Maximum depth to groundwater (feet below TOC):	14.83 (MW-218)
Average groundwater elevation (feet):	16.34
Change in average groundwater elevation since previous monitoring event (feet):	-2.19
Approximate groundwater gradient/flow direction:	0.0058 ft./ft. South, 0.0037 ft./ft. Southwest
Previous groundwater gradient/flow direction:	0.00043 ft./ft. Southeast

GROUNDWATER CONDITIONS (01/03/19)

Minimum dissolved phase gasoline-range hydrocarbon concentration excluding "non-detects" (micrograms per liter [µg/L]):	93.8J (MW-216)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L):	322 (MW-217)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L) observed previous sampling event:	All wells sampled "non-detect"
Minimum dissolved phase benzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	All wells sampled "non-detect"
Maximum dissolved phase benzene concentration (µg/L):	All wells sampled "non-detect"
Maximum dissolved phase benzene concentration (µg/L) observed previous sampling event:	All wells sampled "non-detect"
Minimum dissolved phase toluene concentration excluding "non-detects" (micrograms per liter [µg/L]):	0.13J (MW-218)
Maximum dissolved phase toluene concentration (µg/L):	0.63J (MW-217)
Maximum dissolved phase toluene concentration (µg/L) observed previous sampling event:	All wells sampled "non-detect"
Minimum dissolved phase ethylbenzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	All other wells sampled "non-detect"
Maximum dissolved phase ethylbenzene concentration (µg/L):	0.27J (MW-217)
Maximum dissolved phase ethylbenzene concentration (µg/L) observed previous sampling event:	All wells sampled "non-detect"
Minimum dissolved phase total xylenes concentration excluding "non-detects" (micrograms per liter [µg/L]):	All other wells sampled "non-detect"
Maximum dissolved phase total xylenes concentration (µg/L):	5.3 (MW-217)
Maximum dissolved phase total xylenes concentration (µg/L) observed previous sampling event:	All wells sampled "non-detect"

Minimum total lead concentration excluding "non-detects" (micrograms per liter [µg/L]):	2.0J (MW-218)
Maximum total lead concentration (µg/L):	3.8J (MW-213)
Maximum total lead concentration (µg/L) observed previous sampling event:	2.8J (MW-213)
Minimum dissolved lead concentration excluding "non-detects" (micrograms per liter [µg/L]):	2.0J (MW-211)
Maximum dissolved lead concentration (µg/L):	2.5J (MW-213)
Maximum dissolved lead concentration (µg/L) observed previous sampling event:	2.3J (MW-214)

ADDITIONAL INFORMATION AND COMMENTS:

During the June 04, 2019 event, select wells were monitored and sampled, including MW-50, MW-209, MW-210, MW-213, and MW-214. Wells MW-1, MW-5, MW-6, and MW-45 could not be located due to ongoing construction at the site. Average groundwater elevation during the June monitoring event was 18.53 feet. Analytical results from samples collected at MW-50, MW-209, MW-210, MW-213, and MWR-214 indicated no detection for gasoline range hydrocarbons and benzene-toluene-ethylbenzene-xylenes (BTEX) range compounds. Total lead was detected in MW-209, MW-213, and MW-214 below Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs). Dissolved lead was detected below MTCA Method A CULs in MW-214.

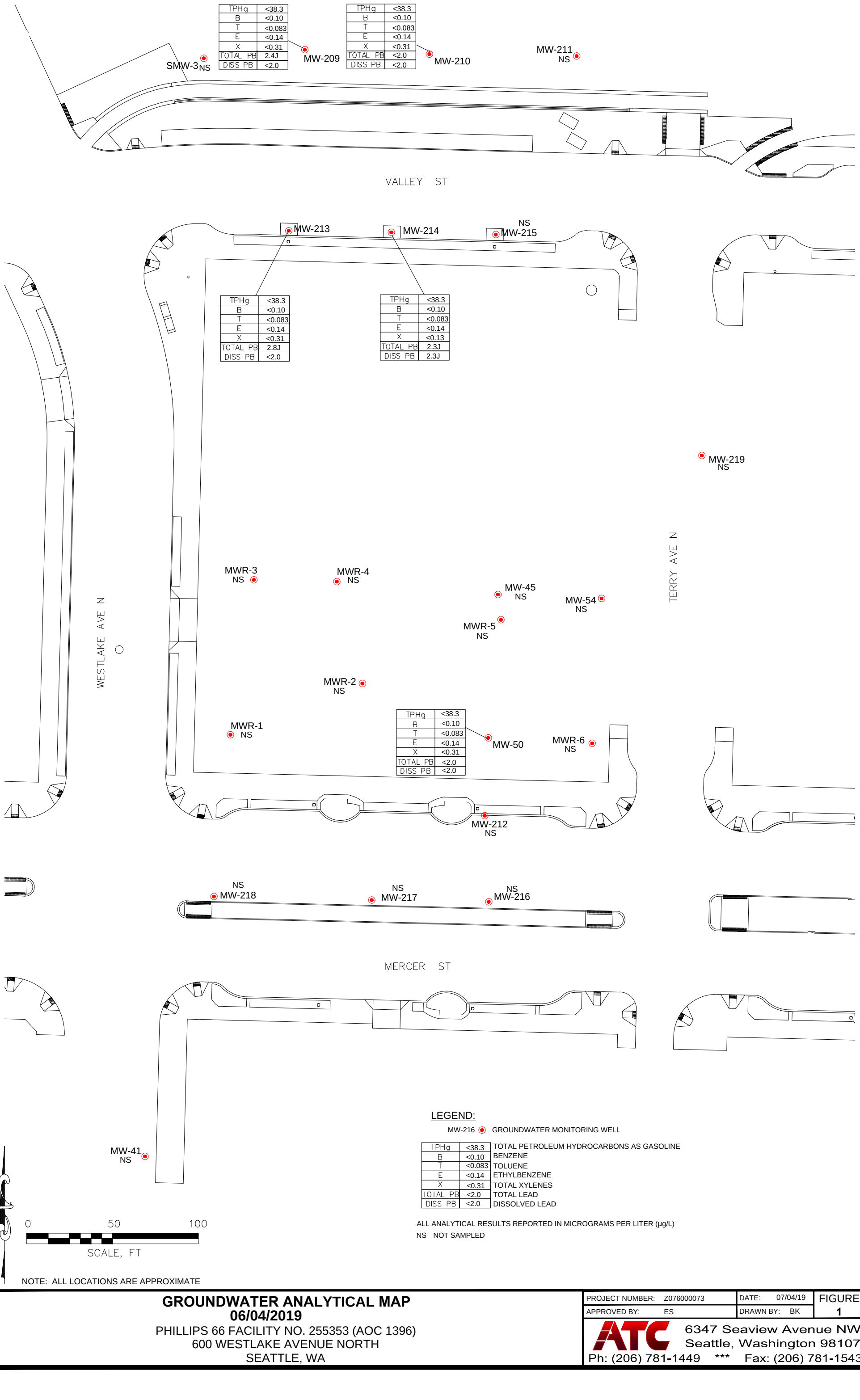
During the December 18 and 19, 2019 event, eight monitoring wells (MW-209, MW-211, MW-213, MW-215, MW-216, MW-217, MW-218, and MWR-6) were monitored and sampled. Wells MW-5, MW-45, MW-219, and MWR-3 were inaccessible due to ongoing construction activities at the site. In addition to the regularly selected analyses, diesel-, oil-, and kerosene-range hydrocarbons, VOCs, and naphthalenes were also added to select wells in the south portion of the Site. Average groundwater elevation during the December monitoring event was 16.34 feet. Laboratory analytical results from the wells sampled indicated that diesel-and kerosene-range hydrocarbons were detected above MTCA Method A CULs in MW-217 and MW-218. In MW-217, diesel- and kerosene-range hydrocarbons were detected at 803 µg/L and 1,100 µg/L, respectively. In MW-218, diesel- and kerosene-range hydrocarbons were detected at 1,020 µg/L and 1,500 µg/L, respectively. The kerosene and diesel detections to the south are not believed to be a result of the release on the site. As groundwater and soil are delineated to the north of the Site, kerosene- and diesel- range hydrocarbons do not need to be evaluated in the northern-most wells (to the north of Valley Street). Analytical results for gasoline range hydrocarbons and BTEX range compounds were either not detected above laboratory reporting limits or were detected below MTCA Method A CULs for the remaining wells sampled during the December event. Total lead, dissolved lead, volatile organic compounds (VOCs), and naphthalenes were either not detected above laboratory reporting limits or were detected below MTCA Method A CULs for the wells sampled during the December event.

Purged groundwater generated during these monitoring events was contained in a 30-gallon drum on site for proper disposal.

ATTACHMENTS:

Figure 1 Groundwater Analytical Map - 06/04/2019
Figure 2 Groundwater Conditions Map - 06/04/2019
Figure 3 Groundwater Analytical Map - 12/18/2019 and 12/19/2019
Figure 4 Groundwater Conditions Map - 12/18/2019 and 12/19/2019
Table 1 Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Appendix A Laboratory Analytical Data Reports and Chain of Custody Documents
Appendix B Field Reports / Groundwater Gauging and Sampling Logs
Appendix C Disposal Documentation

FIGURES



NOTE: ALL LOCATIONS ARE APPROXIMATE

LEGEND:

MW-216 ◉ GROUNDWATER MONITORING WELL

TPHg	<38.3	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	<0.10	BENZENE
T	<0.083	TOLUENE
E	<0.14	ETHYLBENZENE
X	<0.31	TOTAL XYLENES
TOTAL PB	<2.0	TOTAL LEAD
DISS PB	<2.0	DISSOLVED LEAD

ALL ANALYTICAL RESULTS REPORTED IN MICROGRAMS PER LITER (µg/L)

NS NOT SAMPLED

GROUNDWATER ANALYTICAL MAP
06/04/2019

PHILLIPS 66 FACILITY NO. 255353 (AOC 1396)
600 WESTLAKE AVENUE NORTH
SEATTLE, WA

PROJECT NUMBER: Z076000073		DATE: 07/04/19	FIGURE 1
APPROVED BY: ES		DRAWN BY: BK	

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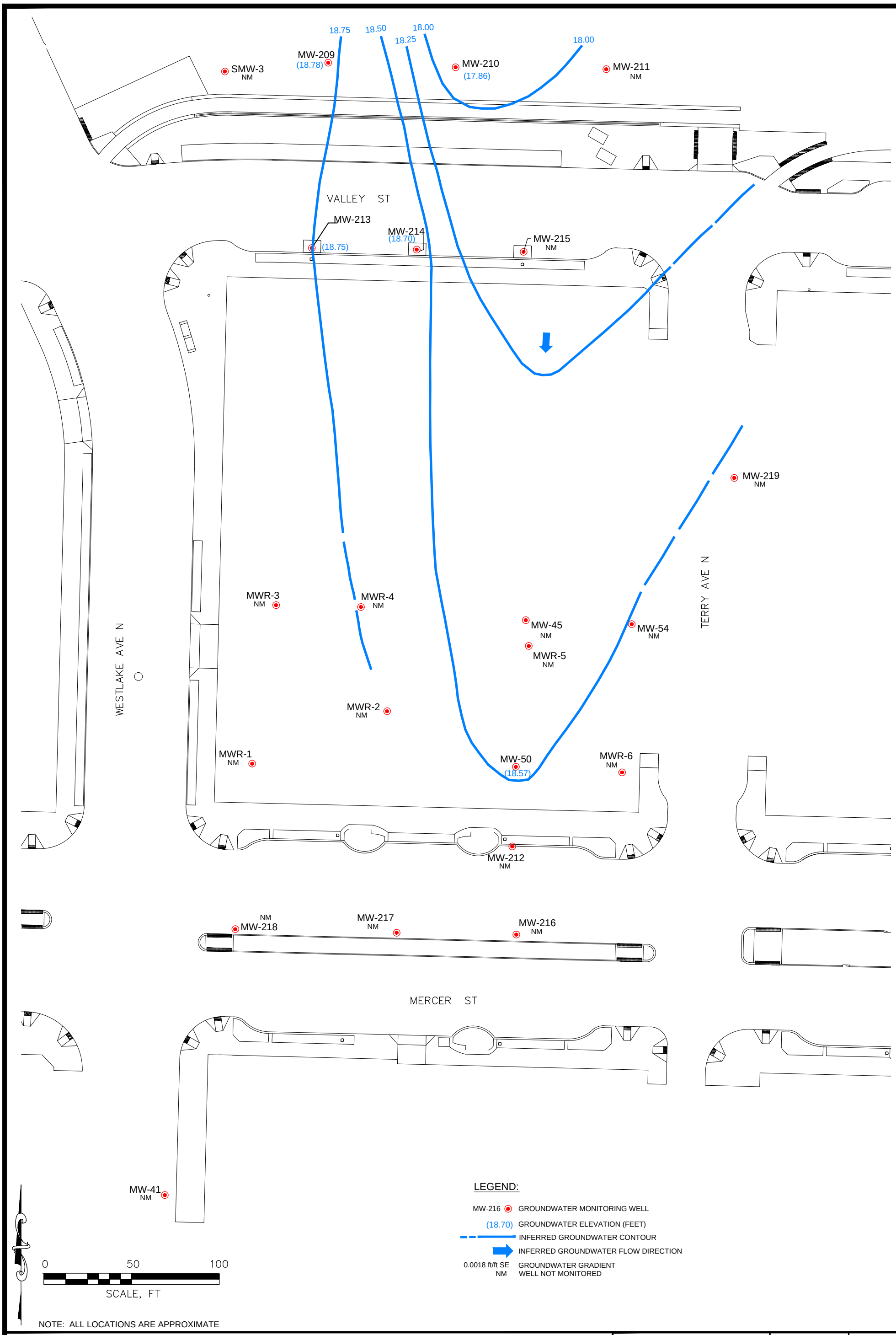

NOTE: ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER CONDITIONS MAP
06/04/2019

PHILLIPS 66 FACILITY NO. 255353 (AOC 1396)
600 WESTLAKE AVENUE NORTH
SEATTLE, WA

PROJECT NUMBER: Z076000073		DATE: 06/04/19	FIGURE 2
APPROVED BY: ES		DRAWN BY: JT	

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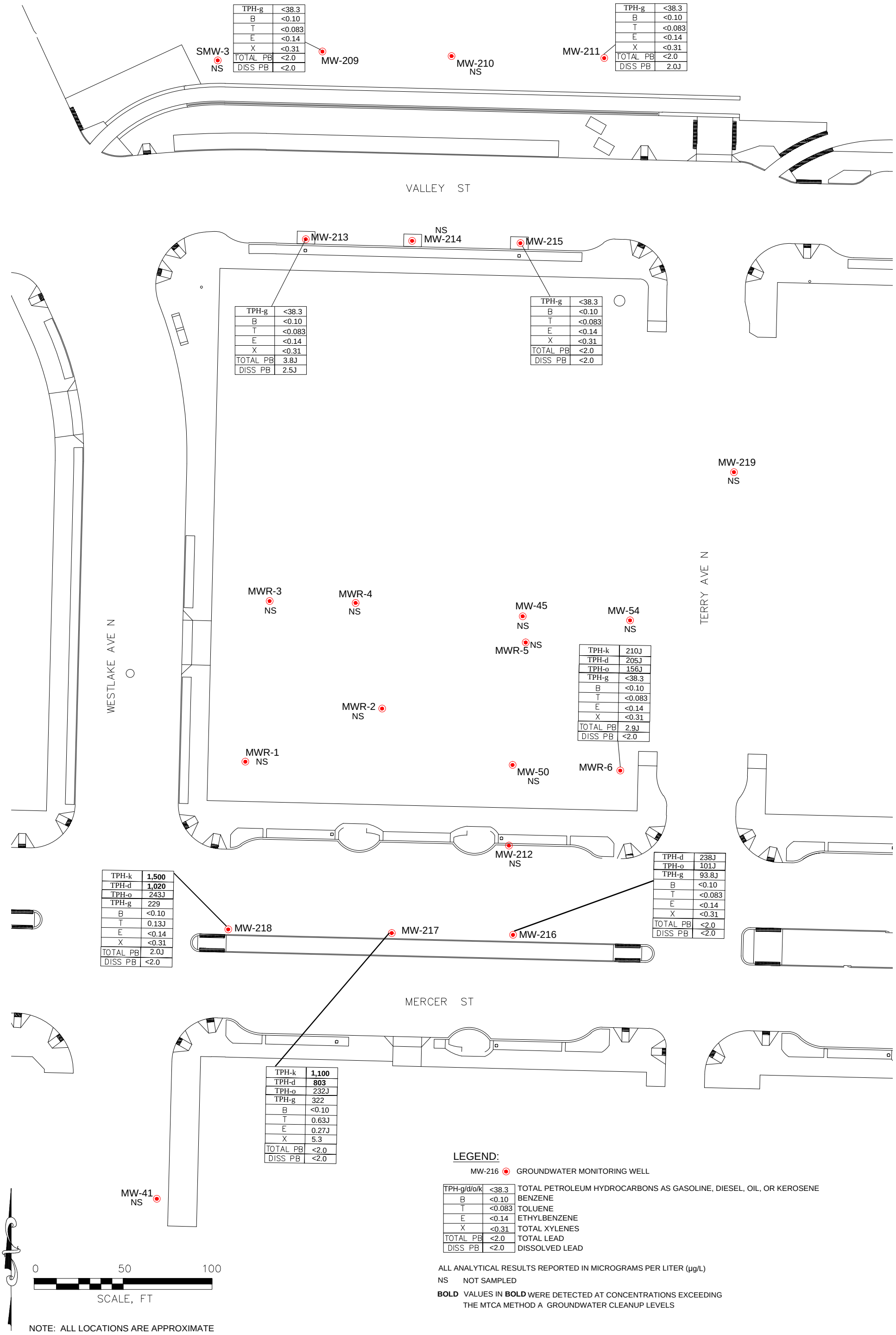

LEGEND:

MW-216 GROUNDWATER MONITORING WELL

TPH-g/d/o/k	<38.3	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, DIESEL, OIL, OR KEROSENE
B	<0.10	BENZENE
T	<0.083	TOLUENE
E	<0.14	ETHYLBENZENE
X	<0.31	TOTAL XYLENES
TOTAL PB	<2.0	TOTAL LEAD
DISS PB	<2.0	DISSOLVED LEAD

ALL ANALYTICAL RESULTS REPORTED IN MICROGRAMS PER LITER (µg/L)

NS NOT SAMPLED

BOLD VALUES IN **BOLD** WERE DETECTED AT CONCENTRATIONS EXCEEDING THE MTCA METHOD A GROUNDWATER CLEANUP LEVELS

NOTE: ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER ANALYTICAL MAP
12/18/2019 and 12/19/2019

PHILLIPS 66 FACILITY NO. 255353 (AOC 1396)
600 WESTLAKE AVENUE NORTH
SEATTLE, WASHINGTON

PROJECT NUMBER: Z076000073		DATE: 12-18-19	FIGURE 3
APPROVED BY: ES		DRAWN BY: JT	

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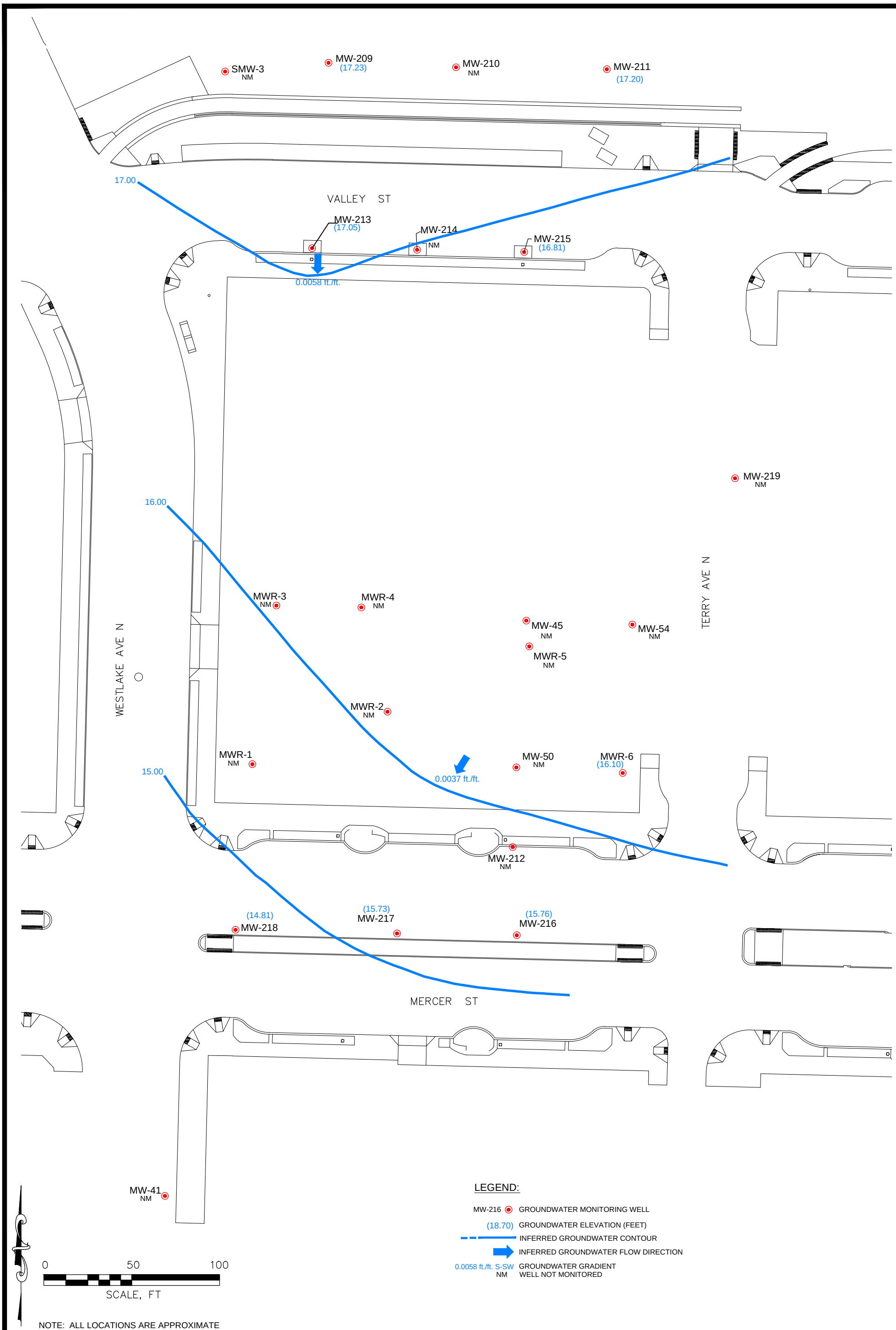

NOTE: ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER CONDITIONS MAP
12/18/2019 and 12/19/2019

PHILLIPS 66 FACILITY NO. 255353 (AOC 1396)
600 WESTLAKE AVENUE NORTH
SEATTLE, WASHINGTON

PROJECT NUMBER: Z076000073		DATE: 12-18-19	FIGURE 4
APPROVED BY: ES		DRAWN BY: JT	

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TABLE

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
CI-1	03/08/07	9.30	0.00	--	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.30
	06/13/07	10.91	0.00	--	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	6.75	<1	--			0.42
	09/12/07	10.99	0.00	--	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.82
	12/19/07	10.31	0.00	--	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	<1	--			--
	03/18/08	9.85	0.00	--	**3,140**	<236	<472	<1	**476**	6.470	4.59	1.83	9.96	<1	<5	<1			--
	05/09/08	12.76	0.00	--	<50	<0.238	<0.476	<1	<0.238	<0.5	<0.5	<0.5	<3	<1	<5	1.26			--
	06/03/08	11.73	0.00	--	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
29.97	08/05/08	11.38	0.00	18.59	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	11/05/08	10.81	0.00	19.16	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	02/25/09	10.82	0.00	19.15	<50.0	<243	<485	<243	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	11.93	0.00	18.04	<50.0	<243	<485	<243	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			
	08/16/09	--	--	--	Inaccessible														
	11/17/09	9.67	0.00	20.3	<50.0	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<1	<1			
	02/22/10	8.38	0.00	21.59	<50.0	357	422	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.2	<0.10			
	05/24/10	NM	0.00	NM	<50.0	432	400	205	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.19	<0.10			
	08/17/10	9.88	0.00	20.09	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	2.0	<0.10			
	11/15/10	8.88	0.00	21.09	<50.0	<76.9	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			
	02/27/11	Decommissioned																	
CI-2	03/08/07	10.91	0.00	--	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.35
	06/13/07	9.86	0.00	--	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.61
	09/12/07	10.06	0.00	--	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.68
	12/19/07	10.07	0.00	--	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	<1	--			--
	03/18/08	10.00	0.00	--	**3,350**	<236	<472	<1	**566**	7.04	4.76	1.93	10.1	<1	<5	<1			--
	05/09/08	10.68	0.00	--	<50	<0.238	<0.476	<1	<0.238	<0.5	<0.5	<0.5	<3	<1	<5	1.26			--
	06/03/08	9.96	0.00	--	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**9.22**	<1			--
28.98	08/05/08	10.13	0.00	18.85	<50	<236	<472	<236	0.52	<0.5	<0.5	<3	<1	<5	<1	<1			--
	11/05/08	9.74	0.00	19.24	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	02/25/09	9.90	0.00	19.08	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	11.37	0.00	17.61	<50.0	<238	<476	<238	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	1.72	<1.00			
	08/17/09	--	--	--	Inaccessible														
	11/17/09	9.58	0.00	19.40	<50.0	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	1.4	<1			
	02/22/10	8.82	0.00	20.16	<50.0	**507**	**559**	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.72	<0.10			
	05/24/10	9.17	0.00	19.81	<50.0	**712**	**643**	313	<1.0	<1.0	<1.0	<3.0	--	<1.0	2.2	<0.10			
	08/17/10	9.65	0.00	19.33	<50.0	<76.9	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.7	<0.10			
	11/15/10	8.90	0.00	20.08	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			
	02/27/11	Decommissioned																	
CI-3	03/08/07	9.46	0.00	--	<50	<255	**<510**	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.53
	06/13/07	9.43	0.00	--	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.51
	09/12/07	9.28	0.00	--	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.76
	12/19/07	8.58	0.00	--	**3,570**	<236	<472	--	**16.000**	5.2	5.7	8.9	<1	<1	<1	--			--
	03/18/08	10.54	0.00		**3,340**	<236	<472	<1	**555**	6.86	4.78	1.90	10.1	<1	<5	<1			--
	05/09/08	8.45	0.00		<50	<0.238	<0.476	<1	<0.238	<0.5	<0.5	<0.5	<3	<1	<5	1.26			--
	06/03/08	--	--	--	Construction equipment over well, unable to sample														--
29.04	08/05/08	9.72	0.00	19.32	**2,410**				**19.6**	6.47	7.71	10.4	<1	<5					--
		Well located on Propel Station property, unable to sample.																	--
MW-3	02/14/88	9.77	Trace	9.61	--	--	--	--	--	--	--	--	--	--	--	--			--
19.38	05/15/88	9.36	0.00	10.02	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	9.04	Trace	10.34	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	9.30	0.00	10.08	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	9.13	0.00	10.25	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	8.99	0.00	10.39	--	--	--	--		--	--	--	--	--	--	--			--
	10/10/01	10.11	0.00	9.27	**14,100**	**4,060**	**1,990**	--	**1,070**	<25	**1,040**	292	--	--	--	--			--
	12/28/01	9.61	0.00	9.77	**3,340**	**1,810**	<500	--	**92.6**	4.62	146	51.2	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02[c]	10.96	0.00	8.42	**10,500**	**1,820**	<500	--	**326**	14.0	685	447	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	7.87	0.00	11.51	**17,200**	**1,440**	**<595**	--	**86.6**	38.1	434	798	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	9.90	0.00	9.48	**3,040**	**1,950**	<285	--	**57.1**	<5	24.3	23.57	--	--	--	--			0.79
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	Paved over with concrete																	--
MW-3A	03/17/05	11.00	0.00	--	**1,610**	<251	**<502**	--	2.54	1.23	30.9	156.8	--	--	--	--			0.70
29.09	06/01/05	10.29	0.00	--	**1,030[j]**	<241[j]	<483	--	**5.21**	<1	27.8	66.0	<1	--	--	--			1.10
	07/25/05	10.56	0.00	--	702	<250	<500	--	4.60	0.860	23.0	47.1	1.06	2.16	--	--			3.20
	11/07/05	10.22	0.00	18.87	647	<243	<485	--	4.77	0.890	35.2	33.8	<1	--	--	--			NM [o]
	02/23/06	10.37	0.00	18.72	759	1.12	<0.5	--	4.14	0.740	51.3	38.9	<1	5.83	**4.10**	--			--
	05/10/06	10.53	0.00	18.56	654	<260	**<521**	--	3.60	1.35	51.2	57.5	<1	13.3	**9.14**	--			0.78
	08/30/06	11.35	0.00	17.74	160	<236	<472	--	0.550	0.580	8.93	3.45	<1	7.03	**11.6**	--			2.52
	12/12/06	10.39	0.00	18.70	610	<243	<485	--	0.930	0.700	13.3	14.3	<1	12.3	**9.05**	--			0.19
	03/06/07	10.18	0.00	18.91	<50	<236	<472	--	<0.5	<5	<5	<3.00	<1	<5	2.36	--			0.23
	06/15/07	10.51	0.00	18.58	<50	<250	<500 [r]	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			1.08
	09/14/07	7.71	0.00	21.38	79.4	<250	<500	--	<0.5	<0.5	2.56	4.82	<1	<5	**2.86**	--			0.32
	12/19/07	8.71	0.00	20.38	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	**3.43**	--			--
	03/17/08	--	--	--	Inaccessible in dumpster area														--
	06/01/08	--	--	--	Covered/buried in garbage enclosure, unable to sample														--
	08/04/08	--	--	--	Covered/buried in garbage enclosure, unable to sample.														--
	11/04/08	--	--	--	Covered/buried in garbage enclosure, unable to sample.														--
	11/18/08	Decommissioned																	--
MW-8	07/26/05	9.96	0.00	--	**81,600**	**641**	<500	--	**4,700**	**5,280**	**4,270**	**15,450**	<1	**1,010**	--	--			0.30
28.82	11/02/05	10.04	0.00	18.78	**41,000**	**506 [g]**	<485	--	**4,540**	955	**3,240**	**12,000**	<1	--	--	--			1.40
	02/22/06	9.61	0.00	19.21	**72,800**	**623[g]**	<490	--	**2,760**	**6,240**	**3,020**	**13,400**	**<1.000[q,r]**	**1,040**	**21.8**	--			--
	05/09/06	9.81	0.00	19.01	**87,600**	**1,140**	<485	--	**2,940**	**6,510**	**3,470**	**13,870**	**<200**	**834**	**22.5**	--			0.42
	06/12/06	Decommissioned																	--
MW-13	02/14/88	11.87	0.00	9.86	--	--	--	--	--	--	--	--	--	--	--	--			--
21.73	05/15/88	11.43	0.00	10.30	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	11.10	0.00	10.63	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	11.36	0.03	10.39	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	10.97	0.00	10.76	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	11.13	0.00	10.60	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	11.11	0.00	10.62	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/16/05	11.86	0.00	9.87	**1,820**	**880[f]**	**1,100[f]**	--	2.91	<1	<1	<2	<1	--	--	--			1.30
	07/26/05	12.06	0.00	--	Not sampled - well did not recharge after purging dry														1.40
	11/01/05	12.16	0.00	-12.16	125	<238	<476	--	1.19	<0.5	<0.5	<1	<2	--	--	--			NM [o]
30.88	02/22/06	--	--	--	227	<272	**<543**	--	<0.5	<0.5	<0.5	<3	<1	<1	**11.9**	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
MW-13	05/08/06	12.08	0.00	-12.08	236	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<1	**38.2**	--			1.69
Contd.	08/31/06	12.62	0.00	-12.62	<100	<243	<485	--	1.24	<0.5	7.64	6.68	<1	6.00	**48.9**	--			0.47
	09/25/06	Destroyed during utility construction activities																	--
MW-14	02/14/88	9.65	0.00	9.63	--	--	--	--	--	--	--	--	--	--	--	--			--
19.28	05/15/88	8.95	0.00	10.33	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	8.95	0.00	10.33	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	9.16	0.00	10.12	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	9.15	0.00	10.13	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	8.99	0.00	10.29	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	9.04	0.00	10.24	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	8.35	0.00	10.93	Unable to collect sample														1.40
	06/16/05	8.60	0.00	10.68	Not enough water in well to sample														--
	06/13/06	Decommissioned																	--
MW-15	02/14/88	10.62	0.00	9.86	--	--	--	--	--	--	--	--	--	--	--	--			--
20.48	05/15/88	10.18	0.00	10.30	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	9.96	0.00	10.52	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	10.28	0.00	10.20	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	10.17	0.00	10.31	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	10.18	0.00	10.30	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	10.13	0.00	10.35	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	--	--	--	Well casing is broken - unable to gauge or sample														--
	06/13/06	Decommissioned																	--
MW-16	02/14/88	11.15	0.00	10.04	--	--	--	--	--	--	--	--	--	--	--	--			--
21.19	05/15/88	10.76	0.00	10.43	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	10.54	0.00	10.65	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	10.80	0.00	10.39	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	10.60	0.00	10.59	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	10.59	0.00	10.60	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	10.58	0.00	10.61	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	10.95	0.00	10.24	Unable to collect sample														1.00
	06/16/05	10.86	0.00	10.33	<500	**4,000[h,i]**	**16,000[i]**	--	--	135	<5	<5	<10	<5	--	--			0.60
	07/26/05	11.08	0.00	--	358	**8,320[c]**	**20,700**	--	--	42.6	0.340	<0.2	1.25	<1	<0.5	--			0.30
30.26	11/01/05	11.10	0.00	19.16	<50	<236	<472	--	--	8.00	<0.5	0.600	<1.00	<2	--	--			NM [o]
	02/21/06	10.84	0.00	19.42	137	<278	**1,080**	--	--	4.09	<0.5	<0.5	<3.00	<1	<1	**157**			--
	05/09/06	11.12	0.00	19.14	98.4	<238	<476	--	--	2.43	<0.5	<0.5	<3.00	<1	<1	**4.33**			0.40
	06/13/06	Decommissioned																	--
MW-17	02/14/88	11.56	0.07	9.77	--	--	--	--	--	--	--	--	--	--	--	--			--
21.28	05/15/88	11.22	0.04	10.09	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	10.75	0.00	10.53	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	11.22	0.00	10.06	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	10.71	0.00	10.57	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	10.90	0.00	10.38	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	10.78	0.00	10.50	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	--	--	--	Well obstructed with soil at 2.2 feet below top of casing														--
	06/12/06	Decommissioned																	--
MW-18	02/14/88	11.11	0.00	9.98	--	--	--	--	--	--	--	--	--	--	--	--			--
21.09	05/15/88	10.78	0.06	10.36	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	10.20	0.00	10.89	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	10.83	0.00	10.26	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	10.42	Trace	10.67	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	10.61	0.00	10.48	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	10.36	0.00	10.73	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	10.83	0.00	10.26	**6,600**	**18,000[f,i]**	**28,800[i]**	--	**403**	434	91.9	779	<1	--	--	--			1.10
	07/26/05	11.19	0.00	--	**1,400**	**6,930**	**13,200**	--	**35.2**	3.98	6.23	33.4	<1	30.9	--	--			0.90
30.08	11/07/05	11.37	0.00	18.71	**2,660**	271[f]	**<505**	--	**84.4**	28.2	28.7	314	<4	--	--	--			2.20
	02/22/06	10.60	0.00	19.48	**10,800**	**2,090[p]**	**<505**	--	**345**	217	56.4	697	<20.0[q]	80.2	**386**	--			--
	05/10/06	11.85	0.00	18.23	**1,450**	269[p]	<481	--	**102**	5.32	19.0	57.4	<4	122	**64.8**	--			0.23
	08/29/06	11.65	0.00	18.43	**1,250**	377[p]	**1,030**	--	**298**	7.42	13.5	72.2	<1	107	**1,360**	--			0.98
	12/12/06	10.68	0.00	19.40	**4,360**	**856**	**1,800**	--	**301**	28.7	44.9	281	<1	69.2	**70.2**	--			0.72
	03/06/07	11.14	0.00	18.94	**856**	<266	**<532**	--	**140**	5.00	7.20	67.1	<10	<50	**15.3**	--			1.78
	06/14/07	11.24	0.00	18.84	330	<236	<472	--	**8.67**	0.72	2.02	4.84	<1	44.9	**73.4**	--			0.28
	09/14/07	11.62	0.00	18.46	458	<243	<485	--	**15.6**	16.3	3.23	6.46	<1	16.4	**226.0**	--			-0.01
	12/17/07	--	--	--	Well compromised, unable to sample														
	03/17/08	--	--	--	Well compromised, unable to sample														
	06/01/08	--	--	--	Well compromised, unable to sample														
	08/10/08	--	--	--	Well contaminated with surface mud, unable to sample.														--
	11/02/08	--	--	--	Well contaminated with surface mud, unable to sample.														--
	05/17/09	11.65	0.00	18.43	**3,370**	**1,220**	**4,320**	**695**	**281**	3.95	29.4	258	<1.0	62.6	**93.1**	**4.77**			
	08/16/09	13.45	0.00	16.63	690	**910**	**2,200**	**800**	**120**	0.77	3.1	28	<1.0	42	**1,100**	<5.0			
	11/15/09	11.63	0.00	18.45	**2,300**	**760[y]**	**1,200**	**800[y]**	**470[u]**	1.3	40	180	<1.0	61	**57**	<1.0			
	02/21/10	10.53	0.00	19.55	**18,400**	**3,440**	**2,900**	**6,210**	**768**	289	274	**3,280**	--	123	**33.8**	0.38			
	05/23/10	10.89	0.00	19.19	**9,700**	**2,870**	**2,330**	**3,930**	**819**	109	174	**2840**	**--**	128	**39.2**	0.26			
	08/15/10	11.15	0.00	18.93	**9,200**	461	**891**	**1,480**	**789**	129	115	**2240**	**--**	104	**40.4**	**3.30**			
	11/14/10	10.33	0.00	19.75	**16,600**	598	**936**	**3,900**	**1180**	158	343	**4390**	**--**	146	**23.7**	<10.0			
	02/27/11	--	--	--	Well compromised, unable to sample														
	06/14/11	Not Sampled																	
	08/29/11	Not Sampled																	
MW-19	02/14/88	11.24	0.23	9.91	--	--	--	--	--	--	--	--	--	--	--	--			--
20.97	05/15/88	11.07	0.44	10.25	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/20/88	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/14/89	10.78	0.57	10.65	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/27/89	10.96	Trace	10.01	--	--	--	--	--	--	--	--	--	--	--	--			--
	02/01/90	11.04	Trace	9.93	--	--	--	--	--	--	--	--	--	--	--	--			--
	05/01/90	10.76	0.43	10.55	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/90	10.70	0.47	10.65	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/07/90	10.19	0.00	10.78	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	10.95	0.00	10.02	Unable to collect sample														1.30
	06/16/05	10.92	0.00	10.05	**117,000**	**31,000[f,i]**	**<12,000[i]**	--	**391**	380	121	**21,960**	**<50**	--	--	--			1.20
	07/26/05	12.14	0.00	--	**96,400**	**4,050[d]**	**2,340**	--	**201**	229	<20	**16,590**	<1	**805**	--	--			4.90
29.93	11/07/05	11.00	0.00	18.93	**72,000**	**4,070 [f]**	**<990**	--	**436**	520	504	**13,700**	**<40**	--	--	--			NM [o]
	02/22/06	10.69	0.00	19.24	**18,900**	**13,900[g,p]**	**<5,210**	--	**288**	33.8	146	**1,760**	<20.0[q]	**491**	**81.0**	--			--

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Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	05/10/06	11.09	0.00	18.84	**45,900**	**5,520**	**<1,000**	--	**373**	171	164	**8,760**	**<100**	**1,700**	**64.8**	--			0.92
	08/29/06	11.71	0.00	18.22	**3,530**	**1,220[p]**	<495	--	**156**	72.4	66.1	**1,020**	<10	**251**	**20.9**	--			0.26
MW-19	12/12/06	10.92	0.00	19.01	**68,400**	**2,720**	<481	--	**688**	731	286.0	**10,700**	<1	**452**	**78.6**	--			0.21
Contd.	03/06/07	10.80	0.00	19.13	**47,800**	**2,330**	<495	--	**560**	192	480	**12,000**	10	**873**	**40.4**	--			0.53
	06/14/07	10.96	0.00	18.97	**28,100**	**8140 [g]**	<481	--	**279**	130	96.9	**4,860**	<1	**308**	**53.4**	--			0.47
	09/14/07	11.22	0.00	18.71	**22,300**	**1,530**	**1,050**	--	**98.4**	27.8	128	**2,710**	<1	**511**	**34.0**	--			0.15
	12/17/07	--	--	--	Well compromised, unable to sample														--
	03/18/08	10.81		19.12	**32,400**	--	--	25	--	218	89.1	127	**4,650**	<1	**304**	**72.7**			--
	06/01/08	8.25	0.00	21.68	**22,400**	**822**	**<758**	**5,010**	**202.00**	18.6	140	**3,280**	<1	**337**	**--**	**19.40**			--
	08/10/08	12.05	0.00	17.88	**26,800**				**180**	34.8	140	**2,390**	<20	**210**	**30.20**	**25.50**			--
	11/02/08	11.62	0.00	18.31	**19,700**	<245	<490	549	**78.6**	14.5	90.4	**2,610**	<1.00	**<200**	**25.80**	**8.22**			--
	02/22/09	10.50	0.00	19.43	**50,700**	**4,440**	<481	**19,500**	**470.0**	33.7	280	**7,900**	--	83.5	**24.80**	**5.45**			--
	05/17/09	11.43	0.00	18.50	**61,200**	**2,140**	<485	**20,900**	**202.0**	37.6	343	**12,300**	<1.00	63.7	**28.30**	1.41			
	08/16/09	13.90	0.00	16.03	Insufficient volume of water to fill sample containers.														
	11/15/09	11.20	0.00	18.73	**53,000**	**12,000[Y]**	<490	**21,000[Y]**	**530[H]**	10	490[H]	**8,500[H]**	<1.0	**950[H]**	**41**	1.4			
	02/21/10	10.44	0.00	19.49	**46,400**	**7,090**	**1,660**	**21,300**	**319**	7.7	688	**7,820**	--	**517**	**9.5**	0.33			
	05/23/10	10.98	0.00	18.95	**44,400**	**7,100**	**2,010**	**21,400**	**312**	5.8	687	**6,990**	--	**543**	**9**	0.3			
	08/15/10	11.14	0.00	18.79	**33,500**	**2,470**	**954**	**12,200**	**293**	4.9	354	**4,950**	--	67.7	**20.9**	1.8			
	11/14/10	10.27	0.00	19.66	**29,500**	**1,640**	<388	**12,000**	**436**	9.5	496	**4,190**	--	**432**	<10.0	<10.0			
	02/27/11	--	--	--	Well compromised, unable to sample														
	08/29/11	Not Sampled																	
	06/14/11	Not Sampled																	
MW-24	02/14/88	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
21.49	05/15/88	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	07/20/88	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	04/14/89	10.71	0.00	10.78	--	--	--	--		--	--	--	--	--	--	--			--
	10/27/89	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	02/01/90	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	05/01/90	11.36	0.66	10.66	--	--	--	--		--	--	--	--	--	--	--			--
	06/15/90	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	12/07/90	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	06/02/05	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	06/16/05	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
MW-27[a]	06/16/05	Dry	--	--	--	--	--	--		--	--	--	--	--	--	--			--
	06/13/06	Decommissioned																	--
MW-32A	11/04/91	--	--	--	**52,000**	**<1,000**	--	--		**10,000**	**10,000**	**2,000**	**10,000**	--	--	--			--
20.70	12/29/93	10.73	0.00	9.97	**19,000**	**2,900**	**1,300**	--		**6,300**	**990**	940	**1,700**	--	--	--			--
	04/07/94	10.65	0.00	10.05	**11,000**	**2,100**	**1,300**	--		**3,900**	150	490	**590**	--	--	--			--
	07/14/94	10.72	0.00	9.98	**9,900**	**1,700**	**1,500**	--		**5,600**	54	530	**500**	--	--	--			--
	10/25/94	11.46	0.00	9.24	**19,000**	**1,100**	**1,000**	--		**4,600**	**2,300**	560	**2,300**	--	--	--			--
	03/08/95	11.29	0.00	9.41	**21,000**	**2,300**	**2,300**	--		**5,800**	**1,700**	990	**2,900**	--	--	--			--
	06/06/95	NM	NM	--	**--**	--	--	--		--	--	--	--	--	--	--			--
	09/07/95	11.27	--	9.43	**20,000**	**2,500**	**1,600**	--		**4,200**	470	730	**2,000**	--	--	--			--
	12/08/95	10.61	--	10.09	**11,000**	**1,200**	**<750**	--		**1,600**	86	420	**910**	--	--	--			--
	04/01/96	10.90	--	9.80	**7,900**	**1,400**	**1,000**	--		**2,200**	58	300	**490**	--	--	--			--
	06/25/96	10.98	--	9.72	**7,500**	**1,250**	**<750**	--		**1,200**	60.4	217	**435**	--	--	--			--
	09/27/96	11.37	--	9.33	**7,050**	**1,040**	**<750**	--		**1,570**	37.4	264	**416**	--	--	--			--
	03/28/97	11.26	--	9.44	--	--	--	--		--	--	--	--	--	--	--			--
	06/30/97	10.89	--	9.81	--	--	--	--		--	--	--	--	--	--	--			--
	09/08/97	11.67	0.00	9.03	--	--	--	--		--	--	--	--	--	--	--			--
	12/19/97	11.42	0.00	9.28	--	--	--	--		--	--	--	--	--	--	--			--
	03/16/98	11.30	0.00	9.40	--	--	--	--		--	--	--	--	--	--	--			--
	06/26/98	11.29	0.00	9.41	--	--	--	--		--	--	--	--	--	--	--			--
	09/23/98	11.97	0.00	8.73	--	--	--	--		--	--	--	--	--	--	--			--
	12/17/98	11.09	0.00	9.61	--	--	--	--		--	--	--	--	--	--	--			--
	03/31/99	10.47	0.00	10.23	--	--	--	--		--	--	--	--	--	--	--			--
	06/30/99	9.60	0.00	11.10	--	--	--	--		--	--	--	--	--	--	--			--
	12/08/99	11.07	0.00	9.63	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	11.40	0.00	9.30	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00[b]	10.90	0.00	9.80	**7,010**	**1,740**	**<750**	--	**4,430**	136	438	182	--	--	--	--			--
	06/15/01[b]	11.31	0.00	9.39	**13,700**	**2,810**	**<846**	--	**2,370**	11.2	272	31.1	--	--	--	--			--
	06/26/01[b]	11.85	0.00	8.85	**15,500**	**1,620**	**<750**	--	**8,780**	**1,110**	**1,230**	**1,020**	--	--	--	--			--
	09/07/01[b]	10.81	0.00	9.89	**17,100**	**4,220**	**822**	--	**5,870**	19.9	684	110	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	11.29	0.00	9.41	**12,200**	**4,260**	**711**	--	**3,570**	180	537	393	--	--	--	--			--
	03/08/02	11.49	0.00	9.21	**16,400**	**4,140**	**769**	--	**4,900**	142	619	247	--	--	--	--			--
	06/24/02	11.56	0.00	9.14	**6,850**	**2,040**	**577**	--	**2,820**	7.43	221	59.1	--	--	--	--			--
	09/26/02[c]	12.88	0.00	7.82	**6,580**	**3,740**	**670**	--	**1,930**	31.4	204	89.7	--	--	--	--			--
MW-32A	12/12/02	12.72	0.00	7.98	**6,750**	**3,530**	**528**	--	**1,450**	55.6	229	283	--	--	--	--			--
	03/13/03	10.95	0.00	9.75	**13,000**	**2,550**	**<581**	--	**1,990**	222	419	806	--	--	--	--			--
	06/12/03	11.92	0.00	8.78	**17,400**	**2,730**	<500	--	**4,830**	200	**745**	262	--	--	--	--			--
	09/19/03	12.67	0.00	8.03	**1,420**	<294	**<588**	--	**64.2**	42.7	7.49	135	--	--	--	--			--
	01/14/04	11.33	0.00	9.37	**1,580**	316	<253	--	**28.9**	4.13	13.1	32.5	--	--	--	--			3.10
	03/30/04	12.39	0.00	8.31	**7,310**	**838**	<276	--	**18.3**	<10	209	122	--	--	--	--			2.43
	06/22/04	12.62	0.00	8.08	**3,330**	**1,470**	381	--	**149**	<10	72.5	43.8	--	--	--	--			0.50
	09/29/04	9.20	0.00	11.50	330	<242	<484	--	**13**	1.6	3.7	39	--	--	--	--			6.10
	12/29/04	12.24	0.00	8.46	**1,500**	**592**	<478	--	**71**	<5	30.9	31.2	--	--	--	--			1.00
	03/17/05	12.31	0.00	8.39	<100	<239	<478	--	<1	<1	<1	<2	--	--	--	--			0.90
	06/01/05	11.76	0.00	8.94	205	<237	<473	--	**13.2**	<1	5.55	6.16	<1	--	--	--			2.60
	07/25/05	12.17	0.00	--	277	<250	<500	--	**11.2**	0.270	7.04	2.83	<1	2.28	--	--			2.20
30.14	11/08/05	11.69	0.00	18.45	217	<250	<500	--	**6.84**	0.810	0.660	<3.00	<1	--	--	--			1.80
	02/23/06	11.44	0.00	18.70	<50	400	**<505**	--	<0.5	<0.5	<0.5	<3.00	<1	<1	1.12	--			--
	05/08/06	12.54	0.00	17.60	**2,740[j]**	**1,030[p]**	<500	--	**157**	1.65	179	85.5	<1	47.4	1.43	--			0.72
	08/30/06	12.71	0.00	17.43	197	<243	<485	--	**13.8**	<0.5	12.3	<3.00	<1	10.9	<1	--			0.29
	12/13/06	11.65	0.00	18.49	**1,770**	<250	<500	--	**128.0**	7.05	129.0	51	<5	<25	<1	--			0.24
	03/08/07	11.45	0.00	18.69	596	<248	<495	--	**38.5**	<.05	31.3	5.30	<1	18.5	1.26	--			0.13
	06/15/07	12.05	0.00	18.09	296	<250	<500 [r]	--	**14.2**	<0.5	3.26	<3.00	<1	12.1	<1	--			0.26
	09/14/07	13.11	0.00	17.03	358	<245	<490	--	**25.5**	<0.5	9.29	<3.00	<1	6.85	<1	--			0.04
	12/18/07	10.17	0.00	19.97	64.8	<236	<472	--	3.3	<1	<1	<3	<1	<1	**3.55**	--			--
	03/17/08	11.09		19.05	290	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	**4.4**			--
	06/02/08	11.41	0.00	18.73	215	284	<472	265	<0.5	<0.5	<0.5	<3	<1	<5	**415**	<1			--
	08/04/08	11.23	0.00	18.91	--	<236	<472	<236	--	--	--	--	--	--	**334**	<1			--
	11/05/08	11.20	0.00	18.94	528	<238	<476	281	<0.500	<0.500	0.65	<3.00	<1.00	<5.00	2.32	<1.00			--
		Abandoned or Damaged - To be decomissioned at a later date																	
MW-33	11/04/91	--	--	--	**11,000**	**<1,000**	--	--	**550**	490	240	**1,300**	--	--	--	--			--
20.75	12/29/93	10.82	0.00	9.93	**7,200**	**1,100**	**<750**	--	**560**	100	250	**1,100**	--	--	--	--			--
	04/07/94	10.60	0.00	10.15	**3,500**	**1,000**	**1,100**	--	**220**	1.5	80	190	--	--	--	--			--
	03/08/95	11.16	0.00	9.59	**4,900**	**1,400**	**2,000**	--	**650**	<25	320	420	--	--	--	--			--
	06/06/95	NM	NM	--	--	--	--	--	**--**	--	--	--	--	--	--	--			--
	09/07/95	11.20	0.00	9.55	**9,700**	**1,400**	**820**	--	**550**	140	230	620	--	--	--	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	12/08/95	NM	NM	--	**13,000**	**1,900**	**1,800**	--	**800**	240	280	760	--	--	--	--			--
	04/01/96	11.00	0.00	9.75	**5,200**	**960**	**<750**	--	**630**	33	130	270	--	--	--	--			--
MW-33	06/25/96	11.05	0.00	9.70	**2,700**	**1,030**	**<750**	--	**230**	24.6	46.5	61.1	--	--	--	--			--
contd.	09/27/96	11.13	0.00	9.62	**5,150**	**1,190**	**<750**	--	**1,190**	237	86.3	272	--	--	--	--			--
	03/28/97	11.19	0.00	9.56	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/97	10.66	0.00	10.09	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	10.48	0.00	10.27	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/16/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/98	11.18	0.00	9.57	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/23/98	11.90	0.00	8.85	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/17/98	11.03	0.00	9.72	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/31/99	10.38	0.00	10.37	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/99	9.52	0.00	11.23	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/99	10.97	0.00	9.78	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	11.33	0.00	9.42	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00	NM	NM	--	Inaccessible														--
	06/15/01	12.72	2.50	10.03	LPH Present														--
	06/26/01	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	09/07/01	NM	0.30	--	LPH Present														--
	10/10/01	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	12/28/01	11.21	0.00	9.54	**141,000**	**25,200**	**2,680**	--		**5,360**	**32,500**	**3,410**	**22,700**	--	--	--			--
	03/08/02	11.37	0.00	9.38	**126,000**	**31,400**	**3,420**	--		**2,660**	**21,600**	**3,420**	**24,800**	--	--	--			--
	06/24/02	11.36	0.00	9.39	**205,000**	**51,700**	**14,000**	--		**1,510**	**14,200**	**3,770**	**28,900**	--	--	--			--
	09/26/02	12.45	0.10	8.38	LPH Present														--
	12/12/02	12.34	0.00	8.41	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	10.59	0.00	10.16	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/12/03	11.65	Sheen	9.10	**30,900**	**4,170**	**<562**	--	**396**	526	474	3,890	--	--	--	--			--
	09/19/03	6.70	0.00	14.05	125	<291	**<581**	--	0.704	<0.5	<0.5	4.30	--	--	--	--			--
	01/14/04	12.03	0.00	8.72	524	<135	<271	--	**17**	3.7	7.65	31	--	--	--	--			0.60
	03/30/04	12.49	0.00	8.26	**2,680**	**725**	<256	--	**218**	14.7	53.2	150.4	--	--	--	--			1.72
	06/22/04	12.66	0.00	8.09	**3,500**	**1,330**	443	--	**197**	12.1	99.2	217.3	--	--	--	--			1.20
	09/29/04	9.60	0.00	11.15	290	290	**<511**	--	**12**	1.9	5.6	22	--	--	--	--			7.20
	12/29/04	12.14	0.00	8.61	**2,860**	**795**	<491	--	**91**	30.9	49.4	169.3	--	--	--	--			0.10
	03/17/05	12.07	0.00	8.68	106	<239	<478	--	**8.23**	1.23	4.6	9.55	--	--	--	--			4.60
	06/01/05	11.21	0.00	9.54	<100	<262	**<524**	--	2.03	<1	<1	<2	<1	--	--	--			9.30
	07/25/05	11.73	0.00	--	79.3	<250	<500	--	3.27	0.230	1.95	1.78	<1	1.27	--	--			5.20
30.16	11/01/05	6.50	0.00	23.66	<50	<236	<472	--	0.800	<0.5	<0.5	<1	<2	--	--	--			NM [o]
	02/23/06	11.49	0.00	18.67	582	<255	**<510**	--	**145**	4.75	5.50	<15.0	<5	<5	1.00	--			--
	05/08/06	11.79	0.00	18.37	242	<240	<481	--	4.29	<0.5	0.7	1.78	<1	2.13	<1	--			0.56
	08/30/06	12.43	0.00	17.73	**874**	<250	<500	--	**200**	10.0	26.2	56.0	6.79	17.1	<1	--			1.74
	12/12/06	11.52	0.00	18.64	**11,200**	<243	<485	--	**163**	41.2	45.2	175	<5	<25	<1	--			0.15
	03/07/07	8.45	0.00	21.71	**867**	<260	**<521**	--	**65**	2.48	54.8	84.6	<1	23.8	<1	--			0.87
	06/15/07	12.03	0.00	18.13	535	<245	<490 [r]	--	**32.5**	<0.5	0.550	17.5	1.38	21.8	<1	--			0.55
	09/14/07	12.07	0.00	18.09	235	<250	<500	--	**29.4**	1.45	<0.5	19.8	1.23	6.62	<1	--			0.36
	12/19/07	10.22	0.00	19.94	176	<236	<472	--	**40.0**	<1	<1	4.3	<1	1.30	**8.85**	--			--
	03/18/08	11.22	0.00	18.94	82.9	<236	<472	<1	**<236**	1.17	0.68	2.08	<3	<1	<5	**7.38**			--
	06/03/08	11.43	0.00	18.73	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**5.41**	<1			--
	08/04/08	12.10	0.00	18.06	55.3	<236	<472	<236	1.16	<0.5	0.910	<3	<1	<5	**3.84**	<1			--
	11/04/08	Well buried under gravel from station decommission, unable to sample.																	--
MW-34	11/04/91	--	--	--	**40,000**	**<1,000**	--	--	**23,000**	**18,000**	**2,600**	**14,000**	--	--	--	--			--
21.42	10/07/93	--	--	--	**4,200**	**1,600**	**970**	--	**1,400**	480	120	440	--	--	--	--			--
	12/29/93	11.01	0.00	10.41	**52,000**	**2,200**	**<750**	--	**15,000**	**11,000**	**1,500**	**7,000**	--	--	--	--			--
	04/07/94	10.88	0.00	10.54	**9,800**	**1,400**	**<750**	--	**4,500**	930	260	840	--	--	--	--			--
	07/14/94	10.78	0.00	10.64	**5,700**	**1,200**	**<750**	--	**980**	420	210	820	--	--	--	--			--
	10/25/94	11.78	0.00	9.64	**13,000**	**4,100**	**1,900**	--	**6,500**	170	680	**1,000**	--	--	--	--			--
	03/08/95	11.62	0.00	9.80	**8,200**	**1,100**	480	--	**2,400**	**1,500**	250	**1,300**	--	--	--	--			--
	06/06/95	11.73	0.00	9.69	**9,100**	**2,300**	**<750**	--	**4,200**	**1,000**	330	**1,200**	--	--	--	--			--
	09/07/95	11.57	0.00	9.85	**18,000**	**1,800**	**930**	--	**4,800**	**2,300**	560	**2,000**	--	--	--	--			--
	12/08/95	10.92	0.00	10.50	**68,000**	**2,900**	**1,600**	--	**12,000**	**9,200**	**1,200**	**5,500**	--	--	--	--			--
	04/01/96	11.21	0.00	10.21	**10,000**	**1,900**	**<750**	--	**5,500**	580	520	**1,200**	--	--	--	--			--
	06/25/96	11.19	0.00	10.23	**13,700**	**1,160**	**<750**	--	**4,190**	**1,110**	393	**1,740**	--	--	--	--			--
	09/27/96	11.58	0.00	9.84	**16,300**	**1,030**	**<750**	--	**5,010**	**2,520**	541	**1,310**	--	--	--	--			--
	03/28/97	11.47	0.00	9.95	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/97[b]	11.19	0.00	10.23	**2,970**	311	**<750**	--	**1,930**	15.7	271	531	--	--	--	--			--
	09/08/97[b]	11.74	0.00	9.68	**8,390**	455	**<750**	--	**3,920**	645	567	**1,270**	--	--	--	--			--
	12/19/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/16/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/98[b]	11.42	0.00	10.00	**76,900**	**3,090**	**<750**	--	**13,400**	**11,100**	**2,310**	**9,080**	--	--	--	--			--
	09/23/98[b]	12.23	0.00	9.19	**9,040**	**3,000**	**799**	--	**3,540**	243	636	**1,650**	--	--	--	--			--
	12/17/98[b]	11.35	0.00	10.07	**80,900**	**5,470**	**1,380**	--	**14,200**	**10,800**	**3,110**	**11,800**	--	--	--	--			--
	03/31/99[b]	10.85	0.00	10.57	**33,400**	**1,910**	**<750**	--	**5,970**	**1,740**	**1,400**	**3,820**	--	--	--	--			--
	06/30/99[b]	10.18	0.00	11.24	**28,500**	**4,840**	**984**	--	**4,340**	**1,320**	**1,490**	**3,610**	--	--	--	--			--
	12/08/99[b]	11.33	0.00	10.09	**62,400**	**2,500**	**<1,360**	--	**12,900**	**7,440**	**3,240**	**9,210**	--	--	--	--			--
	06/20/00[b]	11.68	0.00	9.74	**25,000**	<250	**<750**	--	**6,360**	480	**2,190**	**3,930**	--	--	--	--			--
	12/19/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/01[b]	11.85	0.00	9.57	**25,800**	**4,780**	**<883**	--	**5,300**	90	**1,930**	**2,190**	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01[b]	11.86	0.00	9.56	**17,800**	**4,510**	**722**	--	**3,540**	44.9	**1,510**	**2,180**	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	11.46	0.00	9.96	**19,000**	**8,400**	**752**	--	**5,320**	**1,200**	406	**1,010**	--	--	--	--			--
	03/08/02	11.70	0.00	9.72	**59,200**	**8,550**	**661**	--	**7,200**	**8,610**	**2,190**	**8,200**	--	--	--	--			--
	06/24/02	11.91	0.00	9.51	**12,500**	**4,200**	**614**	--	**2,140**	651	659	**1,160**	--	--	--	--			--
	09/26/02[c]	12.80	0.00	8.62	**13,800**	**6,270**	**<1,160**	--	**5,840**	21.8	280	87	--	--	--	--			--
	12/12/02	12.98	0.00	8.44	**14,500**	**11,000**	**681**	--	**5,130**	44.7	333	224	--	--	--	--			--
	03/13/03	11.67	0.00	9.75	**25,600**	**6,480**	<500	--	**6,030**	668	**775**	**1,130**	--	--	--	--			--
	06/12/03	12.04	0.00	9.38	**13,000**	**2,880**	<500	--	**1,590**	735	450	**1,360**	--	--	--	--			--
	09/19/03	12.83	0.00	8.59	351	<301	**<602**	--	**9.91**	11.7	6.48	34.6	--	--	--	--			--
	01/14/04	12.00	0.00	9.42	160	<122	<245	--	**23.7**	<0.5	2.11	<1	--	--	--	--			0.20
	03/30/04	12.62	0.00	8.80	**15,100**	**1,120**	<300	--	**3,060**	238	564	846.6	--	--	--	--			1.68
	06/22/04	12.88	0.00	8.54	**6,760**	**1,900**	<238	--	**2,320**	14.3	395	279.8	--	--	--	--			0.50
	09/29/04	11.38	0.00	10.04	310	306	**<505**	--	**10**	<0.5	3.5	8.2	--	--	--	--			0.40
	12/29/04	12.67	0.00	8.75	**2,590**	481	**<504**	--	**320**	<10	83.8	101.4	--	--	--	--			2.00
	03/17/05	12.66	0.00	8.76	<100	<239	<478	--	<1	<1	<1	<2	--	--	--	--			0.40
	06/01/05	11.81	0.00	9.61	143	<237	<474	--	<1	<1	5.34	4.87	<1	--	--	--			2.90
	07/25/05	11.80	0.00	--	<50	<250	<500	--	0.210	<0.2	1.85	1.31	<1	<0.5	--	--			2.10
30.58	11/07/05	11.92	0.00	18.66	219	<245	<490	--	**8.46**	<0.5	0.58	4.86	<1	--	--	--			0.90
	02/22/06	11.48	0.00	19.10	95.9	<255	**<510**	--	**6.27**	9.27	2.10	10.2	<1 [q,r]	<1	1.32	--			--
	05/08/06	12.84	0.00	17.74	489	<250	<500	--	**14.7**	<0.5	9.15	2.36	<1	8.04	<1	--			4.67
	08/30/06	12.70	0.00	17.88	254	<245	<490	--	**32.8**	0.880	4.82	5.45	<1	12.1	<1	--			0.40
	12/13/06	11.66	0.00	18.92	**2,240**	<250	<500	--	**211**	<2.5	25.0	<15.0	<5	<25	<1	--			1.34

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	03/07/07	10.75	0.00	19.83	**1,010**	<240	<481	--	**81.7**	<5	7.50	181	<10	<50	1.98	--			0.64
	06/15/07	12.39	0.00	18.19	**806**	<250	<500 [r]	--	**141**	1.01	4.02	<3.00	<1	6.79	<1	--			0.57
MW-34	09/13/07	13.24	0.00	17.34	727	<238	<476	--	**59.2**	0.680	27.1	<3.00	<1	14.6	**4.25**	--			0.05
contd.	12/19/07	10.50	0.00	20.08	53.4	<236	<472	--	<1	<1	<1	<3	<1	<1	1.69	--			--
	03/17/08	11.64	0.00	18.94	**2040**	<236	<472	<1	**499**	235	1.48	10.5	<3	<1	<5	**18.60**			--
	06/02/08	11.84	0.00	18.74	**1,280**	<240	<481	356	**55.1**	1.26	5.07	<3	<1	<5	**37.20**	<1			--
	08/04/08	--	--	--	Unable to unlock														--
	11/05/08	12.20	0.00	18.38	**1,890**	<238	<476	**1,060**	**23.2**	1.2	10..4	<3.00	<1.00	8.55	1.41	<1.00			--
		Abandoned or Damaged - To be decomissioned at a later date																	
MW-35	11/04/91	--	--	--	**24,000**	**<1,000**	--			440	**2,600**	610	**4,300**	--	--	--			--
20.10	12/29/93	10.23	0.00	9.87	**4,200**	**1,000**	**<750**			580	40	200	**720**	--	--	--			--
	04/07/94	9.91	0.00	10.19	**5,300**	**870**	**<750**			480	51	140	**550**	--	--	--			--
	07/14/94	10.13	0.00	9.97	**8,100**	**890**	**<750**			980	79	150	**600**	--	--	--			--
	10/25/94	10.87	0.00	9.23	**2,800**	**1,300**	**1,200**			360	3.6	100	**82**	--	--	--			--
	03/08/95	10.67	0.00	9.43	**2,600**	**1,200**	**1,300**			400	<25	120	**83**	--	--	--			--
	06/06/95	10.67	0.00	9.43	**810**	**1,000**	**930**			62	1.4	27	**36**	--	--	--			--
	09/07/95	10.87	0.00	9.23	--	--	--			--	--	--	--	--	--	--			--
	12/08/95	NM	NM	--	--	--	--			--	--	--	--	--	--	--			--
	04/01/96	NM	NM	--	--	--	--			--	--	--	--	--	--	--			--
	06/25/96	11.11	0.00	8.99	**1,620**	**850**	**<750**			68.2	1.11	26.7	17.6	--	--	--			--
	09/27/96	10.64	0.00	9.46	**959**	**524**	**<750**			38.8	0.990	10.4	6.18	--	--	--			--
	03/28/97 [b]	11.28	0.00	8.82	**1,370**	333	**<750**			161	2.36	31.9	10.7	--	--	--			--
	03/28/97	11.28	0.00	8.82	**1,800**	<250	**<750**			250	2.62	49.1	8.04	--	--	--			--
	06/30/97 [b]	10.19	0.00	9.91	**1,900**	<250	**<750**			348	<2.5	85	7.31	--	--	--			--
	09/08/97 [b]	10.86	0.00	9.24	**4,200**	<250	**<750**			**1,460**	16.2	231	68.2	--	--	--			--
	12/19/97	NM	NM	--	--	--	--			--	--	--	--	--	--	--			--
	03/16/98 [b]	10.64	0.00	9.46	**905**	361	**<750**			410	4.24	<2.5	<5.00	--	--	--			--
	06/26/98 [b]	10.65	0.00	9.45	**1,300**	**682**	**<750**			600	<10	45.1	<20.0	--	--	--			--
	09/23/98 [b]	11.38	0.00	8.72	665	**659**	**<750**			243	<2.5	<2.5	<5.00	--	--	--			--
	12/17/98 [b]	10.49	0.00	9.61	699	**572**	**<750**			402	<2.5	10.8	9.99	--	--	--			--
	03/31/99	NM	NM	--	Obstructed by vehicle														--
	06/30/99	NM	NM	--	Obstructed by vehicle														--
	12/08/99	NM	NM	--	Obstructed by vehicle														--
	06/20/00	NM	NM	--	Obstructed by vehicle														--
	12/19/00	NM	NM	--	Obstructed by vehicle														--
	06/15/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/01 [b]	10.60	0.00	9.50	504	464	**<750**	--	**11.3**	27.5	5.52	28.4	--	--	--	--			--
	09/04/01 [b]	10.54	0.00	9.56	263	**903**	**<564**	--	2.36	<0.5	<0.5	<1	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	10.54	0.00	9.56	691	**1,160**	<500	--	**28.7**	0.898	14.1	13.2	--	--	--	--			--
	03/08/02	10.72	0.00	9.38	638	**1,100**	<500	--	**16.2**	0.939	7.05	6.91	--	--	--	--			--
	06/24/02	NM	NM	--	Obstructed by vehicle														--
	09/26/02 [b]	11.90	0.00	8.20	555	**1,420**	<500	--	**9.49**	<2	1.78	<1.50	--	--	--	--			--
	12/12/02	NM	NM	--	Obstructed by vehicle														--
	03/13/03	9.87	0.00	10.23	**13,500**	**1,430**	<500	--	**749**	153	**791**	**2,160**	--	--	--	--			--
	06/12/03	11.91	0.00	8.19	**3,930**	**973**	**<562**	--	**338**	21.2	49.9	222	--	--	--	--			--
	09/19/03	12.18	0.00	7.92	517	<373	**<746**	--	**7.29**	4.32	1.86	14.6	--	--	--	--			--
	01/14/04	11.33	0.00	8.77	614	142	<256	--	1.45	<0.5	0.657	0.568	--	--	--	--			0.30
	03/30/04	11.69	0.00	8.41	541	196	<257	--	<1	<1	<1	<2	--	--	--	--			1.46
	06/22/04	11.91	0.00	8.19	526	210	<238	--	1.27	<1	<1	<2	--	--	--	--			1.50
	09/29/04	11.77	0.00	8.33	250	248	<487	--	0.50	<0.5	1.1	2.1	--	--	--	--			0.10
	12/29/04	10.64	0.00	9.46	280	<255	**<510**	--	<1	<1	<1	<2	--	--	--	--			0.10
19.45	03/17/05	10.88	0.00	8.57	168	<239	<478	--	<1	<1	<1	<2	--	--	--	--			0.70
	06/01/05	10.11	0.00	9.34	334	<238 [j]	<475 [j]	--	**7.06**	<1	2.11	<2	1.21	--	--	--			1.60
	07/25/05	10.42	0.00	--	296	<250	<500	--	2.09	0.280	0.980	1.15	1.14	0.970	--	--			1.60
	11/07/05	10.22	0.00	9.23	243	<245	<490	--	1.22	0.870	1.17	3.89	<1	--	--	--			NM [o]
	02/23/06	10.21	0.00	9.24	<50	315	<485	--	<0.5	<0.5	<0.5	<3.00	<1	<1	1.95	--			--
28.90	05/08/06	10.43	0.00	18.47	<50	<236	<472	--	2.53	<0.5	<0.5	<3.00	<1	<1	2.01	--			0.72
	08/30/06	11.18	0.00	17.72	120	<245	<490	--	1.30	1.25	<0.5	<3.00	<1	<5	1.35	--			3.99
	12/13/06	10.23	0.00	18.67	181	<248	<495	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			1.62
	03/08/07	9.95	0.00	18.95	89.1	<253	**<505**	--	**13.0**	0.720	0.890	<3.00	<1	<5	**2.55**	--			0.37
	06/15/07	10.44	0.00	18.46	<50	<245	<490 [r]	--	<0.5	<0.5	<0.5	<3.00	<1	6.34	<1	--			0.22
	09/14/07	10.66	0.00	18.24	<50	<255	**<510**	--	<0.5	<0.5	<0.5	<3.00	<1	<5	**4.62**	--			0.02
	12/18/07	9.53	0.00	19.37	72.60	<236	<472	--	2.31	<1	<1	2.40	<1	<1	2.26	--			--
	03/18/08	9.93		18.97	59.60	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	**11.20**			--
	06/03/08	10.46	0.00	18.44	75.8	479	**940**	<236	<0.5	<0.5	<0.5	<3	<1	<5	**191**	<1			--
	08/04/08	10.86	0.00	18.04	70.1	<236	<472	<236	<0.5	0.70	<0.5	<3	<1	<5	**4.64**	<1			--
	11/05/08	10.07	0.00	18.83	94.8	<238	<476	<238	<0.500	1.35	<0.500	<3.00	<1.00	<5.00	**229**	<1.00			--
		Abandoned or Damaged - To be decomissioned at a later date																	
MW-36	11/05/91	--	--	--	**1,000**	**<1,000**	--	--	**24**	0.9	<0.5	1.0	--	--	--	--			--
17.80	12/30/93	9.42	0.00	8.38	<100	370	**940**	--	0.7	<0.5	<0.5	<0.5	--	--	--	--			--
	07/15/94	7.98	0.00	9.82	<100	410	**960**	--	0.7	<0.5	<0.5	<0.5	--	--	--	--			--
	10/25/94	9.32	0.00	8.48	<50	**670**	**1,300**	--	1.2	<0.5	<0.5	<1.0	--	--	--	--			--
	03/08/95	9.07	0.00	8.73	<50	**560**	**1,200**	--	2.6	<0.5	<0.5	<1.0	--	--	--	--			--
	06/06/95	7.92	0.00	9.88	<50	<250	**<750**	--	1	<0.5	<0.5	<1.0	--	--	--	--			--
	09/07/95	8.11	0.00	9.69	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	12/08/95	9.00	0.00	8.80	<50	**510**	**1,200**	--	1.1	<0.5	<0.5	<1.0	--	--	--	--			--
	04/01/96	9.00	0.00	8.80	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/25/96	8.97	0.00	8.83	<50	<250	**<750**	--	0.58	0.500	<0.5	<1.00	--	--	--	--			--
	09/27/96	7.53	0.00	10.27	<50	<250	**<750**	--	1.18	<0.5	<0.5	<1.00	--	--	--	--			--
	03/28/97	9.21	0.00	8.59	<50	<250	**<750**	--	0.810	<0.5	<0.5	<1.00	--	--	--	--			--
	06/30/97 [b]	6.88	0.00	10.92	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	09/08/97 [b]	9.21	0.00	8.59	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	12/19/97 [b]	10.09	0.00	7.71	<50	<250	**<750**	--	0.606	<0.5	<0.5	<1.00	--	--	--	--			--
	03/16/98 [b]	9.29	0.00	8.51	56.6	287	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/26/98 [b]	8.47	0.00	9.33	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	09/23/98 [b]	9.89	0.00	7.91	<50	<250	**<750**	--	0.737	<0.5	<0.5	1.13	--	--	--	--			--
	12/17/98 [b]	10.00	0.00	7.80	<50	288	**<750**	--	0.533	<0.5	<0.5	<1.00	--	--	--	--			--
	03/31/99 [b]	8.96	0.00	8.84	<50	321	**<750**	--	0.759	<0.5	<0.5	<1.00	--	--	--	--			--
	06/30/99 [b]	8.44	0.00	9.36	<50	<250	**<750**	--	1.29	<0.5	<0.5	<1.00	--	--	--	--			--
	12/08/99 [b]	10.05	0.00	7.75	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/20/00 [b]	8.47	0.00	9.33	172	<250	**<750**	--	<0.5	0.583	1.78	11.1	--	--	--	--			--
	12/19/00 [b]	9.50	0.00	8.30	106	<250	**<750**	--	0.529	1.51	1.08	7.14	--	--	--	--			--
	06/15/01 [b]	8.00	0.00	9.80	<50	298	**<750**	--	0.691	0.648	0.530	1.53	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01 [b]	8.70	0.00	9.10	<50	<250	<500	--	0.897	<0.5	<0.5	<1.00	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	9.57	0.00	8.23	<50	387	<500	--	0.773	0.748	<0.5	1.78	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02	10.16	0.00	7.64	<100	<250	<500	--	0.735	<2	<1	<1.50	--	--	--	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	9.34	0.00	8.46	<50	<250	<500	--	0.830	<0.5	<0.5	<1.00	--	--	--	--			--
MW-36	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
contd.	09/19/03	10.23	0.00	7.57	<50	<287	**<575**	--	1.44	0.561	<0.5	<1.00	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	9.46	0.00	8.34	<100	<133	<267	--	<1	<1	<1	<2	--	--	--	--			1.10
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	9.78	0.00	8.02	<50	<250	<500	--	0.90	<0.5	<0.5	<1.0	--	--	--	--			0.80
	12/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/17/05	8.66	0.00	9.14	<100	<246	<492	--	<1	<1	<1	<2	--	--	--	--			0.10
	06/02/05	7.70	0.00	10.10	<100	--[e]	--[e]	--	<1	<1	<1	<2	<1	--	--	--			0.90
	06/16/05	7.71	0.00	10.09	--	82[f]	<250	--	--	--	--	--	--	--	--	--			0.80
	07/25/05	8.15	0.00	--	<50	<250	<500	--	0.550	<0.2	<0.2	<0.5	<1	<0.5	--	--			2.30
27.21	11/08/05	8.81	0.00	18.40	<50	<243	<485	--	<0.5	<0.5	<0.5	<3.00	<1	--	--	--			1.20
	02/24/06	8.62	0.00	18.59	<50	<255	**<510**	--	<0.5	<0.5	<0.5	<3.00	<1	<1	**3.37**	--			--
	05/09/06	7.55	0.00	19.66	<50	<243	<485	--	<0.5	<0.5	<0.5	<3.00	<1	<1	**10.7**	--			1.00
	06/13/06	Decommissioned																	--
MW-37	11/05/91	--	--	--	**21,000**	**<1,000**	--	--	**810**	**2,400**	470	**3,300**	--	--	--	--			--
21.01	12/30/93	10.59	0.40	10.74	LPH Present														--
	04/07/94	10.49	0.08	10.58	**92,000**	**18,000**	**<750**	--	**660**	**3,600**	**1,500**	**9,500**	--	--	--	--			--
	07/15/94	--	0.25	--	**330,000**	**1,700,000**	**260,000**	--	**18,000**	**44,000**	**7,700**	**44,000**	--	--	--	--			--
	10/26/94	--	0.17	--	**170,000**	**35,000**	**7,500**	--	**14,000**	**30,000**	**4,400**	**26,000**	--	--	--	--			--
	03/08/95	11.94	0.00	9.07	**34,000**	**3,200**	**1,400**	--	**3,100**	**2,400**	**1,200**	**6,700**	--	--	--	--			--
	06/06/95	11.76	0.01	9.26	**45,000**	**4,600**	**2,500**	--	**3,700**	**2,400**	**1,300**	**7,900**	--	--	--	--			--
	06/06/95	11.76	0.01	9.26	**90,000**	--	--	--	**5,100**	**6,000**	**2,400**	**14,000**	--	--	--	--			--
	09/07/95	11.17	0.00	9.84	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/95	10.22	0.00	10.79	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/01/96	10.79	0.02	10.24	LPH Present														--
	06/25/96	10.82	0.20	10.35	LPH Present														--
	09/27/96	11.47	0.05	9.58	LPH Present														--
	03/28/97[b]	11.14	0.25	10.07	**60,100**	**7,570**	**789**	--	**1,530**	**2,180**	**1650**	**7,440**	--	--	--	--			--
	03/28/97	11.14	0.25	10.07	**297,000**	**45,100**	**<8,250**	--	**6,570**	**13,200**	**4930**	**22,900**	--	--	--	--			--
	06/30/97	10.80	0.02	10.23	LPH Present														--
	09/08/97	11.41	0.23	9.78	LPH Present														--
	12/19/97	11.28	0.02	9.75	LPH Present														--
	03/16/98	11.11	0.01	9.91	LPH Present														--
	06/26/98	11.32	0.01	9.70	LPH Present														--
	09/23/98	12.01	0.03	9.02	LPH Present														--
	12/17/98	11.00	Trace	10.01	LPH Present														--
	03/31/99	NM	Trace	--	LPH Present														--
	06/30/99	DRY	0.30	--	LPH Present														--
	12/08/99	11.11	--	9.90	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	11.50	--	9.51	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00	11.50	0.50	9.91	LPH Present														--
	06/15/01[b]	11.35	0.03	9.68	LPH Present														--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01[b]	11.43	0.00	9.58	**159,000**	**22,100**	**14,600**	--	**3,420**	**12,600**	**4,440**	**27,000**	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01[b]	11.00	0.20	10.17	LPH Present														--
	03/08/02	11.61	0.40	9.72	LPH Present														--
	06/24/02	NM	NM	--	Inaccessible														--
	09/26/02	12.38	0.00	8.63	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/12/02	12.35	0.00	8.66	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	11.10	0.00	9.91	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/12/03	11.61	0.00	9.40	**1,450**	474	**<568**	--	**22.9**	43.2	15.8	85.5	--	--	--	--			--
	09/19/03	11.95	0.00	9.06	141	<298	**<595**	--	<0.5	<0.5	<0.5	1.01	--	--	--	--			--
	01/14/04	12.12	0.00	8.89	471	<127	<255	--	4.56	<0.5	9.01	27.75	--	--	--	--			0.50
	03/30/04	12.73	0.00	8.28	572	180	<281	--	**5.77**	<1	<1	1.53	--	--	--	--			1.50
	06/22/04	12.29	0.00	8.72	737	487	294	--	3.26	3.66	1.46	14.25	--	--	--	--			1.00
	09/29/04	10.89	0.00	10.12	190	419	<496	--	<0.5	<0.5	0.67	1.3	--	--	--	--			2.00
	12/29/04	11.90	0.00	9.11	430	<262	**<524**	--	**18.2**	2.27	1.08	11.22	--	--	--	--			1.50
	03/17/05	12.18	0.00	8.83	250	259	<476	--	<1	1.27	<1	4.22	--	--	--	--			2.50
	06/02/05	10.87	0.00	10.14	137	<238	**604**	--	<1	<1	<1	<2	<1	--	--	--			1.50
	07/26/05	11.37	0.00	--	59.4	<250	<500	--	<0.2	<0.2	<0.2	<0.50	<1	0.520	--	--			10.10
30.09	11/07/05	14.71	0.00	15.38	<50	<243	<485	--	<0.5	<0.5	<0.5	<3.00	<1	--	--	--			3.80
	02/22/06	11.14	0.00	18.95	**1,830**	<248	<495	--	**32.4**	63.8	19.6	284	<5[q]	15.0	1.66	--			--
	05/10/06	12.49	0.00	17.60	<50	<243	<485	--	<0.5	<0.5	<0.5	<3.00	<1	<1	<1	--			1.88
	08/29/06	12.18	0.00	17.91	91.2	<258	**<515**	--	2.59	1.61	1.19	12.4	<1	<5	1.30	--			0.94
	12/12/06	11.17	0.00	18.92	686	<238	<476	--	**5.46**	11.2	5.87	60.4	<1	<5	<1	--			0.10
	03/06/07	10.20	0.00	19.89	64.6	<266	**<532**	--	<0.5	1.14	1.02	5.76	<1	<5	<1	--			9.14
	06/14/07	12.18	0.00	17.91	121	<236	<472	--	1.56	<0.5	0.5	<3.00	<1	<5	<1	--			0.58
	09/14/07	13.09	0.00	17.00	<50	<245	<490	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			-0.02
	12/17/07	10.90	0.00	19.19	**3,130**	<240	<481	--	**54.0**	72.00	27	600.00	<1	--	**18.80**	--			--
	03/18/08	11.04		19.05	750	<236	<472	<1	**249**	2.16	1.16	3.32	**51.40**	<1	<5	**92.10**			--
	06/01/08	11.90	0.00	18.19	**1,370**	<238	<476	343	4.9	2.52	5.77	158	<1	7.31	--	<1			--
	08/10/08	12.45	0.00	17.64	**1,450**	<240	<481	444	**51.3**	1.7	13.4	115	<1	18.10	**3.31**	<1			--
	11/02/08	11.80	0.00	18.29	685	<245	<490	<245	**3.6**	0.54	4.58	38	<1.00	10.30	1.77	<1.00			--
	02/22/09	12.40	0.00	17.69	**2,380**	<238	<476	**692**	**35.2**	49.0	52.4	391	--	21.00	**5.44**	<1.00			--
	05/17/09	12.35	0.00	17.74	**1,840**	<236	<472	459	**12.5**	2.37	35.5	199	<1.00	16.30	1.37	<1.00			--
	08/16/09	14.12	0.00	15.97	**1,100**	**840**	<480	**650**	4.7	0.53	3.7	47	<1.0	5.9	<5.0	<5.0			--
	11/15/09	11.65	0.00	18.44	**1,300**	440[r]	<480	**530[r]**	**12.0**	2.9	19	88	<1.0	20	1.5	<1			--
	02/21/10	11.00	0.00	19.09	**4,120**	**958**	**649**	**1,030**	**161**	66.6	184	**1,530**	--	15.7	0.85	<0.10			--
	05/23/10	11.15	0.00	18.94	**2,260**	**810**	**522**	**1140**	**80.6**	13.6	106	706	--	13.3	2.2	<0.10			--
	08/15/10	11.43	0.00	18.66	**2,350**	<79.2	<396	**598**	**51.0**	2.6	47.0	415	--	16.7	**4.3**	0.64			
	11/14/10	10.70	0.00	19.39	**5,580**	111	<388	**912**	**94.3**	10.3	151	**1270**	--	22.5	<10.0	<10.0			
	02/27/11	--	--	--	Well compromised, unable to sample														
	06/14/11	Not Sampled																	
	08/29/11	Not Sampled																	
MW-38	11/05/91	--	0.00	--	**<1,000**	**<1,000**	--	--	<0.5	0.6	<0.5	0.5	--	--	--	--			--
16.52	03/08/95	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/06/95	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/95	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/95	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	04/01/96	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/25/96	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/27/96	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/28/97	9.23	0.00	7.29	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/30/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/16/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	06/26/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/23/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
MW-38	12/17/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
contd.	03/31/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	8.96	0.00	7.56	<50	403	<500	--	0.636	1.33	0.554	2.59	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02[c]	8.87	0.00	7.65	<100	282	<500	--	0.743	<2	<1	<1.50	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	7.84	0.00	8.68	<50	<250	<500	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	8.90	0.00	7.62	<50	<250	<500	--	0.704	1.42	0.722	3.72	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	8.09	0.00	8.43	<100	<133	<266	--	<1	<1	<1	<2	--	--	--	--			0.90
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	NM	NM	--	Unable to locate due to road construction activities														--
	12/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/17/05	8.32	0.00	8.20	<100	<250	<499	--	<1	<1	<1	<2	--	--	--	--			0.40
	06/02/05	--	--	--	Obstructed by vehicle														--
	06/16/05	--	--	--	Obstructed by vehicle														--
	07/26/05	7.60	0.00	8.92	<50	<250	<500	--	<0.2	<0.2	<0.2	<0.5	<1	<0.5	--	--			0.40
26.01	11/07/05	8.11	0.00	17.90	<50	<253	**<505**	--	<0.5	<0.5	<0.5	<3.00	<1	--	--	--			NM [o]
	02/21/06	--	--	--	Well obstructed by vehicle														--
	05/09/06	5.82	0.00	20.19	<50	<250	<500	--	<0.5	<0.5	<0.5	<3.00	<1	<1	<1	--			0.50
	08/30/06	7.02	0.00	18.99	<80	<245	<490	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			1.81
	12/13/06	8.56	0.00	17.45	<50	<250	<500	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			1.09
	03/07/07	7.92	0.00	18.09	<50	<250	<500	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			0.45
	06/14/07	6.37	0.00	19.64	<50	<240	<481	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			1.11
	09/12/07	6.93	0.00	19.08	<50	<240	<481	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			0.46
	12/17/07	--	--	--	Inaccessible, well covered by vehicle														--
	03/17/08	--	--	--	Inaccessible, well covered by vehicle														--
	06/02/08	6.71	0.00	19.30	<50	<236	<472	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	**3.77**	<1			--
	08/05/08	--	--	--	Vehicle parked over well														--
	11/04/08	7.86	0.00	18.15	<50.0	<245	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**5.99**	<1.00			--
	02/24/09	7.25	0.00	18.76	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	1.78	<1.00			--
	05/17/09	7.13	0.00	18.88	<50.0	<238	<476	<238	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	1.71	<1.00			
	08/17/09	20.00	0.00	6.01	<50	<240	<470	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**5.9**	<5.0			
	11/16/09	7.37	0.00	18.64	<50.0	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**4.9**	<1			
	02/22/10	8.30	0.00	17.71	<50.0	149	423	<75.5	<1.0	<1.0	<1.0	<3.0	--	<1.0	**5.9**	<0.10			
	05/23/10	Well Destroyed																	
MW-40	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	**5.8**	0.7	0.5	0.8	--	--	--	--			--
20.89	10/07/93	--	--	--	**930**	**1,800**	**1,900**	--	**36**	1.8	2.1	5.3	--	--	--	--			--
	12/30/93	10.68	0.00	10.21	**1,500**	**5,400**	**4,200**	--	**34**	1.1	11	7.4	--	--	--	--			--
	04/07/94	9.35	0.00	11.54	**1,200**	**2,200**	**2,000**	--	**29**	1.1	6.9	2.6	--	--	--	--			--
	07/15/94	10.68	0.00	10.21	**1,000**	**2,100**	**2,500**	--	**27**	0.8	1.2	1.7	--	--	--	--			--
	10/26/94	11.22	0.00	9.67	**1,200**	**2,900**	**2,600**	--	**20**	0.53	0.77	2.0	--	--	--	--			--
	03/08/95	10.98	0.00	9.91	**960**	**2,600**	**2,600**	--	**11**	<0.5	11	<1.0	--	--	--	--			--
	06/06/95	11.18	0.00	9.71	**1,500**	**2,300**	**1,600**	--	**6.8**	4.3	4.1	21	--	--	--	--			--
	09/07/95	11.08	0.00	9.81	650	**13,000**	**66,000**	--	**11**	0.91	0.57	<1.0	--	--	--	--			--
	12/08/95	10.30	0.00	10.59	500	**1,400**	**4,800**	--	2.7	3.00	<0.5	<1.0	--	--	--	--			--
	04/01/96	10.56	0.00	10.33	520	**3,200**	**13,000**	--	1.2	<0.5	0.55	<1.0	--	--	--	--			--
	06/25/96	10.69	0.00	10.20	500	**2,700**	**8,460**	--	<0.5	9.82	<0.5	<1.00	--	--	--	--			--
	09/27/96	10.95	0.00	9.94	602	**3,550**	**9,860**	--	0.604	41.1	0.525	<1.0	--	--	--	--			--
	03/28/97	10.92	0.00	9.97	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97[b]	11.11	0.00	9.78	325	**3,260**	**12,600**	--	<0.5	0.504	0.663	2.44	--	--	--	--			--
	03/16/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/23/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/17/98[b]	10.86	0.00	10.03	384	**2,840**	**9,620**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	03/31/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/09/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	10.75	0.00	10.14	449	**4,000**	**5,090**	--	2.12	2.19	1.38	3.88	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02	12.69	0.00	8.20	331	**2,810**	**3,470**	--	1.92	<2	<1	<1.50	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	11.30	0.00	9.59	509	**2,010**	**2,010**	--	<0.5	<0.5	0.630	1.77	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	12.46	0.00	8.43	259	393	**1,120**	--	2.64	3.01	1.39	6.77	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	11.55	Sheen	9.34	627	**863**	**3,360**	--	3.69	<1	<1	<2	--	--	--	--			1.71
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	12.03	Sheen	8.86	390	**32,800**	**219,000**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			1.40
	12/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/17/05	11.89	Sheen	9.00	402	**758**	**4,130**	--	<1	<1	<1	<2	--	--	--	--			0.20
	06/02/05	11.30	0.00	9.59	433	**692**[f,j]	**3,760**	--	<1	<1	<1	<2	<1	--	--	--			1.00
	07/26/05	11.35	0.00	--	216	**596**[c]	**1,600**	--	<0.2	<0.2	<0.2	<0.500	<1	<0.5	--	--			0.20
30.08	11/07/05	11.66	0.00	18.42	269	<243	<485	--	<0.5	<0.5	<0.5	3.58	<1	--	--	--			NM [o]
	02/23/06	--	--	--	397	<248	**546**	--	<0.5	<0.5	<0.5	<3.00	<1	<1	**7.35**	--			--
	05/10/06	12.50	0.00	17.58	207	<238	<476	--	<0.5	<0.5	<0.5	<3.00	<1	<1	1.84	--			0.67
	08/29/06	12.87	0.00	17.21	81.5	<236	<472	--	0.940	<0.5	<0.5	<3.00	<1	<5	2.01	--			0.30
	12/12/06	11.92	0.00	18.16	540	<243	<485	--	2.51	0.600	0.520	<3.00	<1	<5	<1	--			0.32
	03/07/07	10.63	0.00	19.45	216	<250	<500	--	<0.5	<0.5	<0.5	<3.00	<1	<5	1.08	--			0.35

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	06/14/07	11.71	0.00	18.37	179	<240	<481	--	<0.5	<0.5	<0.5	<3.00	<1	<5	1.05	--			0.51
	09/14/07	12.08	0.00	18.00	65.8	<250	<500	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			0.30
MW-40	12/17/07	10.10	0.00	19.98	203	<236	<472	--	<1	<1	<1	<2	<1	--	**7.37**	--			--
contd.	03/17/08	--	--	--	411	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	**4.10**			--
	06/02/08	11.22	0.00	18.86	272	<240	<481	<240	<0.5	0.68	<0.5	<3	<1	<5	**6.39**	<1			--
	08/04/08	14.00	0.00	16.08	149	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**12.5**	<1			--
	11/03/08	12.50	0.00	17.58	350	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<0.500	**4.97**	<1.00			--
	02/23/09	11.96	0.00	18.12	330	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	**7.09**	<1.00			--
	05/17/09	13.85	0.00	16.23	281	<238	<476	<238	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**4.64**	<1.00			
	08/16/09	17.95	0.00	12.13	Insufficient volume of water to fill sample containers.														
	11/15/09	--	--	--	Inaccessible														
	02/21/10	10.52	0.00	19.56	609	**1,070**	**771**	**711**	1.9	<1.0	<1.0	6.1	--	2.1	**3.9**	0.39			
	05/23/10	10.66	0.00	19.42	480	**861**	**909**	**810**	<1.0	<1.0	<1.0	<3.0	--	<1.0	**7.7**	0.25			
	08/15/10	Inaccessible																	
	11/14/10	10.07	0.00	20.01	500	109	<388	235	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			
	02/27/11	Decomissioned																	
MW-41	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	**67**	<0.5	<0.5	<0.5	--	--	--	--			--
27.00	12/29/93	11.24	0.00	15.76	<100	<250	**<750**	--	4.6	<0.5	<0.5	<0.5	--	--	--	--			--
	07/14/94	10.81	0.00	16.19	<100	<250	**<750**	--	**10**	<0.5	<0.5	<0.5	--	--	--	--			--
	10/25/94	13.69	0.00	13.31	<50	**500**	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	03/08/95	14.72	--	12.28	<50	<250	**<750**	--	1.6	<0.5	<0.5	<1.0	--	--	--	--			--
	06/06/95	15.02	--	11.98	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	09/07/95	15.00	--	12.00	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	12/08/95	16.30	--	10.70	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	04/01/96	15.02	--	11.98	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/25/96	15.07	--	11.93	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	09/27/96	15.42	0.00	11.58	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	03/28/97	15.27	0.00	11.73	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/02/05	15.48	0.00	11.52	<100	<237	<474	--	<1	<1	<1	<2	<1	--	--	--			1.40
	07/26/05	15.88	0.00	--	<50	258[c]	**977**	--	<0.2	<0.2	<0.2	<0.50	<1	<0.5	--	--			5.70
36.25	11/02/05	15.89	0.00	20.36	<50	<238	<476	--	<0.5	<0.5	<0.5	<3.00	<1	--	--	--	--	--	0.80
	02/23/06	15.26	0.00	20.99	<50	<250	<500	--	<0.5	<0.5	<0.5	<3.00	<1	<1	1.32	--	--	--	--
	05/09/06	15.47	0.00	20.78	<50	<253	**<505**	--	<0.5	<0.5	<0.5	<3.00	<1	<1	1.56	--	--	--	0.57
	08/30/06	15.90	0.00	20.35	<80	<240	<481	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--	--	--	0.80
	12/12/06	15.81	0.00	20.44	<50	<243	<485	--	<0.5	<0.5	<0.5	<3.00	<1	<5	**8.79**	--	--	--	1.42
	03/07/07	15.38	0.00	20.87	<50	<263	**<526**	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--	--	--	0.32
	06/14/07	15.45	0.00	20.80	79.2	<236	<472	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--	--	--	0.53
	09/13/07	15.61	0.00	20.64	<50	<236	<472	--	<0.5	<0.5	<0.5	<3.00	<1	<5	**2.56**	--	--	--	0.28
	12/18/07	15.46	0.00	20.79	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	**2.73**	--	--	--	--
	03/17/08	15.33	--	20.92	<50	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	<1	--	--	--
	06/03/08	15.31	0.00	20.94	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1	--	--	--
	08/04/08	15.59	0.00	20.66	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1	--	--	--
	11/04/08	15.80	0.00	20.45	<50.0	<245	<490	<245	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00	--	--	--
	02/24/09	15.60	0.00	20.65	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00	--	--	--
	05/17/09	15.78	0.00	20.47	<50.0	<250	<500	<250	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	2.05	<1.00	--	--	--
	08/16/09	16.25	0.00	20.00	<50	470	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0	--	--	--
	11/15/09	16.50	0.00	19.75	<50	<280	**<560**	<280	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	--	--	--	--	--
	02/21/10	15.50	0.00	20.75	<50.0	98.4	<379	<75.8	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.8	<0.10	--	--	--
	05/23/10	15.42	0.00	20.83	<50.0	<76.9	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.35	<0.10	--	--	--
	08/16/10	Unable to gauge and sample; Well damaged.																	--
	11/15/10	15.24	0.00	21.01	<50.0	<77.7	<388	<77.7	<1.0	1.8	<1.0	<3.0	--	<1.0	<10.0	<10.0	--	--	--
	02/28/11	15.09	0.00	21.16	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--	--	--	--
	06/14/11	15.13	0.00	21.12	<50.0	<82.5	<412	--	<1.0	<1.0	<1.0	<3.0	--	--	0.51	<0.10	--	--	--
	08/29/11	15.19	0.00	21.06	<50.0	<84.2	<421	<84.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	<0.10	<0.10	--	--	--
	12/05/11	15.32	0.00	20.93	<50.0	<85.1	<426	<85.1	<1.0	<1.0	<1.0	<3.0	--	<10.0	0.16	0.11	--	--	--
	02/15/12	15.19	0.00	21.06	<50.0	<76.2	<381	<76.2	<1.0	<1.0	<1.0	<3.0	--	2.0	<10.0	<10.0	--	--	--
	05/16/12	14.92	0.00	21.33	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0	--	--	--
	08/14/12	15.10	0.00	21.15	<50.0	<88.9	<444	<88.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0	--	--	--
MW-42	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	**180**	2.9	0.8	4.7	--	--	--	--			--
20.34	12/30/93	9.62	0.00	10.72	<100	**1,300**	**2,400**	--	**570**	0.5	<0.5	0.7	--	--	--	--			--
	04/07/94	9.36	0.00	10.98	<200	**840**	**1,100**	--	**620**	<1	<1	<1	--	--	--	--			--
	07/15/94	9.26	0.00	11.08	<100	**540**	**850**	--	**490**	0.6	<0.5	0.5	--	--	--	--			--
	10/26/94	9.92	0.00	10.42	92	**1,300**	**2,500**	--	**530**	0.55	<0.5	<1.0	--	--	--	--			--
	03/08/95	9.45	0.00	10.89	130	**670**	**1,200**	--	**790**	<25	<25	<50	--	--	--	--			--
	06/06/95	9.37	0.00	10.97	120	**920**	**1,500**	--	**500**	<0.56	<0.5	<1.0	--	--	--	--			--
	09/07/95	9.50	0.00	10.84	**3,000**	**780**	**1,200**	--	**210**	4.1	42	230	--	--	--	--			--
	12/08/95	8.95	0.00	11.39	200	**1,300**	**1,900**	--	**380**	<2	<2	<4.0	--	--	--	--			--
	04/01/96	9.03	0.00	11.31	180	**650**	**<750**	--	**280**	0.52	<0.5	<1	--	--	--	--			--
	06/25/96	9.07	0.00	11.27	150	**720**	**<750**	--	**150**	<0.5	<0.5	<1	--	--	--	--			--
	09/27/96	9.12	0.00	11.22	<250	**534**	**<750**	--	**228**	<2.5	<2.5	<5.00	--	--	--	--			--
	03/28/97	9.09	0.00	11.25	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/97	8.92	0.00	11.42	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	9.57	0.00	10.77	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/16/98	9.53	0.00	10.81	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/98	9.51	0.00	10.83	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/23/98	9.96	0.00	10.38	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/17/98	9.10	0.00	11.24	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/31/99	9.00	0.00	11.34	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/99	8.60	0.00	11.74	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/99	8.00	0.00	12.34	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/15/01	9.41	0.00	10.93	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01	9.66	0.00	10.68	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	10.28	0.00	10.06	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/08/02	9.75	0.00	10.59	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02	10.81	0.00	9.53	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/12/02	10.89	0.00	9.45	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	9.77	0.00	10.57	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/12/03	NM	NM	--	Not Sampled														--
	06/02/05	9.52	0.00	10.82	198	--[e]	--[e]	--	4.67	<1	<1	<2	<1	--	--	--			1.50
	06/16/05	9.34	0.00	11.00	--	97[f]	<250	--	--	--	--	--	--	--	--	--			1.00
	07/26/05	9.81	0.00	10.53	117	<250	<500	--	2.95	0.340	<0.2	0.900	<1	<0.5	--	--			0.90
28.66	11/02/05	10.18	0.00	19.00	179	<236	<472	--	**8.22**	<0.5	<0.5	<3.00	<1	--	--	--			0.10
	02/22/06	9.66	0.00	19.00	193	<248	<495	--	2.23	<0.5	<0.5	<3.00	<1[q]	<1	<1	--			--
	05/09/06	9.64	0.00	19.02	185	<250	<500	--	3.62	1.37	0.580	<3.00	<1	<1	<1	--			0.64

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	06/12/06	Decommissioned																	--
MW-43	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	**86**	3.4	0.6	2.7	--	--	--	--			--
21.04	12/30/93	--	--	--	340	320	**<750**	--	**82**	0.5	11	100	--	--	--	--			--
	07/14/94	10.70	0.00	10.34	360	<250	**<750**	--	**31**	<0.5	4.6	74	--	--	--	--			--
	10/26/94	11.34	0.00	9.70	160	**580**	**<750**	--	**9.1**	<0.5	<0.5	<1.0	--	--	--	--			--
	03/08/95	11.35	0.00	9.69	<50	**650**	**2,400**	--	**25**	<0.5	<0.5	<1.0	--	--	--	--			--
	06/06/95	11.45	0.00	9.59	<50	**690**	**1,500**	--	**8.2**	<0.5	<0.5	<1.0	--	--	--	--			--
	09/07/95	11.14	0.00	9.90	<50	<250	**850**	--	**10**	<0.5	<0.5	<1.0	--	--	--	--			--
	12/08/95	10.85	0.00	10.19	<50	**960**	**3,100**	--	**37**	<0.5	<0.5	<1.0	--	--	--	--			--
	04/01/96	10.98	0.00	10.06	<50	300	**<750**	--	4.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/25/96	11.06	0.00	9.98	<50	370	**<750**	--	2.57	<0.5	<0.5	<1.00	--	--	--	--			--
	09/27/96	11.33	0.00	9.71	<50	339	**<750**	--	4.4	<0.5	<0.5	<1.00	--	--	--	--			--
	03/28/97	11.13	0.00	9.91	<50	<250	**<750**	--	**5.89**	0.884	<0.5	2.47	--	--	--	--			--
	06/30/97[b]	7.08	0.00	13.96	<50	<250	**<750**	--	**59.2**	<0.5	<0.5	<1.00	--	--	--	--			--
	09/08/97[b]	11.46	0.00	9.58	83	<250	**<750**	--	**35.5**	<0.5	2.10	3.08	--	--	--	--			--
	12/19/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/16/98[b]	11.09	0.00	9.95	76.3	408	**<750**	--	**26.5**	<0.5	<0.5	<1.00	--	--	--	--			--
	06/26/98[b]	11.26	0.00	9.78	<50	346	**<750**	--	**69.6**	<0.5	<0.5	<1.00	--	--	--	--			--
	09/23/98[b]	11.75	0.00	9.29	<50	267	**<750**	--	**9.05**	<0.5	<0.5	<1.00	--	--	--	--			--
	12/17/98[b]	11.07	0.00	9.97	<50	<250	**<750**	--	**33.0**	<0.5	<0.5	<1.00	--	--	--	--			--
	03/31/99[b]	10.97	0.00	10.07	<50	267	**<750**	--	**9.84**	<0.5	0.782	2.47	--	--	--	--			--
	06/30/99[b]	9.97	0.00	11.07	146	253	**<750**	--	**28.2**	7.47	2.95	17.5	--	--	--	--			--
	12/08/99[b]	11.06	0.00	9.98	<50	<250	**<750**	--	**20.5**	<0.5	<0.5	<1.00	--	--	--	--			--
	06/20/00[b]	11.40	0.00	9.64	<50	<250	**<750**	--	3.79	<0.5	<0.5	<1.00	--	--	--	--			--
	12/19/00[b]	11.40	0.00	9.64	55.9	253	**<749**	--	2.97	0.948	0.730	4.78	--	--	--	--			--
	06/15/01[b]	11.32	0.00	9.72	<50	405	**<750**	--	0.670	<0.5	<0.5	1.22	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01[b]	11.46	0.00	9.58	<50	<293	**<587**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	11.17	0.00	9.87	52	487	<500	--	**5.61**	1.18	0.558	3.34	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02[c]	12.28	0.00	8.76	<100	303	<500	--	0.669	<2	<1	<1.50	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	11.20	0.00	9.84	<50	<321	**<641**	--	0.883	<0.5	<0.5	<1.00	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	12.37	0.00	8.67	<50	<291	**<581**	--	1.76	<0.5	<0.5	<1.00	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	11.95	0.00	9.09	<100	<129	<258	--	<1	<1	<1	<2	--	--	--	--			1.76
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	12.00	0.00	9.04	180	<249	<499	--	3.6	<0.5	<0.5	<1.0	--	--	--	--			0.10
	12/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/17/05	11.69	0.00	9.35	<100	<250	**<501**	--	2.2	<1	<1	<2	--	--	--	--			0.80
	06/02/05	11.18	0.00	9.86	<100	--[e]	--[e]	--	**15**	<1	<1	<2	<1	--	--	--			1.30
	06/16/05	11.16	0.00	9.88	--	<50	<250	--	--	--	--	--	--	--	--	--			1.20
	07/26/05	11.70	0.00	--	<50	<250	<500	--	4.24	<0.2	<0.2	<0.500	<1	<0.5	--	--			0.70
30.21	11/01/05	11.45	0.00	18.76	<50	<236	<472	--	<0.2	<0.5	<0.5	<1.00	<2	--	--	--			NM [o]
	02/21/06	10.99	0.00	19.22	<50	<281	**<562**	--	1.16	<0.5	<0.5	<3.00	<1	<1	<1	--			--
	05/09/06	11.40	0.00	18.81	<50	<236	<472	--	1.13	<0.5	<0.5	<3.00	<1	<1	<1	--			0.47
	08/31/06	11.90	0.00	18.31	<100	<236	<472	--	<0.5	<0.5	<0.5	<3.00	<1	<5	<1	--			2.64
	12/13/06	10.87	0.00	19.34	<50	<240	<481	--	**10.3**	<0.5	<0.5	<3.00	<1	<5	<1	--			0.11
	03/06/07	Decommissioned																	--
MW-44	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--			--
18.73	07/15/94	8.35	0.00	10.38	<100	<250	**<750**	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--			--
	10/26/94	9.81	0.00	8.92	<50	280	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	03/08/95	9.44	0.00	9.29	<50	290	**940**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/06/95	8.28	0.00	10.45	<50	<250	**820**	--	<0.5	<0.5	<0.5	1.60	--	--	--	--			--
	09/07/95	7.94	0.00	10.79	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	12/08/95	8.09	0.00	10.64	<50	**520**	**2,500**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	04/01/96	7.98	0.00	10.75	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/25/96	7.90	0.00	10.83	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	09/27/96	8.28	0.00	10.45	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	03/28/97	8.07	0.00	10.66	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/30/97[b]	7.84	0.00	10.89	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	09/08/97[b]	8.65	0.00	10.08	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	12/19/97[b]	8.51	0.00	10.22	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	03/16/98[b]	8.43	0.00	10.30	60.0	310	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/26/98[b]	8.37	0.00	10.36	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	09/23/98[b]	9.30	0.00	9.43	<50	343	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	12/17/98[b]	8.10	0.00	10.63	<50	271	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	03/31/99[b]	8.18	0.00	10.55	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/30/99[b]	8.03	0.00	10.70	<50	393	**<750**	--	<0.5	0.619	<0.5	1.21	--	--	--	--			--
	12/08/99[b]	8.52	0.00	10.21	<50	281	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/20/00[b]	9.53	0.00	9.20	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	12/19/00[b]	9.20	0.00	9.53	301	330	**<750**	--	<0.5	1.64	2.76	22.1	--	--	--	--			--
	06/15/01[b]	8.44	0.00	10.29	<50	468	**<841**	--	<0.5	<0.5	<0.5	<1.00	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01[b]	9.48	0.00	9.25	**10,300**	**4,250**	**849**	--	**1,050**	6.97	**945**	51.0	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	9.31	0.00	9.42	90.6	**823**	<500	--	**10.9**	1.40	0.644	4.04	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02[c]	10.79	0.00	7.94	<100	**1,600**	**569**	--	**14.2**	<2	<1	<1.50	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	11.58	0.00	7.15	196	347	**<575**	--	**26.8**	<0.5	<0.5	<1	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	10.97	0.00	7.76	156	<301	**<602**	--	**20.2**	0.997	<0.5	2.61	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	10.01	0.00	8.72	<100	<134	<268	--	<1	<1	<1	<2	--	--	--	--			1.90
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/29/04	9.24	0.00	9.49	<100	<260	**<520**	--	<1	<1	<1	<2	--	--	--	--			0.30
	03/17/05	9.48	0.00	9.25	<100	<240	<480	--	<1	<1	<1	<2	--	--	--	--			0.40
	06/02/05	8.30	0.00	10.43	<100	--[e]	--[e]	--	<1	<1	<1	<2	<1	--	--	--			1.20
	06/16/05	8.32	0.00	10.41	--	<50	<250	--	--	--	--	--	--	--	--	--			1.30
	07/26/05	8.76	0.00	--	<50	<250	<500	--	<0.200	<0.2	<0.2	<0.5	<1	<0.5	--	--			5.20
27.97	11/01/05	9.14	0.00	18.83	<50	<236	<472	--	<0.200	<0.5	<0.5	<1	<2	--	--	--			NM [o]
	02/21/06	8.58	0.00	19.39	<50	<263	**<526**	--	<0.500	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	9.29	0.00	18.68	<50	<272	**<543**	--	<0.500	<0.5	<0.5	<3	<1	7.98	<1	--			0.59
	08/29/06	9.89	0.00	18.08	<80	<240	<481	--	<0.500	<0.5	<0.5	<3	<1	<5	<1	--			0.37
	03/06/07	--	--	--	Not Sampled														--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	11/04/08	9.25	0.00	18.72	<50.0	<248	<495	<248	<0.500	<0.500	<0.500	<3.00		<5.00	<1.00	<1.00			--
	02/24/09	9.80	0.00	18.17	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
MW-44	05/17/09	11.97	0.00	16.00	<50.0	<238	<476	<238	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	1.01	<1.00			--
contd.	08/17/09	13.25	0.00	14.72	<50	<240	<480	260	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/16/09	10.95	0.00	17.02	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**3.2**	<1			--
	02/22/10	9.50	0.00	18.47	<50.0	166	<381	<76.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.52	<0.10			--
	05/24/10	9.46	0.00	18.51	<50.0	121	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.54	<0.10			--
	08/17/10	9.79	0.00	18.18	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.49	0.16			--
	11/15/10	9.21	0.00	18.76	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	02/27/11	Decomissioned																	--
	11/20/12	15.19	0.00	21.06	<50.0	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	**14.8**	**7.1**	--	--	--
	11/07/13	15.69	0.00	20.56	<100	<400	<400	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	--	--	--
	07/29/14	15.72	0.00	20.53	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.010	<1.0	--
36.09	12/09/14	15.70	0.00	20.39	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0099	<1.0	--
	03/23/15	15.42	0.00	20.67	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	15.57	0.00	20.52	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/10/15	15.81	0.00	20.28	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	10.58	0.00	25.51	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled.																	
	12/13/16	15.25	0.00	20.84	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MW-45	11/04/91	--	--	--	**17,000**	**2,000**	--	--		500	**1,000**	370	**2,300**	--	--	--			--
18.11	12/29/93	8.79	0.00	9.32	**11,000**	**1,100**	**860**	--		**2,900**	**760**	680	**3,000**	--	--	--			--
	04/07/94	8.22	0.00	-8.22	**16,000**	**830**	**<750**	--		**2,500**	620	580	**2,500**	--	--	--			--
	07/14/94	8.39	0.00	9.72	**25,000**	**850**	**1,100**	--		**4,000**	**750**	870	**3,600**	--	--	--			--
	10/25/94	9.10	0.00	9.01	**19,000**	**1,000**	**<750**	--		**2,600**	230	920	**3,000**	--	--	--			--
	09/07/01[b]	9.80	0.00	8.31	<50	375	**<606**	--		<0.5	<0.5	<0.5	<1	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	12/28/01	9.03	0.00	9.08	**17,300**	**2,210**	**597**	--		**2,130**	73.4	**1,330**	**2,970**	--	--	--			--
	03/08/02	9.12	0.00	8.99	**15,500**	**2,380**	**686**	--		**2,090**	38.4	**1,190**	**1,650**	--	--	--			--
	06/24/02	9.00	0.00	9.11	**5,100**	**1,920**	**761**	--		**1,330**	6.39	451	**235**	--	--	--			--
	09/26/02[c]	10.20	0.00	7.91	**2,420**	**1,190**	**547**	--		394	3.41	204	**106**	--	--	--			--
	12/12/02	NM	NM	--	Obstructed by vehicle														--
	03/13/03	8.05	0.00	10.06	**3,590**	**2,050**	<500	--		219	133	99.4	**368**	--	--	--			--
	06/12/03	9.16	0.00	8.95	**10,700**	**1,470**	**<575**	--		**1,350**	10.8	**954**	**631**	--	--	--			--
	09/19/03	10.68	0.00	7.43	583	<298	**<595**	--		1.93	2.25	5.65	**38.6**	--	--	--			--
	01/14/04	10.12	0.00	7.99	360	<118	<236	--		4.97	<0.5	2.48	1.01	--	--	--			0.40
	03/30/04	10.19	0.00	7.92	303	234	<240	--		<1	<1	<1	<2	--	--	--			0.84
	06/22/04	10.34	0.00	7.77	151	365	358	--		<1	<1	<1	<2	--	--	--			0.70
	09/29/04	10.40	0.00	7.71	270	<251	**<503**	--		<0.5	1.5	0.62	7.3	--	--	--			0.90
	12/29/04	9.40	0.00	8.71	207	<249	<498	--		2.90	<1	<1	9.04	--	--	--			0.30
	03/17/05	9.44	0.00	8.67	235	<239	<477	--		5.61	1.08	2.49	19.1	--	--	--			1.20
	06/01/05	8.62	0.00	9.49	793	283[tJ]	<491[j]	--		17.1	37.9	13.9	**83.8**	<1	--	--			1.30
	07/25/05	8.98	0.00	--	564	<250	**<500**	--		18.6	14.6	16.7	**113.2**	<1	**7.51**	--			3.20
27.52	11/01/05	9.81	0.00	17.71	100	<240	<481	--		<0.200	<0.5	<0.5	<1	<2	--	--			NM [o]
	02/21/06	8.83	0.00	18.69	484	<275	**<549**	--		5.13	<0.5	7.65	**36.5**	<1	**3.77**	1.30			--
	05/08/06	8.79	0.00	18.73	198	**540**	**<500**	--		1.06	<0.5	0.980	2.70	<1	1.69	<1			1.00
	08/30/06	9.84	0.00	17.68	104	<248	<495	--		<0.5	<0.5	<0.500	<3	<1	<5	<1			3.03
	12/12/06	9.13	0.00	18.39	**25,900**	**662**	<485	--		64.1	23.8	330	**5,020**	<5	**278**	**10.8**			1.49
	03/06/07	8.75	0.00	18.77	**1,680**	<260	**<521**	--		<0.5	<0.5	22.0	**139**	<1	**54**	<1			0.30
	06/15/07	8.85	0.00	18.67	**12,500**	439	<481 [r]	--		16.8	2.77	178	**1,590**	<1	**330**	1.77			0.24
	09/13/07	9.07	0.00	18.45	**23,400**	328	<481	--		65.3	16.9	303	**3,740**	<1	**246**	**6.85**			0.15
	12/17/07	--	--	--	Unable to sample, well under water														--
	03/18/08	8.30	0.00	19.22	<50	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/03/08	--	--	--	Unable to sample, well under water														--
	08/05/08	8.90	0.00	18.62	64.4	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.39	<1			--
	11/03/08	--	--	--	Well under water, unable to sample.														--
	02/22/09	11.44	0.00	8.38	53.2	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	--	15.0	<1.00	<1.00			--
	05/17/09	16.67	0.00	10.85	176.0	428	<476	431	<0.500	<0.500	<0.500	<3.00	<1.00	97.9	<1.00	<1.00			--
	08/16/09	16.92	0.00	10.60	250	**570**	<480	**1200**	<0.50	<0.50	<0.50	<2.0	<1.0	100	<5.0	<5.0			--
	11/15/09	9.12	0.00	18.40	**1000**	**2,200[Y]**	<480	**2,100[Y]**	3.9	2.2	11	28	<1.0	14	**9.2**	<1			--
	02/21/10	8.46	0.00	19.06	745	**1,160**	**832**	**566**	3.9	<1.0	34	23.2	--	14.5	**4.7**	<0.10			--
	05/23/10	8.15	0.00	19.37	398	**692**	**449**	**665**	1.3	<1.0	14.5	4	--	7.9	**3.1**	<0.10			--
	08/16/10	8.80	0.00	18.72	319	<77.7	<388	177	<1.0	<1.0	5.8	<3.0	--	7.5	**7.2**	0.37			--
	11/16/10	8.15	0.00	19.37	**1,880**	106	<388	**547**	**5.8**	1.3	43.1	212	--	28.4	<10.0	<10.0			--
	02/28/11	8.66	0.00	18.86	**10,500**	347	<388	**2,750**	**17.6**	3.3	172.0	479	--	150.0	<10.0	--			--
	06/14/11	8.85	0.00	18.67	**3,230**	137	<396	**--**	1.7	<1.0	46.8	34	--	--	1.8	<0.10			--
	08/29/11	8.62	0.00	18.90	**1,790**	119	<421	489	<1.0	<1.0	5.1	<3.0	--	36.5	0.4	<0.10			--
	12/05/11	7.80	0.00	19.72	**19,900**	298	<426	**6,960**	**20.5**	5.7	327	**2,240**	--	**213**	2.1	0.34			--
	02/15/12	9.05	0.00	18.47	**14,000**	219	<404	**2,470**	**11.6**	2.7	203	631	--	**206.0**	<10.0	<10.0			--
	05/15/12	8.14	0.00	19.38	**3,920**	211	<421	**1,330**	<5.0	<5.0	77.0	122	--	75.4	<10.0	<10.0			--
	08/14/12	8.78	0.00	18.74	**1,600**	206	<430	**676**	<1.0	<1.0	7.3	<3.0	--	33.7	<10.0	<10.0			--
	11/20/12	4.37	--	23.15	**4,130**	**1,900**	<100	**2,500**	**6.0**	2.8	105	612	--	99.3	**3.7**	<3.0			
	11/06/13	10.50	0.00	17.02	281	<400	<400	<400	<1.0	1.3	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
28.06	07/29/14	Well was dry																	
27.91	12/08/14	10.95	0.00	16.57	323	--	--	--	**6.2**	<1.0	1.6	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	9.23	0.00	18.29	**917**	--	--	--	**2.0**	<1.0	20.4	53.8	--	--	--	--	--	--	--
	06/22/15	10.57	0.00	16.95	474	--	--	--	**5.1**	<1.0	18.3	<3.0	--	--	--	--	--	--	--
	09/10/15	10.11	0.00	17.41	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/15	8.09	0.00	19.43	748	--	--	--	2.1	<1.0	20.3	3.4	--	--	--	--	--	--	--
	06/28/16	Unable to access well, not gauged or sampled.																	--
	12/13/16	Unable to access well, not gauged or sampled.																	--
	06/29/17	Well dewatered.																	--
	12/13/17	14.05	0.00	13.47	<100	--	--	**--**	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0			--
	06/13/18	Unable to access well, not gauged or sampled.																	--
	01/03/19	8.50	0.00	19.02	**1,230**	--	--	**--**	1.4	0.51J	34.1	5.6	--	--	<2.0	2.1J			
	12/18/19	Unable to access well, not gauged or sampled.																	--
MW-46	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	<0.5	0.6	<0.5	1.2	--	--	--	--			--
16.91	07/15/94	7.15	0.00	9.76	<100	270	**1,200**	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--			--
	10/25/94	8.51	0.00	8.40	<50	**1,500**	**7,300**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	03/08/95	8.00	0.00	8.91	<50	**720**	**3,600**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/06/95	7.30	0.00	9.61	<50	<250	**1,400**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	09/07/95	7.80	0.00	9.11	<50	**710**	**5,600**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	12/08/95	8.32	0.00	8.59	<50	**1,400**	**14,000**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	04/01/96	7.04	0.00	9.87	<50	<400	**2,800**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	06/25/96	7.85	0.00	9.06	<50	440	**2,090**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	09/27/96	7.57	0.00	9.34	<50	267	**<750**	--	0.518	<0.5	<0.5	<1.0	--	--	--	--			--
	03/28/97	7.25	0.00	9.66	<50	<250	**<750**	--	<0.5	1.25	<0.5	2.06	--	--	--	--			--
	06/30/97	7.12	0.00	9.79	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	8.82	0.00	8.09	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97[b]	9.40	0.00	7.51	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	03/16/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	06/26/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/23/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
MW-46	12/17/98[b]	9.20	0.00	7.71	<50	354	**<750**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
contd.	03/31/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/00	12.70	0.00	4.21	226	277	**<750**	--	<0.5	2.18	2.53	18.0	--	--	--	--			--
	06/15/01[b]	7.19	0.00	9.72	<50	295	**<750**	--	<0.5	<0.5	<0.5	1.39	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	NM	NM	--	Covered by asphalt														--
	03/08/02	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	09/26/02	NM	NM	--	Unable to locate														--
	12/12/02	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	03/13/03	NM	NM	--	Covered by asphalt														--
	06/12/03	NM	NM	--	--	--	--	--		--	--	--	--	--	--	--			--
	09/19/03	NM	NM	--	Covered by asphalt														--
	01/14/04	Monitoring Discontinued																	--
		Abandoned or Damaged - To be decomissioned at a later date																	
MW-47	11/05/91	--	--	--	**<1,000**	**<1,000**	--	--	**5.2**	0.5	<0.5	<0.5	--	--	--	--			--
19.83	12/30/93	9.50	0.00	10.33	<100	310	**<750**	--	2.0	<0.5	<0.5	1.0	--	--	--	--			--
	04/07/94	10.47	0.00	9.36	<100	300	**<750**	--	2.5	<0.5	<0.5	<0.5	--	--	--	--			--
	07/14/94	10.51	0.00	9.32	<100	290	**<750**	--	1.6	<0.5	<0.5	<0.5	--	--	--	--			--
	10/25/94	11.02	0.00	8.81	51	270	**<750**	--	1.8	<0.5	<0.5	<1.0	--	--	--	--			--
	03/08/95	10.88	0.00	8.95	<50	330	**1,600**	--	**5.3**	<0.5	<0.5	<1.0	--	--	--	--			--
	06/06/95	10.91	0.00	8.92	70	380	**780**	--	**15**	0.59	<0.5	2.3	--	--	--	--			--
	09/07/95	10.76	0.00	9.07	<50	260	**<750**	--	1.7	<0.5	<0.5	<1.0	--	--	--	--			--
	12/08/95	10.40	0.00	9.43	740	**580**	**2,000**	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			--
	04/01/96	10.67	0.00	9.16	<50	<250	**<750**	--	4.4	<0.5	<0.5	<1.0	--	--	--	--			--
	06/25/96	10.71	0.00	9.12	110	400	**<750**	--	**14.4**	<0.5	<0.5	<1.0	--	--	--	--			--
	09/27/96	10.85	0.00	8.98	<50	<250	**<750**	--	4.34	<0.5	<0.5	<1.0	--	--	--	--			--
	03/28/97[b]	10.92	0.00	8.91	64.5	<250	**<750**	--	**7.61**	<0.5	<0.5	1.57	--	--	--	--			--
	03/28/97	10.92	0.00	8.91	177	<250	**<750**	--	**52.6**	<0.5	<0.5	<1	--	--	--	--			--
	06/30/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/16/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/98[b]	10.78	0.00	9.05	<50	356	**<750**	--	**27.3**	<0.5	<0.5	<1	--	--	--	--			--
	09/23/98	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/17/98[b]	10.61	0.00	9.22	<50	<250	**<750**	--	3.34	<0.5	<0.5	1.12	--	--	--	--			--
	03/31/99	9.65	0.00	10.18	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/99	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/20/00[b]	10.94	0.00	8.89	<50	<250	**<750**	--	<1.30	<0.5	<0.5	<1	--	--	--	--			--
	12/19/00[b]	11.20	0.00	8.63	**1,310**	357	**<750**	--	<0.5	6.10	10.6	77.3	--	--	--	--			--
	06/15/01	10.98	0.00	8.85	<50	**591**	**<952**	--	0.709	0.504	<0.5	1.18	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01[b]	11.14	0.00	8.69	<50	356	<500	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	10.90	0.00	8.93	181	**542**	<500	--	**7.64**	1.49	4.79	37.8	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02[c]	11.85	0.00	7.98	106	**747**	<500	--	2.36	<2	<1.00	<1.5	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	10.91	0.00	8.92	75.5	<284	**<568**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	12.05	0.00	7.78	76.8	<294	**<588**	--	3.41	<0.5	<0.5	1.14	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/30/04	11.81	0.00	8.02	272	262	**980**	--	<1	<1	<1	<2	--	--	--	--			1.21
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	11.87	0.00	7.96	200	329	**735**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			0.20
	12/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/17/05	11.62	0.00	8.21	166	<248	<495	--	<1	<1	<1	<2	--	--	--	--			0.80
	06/01/05	11.25	0.00	8.58	217	<252	**616[f]**	--	<1	<1	<1	<2	1.3	--	--	--			1.70
	07/25/05	11.36	0.00	--	162	<250	<500	--	<0.2	<0.2	<0.2	<0.5	1.18	<0.5	--	--			1.00
29.34	11/04/05	11.42	0.00	17.92	99.2	<236	<472	--	<0.5	<0.5	<0.5	<1	<1	--	--	--			NM [o]
	02/22/06	11.24	0.00	18.10	73.5	<238	<476	--	<0.5	<0.5	<0.5	<3	1.06	<1	<1	--			--
	05/09/06	11.41	0.00	17.93	97.8	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			1.24
	06/13/06	Decommissioned																	--
MW-48	06/01/05	9.40	0.00	--	357	294[g]	<494	--	<1	<1	<1	<2	<1	--	--	--			1.30
27.98	07/25/05	9.48	0.00	--	334	<250	<500	--	<0.2	<0.2	<0.2	<0.5	<1	<0.5	--	--			0.60
	11/04/05	9.35	0.00	18.63	278	<236	<472	--	<0.5	<0.5	<0.5	<1	<1	--	--	--			NM [o]
	02/22/06	9.41	0.00	18.57	**6,460**	<258	**<515**	--	**139**	26.8	219	**1140**	<20.0[q]	41	<1	--			--
	05/09/06	9.12	0.00	18.86	325	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			0.32
	08/30/06	10.40	0.00	17.58	176	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			1.79
	12/13/06	--	--	--	275	<240	<481	--	<0.5	<0.5	0.870	4.44	<1	<5	<1	--			0.09
	03/06/07	Decommissioned																	--
MW-49	07/25/05	3.82	0.00	--	313	**2,060**	**6,590**	--	<0.2	<0.2	<0.200	0.3	<1	0.550	--	--			3.20
22.36	11/02/05	3.60	0.00	18.76	<50	<236	<472	--	0.200	<0.5	0.660	1.06	<2	--	--	--			NM [o]
	02/24/06	--	--	--	380	457	**<556**	--	<0.5	<0.5	3.45	9.35	<1	1.52	1.69	--			--
	05/11/06	3.59	0.00	18.77	201	**2,550[p]**	**625[p]**	--	<0.5	<0.5	<0.5	<3	<1	<1	2.21	--			0.54
	08/31/06	4.73	0.00	17.63	<100	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	**5.73**	--			1.19
	12/13/06	4.03	0.00	18.33	197	<240	**679**	--	<0.5	<0.5	<0.5	<3	<1	<5	**3.33**	--			1.30
	03/07/07	3.47	0.00	18.89	232	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	<1.85	--			0.09
	06/13/07	3.59	0.00	18.77	178	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	<5	2.42	--			0.88
	09/12/07	3.76	0.00	18.60	68.7	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	2.47	--			0.17
	12/19/07	2.59	0.00	19.77	308	<236	<472	--	<1	<1	<1	<3	<1	<1	**13**	--			--
	03/18/08	3.12	0.00	19.24	<50	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	**12.9**			--
	06/03/08	3.55	0.00	18.81	51.8	<236	<472	<236	1.38	<0.5	<0.5	<3	<1	<5	**6.12**	<1			--
	08/06/08	4.09	0.00	18.27	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**28.1**	<1			--
	11/04/08	3.13	0.00	19.23	Well under water, unable to sample.														--
	11/18/08	Decommissioned																	--
	11/20/12	4.37	--	23.15	**4,130**	**1,900**	<100	**2,500**	**6.0**	2.8	105	612	--	99.3	**3.7**	<3.0			
	11/06/13	10.50	0.00	Note Z	281	<400	<400	<400	<1.0	1.3	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
28.06	07/29/14	Well was dry																	
27.91	12/08/14	10.95	0.00	16.96	323	--	--	--	**6.2**	<1.0	1.6	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	9.23	0.00	18.68	**917**	--	--	--	**2.0**	<1.0	20.4	53.8	--	--	--	--	--	--	--
	06/22/15	10.57	0.00	17.34	474	--	--	--	**5.1**	<1.0	18.3	<3.0	--	--	--	--	--	--	--

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Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	09/10/15	10.11	0.00	17.80	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/15	8.09	0.00	19.82	748	--	--	--	2.1	<1.0	20.3	3.4	--	--	--	--	--	--	--
MW-49	06/28/16	Unable to access well, not gauged or sampled.																	--
contd.	12/13/16	Unable to access well, not gauged or sampled.																	--
MW-50	10/10/01	11.11	0.00	8.69	**8,970**	**2,200**	<606			674	221	382	**779**	--	--	--			--
19.80	12/28/01	10.45	0.00	9.35	**23,200**	**3,460**	<500			1,630	3,690	991	**4,480**	--	--	--			--
	03/08/02	NM	NM	--	Obstructed by vehicle														--
	06/24/02	10.84	0.00	8.96	**8,290**	**1,970**	556			414	23	314	**2,010**	--	--	--			--
	09/26/02	NM	NM	--	Obstructed by vehicle														--
	12/12/02	NM	NM	--	Obstructed by vehicle														--
	03/13/03	9.93	0.00	9.87	**12,200**	**1,810**	<588			733	127	523	**1,100**	--	--	--			--
	06/12/03	11.27	0.00	8.53	**6,450**	**1,740**	<500			448	13.7	299	**286**	--	--	--			--
	09/19/03	12.05	0.00	7.75	**4,440**	<250	<500			51.7	315	26.1	**462**	--	--	--			--
	01/14/04	11.81	0.00	7.99	**29,700**	**1,970**	<258			308	502	312	**6,180**	--	--	--			4.10
	03/30/04	11.65	0.00	8.15	**3,330**	**867**	<241			21.8	<5	21.9	**226.4**	--	--	--			1.69
	06/22/04	11.79	0.00	8.01	**2,130**	**874**	<237			14.2	2.4	27.9	**85.11**	--	--	--			1.10
	09/29/04	11.71	0.00	8.09	**3,600**	**1,330**	<502			92	62	100	**520**	--	--	--			0.20
	12/29/04	11.01	0.00	8.79	**1,570**	**745**	<611			9.69	3.88	9.98	**27.62**	--	--	--			1.50
	03/17/05	11.26	0.00	8.54	**1,420**	**1,060**	506			5.82	2.41	10.6	**30.59**	--	--	--			0.60
	06/01/05	10.58	0.00	9.22	**1,710**	**528[g]**	<503			20.3	10.7	42.3	**84.7**	8.01	--	--			1.30
	07/25/05	10.90	0.00	--	**1,500**	<250	<500			16.8	3.23	36.9	**50.11**	4.29	**7.04**	--			1.70
29.32	11/01/05	10.60	0.00	18.72	634	380 [g]	<472			15.9	2.49	0.52	2.19	5.62	--	--			NM [o]
	02/21/06	10.56	0.00	18.76	**1,430**	<272	<543			139	15.4	16.7	**28.20**	<5	**7.05**	1.33			--
	05/08/06	10.81	0.00	18.51	**1,550[j]**	**1,870**	<485			28.4	2.13	24.7	**35.06**	3.88	**9.48**	<1			<1.00
	08/29/06	11.58	0.00	17.74	264	<248	<495			8.55	0.780	6.87	7.26	4.23	<5	<1			0.47
	12/12/06	10.61	0.00	18.71	**1,650**	<243	<485			80.9	2.75	18.9	41.9	3.93	**17.4**	1.62			0.09
	03/08/07	10.53	0.00	18.79	**1,650**	<240	<481			51.3	1.06	14.1	33.6	2.92	**35.9**	<1			0.30
	06/15/07	10.74	0.00	18.58	**1390** [J]	333	<495 [r]			28.0	1.00	6.46	5.20	1.85	**40.5**	<1			0.35
	09/13/07	10.90	0.00	18.42	439	<240	<481			4.36	<0.5	0.650	<3	1.89	**10.3**	<1			0.13
	12/18/07	9.63	0.00	19.69	886	<236	<472			1.10	<1	4	<3	<1	**6.9**	**2.94**			--
	03/18/08	11.39	0.00	17.93	77.6	<236	<472	<1	<236	1.02	0.58	1.85	<3	<1	<5	<1			--
	06/03/08	--	--	--	Well covered by trailer truck, unable to sample														--
	08/05/08	11.28	0.00	18.04	**1,260**	<236	<472	494	3.94	0.50	8.42	9.76	2.06	<5	**4**	<1			--
	11/03/08	10.79	0.00	18.53	**1,250**	<236	<472	478	<0.500	<0.500	3.69	4.84	<1.00	<5.00	<1.00	<1.00			--
	11/18/08	--	--	--	Thought to be Decommissioned														--
	11/15/09	11.88	0.00	17.44	630	**2,900[v]**	<490	**3000**	2.3	0.74	0.65	<2.0	<1.0	660[n]	1.1	<1			--
	02/21/10	11.02	0.00	18.30	<50.0	**1,280**	457	392	<1.0	<1.0	<1.0	4.9	--	62.8	0.61	<0.10			--
	05/23/10	10.72	0.00	18.60	57.4	**1320**	433	**1080**	<1.0	<1.0	<1.0	<3.0	--	60.4	0.92	<0.10			--
	08/16/10	11.07	0.00	18.25	<50.0	158	<392	181	<1.0	<1.0	<1.0	<3.0	--	33.4	0.63	0.18			--
	11/16/10	10.43	0.00	18.89	<50.0	102	<388	102	<1.0	<1.0	<1.0	<3.0	--	35.6	<10.0	<10.0			--
	02/28/11	10.75	0.00	18.57	74.8	102	<388	114	<1.0	<1.0	<1.0	<3.0	--	19.2	<10.0	--			--
	06/14/11	10.06	0.00	19.26	<50.0	<82.5	<412	--	<1.0	<1.0	<1.0	<3.0	--	--	0.52	<0.10			--
	08/29/11	10.65	0.00	18.67	65.1	<86.0	<430	88.2	<1.0	<1.0	<1.0	<3.0	--	15	0.19	0.12			--
	12/05/11	10.15	0.00	19.17	71.6	<86.0	<430	<86.0	<1.0	<1.0	<1.0	<3.0	--	10.2	0.53	<0.10			--
	02/15/12	11.35	0.00	17.97	85.0	110	<426	154	<1.0	<1.0	<1.0	<3.0	--	20.5	<10.0	<10.0			--
	05/15/12	10.36	0.00	18.96	97.9	<80.0	<400	87.3	<1.0	<1.0	<1.0	<3.0	--	16.1	<10.0	<10.0			--
	08/14/12	10.75	0.00	18.57	138	117	<430	143	<1.0	<1.0	<1.0	<3.0	--	11.4	<10.0	<10.0			
	06/04/19	10.75	0.00	18.57	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	1.1J	<2.0	<2.0	<0.24	<0.22	0.36
	12/18/19	Not Gauged or Sampled.																	--
MW-51	10/10/01	11.68	0.00	8.90	671	11,700	2,150	--	10.1	10.4	7.75	16.6	--	--	--	--			--
20.58	12/28/01	11.20	0.00	9.38	631	2,170	3,100	--	37.0	75.6	30.4	81.2	--	--	--	--			--
	03/08/02	11.38	0.00	9.20	102	2,350	1,610	--	6.22	5.89	3.84	10.4	--	--	--	--			--
	06/24/02	11.60	0.00	8.98	57.7	2,650	1,730	--	1.28	1.42	0.699	2.51	--	--	--	--			--
	09/26/02[c]	12.18	0.00	8.40	<100	1,660	875	--	0.848	<2	<1	<1.5	--	--	--	--			--
	12/12/02	12.28	0.00	8.30	<50	2,050	781	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	03/13/03	11.05	0.00	9.53	<50	693	<625	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	12.42	0.00	8.16	52.4	<250	<500	--	1.47	1.81	0.544	3.59	--	--	--	--			--
	01/14/04	11.79	0.00	8.79	73.5	<139	<278	--	<0.25	0.804	<0.5	<1	--	--	--	--			0.40
	03/30/04	12.22	0.00	8.36	<100	404	401	--	<1	<1	<1	<2	--	--	--	--			1.56
	06/22/04	12.10	0.00	8.48	104	129	<237	--	<1	<1	<1	<2	--	--	--	--			1.20
	09/29/04	12.20	0.00	8.38	150	<242	<484	--	<0.5	<0.5	<0.5	<1	--	--	--	--			1.40
	12/29/04	11.80	0.00	8.78	<100	<257	<514	--	<1	<1	<1	<2	--	--	--	--			0.10
	03/17/05	11.58	0.00	9.00	<100	<240	<481	--	<1	<1	<1	<2	--	--	--	--			1.80
	06/01/05	11.62	0.00	8.96	<100	408[f]	<520	--	<1	<1	<1	<2	<1	--	--	--			2.10
	07/25/05	11.74	0.00	--	<50	697[c]	826	--	<0.2	<0.2	<0.2	<0.5	<1	<0.5	--	--			2.90
29.75	11/04/05	11.80	0.00	17.95	<50	<238	<476	--	<0.5	<0.5	<0.5	<1	<1	--	--	--			NM [o]
	11/04/05	--	--	--	--	1,290 [t,f]	536 [t,f]	--	--	--	--	--	--	--	--	--			--
	02/22/06	11.64	0.00	18.11	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/08/06	11.82	0.00	17.93	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<1	**3.71**	--			1.61
	08/30/06	12.23	0.00	17.52	<80	<245	<490	--	<0.5	<0.5	<0.5	<3	1.20	<5	**2.81**	--			0.56
	12/12/06	11.70	0.00	18.05	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.18
	03/07/07	11.61	0.00	18.14	<50	<258	<515	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.42
	06/15/07	11.77	0.00	17.98	<50	<245	<490 [r]	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.31
	09/13/07	11.95	0.00	17.80	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.38
	12/19/07	11.17	0.00	18.58	<50	<236	<472	--	<1	<1	<1.00	<3	<1	<1	**20.60**	--			--
	03/18/08	11.71	--	18.04	<50	<236	<472	<1	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	06/03/08	--	--	--	Well covered by construction vehicles and semi-trucks, unable to sample														--
	08/05/08	11.98	0.00	17.77	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	1.40			--
	11/04/08	11.83	0.00	17.92	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00		<5.00	<1.00	<1.00			--
	02/22/09	15.32	0.00	14.43	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	12.97	0.00	16.78	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	2.36	<1.00			
	08/16/09	14.80	0.00	14.95	Insufficient volume of water to fill sample containers.														
	11/15/09	11.81	0.00	17.94	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0[n]	<1	<1			
	02/21/10	11.52	0.00	18.23	<50.0	1,040	1,550	<76.9	<1.0	<1.0	<1.0	<3.0	--	2.4	**6.1**	<0.10			
	05/23/10	11.40	0.00	18.35	<50.0	1270	1610	346	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.47	<0.10			
	08/17/10	11.59	0.00	18.16	<50.0	<78.4	<392	346	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.4	0.10			
	11/16/10	10.42	0.00	19.33	<50.0	<76.9	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			
	02/27/11	--	--	--	Well Compromised, not sampled														
	06/14/11	Well Compromised, not monitored or sampled																	
	08/29/11	Well Compromised, not monitored or sampled																	
MW-52	10/10/01	10.79	0.00	--	13,400	1,460	<582	--	1,150	<10	827	793	--	--	--	--			--
	12/28/01	10.22	0.00	--	7,900	1,690	595	--	634	5.87	509	479	--	--	--	--			--
	03/08/02	10.42	0.00	--	10,100	2,790	<602	--	814	6.30	602	387	--	--	--	--			--
	06/24/02	10.58	0.00	--	9,820	2,810	640	--	1,250	<25	757	448	--	--	--	--			--
	09/26/02[c]	11.51	0.00	--	6,600	3,530	<500	--	943	21.7	600	284	--	--	--	--			--
	12/12/02	11.61	0.00	--	1,170	7,350	638	--	120	0.822	73.9	7.30	--	--	--	--			--
	03/13/03	9.59	0.00	--	4,540	1,530	<568	--	272	52.7	236	210	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	NM	NM	--	Obstructed by vehicle														--
	01/14/04	11.00	0.00	--	905	<126	<252	--	16.6	0.532	39.6	2.45	--	--	--	--			0.30

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	03/30/04	11.47	0.00	--	738	462	<253	--	16.8	<1	18.4	24.66	--	--	--	--			1.31
	06/22/04	11.50	0.00	--	1,600	593	<248	--	161	<10	70.1	<20	--	--	--	--			1.50
MW-52	09/29/04	11.45	0.00	--	290	<253	<507 [r]	--	4.9	<0.5	4.8	2.3	--	--	--	--			0.30
contd.	12/29/04	10.75	0.00	--	844	272	<507	--	28.7	<1	17	9.22	--	--	--	--			0.40
	03/17/05	11.00	0.00	--	752	<238	<477	--	18.9	<1	17.6	3.75	--	--	--	--			0.70
	06/01/05	10.30	0.00	--	503	<249 [j]	<498 [j]	--	28.3	<1	19	7.06	<1	--	--	--			1.40
	07/25/05	10.60	0.00	--	401	368	<500	--	14.5	<0.2	8.24	3.12	<1	2.37	--	--			1.50
29.06	11/08/05	10.41	0.00	18.65	243	<243	<485	--	6.47	0.860	9.39	4.69	<1	--	--	--			NM [o]
	02/23/06	10.38	0.00	18.68	91.8	587	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	<1			--
	05/08/06	10.48	0.00	18.58	<250 [s]	290 [p]	<490	--	<0.5	<0.5	0.560	<3	<1	<1	<1	<1			0.57
	08/30/06	11.33	0.00	17.73	178	<236	<472	--	10.3	1.14	8.04	11	<1	<5	<1	<1			3.70
	12/13/06	10.37	0.00	18.69	215	<245	<490	--	5.82	<0.5	4.20	<3	<1	<5	1.02	1.02			0.10
	03/06/07	--	--	--	Not Accessable- construction equipment														--
	06/15/07	10.23	0.00	18.83	146	<250	<500	--	0.620	<0.5	<0.5	<3	<1	<5	<1	--			0.25
	09/13/07	10.36	0.00	18.70	57.7	<250	<500	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.01
	12/17/07	--	--	--	Unable to locate														--
	03/17/08	9.85	0.00	19.21	<50	<238	<476	<1	<238	<0.5	<0.5	<0.5	<3	<1	<5	**97.6**			--
	06/02/08	10.14	0.00	18.92	52.70	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**6.14**	<1			--
	08/04/08	11.08	0.00	17.98	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**8.43**	<1			--
	11/05/08	10	0.00	19.06	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00		<5.00	**17.80**	<1.00			--
	11/18/08	Decommissioned																	--
MW-53	03/13/03	11.17	0.00	9.58	14,000	1,030	<625	--	398	143	501	1,170	--	--	--	--			--
20.75	06/12/03	12.05	0.00	8.70	9,700	1,370	<500	--	553	197	431	1,270	--	--	--	--			--
	09/19/03	12.85	0.00	7.90	1,470	<250	<500	--	29.3	6.61	28.5	111	--	--	--	--			--
	01/14/04	11.70	0.00	9.05	2,770	181	<264	--	173	3.79	91.7	127.1	--	--	--	--			0.40
	03/30/04	12.26	0.00	8.49	3,580	686	<237	--	257	49.7	125	204.8	--	--	--	--			1.28
	06/22/04	12.23	0.00	8.52	4,820	750	<240	--	363	85.2	188	425	--	--	--	--			1.10
	09/29/04	12.60	0.00	8.15	240	311	<509	--	1.9	<0.5	1.4	6.7	--	--	--	--			1.90
	12/29/04	11.70	0.00	9.05	2,650	655	<491	--	225	11.9	92.8	123.4	--	--	--	--			0.30
	03/17/05	12.97	0.00	7.78	1,560	293	<515	--	106	3.25	40.9	61.3	--	--	--	--			1.40
	06/01/05	11.22	0.00	9.53	3,120	381 [q]	493 [r]	--	205	5.98	120	236.9	1.88	--	--	--			1.50
30.38	07/25/05	11.75	0.00	--	450	310 [b]	<500	--	20.4	0.610	8.96	13.14	<1	9.15	--	--			2.50
	11/04/05	11.49	0.00	18.89	1,510	<236	<472	--	164	<2.5	59.4	28.2	<5.00	--	--	--			1.70
	02/22/06	11.04	0.00	19.34	2,770	<248	<495	--	183	5.65	77.2	173	<5.00 [q]	30.0	1.16	--			--
	05/08/06	11.54	0.00	18.84	559	<245	<490	--	66.6	<1	21.2	9.06	<2.00	8.24	1.32	--			0.95
	08/30/06	12.32	0.00	18.06	1,980	<236	<472	--	188	4.50	61.2	112	<1	38.7	<1	--			0.41
	12/12/06	11.07	0.00	19.31	177	<245	<490	--	33.8	<0.5	2.20	4.38	<1	<5	**3.34**	--			1.13
	03/07/07	11.17	0.00	19.21	<50	<236	<472	--	2.86	<0.5	<0.5	<3	<1	<5	1.44	--			0.50
	06/15/07	11.42	0.00	18.96	71.4	<238	<476 [r]	--	1.11	<0.5	0.590	<3	<1	<5	<1	--			0.80
	09/13/07	11.64	0.00	18.74	<50	<238	<476	--	0.970	<0.5	<0.5	<3	<1	<5	**2.62**	--			0.02
	12/17/07	--	--	--	Unable to locate														--
	03/17/08	10.89	0.00	19.49	121	<236	<472	<1	<236	8.96	<0.5	3.69	3.58	<1	<5	**81.9**			--
	06/02/08	11.64	0.00	18.74	176	<236	<472	<236	17.4	<0.5	6.51	<3	<1	<5	**35.60**	<1			--
	08/04/08	12.35	0.00	18.03	382	<236	<472	<236	63.2	2.34	18.5	17.7	<1	5.36	**21.90**	<1			--
	11/040/8	11.34	0.00	19.04	117	<236	<472	<236	6.65	<0.500	2.92	<3.00	<1.00	<5.00	<1.00	<1.00			--
	11/18/08	--	--	--	Decommissioned														--
	11/20/12	8.88	0.00	20.44	183	180	<100	250	<1.0	<1.0	<1.0	<3.0	--	6.5	**6.4**	<3.0			
	11/06/13	12.55	0.00	16.77	185	**540**	<400	**530**	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	Well contained approximately 0.05 foot of water in well cap; well was not sampled.																	
29.00	12/08/14	14.07	0.00	14.93	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	**14.0**	<10.0	<0.0098	<1.0	--
	03/27/15	12.05	0.00	16.95	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.79	0.00	16.21	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/10/15	12.54	0.00	16.46	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	12.01	0.00	16.99	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled.																	--
	12/14/16	10.7	0.00	18.30	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MW-54	06/16/05	9.09	0.00	18.91	206	130 [r]	410	--	4.82	<1	2.09	10.27	<1	--	--	--			1.40
28.00	07/25/05	9.51	0.00	18.49	177	<250	<500	--	**5.26**	0.280	0.680	3.11	<1	0.990	--	--			0.20
	11/18/05	9.73	0.00	18.27	75.8	<243	<485	--	0.560	0.530	4.19	10.8	<1	--	--	--			0.39
	02/23/06	9.44	0.00	18.56	<50	**695**	<472	--	<0.5	<0.5	<0.5	<0.5	<1	<1	1.04	--			--
	05/08/06	9.31	0.00	18.69	<50	328 [p]	<500	--	<0.5	<0.5	<0.5	<3	<1	<1	1.41	--			0.97
	08/29/06	10.33	0.00	17.67	<80	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.53
	12/12/06	9.69	0.00	18.31	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<5	**2.69**	--			1.99
	03/06/07	9.40	0.00	18.60	<50	<263	**<526**	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.83
	06/15/07	9.25	0.00	18.75	<50	<243	<485 [r]	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.38
	09/13/07	9.59	0.00	18.41	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			0.20
	12/18/07	8.53	0.00	19.47	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	1.13	--			
	03/18/08	9.06	--	18.94	<50	<236	<472	<1	**<236**	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/03/08	--	--	--	Unable to sample, well under water														--
	08/05/08	9.68	0.00	18.32	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	2.37	<1			--
	11/03/08	8.72	0.00	19.28	<50	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**8.64**	<1.00			--
	02/22/09	--	--	--	Well inaccessible: buried under garbage containers.														--
	05/17/09	--	--	--	Well inaccessible: buried under garbage containers.														--
	08/16/09	11.78	0.00	16.22	280	<240	<480	310	<0.50	<0.50	1.4	2.5	<1.0	<5.0	<5.0	<5.0			--
	11/15/09	9.78	0.00	18.22	<50	<240	<470	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	1.8	<1			--
	02/21/10	9.20	0.00	18.80	<50.0	178	434	<75.8	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.1	0.24			--
	05/23/10	8.64	0.00	19.36	<50.0	144	384	92.8	<1.0	<1.0	<1.0	<3.0	--	<1.0	**4.4**	0.12			--
	08/16/10	9.30	0.00	18.70	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	**5.7**	0.21			--
	11/17/10	8.76	0.00	19.24	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	02/28/11	9.23	0.00	18.77	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/14/11	8.50	0.00	19.50	<50.0	<84.2	<421	--	<1.0	<1.0	<1.0	<3.0	--	--	1.2	<0.10			--
	08/29/11	9.13	0.00	18.87	<50.0	<84.2	<421	<84.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.58	<0.10			--
	12/05/11	8.90	0.00	19.10	<50.0	<84.2	<421	<84.2	<1.0	<1.0	<1.0	<3.0	--	<10.0	0.70	0.18			--
	02/16/12	9.98	0.00	18.02	<50.0	<75.8	<379	<75.8	<1.0	<1.0	<1.0	<3.0	--	2.4	<10.0	<10.0			--
	05/15/12	8.38	0.00	19.62	<50.0	<75.5	<377	<75.5	<1.0	<1.0	<1.0	<3.0	--	4.0	<10.0	<10.0			--
	08/14/12	9.40	0.00	18.60	<50.0	<87.9	<440	<87.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
MW-55	06/16/05	10.53	0.00	18.69	2,240	3,100 [f,i]	<2,500 [i]	--	<2	<2	<2	<4	<2	--	--	--			--
29.22	07/25/05	10.92	0.00	18.30	1,850	1,390 [a]	<500	--	0.480	1.69	2.57	1.99	<1	908	--	--			--
	11/01/05	11.11	0.00	18.11	814	699 [n]	<526	--	0.360	2.12	<0.500	<1	<2	--	--	--			--
	02/21/06	10.62	0.00	18.60	278	353	<562	--	<0.5	1.35	<0.500	<3	<1	117	<1	--			--
	05/08/06	11.47	0.00	17.75	190	358	<500	--	<0.5	0.550	<0.500	<3	<1	64.9	<1	--			--
	08/29/06	12.23	0.00	16.99	<80	268	<495	--	1.42	0.910	0.720	6.95	<1	104	<1	--			--
	12/12/06	11.51	0.00	17.71	60.1	<243	<485	--	<0.5	<0.5	<0.5	<3	1.06	39.1	<1	--			--
	03/06/07	10.73	0.00	18.49	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	06/15/07	11.46	0.00	17.76	<50	<245	<490 [r]	--	<0.5	<0.5	<0.5	<3	<1	7.19	<1	--			--
	09/13/07	11.99	0.00	17.23	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/18/07	10.42	0.00	18.80	<50	<236	<472	--	<1	<1	<1	<3	<1	3.60	2.31	2.31			--
	03/18/08	11.03	0.00	18.19	<50	<238	<476	<1	<238	<0.5	<0.5	<0.5	<3	<1	<5	1.00			--
	06/03/08	11.23	0.00	17.99	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	6.88	1.30	<1			--
	08/05/08	11.76	0.00	17.46	Vehicle parked over well														--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
MW-55	11/02/08	11.75	0.00	17.47	51.8	<245	<490	<245	<0.5	<0.5	<0.5	<3.00	<1.00	10.1	1.16	<1.00			--
contd.	11/18/08	Decommissioned																	--
MW-56	06/16/05	10.91	0.00	18.79	135	210[f]	380[f]	--	<1	<1	<1	<2	1.29	--	--	--			--
29.70	07/25/05	11.24	0.00	18.46	220	<250	<500	--	3.81	<0.2	3.96	<0.5	<1	<0.5	--	--			--
	11/03/05	11.03	0.00	18.67	130	<236	<472	--	7.28	<0.5	1.70	2.33	<2	--	--	--			--
	02/22/06	10.96	0.00	18.74	285	<248	<495	--	3.69	0.690	0.870	<3	2.79	<1	<1	--			--
	05/08/06	11.19	0.00	18.51	120	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	11.96	0.00	17.74	449	<243	<485	--	36.7	<0.5	4.02	<3	1.67	<5	1.85	--			--
	12/12/06	11.11	0.00	18.59	609	<245	<490	--	2.72	0.570	5.12	<3	3.56	<5	<1	--			--
	03/06/07	10.96	0.00	18.74	279	<250	<500	--	<0.5	<0.5	<0.500	<3	2.20	<5	<1	--			--
	06/15/07	11.11	0.00	18.59	106	<245	<490 [r]	--	1.94	<0.5	0.650	<3	1.53	10.1	<1	--			--
	09/13/07	11.30	0.00	18.40	<50	<250	<500	--	<0.5	<0.5	<0.500	<3	<1	<5	<1	--			--
	12/18/07	9.83	0.00	19.87	51.30	<236	<472	--	<1	<1	<1.00	<3	<1	<1	**2.99**	--			--
	03/18/08	10.68	0.00	19.02	92.90	<236	<472	<1	<236	1.01	0.62	1.83	<3	<1	<5	**5.97**			--
	06/03/08	11.12	0.00	18.58	73.80	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	11.60	0.00	18.10	98.4	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.46	<1			--
	11/03/08	11.11	0.00	18.59	312	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	11/18/08	Decommissioned																	--
MW-57	06/16/05	10.54	0.00	18.77	16,900	1,800[f]	<1,200	--	525	2,310	327	2,188	<20	--	--	--			--
29.31	07/25/05	10.83	0.00	18.48	11,400	418[b]	571	--	614	2,680	436	2,647	<1	98.0	--	--			--
	11/08/05	10.62	0.00	18.69	3,980	<245	<490	--	328	497	100	525	<10	--	--	--			--
	02/23/06	10.59	0.00	18.72	10,800	877	<495	--	909	1,570	381	2,230	<20	92.0	**4.38**	--			--
	05/08/06	10.70	0.00	18.61	12,200	426	<485	--	538	960	281	1,671	<1	94.0	2.09	--			--
	08/30/06	11.55	0.00	17.76	2,620	<248	<495	--	249	37.9	77.4	350	<1	28.9	1.24	--			--
	12/13/06	10.55	0.00	18.76	39,400	422	<495	--	1,200	5,020	1,150	6,590	<5	266	**5.18**	--			--
	03/08/07	10.44	0.00	18.87	21,600	267	<472	--	1,130	2,330	876	4,610	<40	291	**9.81**	--			--
	06/15/07	10.65	0.00	18.66	19,800	<245	<490 [r]	--	699	1,010	660	3,350	<20	256	1.77	--			--
	09/14/07	10.82	0.00	18.49	34,900	349	<495	--	1,470	2,400	1,270	6,520	<1	<500	**27.60**	--			--
	12/18/07	9.60	0.00	19.71	221	<236	<472	--	<1	<1	<1	<3	<1	1.60	**200**	--			--
	03/18/08	10.18	0.00	19.13	23,100	340	<476	1.92	4,660	942	1,610	878	4,190	<1	<200	**199**			--
	06/03/08	10.56	0.00	18.75	173	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**49.8**	<1			--
	08/04/08	11.17	0.00	18.14	7,580	<236	<472	1,510	433	154	399	1,860	<1	87.2	**322**	<1			--
	11/05/08	10.49	0.00	18.82	76.2	<238	<476	367	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**12.8**	<1.00			--
	11/18/08	Decommissioned																	--
MW-58	06/16/05	11.71	0.00	18.98	3,970	420[f]	<250	--	628	499	143	541	<5	--	--	--			--
30.69	07/25/05	11.85	0.00	18.84	7,750	673[b]	<500	--	1,420	1,610	379	1,687	<1	57.0	--	--			--
	11/07/05	11.84	0.00	18.85	1,350	<248	<495	--	147	123	37.2	177	<4	--	--	--			--
	02/22/06	11.54	0.00	19.15	28,700	<258	<515	--	2,570	3,980	906	4,200	<50 [q,r]	166	1.21	--			--
	05/08/06	11.81	0.00	18.88	11,700	<238	<476	--	959	1,150	314	1,644	<1	107	1.04	--			--
	08/30/06	12.54	0.00	18.15	9,010	<245	<490	--	2,070	347	736	2,950	<1	<250	2.09	--			--
	12/13/06	11.37	0.00	19.32	17,000	268	<485	--	1,720	241	767	2,920	<5	178	<1	--			--
	03/08/07	11.84	0.00	18.85	3,790	<245	<490	--	423	367	100	548	<20	<100	**13.0**	--			--
	06/15/07	11.72	0.00	18.97	2,220	<243	<485 [r]	--	328	175	54.0	333	<1	12.3	<1	--			--
	09/13/07	12.25	0.00	18.44	260	<238	<476	--	20.8	5.73	5.50	10	<1	<5	<1	--			--
	12/19/07	10.20	0.00	20.49	111	<236	<472	--	7.9	<1	1.60	7	<1	1.2	**71.50**	--			--
	03/17/08	11.38	0.00	19.31	486	<236	<472	<1	<236	116.0	<0.5	22.30	8.68	<1	<5	**3.29**			--
	06/02/08	11.78	0.00	18.91	2,350	<236	<472	472	328 [x]	2.45	167 [x]	215	<1	10.60	**19.30**	<1			--
	08/04/08	12.44	0.00	18.25	2,680	<236	<472	539	533	1.94	154	231	<1	19.20	**6.82**	<1			--
	11/04/08	12.12	0.00	18.57	1,310	<236	<472	355	130	1.46	80.9	99.7	<1.00	8.62	**3.47**	<1.00			--
	11/18/08	Decommissioned																	--
MW-59	06/16/05	12.00	0.00	18.73	10,100	1,700[f]	<1,200	--	519	<10	176	725.2	<10	--	--	--			--
30.73	07/25/05	12.30	0.00	18.43	4,680	253	<500	--	307	1.24	181	201	<4	64.3	--	--			--
	11/08/05	12.05	0.00	18.68	919	<250	<500	--	10.3	<0.5	28.8	41.0	<1	--	--	--			--
	02/22/06	--	--	--	1,630	<248	<495	--	89.8	<2.5	105	<15	<5 [q,r]	9.80	1.83	--			--
	05/08/06	12.15	0.00	18.58	968	322	<500	--	27.9	0.510	53.2	89.44	<1	6.27	1.04	--			--
	08/30/06	13.01	0.00	17.72	830	<236	<472	--	27.1	<0.5	61.7	82.8	<1	<5	1.82	--			--
	12/13/06	12.05	0.00	18.68	1,280	<243	<485	--	76.3	1.35	50.7	24.8	<1	13.5	2.18	--			--
	03/06/07	11.90	0.00	18.83	129	<245	<490	--	2.22	<0.5	1.12	<3	<1	<5	<1	--			--
	06/15/07	12.12	0.00	18.61	87.8	<245	<490 [r]	--	8.24	<0.5	0.740	<3	<1	<5	<1	--			--
	09/13/07	12.29	0.00	18.44	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	<5	1.13	--			--
	12/18/07	10.95	0.00	19.78	80.20	<236	<472	--	<1	<1	<1	<3	<1	<1	**16.60**	--			--
	03/17/08	11.68	0.00	19.05	126	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	**142.00**			--
	06/02/08	12.09	0.00	18.64	184	<240	<481	<240	<0.5	<0.5	<0.5	<3	<1	<5	**32.10**	<1			--
	08/04/08	12.60	0.00	18.13	213	<236	<472	270	5.64	<0.5	0.51	<3	<1	<5	**132**	<1			--
	11/05/08	11.90	0.00	18.83	280	<238	<476	<238	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	2.29	<1.00			--
	11/18/08	Decommissioned																	--
MW-60	06/16/05	11.54	Sheen	18.77	64,300	4,300[f,i]	<5,000[i]	--	4,100	6,820	2,260	10,610	<40	--	--	--			--
30.31	07/25/05	11.87	0.00	18.44	48,800	2,820[b]	791	--	3,670	4,730	1,570	7,720	<1	299	--	--			--
	11/07/05	11.53	0.00	18.78	78,100	311 [f]	<472	--	5,260	6,550	2,950	16,200	<200	--	--	--			--
	11/07/05	--	--	--	--	490 [f]	<962 [i]	--	--	--	--	--	--	--	--	--			--
	02/24/06	11.61	0.00	18.70	56,900	973	<510	--	5,020	89.6	2,750	14,600	<40	721	**5.09**	--			--
	05/08/06	11.72	0.00	18.59	48,800	1,150	<476	--	3,660	179	1,780	8,500	<1	473	**3.21**	--			--
	08/30/06	12.59	0.00	17.72	40,700	406p	<521	--	5,350	434	2,610	10,300	<1	472	**2.56**	--			--
	12/12/06	11.64	0.00	18.67	56,400	417	<505	--	4,630	58.6	2,840	11,200	<5	<500	2.14	--			--
	03/07/07	11.44	0.00	18.87	27,700	<245	<490	--	1,780	84.8	652	4,870	<40	350	1.09	--			--
	06/15/07	7.01[v]	0.00	23.30[v]	41,200	957	<476 [r]	--	2,870	119	1,200	6,970	<40	880	1.11	--			--
	09/14/07	11.88	0.00	18.43	52,200	346	<500	--	3,260	42.2	1,680	10,100	<1	632	1.41	--			--
	12/18/07	10.59	0.00	19.72	29,300	361	<476	--	2,000	14.0	1,300	3,660	<1	320	**20.30**	--			--
	03/18/08	11.36	0.00	18.95	24,700	464	<472	<1	5,480	2,490	30.9	1,460	3,710	<1	**210**	1.67			--
	06/03/08	11.51	0.00	18.80	24,900	432	<472	7,830	2,890	13.8	1,400	2,510	<1	<200	**19.30**	<1			--
	08/04/08	12.22	0.00	18.09	29,400	680	<472	5,030	3,330	59.2	2,180	3,830	<40.0	377	1.65	<1			--
	11/05/08	11.54	0.00	18.77	23,300	740	<476	<476	2,220	24.6	1,760	2,440	<1.00	267	2.14	<1.00			--
	11/18/08	Decommissioned																	--
MW-61	11/01/05	11.39	0.00	18.85	<50	<236	<472	--	10.0	<0.5	<0.5	<1	<2	--	--	--			--
30.24	02/21/06	10.90	0.00	19.34	<50	<250	<500	--	2.80	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	11.36	0.00	18.88	<50	<240	<481	--	3.39	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/31/06	11.66	0.00	18.58	<100	<250	<500	--	0.600	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/13/06	10.68	0.00	19.56	<50	<238	<476	--	1.31	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-62	11/01/05	10.79	0.00	18.95	<50	<243	<485	--	0.470	<0.5	<0.5	<1	<2	--	--	--			--
29.74	02/21/06	10.52	0.00	19.22	<50	<275	<549	--	<2.50	<2.5	<2.5	<15	<5	<5	<1	--			--
	05/09/06	10.71	0.00	19.03	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/31/06	11.76	0.00	17.98	<100	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<5	1.13	--			--
	12/13/06	9.89	0.00	19.85	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-63	11/01/05	10.44	0.00	18.99	<50	<250	<500	--	1.00	<0.5	<0.5	<1	<2	--	--	--			--
29.43	02/21/06	10.26	0.00	19.17	<50	<278	<556	--	<0.5	<0.5	<0.5	<3	<1	<1	**5.98**	--			--
	05/09/06	10.41	0.00	19.02	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<1	1.43	--			--
	08/31/06	11.90	0.00	17.53	<100	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<5	**2.52**	--			--
	12/13/06	9.99	0.00	19.44	<50	<243	<485	--	0.59	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
MW-64	11/01/05	9.82	0.00	18.91	<50	<250	<500	--	41.9	<0.5	<0.5	<1	<2	--	--	--			--
28.73	02/21/06	9.48	0.00	19.25	84.9	<272	<543	--	32.4	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	9.60	0.00	19.13	133[l]	<248	<495	--	55.8	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/31/06	11.10	0.00	17.63	<100	<243	<485	--	6.00	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/13/06	9.22	0.00	19.51	<50	<240	<481	--	14.7	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-65	11/04/05	9.23	0.00	18.44	857	<236	<472	--	0.740	0.740	12.9	7.80	<1	--	--	--			--
27.67	02/23/06	9.13	0.00	18.54	1,000	638	<495	--	<0.5	1.83	15.3	8.34	<1	4.32	<1	--			--
	05/09/06	8.67	0.00	19.00	1,220[l]	<236	<472	--	<0.5	0.680	7.72	3.04	<1	2.52	<1	--			--
	08/30/06	9.90	0.00	17.77	261	<248	<495	--	<0.5	<0.5	11.2	3.42	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-66	11/07/05	10.50	0.00	18.15	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	--	--	--			--
28.65	02/24/06	10.28	0.00	18.37	<50	<253	<505	--	<0.5	<0.5	<0.5	<3	<1	<1 [r]	<1	--			--
	05/09/06	10.20	0.00	18.45	<50	<272	<543	--	<0.5	<0.5	<0.5	<3	<1	1.85	<1	--			--
	08/30/06	11.51	0.00	17.14	<80	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-67	11/04/05	9.33	0.00	18.31	78.1	<238	<476	--	<0.5	<0.5	0.77	1.44	<1	--	--	--			--
27.64	02/23/06	9.15	0.00	18.49	<50	<255	<510	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	8.81	0.00	18.83	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	9.55	0.00	18.09	<80	<275	<549	--	<0.5	<0.5	<0.5	<3	<1	<5	1.75	--			--
	03/06/07	Decommissioned																	--
MW-68	11/04/05	11.30	0.00	17.93	437	<236	<472	--	8.11	0.790	<0.5	<3	1.21	--	--	--			--
29.23	02/22/06	11.15	0.00	18.08	248	<255	<510	--	19.0	1.70	<0.5	5.08	<1	<1	<1	--			--
	05/09/06	11.33	0.00	17.90	184	<238	<476	--	2.46	0.570	<0.5	<3	<1	<1	<1	--			--
	08/30/06	11.72	0.00	17.51	168	<258	<515	--	1.29	2.08	<0.5	<3	1.02	<5	**8.45**	--			--
	12/13/06	11.26	0.00	17.97	401	<245	<490	--	115	<1.00	<1.00	<6	<2	<10	<1	--			--
	03/06/07	Decommissioned																	--
MW-69	11/07/05	9.10	0.00	18.57	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	--	--	--			--
27.67	02/23/06	9.02	0.00	18.65	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<1	**3.54**	--			--
	05/09/06	8.34	0.00	19.33	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<1	1.01	--			--
	08/30/06	9.54	0.00	18.13	<80	<255	<510	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-70	11/02/05	12.60	0.00	18.54	24,800	<236	<472	--	29.8	3.60	697	1,540	<1	--	--	--			--
31.14	02/23/06	12.04	0.00	19.10	8,290	<287	<575	--	33.3	2.00	428	537	<4	91.8	**3.47**	--			--
	05/09/06	12.37	0.00	18.77	15,500	<266	<532	--	108	<10	905	1,315.6	<20	233	2.18	--			--
	06/12/06	Decommissioned																	--
MW-71	11/03/05	11.61	0.00	18.81	18,100	5,880 [g]	<472	--	240	59.3	925	1,750	<20	--	--	--			--
30.42	02/23/06	11.23	0.00	19.19	21,800	1,770[g]	<485	--	190	28.0	848	1,710	<20	341	**3.25**	--			--
	05/10/06	11.71	0.00	18.71	25,100	733[p]	<495	--	195	<20	803	1,338	<40	410	**2.54**	--			--
	08/29/06	12.27	0.00	18.15	15,400	664[p]	<476	--	207	4.61	698	834	<1	364	**8.19**	--			--
	12/12/06	11.25	0.00	19.17	11,300	609	<476	--	127	68.2	237	512	<1	151	1.55	--			--
	03/07/07	11.19	0.00	19.23	22,100	567	<490	--	211	<20	836	1220	<40	691	2.33	--			--
	06/14/07	11.41	0.00	19.01	19,200	851 [g]	<490	--	186	2.67	647	667	<1	326	**2.89**	--			--
	09/14/07	11.60[w]	0.00	18.82	7,230	901	<485	--	128	2.00	329	122	<1	200	1.49	--			--
	12/17/07	10.81	0.00	19.61	16,500	823	<472	--	200	17.00	600	694	<1	--	**4.76**	--			--
	03/17/08	8.74	0.00	21.68	15,900	1070	<472	<1	5710	124	2.70	454	259	<1	**190**	2.47			--
	06/02/08	11.82	0.00	18.60	9,480	566	<472	4,280	94	24.5	291	328	<1	156	2.03	<1			--
	08/04/08	12.45	0.00	17.97	4,140	550	<472	1,860	31.7	1.06	103	62.3	<1	89.4	**2.97**	<1			--
	11/03/08	11.90	0.00	18.52	5,820	524	<485	2,450	49.2	1.03	69	10.4	<1.00	68.7	1.56	<1.00			--
	02/23/09	11.70	0.00	18.72	11,600	828	<481	4,340	136	2.3	358	213	--	193	2.25	<1.00			--
	05/17/09	12.46	0.00	17.96	13,400	1,380	<481	5,820	104	2.38	260	201	<1.00	151	2.21	<1.00			--
	08/16/09	14.22	0.00	16.20	2,300	660	<480	1,700	37	<0.50	56	14	<1.0	11	<5.0	<5.0			--
	11/15/09	11.65	0.00	18.77	2500	940[v]	<470	1100	6.2	0.6	25	6.5	<1.0	6.2	1.3	<1			--
	02/21/10	11.60	0.00	18.82	6,390	3,990	4,500	4,980	97.1	1.9	403	101	--	126	**9.0**	0.80			--
	05/23/10	11.08	0.00	19.34	2,550	3,860	4,440	4,410	39.7	3.8	84.0	12.7	--	56.4	**134**	.45			--
	08/15/10	11.69	0.00	18.73	5,130	912	729	2,710	99.1	<1.0	148	12.1	--	128	**14.8**	.87			--
	11/14/10	10.90	0.00	19.52	244	541	2,600	267	<1.0	1.8	<1.0	<3.0	--	3.3	**14.5**	<10.0			--
	02/27/11	Decomissioned																	--
MW-72	11/03/05	10.33	0.00	19.99	71.3	<236	<472	--	0.980	<0.5	<0.500	2.32	<2	--	--	--			--
30.32	02/23/06	10.84	0.00	19.48	1,900	408[g]	<500	--	11.0	1.22	98.2	25.3	<2	37.3	1.61	--			--
	05/10/06	11.60	0.00	18.72	1,540[j]	<250	<500	--	8.20	1.12	70.4	<6	<2	48.9	<1	--			--
	08/29/06	12.08	0.00	18.24	810	<253	<505	--	6.28	<0.5	10.2	<3	<1	48.4	<1	--			--
	12/12/06	11.11	0.00	19.21	970	<250	<500	--	3.29	<0.5	1.95	<3	<1	12.5	<1	--			--
	03/07/07	11.02	0.00	19.30	560	<260	<521	--	5.45	0.59	38.5	<3	<1	6.68	<1	--			--
	06/14/07	11.43	0.00	18.89	1,140	<255	<510	--	5.29	<0.5	2.72	<3	<1	10.0	1.97	--			--
	09/14/07	11.47	0.00	18.85	239	<250	<500	--	1.76	<0.5	<0.500	<3	<1	<5	<1	--			--
	12/17/07	10.67	0.00	19.65	489	<238	<476	--	1.8	<1	<1.00	<2	<1	--	1.13	--			--
	03/17/08	11.02	0.00	19.30	983	<236	<472	<1	407	3.3	<0.5	4.34	<3	<1	<5	<1			--
	06/02/08	11.65	0.00	18.67	1,160	<238	<476	474	2.89	<0.5	4.77	<3	<1	<5	<1	<1			--
	08/04/08	12.51	0.00	17.81	330	<236	<472	247	0.81	<0.5	<0.5	<3	<1	6.4	<1	<1			--
	11/03/08	11.80	0.00	18.52	577	<243	<485	278	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	02/23/09	11.80	0.00	18.52	780	<243	<485	3,130	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	12.38	0.00	17.94	786	634	<476	962	3.55	<0.500	24.1	<3.00	<1.00	8.92	2.14	<1.00			--
	08/16/09	14.21	0.00	16.11	170	<240	<490	<240	<0.50	<0.50	0.82	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/15/09	11.71	0.00	18.61	110	430[v]	2,500	<240	<0.50	0.77	<0.50	<2.0	<1.0	<5.0	**33**	<1			--
	02/21/10	11.15	0.00	19.17	258	1,810	1,720	803	<1.0	1.7	<1.0	<3.0	--	2.3	**5.1**	<0.10			--
	05/23/10	11.33	0.00	18.99	329	6,100	2,250	5,630	2.3	<1.0	<1.0	<3.0	--	<1.0	**10.6**	<0.10			--
	08/15/10	11.63	0.00	18.69	330	641	3,460	236	1.4	<1.0	3.1	<3.0	--	<1.0	**14.7**	.12			--
	11/14/10	10.87	0.00	19.45	261	159	749	147	<1.0	<1.0	1.6	<3.0	--	<1.0	<10.0	<10.0			--
	02/27/11	Decomissioned																	--
MW-73	11/03/05	11.50	0.00	18.61	1,070 [m]	249 [g]	<472	--	23.1	1.74	3.58	4.74	<2	--	--	--			--
30.11	02/23/06	11.32	0.00	18.79	2,420	731[g]	<500	--	13.2	2.13	4.52	<3	<1	<1	2.27	--			--
	04/10/06	11.67	0.00	18.44	2,460[j]	<236	<472	--	9.56	2.19	4.51	2.44	<1	1.06	1.97	--			--
	08/29/06	12.27	0.00	17.84	1,130[j]	<236	<472	--	12.60	2.40	1.89	<3	<1	<5	1.76	--			--
	12/12/06	11.35	0.00	18.76	2,360	<243	<485	--	14.50	2.01	4.32	<3	<1	<5	**3.01**	--			--
	03/07/07	11.31	0.00	18.80	2,260	<236	<472	--	17.5	1.47	2.72	3.11	<1	<5	1.16	--			--
	06/14/07	11.59	0.00	18.52	2,450	<260	<521	--	11.6	1.56	2.63	<3	<1	<5	2.16	--			--
	09/14/07	11.77	0.00	18.34	1,380	<236	<472	--	12.1	1.88	0.650	<3	<1	<5	1.60	--			--
	12/17/07	10.70	0.00	19.41	2,390	<236	<472	--	18.0	1.40	3.300	1.40	<1	--	**4.95**	--			--
	03/17/08	11.20	0.00	18.91	2,670	<238	<476	1.17	707	10.1	1.35	2.16	<3	<1	<5	2.15			--
	06/02/08	11.61	0.00	18.50	2,260	<236	<472	767	15.8	0.76	1.14	<3	<1	<5	**3.81**	1.00			--
	08/04/08	12.73	0.00	17.38	1,250	<236	<472	465	10.3	1.15	<0.5	<3	<1	<5	**11.50**	<1			--
	11/03/08	11.80	0.00	18.31	1,790	<243	<485	466	21.3	1.38	<0.500	<3.00	<1.00	<5.00	**6.74**	<1.00			--
	02/23/09	11.56	0.00	18.55	2,800	<240	<481	7,510	25.6	2.05	1.59	<3.00	--	<5.00	**4.82**	2.00			--
	05/17/09	12.96	0.00	17.15	1,510	<243	<485	430	9.97	1.00	0.73	<3.00	<1.00	<5.00	**5.34**	<1.00			--
	08/16/09	14.65	0.00	15.46	1,200	430	<480	1,100	5.0	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/15/09	11.63	0.00	18.48	2,700	1,100[v]	<480	1,500[v]	26	2	3.8	<2.0	<1.0	<5.0	**6.4**	**3.9**			--
	02/21/10	11.27	0.00	18.84	2,190	946	624	1,110	39	2.4	3.3	6.9	--	2.4	**7.8**	--			--
	05/23/10	6.63	0.00	23.48	2260	1030	659	1670	31.2	2.2	2.1	<3.0	--	<1.0	**5.7**	**3.5**			--
	08/15/10	11.59	0.00	18.52	1960	173	<392	671	37.3	1.8	1.7	<3.0	--	3.3	**6.9**	2.0			--
	11/14/10	10.65	0.00	19.46	1,410	407	1670	733	26.0	3.4	<1.0	<3.0	--	<1.0	**22.1**	<10.0			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	02/27/11	Decommissioned																	--
MW-74	11/04/05	11.79	0.00	18.56	2,160[j]	<245	<490	--	14.2	1.53	13.0	3.35	<1	--	--	--			--
30.35	02/23/06	11.35	0.00	19.00	3,320	<245	<490	--	11.0	1.37	17.3	3.50	<1	27.9	**5.42**	--			--
	05/10/06	11.70	0.00	18.65	3,320[j]	<240	<481	--	13.8	2.29	17.3	4.04	<1	27.8	1.94	--			--
	08/29/06	13.12	0.00	17.23	618[j]	<253	<505	--	33.9	4.55	8.18	<3	<1	21.6	**2.71**	--			--
	03/06/07	--	--	--	Not Accessible - Stacy Witback construction														--
	06/14/07	--	--	--	Not Accessible														--
	09/12/07	--	--	--	Not Accessible														--
	12/17/07	--	--	--	Not Accessible, covered for street car														--
	03/17/08	--	--	--	Well paved over														--
	06/03/08	Abandoned well																	--
MW-75	11/08/05	10.12	0.00	17.99	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	--	--	--			--
28.11	02/24/06	10.30	0.00	17.81	<50	<253	<505	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/11/06	9.53	0.00	18.58	<50	<240	<481	--	1.52	<0.5	<0.5	<3	<1	<1	<1	--			--
	06/12/06	Decommissioned																	--
MW-76	11/08/05	9.42	0.00	17.66	84.6	<245	<490	--	0.700	<0.5	<0.5	<3	<1	--	--	--			--
27.08	02/24/06	9.57	0.00	17.51	<50	394	752	--	<0.5	<0.5	<0.5	<3	<1	<1	**4.30**	--			--
	05/11/06	8.50	0.00	18.58	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	10.02	0.00	17.06	<80	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	1.78	--			--
	03/06/07	9.43	0.00	17.65	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/13/07	--	--	--	Not Accessible														--
	09/12/07	--	--	--	Not Accessible														--
	12/17/07	7.49	--	--	Not Accessible, well flooded during attempt to take sample														--
	03/18/08	7.46	0.00	19.62	<50	<236	<472	<1	<236	<0.5	0.55	<0.5	<3	<1	<5	**20.80**			--
	06/02/08	7.10	0.00	19.98	<50	<236	<472	<236	<0.5	0.52	<0.5	<3	<1	<5	1.31	<1			--
	08/05/08	7.60	0.00	19.48	<50	<240	<481	<240	<0.5	<0.5	<0.5	<3	<1	<5	**4.82**	<1			--
		Well abandoned in October 2008.																	--
MW-77	11/04/05	8.65	0.00	17.88	<50	<236	<472	--	<0.5	<0.5	0.540	<3	<1	--	--	--			--
26.53	02/23/06	8.86	0.00	17.67	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/11/06	8.11	0.00	18.42	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	1.08	<1	--			--
	06/12/06	Decommissioned																	--
MW-78	11/04/05	8.30	0.00	18.15	<50	<236	<472	--	0.590	0.760	0.730	<3	<1	--	--	--			--
26.45	02/23/06	8.48	0.00	17.97	<50	1,800[p]	<490	--	<0.5	0.660	<0.500	<3	<1	<1	<1	--			--
	05/11/06	7.91	0.00	18.54	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	06/12/06	Decommissioned																	--
MW-79	11/04/05	8.61	0.00	18.19	<50	<236	<472	--	0.620	<0.5	0.67	1.41	<1	--	--	--			--
26.80	02/23/06	8.59	0.00	18.21	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/11/06	8.18	0.00	18.62	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	06/12/06	Decommissioned																	--
MW-80	11/03/05	8.21	0.00	18.13	69.4	<243	<485	--	3.96	<0.5	10	7.88	<2	--	--	--			--
26.34	02/23/06	8.31	0.00	18.03	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	7.42	0.00	18.92	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	7.62	0.00	18.72	<80	<258	<515	--	--[u]	--[u]	--[u]	--[u]	--[u]	--[u]	<1	--			--
	12/13/06	8.57	0.00	17.77	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/07/07	8.18	0.00	18.16	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	06/14/07	5.43	0.00	20.91	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	**6.15**	--			--
	09/12/07	6.52	0.00	19.82	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	1.60	--			--
	12/18/07	8.62	0.00	17.72	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	**2.70**	--			--
	03/18/08	8.10	0.00	18.24	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.15			--
	06/02/08	7.35	0.00	18.99	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.64	<1			--
	08/05/08	7.97	0.00	18.37	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.81	<1			--
	11/04/08	8.51	0.00	17.83	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**3.66**	<1.00			--
	02/23/09	7.93	0.00	18.41	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	--	<5.00	**2.52**	<1.00			--
	05/17/09	8.03	0.00	18.31	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**2.83**	<1.00			--
	08/17/09	7.94	0.00	18.40	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/16/09	7.57	0.00	18.77	<50	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	2.4	<1			--
	02/22/10	Well Destroyed																	--
MW-81	11/03/05	8.37	0.00	17.84	<50	<236	<472	--	<0.2	<0.5	0.840	2.05	<2	--	--	--			--
26.21	02/23/06	8.41	0.00	17.80	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	1.30	--			--
	05/09/06	7.28	0.00	18.93	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	8.46	0.00	17.75	<80	<248	<495	--	--[u]	--[u]	--[u]	--[u]	--[u]	--[u]	<1	--			--
	12/13/06	8.90	0.00	17.31	<50	<258	<515	--	<0.5	<0.5	<0.500	<3	<1	<5	<1	--			--
	03/07/07	8.30	0.00	17.91	<50	<258	<515	--	<0.5	<0.5	<0.500	<3	<1	<5	<1	--			--
	06/14/07	7.46	0.00	18.75	<50	<240	<481	--	<0.5	<0.5	<0.500	<3	<1	<5	<1	--			--
	09/12/07	8.06	0.00	18.15	<50	<240	<481	--	1.08	<0.5	<0.500	<3	<1	<5	<1	--			--
	12/18/07	8.79	0.00	17.42	<50	<236	<472	--	<1	<1	<1.00	<3	<1	<5	1.82	--			--
	03/18/08	8.15	0.00	18.06	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.82			--
	06/02/08	7.31	0.00	18.90	<50	<238	<476	<238	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	7.94	0.00	18.27	<50	<238	<476	<238	<0.5	<0.5	<0.5	<3	<1	<5	**8.83**	<1			--
	11/04/08	8.53	0.00	17.68	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**7.90**	<1.00			--
	02/23/09	8.40	0.00	17.81	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	2.32	<1.00			--
	05/17/09	7.62	0.00	18.59	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**3.27**	<1.00			--
	08/17/09	20.00	0.00	6.21	<50	<240	<470	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**7.90**	<5.0			--
	11/16/09	8.55	0.00	17.66	<50	<240	<470	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**5.3**	<1			--
	02/21/10	8.67	0.00	17.54	<50.0	126	<383	<76.6	<1.0	<1.0	<1.0	<3.0	--	<1.0	**4.0**	<0.10			--
	05/23/10	Well Destroyed																	--
MW-82	11/03/05	4.92	0.00	18.78	16,300	1,850[g]	<472	--	308	427	696	3,370	<40	--	--	--			--
23.70	02/21/06	5.12	0.00	18.58	15,400	<258[q]	<515	--	483	256	477	2,110	<1	78.7	**3.90**	--			--
	05/11/06	4.88	0.00	18.82	6,890	554[p]	<476	--	221	120	177	1,043	<10	31.0	<1	--			--
	08/29/06	--	--	--	Not accessible - blocked by field office trailer														--
	12/11/06	5.53	0.00	18.17	5,590	<240	<481	--	244	50.7	184	815	<1	27.4	1.28	--			--
	03/08/07	4.99	0.00	18.71	8,910	<250	<500	--	425	193	328	1,450	<20	<100	1.39	--			--
	06/13/07	4.93	0.00	18.77	12,100	<243	<485	--	630	179	375	1,800	<1	154	1.27	--			--
	09/12/07	5.25	0.00	18.45	10,200	<240	<481	--	627	30.8	354	1,610	<1	29	<1	--			--
	12/19/07	4.36	0.00	19.34	6,030	<236	<472	--	360	51	230	840	<1	42	**2.65**	--			--
	03/18/08	4.98	0.00	18.72	8,570	<236	<472	<1	1,940	407	22.5	250	751	<1	**27.9**	<1			--
	06/03/08	5.00	0.00	18.70	7,640	<236	<472	1,950	570	8.71	316	1,190	<1	36.0	1.69	<1			--
	08/06/08	5.47	0.00	18.23	12,000	<236	<472	868	326	18	254	1,890	<1	79.8	1.28	<1			--
	11/040/8	4.75	0.00	18.95	20,900	<238	<476	3,370	1,050	177	549	3,760	<1.00	75.2	<1.00	<1.00			--
	11/18/08	Decommissioned																	--
MW-83	11/03/05	4.71	0.00	18.92	2,270	<236[j]	<472[j]	--	67.9	202	50.6	230	<4	--	--	--			--
23.63	02/24/06	4.84	0.00	18.79	4,370	<250	<500	--	198	367	93.9	393	<4	23.8	**3.59**	--			--
	05/11/06	5.02	0.00	18.61	2,820	550[p]	<500	--	163	172	66.6	259.9	<4	14.3	**4.96**	--			--
	08/31/06	5.88	0.00	17.75	386	<236	<472	--	8.90	4.97	6.30	24.7	<1	<5	1.11	--			--
	03/06/07	--	--	--	Not accessable- covered by sheet piles														--
	06/13/07	--	--	--	Not accessible														--
	09/12/07	--	--	--	Not accessible														--
	12/19/07	6.34	0.00	17.29	1,030	358	593	--	<1	<1	1.6	1.2	<1	<1	1.73	--			--
	03/17/08	--	--	--	Buried with construction material														--
	06/03/08	--	--	--	Well under construction debris														--
	08/06/08	Well under construction debris.																	--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
MW-84	11/02/05	9.85	0.00	18.66	95.5	<236	<472	--	10.2	<0.5	<0.500	<3	<1	--	--	--			--
28.51	02/22/06	9.63	0.00	18.88	189	<266	<532	--	53.4	0.550	<0.500	<3	<1	<1	<1	--			--
	05/09/06	9.58	0.00	18.93	143	<250	<500	--	29.7	0.810	<0.500	<3	<1	<1	<1	--			--
	06/12/06	Decommissioned																	--
MW-85	11/02/05	9.80	0.00	18.49	108	<236	<472	--	3.25	0.740	2.19	5.68	<1	--	--	--			--
28.29	02/22/06	9.29	0.00	19.00	69.8	<248	<495	--	5.47	0.770	0.850	<3	<1	<1	<1	--			--
	05/09/06	9.20	0.00	19.09	69.5	<245	<490	--	4.56	0.720	0.800	<3	<1	<1	<1	--			--
	08/29/06	10.57	0.00	17.72	<80	<248	<495	--	--[u]	--[u]	--[u]	--[u]	--[u]	--[u]	<1	--			--
	09/20/06	Decommissioned during construction activities																	--
MW-86	11/02/05	9.28	0.00	18.27	3,010	<248	<495	--	508	5.09	5.26	31.5	<1	--	--	--			--
27.55	02/21/06	9.29	0.00	18.26	7,880	<269[q]	<538	--	2,640	5.65	10.2	31.9	<5	<5	<1	--			--
	05/09/06	8.85	0.00	18.70	7,980	<240	<481	--	2,740	<25	64.0	104	<50	287	<1	--			--
	08/29/06	10.12	0.00	17.43	2,690[j]	<253	<505	--	1,640	6.58	9.78	29.2	2.62	<5	1.32	--			--
	12/11/06	9.61	0.00	17.94	4,700	<250	<500	--	1,410	5.79	7.66	28.2	3.21	<5	1.43	--			--
	03/07/07	9.23	0.00	18.32	7,370	<243	<485	--	2,530	<10	10.8	<60	<20	<100	<1	--			--
	06/13/07	9.01	0.00	18.54	7,300	<243	<485	--	2,430	7.40	11.9	26.9	<5	<25	<1	--			--
	09/12/07	9.11	0.00	18.44	5,410	<240	<481	--	1,860	5.55	8.31	25.0	1.56	<5	<1	--			--
	12/18/07	6.52	0.00	21.03	4,540	<238	<476	--	1,400	5.60	9.90	29.7	<1	1.40	1.32	--			--
	03/18/08	8.95	0.00	18.60	6,290	<236	<472	<1	457	1,950	7.10	9.36	27.9	<1	<5	<1			--
	06/03/08	8.60	0.00	18.95	5,340	<236	<472	533	1,380	7.19	12.60	28.40	<1	<5	<1	<1			--
	08/05/08	9.25	0.00	18.30	4,090	<236	<472	356	612	7.18	7.23	30.70	<1	<5	<1	<1			--
	11/04/08	9.28	0.00	18.27	2,430	<245	<490	545	232	<5.00	4.90	25.60	<1.00	<5.00	<1.00	<1.00			--
	02/24/09	8.90	0.00	18.65	4,750	<240	<481	4,760	1,300	6.48	7.67	29.70	--	<5.00	<1.00	<1.00			--
	05/17/09	11.02	0.00	16.53	10,300	<243	<485	767	3,380	22.40	87.70	95.00	<1.00	<5.00	<1.00	<1.00			--
	08/17/09	12.62	0.00	14.93	1,800	440	<480	2,100	1500	23	45	71	<1.0	<5.0	<5.0	<5.0			--
	11/16/09	9.41	0.00	18.14	2,700	1,000[y]	<480	1,600[y]	2,100[n]	42	76	200	<1.0	<5.0	<1	<1			--
	02/22/10	9.18	0.00	18.37	1,550	1,940	1,640	1,190	906	10.5	41.2	90.5	--	4	0.48	<0.10			--
	05/24/10	8.32	0.00	19.23	1,440	1,970	1,710	1,960	719	7.4	23.3	66.1	--	1.8	.51	<0.10			--
	08/16/10	9.15	0.00	18.40	1,270	87.6	<388	533	331	6.0	10.6	48.6	--	1.9	.63	.25			--
	11/15/10	8.92	0.00	18.63	1,460	<77.7	<388	540	263	6.8	6.7	46.3	--	2.2	<10.0	<10.0			--
	02/27/11	Decommissioned																	--
MW-87	11/02/05	8.40	0.00	18.34	<50	<245	<490	--	2.35	1.28	1.33	6.61	<1	--	--	--			--
26.74	02/21/06	8.55	0.00	18.19	<50	<263[q]	<526	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	7.98	0.00	18.76	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1.0	<1	<1	--			--
	08/29/06	9.33	0.00	17.41	<80	<248	<495	--	<0.5	<0.5	<0.5	<3	<1.0	<5	<1	--			--
	12/11/06	8.96	0.00	17.78	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1.0	<5	<1	--			--
	03/07/07	8.44	0.00	18.30	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1.0	<5	<1	--			--
	06/13/07	8.17	0.00	18.57	162	<243	<485	--	<0.5	<0.5	<0.5	<3	<1.0	<5	<1	--			--
	09/12/07	8.27	0.00	18.47	<50	<240	<481	--	<0.5	<0.5	<0.5	<3	<1.0	<5	<1	--			--
	12/18/07	7.50	0.00	19.24	<50	<240	<481	--	<1	<1	<1	<3	<1.0	<1	**2.95**	--			--
	03/18/08	8.09	0.00	18.65	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/03/08	7.80	0.00	18.94	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	8.44	0.00	18.30	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	11/04/08	8.75	0.00	17.99	<50.0	<243	<485	<243	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	1.46	<1.00			--
	02/24/09	7.70	0.00	19.04	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	--	<5.00	1.27	<1.00			--
	05/17/09	10.92	0.00	15.82	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	08/17/09	11.10	0.00	15.64	<50	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/16/09	8.74	0.00	18.00	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	1.3	<1			--
	02/22/10	8.40	0.00	18.34	<50.0	643	860	<76.6	<1.0	<1.0	<1.0	<3.0	--	<1.0	**3.3**	<0.10			--
	05/24/10	7.50	0.00	19.24	<50.0	543	675	263	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.86	<0.10			--
	08/16/10	8.35	0.00	18.39	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.4	<0.10			--
	11/15/10	8.00	0.00	18.74	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	02/27/11	Decomissioned																	--
MW-88	11/07/05	8.75	0.00	18.53	14,700	<240	<481	--	546	<50	2,230	1,400	<100	--	--	--			--
27.28	02/21/06	8.75	Sheen	18.53	LPH Present														--
	05/10/06	8.38	0.00	18.90	20,500	418[p]	<476	--	768	<50	2,590	1,121	<100	734	1.97	--			--
	08/29/06	9.77	0.10	17.51	LPH Present														--
	12/13/06	9.30	0.00	17.98	16,600	316	<485	--	208	<10	1,170	1,620	<20	255	2.2	--			--
	03/06/07	Decommissioned																	--
MW-89	11/03/05	3.92	0.00	19.10	1,110	<236	<472	--	10.3	8.20	82.5	170	<2	--	--	--			--
23.02	02/24/06	4.36	0.00	18.66	49,900	1,180[g]	<515	--	188	916	2,050	7,950	<20	860	**23.4**	--			--
	05/11/06	4.37	0.00	18.65	24,300	3,040[p]	<495	--	96.0	352	1,200	3,452	<40	365	**37.4**	--			--
	08/31/06	5.41	0.00	17.61	463	<245	<490	--	6.85	15.4	40.9	82.2	<1	59.8	**12.2**	--			--
	12/11/06	4.83	0.00	18.19	1,100	<248	<495	--	3.21	14.6	38.1	87.9	<1	50.8	**6.6**	--			--
	03/08/07	4.10	0.00	18.92	2,640	<250	<500	--	13.4	14.8	206	396	<10	122	**290**	--			--
	06/13/07	4.41	0.00	18.61	2,450	<236	<472	--	21.6	72.2	148	816	<1	596	**12.5**	--			--
	09/13/07	4.57	0.00	18.45	102	<238	<476	--	<0.5	7.65	5.87	<3	<1	63.2	**35.5**	--			--
	12/19/07	3.19	0.00	19.83	210	<236	<472	--	1.4	<1	<1	3.3	<1	4.7	**145.0**	--			--
	03/18/08	3.93	0.00	19.09	522	<236	<472	<1	260	0.89	1.66	13.90	7.62	<1	**57.0**	**875.0**			--
	06/03/08	4.40	0.00	18.62	818	<236	<472	357	4.84	0.64	16.50	23.50	<1	97.8	**38.5**	<1			--
	08/06/08	4.96	0.00	18.06	601	<236	<472	276	1.79	1.22	15.70	24.50	<1	70.4	**10.9**	<1			--
	11/04/08	4.49	0.00	18.53	4,590	<236	<472	1,610	2.27	1.55	150.00	214.00	<1.00	61.2	**16.4**	<1.00			--
	11/18/08	Decommissioned																	--
MW-90	11/02/05	4.22	0.00	18.68	3,840[m]	444[g]	<490	--	70.8	2.94	244	792	<4	--	--	--			--
22.90	02/21/06	4.33	0.00	18.57	19,800	504[g]	<538	--	218	10.0	805	2,400	<20	187	**5.59**	--			--
	05/11/06	4.07	0.00	18.83	10,200	1,170[p]	<495	--	125	6.90	348	1,222	<10	91.3	**2.87**	--			--
	08/29/06	--	--	--	Not accessible - blocked by heavy equipment														--
	03/06/07	--	--	--	Not accessible - blocked by heavy equipment														--
	06/13/07	4.14	0.00	18.76	9,180	<248	<495	--	118	1.90	194	1,290	<1	166	2.14	--			--
	09/12/07	4.36	0.00	18.54	3,870	<240	<481	--	46.3	1.15	64.0	645	<1	58.0	**4.64**	--			--
	12/17/07	3.43	0.00	19.47	Well compromised, unable to sample														--
	03/18/08	3.90	0.00	19.00	1,060	<236	<472	<1	367	11.4	<0.5	3.11	17.3	<1	**14.3**	**8.29**			--
	06/03/08	4.10	0.00	18.80	536	<236	<472	<236	8.06	<0.5	1.41	8.92	<1	5.27	**3.23**	<1			--
	08/06/08	4.60	0.00	18.30	422	<236	<472	<236	7.2	<0.5	0.91	5.63	<1	15.1	**17.6**	<1			--
	11/03/08	4.25	0.00	18.65	1,460	<391	<781	<391	9.49	<0.500	6.75	8.45	<1.00	15.9	**2.86**	<1.00			--
	11/18/08	Decommissioned																	--
MW-91	11/03/05	4.13	0.00	19.00	9,390	2,230[g]	<472	--	56.2	6.45	319	414	<10	--	--	--			--
23.13	02/24/06	4.51	0.00	18.62	6,080	487[g]	<515	--	21.0	2.67	177	430	<1	188	2.39	--			--
	05/11/06	4.33	0.00	18.80	5,900	931[p]	<485	--	14.9	14.5	106	162.7	<4	171	1.49	--			--
	08/29/06	--	--	--	Not accessible - blocked by heavy equipment														--
	03/06/07	--	--	--	Not accessible - blocked by heavy equipment														--
	06/13/07	4.36	0.00	18.77	1,180	<236	<472	--	<0.5	0.770	0.580	<3	<1	91.6	1.80	--			--
	09/12/07	4.60	0.00	18.53	160	<240	<481	--	<0.5	<0.5	<0.500	<3	<1	13.2	1.05	--			--
	12/19/07	3.48	0.00	19.65	316	<236	<472	--	<1	<1	<1	<3	<1	4.2	**4.13**	--			--
	03/18/08	4.00	0.00	19.13	646	<236	<472	<1	253	0.98	<0.5	5.16	<3	<1	**12.0**	**3.32**			--
	06/03/08	4.33	0.00	18.80	359	<236	<472	<236	2.42	<0.5	<0.5	<3	<1	<5	**3.00**	<1			--
	08/06/08	4.85	0.00	18.28	163	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	21.9	**3.04**	<1			--
	11/03/08	4.39	0.00	18.74	252	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**101.00**	<1.00			--
	11/18/08	Decommissioned																	--
MW-92	11/02/05	10.28	0.00	18.70	12,300	338[g]	<472	--	925	83.4	756	940	<20	--	--	--			--
28.98	02/22/06	10.13	0.00	18.85	4,360	<248	<495	--	261	8.60	111	127	<5	36.0	**3.58**	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	05/10/06	10.22	0.00	18.76	5,580	<240	<481	--	458	11.2	122	97.6	<20	38.4	**2.69**	--			--
	08/31/06	11.34	0.00	17.64	3,770	<243	<485	--	770	25.0	197	103	<1	55.1	**3.36**	--			--
MW-92	12/13/06	10.12	0.00	18.86	1,190	<238	<476	--	23.2	0.730	23.6	14.7	<1	5.05	<1	--			--
contd.	03/08/07	9.86	0.00	19.12	525	<250	<500	--	7.68	<0.5	8.90	4.70	<1	<5	<1	--			--
	06/13/07	10.20	0.00	18.78	662	<238	<476	--	30.2	<0.5	8.98	<3	<1	<5	<1	--			--
	09/13/07	10.30	0.00	18.68	1,150	<238	<476	--	39.9	1.19	35.1	<3	<1	5.18	<1	--			--
	12/18/07	9.26	0.00	19.72	1,410	<238	<476	--	79.0	1.20	14.0	3.10	<1	4.30	**3.64**	--			--
	03/17/08	10.02	0.00	18.96	1,490	<236	<472	<1	355	51.6	1.14	22.6	5.67	<1	<5	2.41			--
	06/03/08	10.21	0.00	18.77	682	<236	<472	244	4.71	<0.5	5.6	<3	<1	<5	1.48	<1			--
	08/05/08	10.75	0.00	18.23	546	<238	<476	<238	5.77	0.54	2.48	<3	<1	<5	**7.64**	<1			--
	11/03/08	10.47	0.00	18.51	1,030	<238	<476	375	56.50	4.87	6.400	6.06	<1.00	6.8	**2.59**	<1.00			--
	11/18/08	Decommissioned																	--
MW-93	11/02/05	7.06	0.00	18.68	79.3	<248	<495	--	0.370	0.570	0.720	2.35	<2	--	--	--			--
25.74	02/21/06	7.25	0.00	18.49	1,200	3,580[p]	<526	--	2.38	0.780	3.25	3.18	<1	1.71	1.16	--			--
	05/10/06	6.90	0.00	18.84	1,200[j]	1,540	<472	--	<0.5	0.790	2.04	1.70	<1	2.04	<1	--			--
	08/31/06	8.15	0.00	17.59	204	<243	<485	--	<0.5	0.610	1.55	<3	<1	<5	**2.98**	--			--
	12/13/06	7.54	0.00	18.20	1,120	<253	<505	--	<0.5	0.670	2.54	3.18	<1	<5	1.25	--			--
	03/07/07	6.99	0.00	18.75	1,010	3,490	<500	--	11.60	0.760	2.91	3.59	<1	<5	<1	--			--
	06/13/07	6.94	0.00	18.80	1,330	822[g, p]	1,250	--	<0.5	0.680	1.77	3.01	<1	5.40	1.66	--			--
	09/13/07	7.26	0.00	18.48	303	267	616	--	<0.5	<0.5	1.37	<3	<1	5.43	1.05	--			--
	12/17/07	--	--	--	Unable to locate on site map														--
	03/17/08	6.79	0.00	18.95	1,200	541	1,660	<1	464	<0.5	<0.5	0.96	<3	<1	<5	<1			--
	06/03/08	6.63	0.00	19.11	1,320	429	<472	613	6.56	<0.5	3.62	1.44	<1	<5	<1	<1			--
	08/06/08	7.50	0.00	18.24	847	1,140	1,270	946	<0.5	0.51	1.44	<3	<1	<5	**2.69**	<1			--
	11/03/08	5.87	0.00	19.87	1,110	564	842	535	<0.500	<0.500	1.43	<3.00	<1.00	<5.00	**2.95**	<1.00			--
	11/18/08	Decommissioned																	--
MW-94	11/02/05	3.21	0.00	18.69	393	277[g]	<472	--	1.74	0.750	30.2	4.62	<2	--	--	--			--
21.90	02/24/06	3.38	0.00	18.52	172	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	**4.81**	--			--
	05/11/06	3.10	0.00	18.80	236	360	<500	--	<0.5	<0.5	<0.5	<3	<1	1.60	**10.4**	--			--
	08/31/06	4.30	0.00	17.60	<100	<250	<500	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/13/06	3.76	0.00	18.14	159	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	**4.24**	--			--
	03/07/07	3.16	0.00	18.74	1,720	<248	<495	--	1.88	<0.5	33.6	<3	<1	93.8	<1	--			--
	06/13/07	3.21	0.00	18.69	2,340	<250	<500	--	<0.5	<0.5	0.710	<3	<1	96.7	2.13	--			--
	09/12/07	3.48	0.00	18.42	521	<240	<481	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/19/07	2.54	0.00	19.36	285	<236	<472	--	1,010	<1.00	<1	<1.00	<3	<1	<1	**12.90**			--
	03/17/08	2.89		19.01	2,490	255	<472	<1	1,010	1.33	<0.5	31.5	<3	<1	**46.6**	**2.65**			--
	06/02/08	5.15	0.00	16.75	Gauged but not sampled														--
	08/06/08	3.68	0.00	18.22	637	<236	<472	294	0.58	<0.5	0.80	<3	<1	<5	**3.80**	<1			--
	11/03/08	3.23	0.00	18.67	Well under water, unable to sample.														--
	11/18/08	Decommissioned																	--
MW-95	11/02/05	13.50	0.00	18.49	545	<236	<472	--	1.06	0.910	1.18	9.87	<1	--	--	--			--
31.99	02/23/06	13.00	0.00	18.99	278	240[g]	<481	--	9.67	5.57	7.88	19.20	<1	3.31	<1	<1			--
	05/09/06	13.35	0.00	18.64	326	<255	<510	--	2.91	0.730	1.40	15.78	<1	5.56	<1	<1			--
	08/30/06	13.82	0.00	18.17	94.3	<248	<495	--	--[u]	--[u]	--[u]	--[u]	--[u]	--[u]	<1	<1			--
	12/12/06	12.98	0.00	19.01	1,330	<243	<485	--	52.9	14.5	32.9	119	<1	10.6	<1	<1			--
	03/07/07	12.87	0.00	19.12	60.2	<250	<500	--	3.87	<0.5	1.31	10.5	<1	<5	<1	<1			--
	06/14/07	13.10	0.00	18.89	215	<236	<472	--	4.12	<0.5	1.60	41.7	<1	<5	<1	<1			--
	09/13/07	13.18	0.00	18.81	<50.0	<238	<476	--	<0.5	<0.5	<0.500	<3	<1	<5	<1	<1			--
	12/18/07	12.45	0.00	19.54	<50	<238	<476	--	<1	<1	<1	<3	<1	<1	<1	<1			--
	03/17/08	12.69	0.00	19.30	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/03/08	8.78	0.00	23.21	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/04/08	14.02	0.00	17.97	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	11/04/08	13.75	0.00	18.24	<50.0	<248	<495	<248	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	02/24/09	13.50	0.00	18.49	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	14.01	0.00	17.98	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	08/16/09	15.67	0.00	16.32	<50	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/15/09	13.62	0.00	18.37	110	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<1	<1			--
	02/21/10	13.01	0.00	18.98	<50.0	202	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.58	<0.10			--
	05/23/10	13.18	0.00	18.81	<50.0	80.0	<392	83.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.47	<0.10			--
	08/16/10	13.45	0.00	18.54	56.5	<78.4	<392	<78.4	<1.0	<1.0	<1.0	4.5	--	<1.0	0.28	<0.10			--
	11/15/10	12.85	0.00	19.14	85.7	<77.7	<388	97.0	<1.0	<1.0	<1.0	23.7	--	<1.0	<10.0	<10.0			--
	02/27/11	Decomissioned																	--
MW-96	11/02/05	6.28	0.00	18.70	3,230	501[g]	<472	--	172	75.1	65.0	714	<4	--	--	--			--
24.98	02/21/06	6.43	0.02	18.57	LPH Present														--
	05/11/06	6.20	0.01	18.78	6,190	5,570	<971	--	392	136	152	1,057	<10	90.8	1.20	1.20			--
	08/29/06	7.48	0.23	17.04	LPH Present														--
	12/11/06	6.76	0.30	18.22	LPH Present														--
	03/06/07	--	--	--	Not accessible - construction materials														--
	06/13/07	--	--	--	Not accessible														--
	09/12/07	--	--	--	Not accessible														--
	12/17/07	--	--	--	Not accessible														--
	03/17/08	--	--	--	Buried with construction material														--
	06/03/08	--	--	--	Well under construction debris														--
	08/06/08	--	--	--	Well under construction debris.														--
	11/04/08	--	--	--	Well under construction debris.														--
	11/18/08	Decommissioned																	--
MW-97	11/02/05	11.70	0.00	18.65	17,600	441[g]	<490	--	121	38.2	1,010	1,860	<1	--	--	--			--
30.35	02/22/06	11.17	0.00	19.18	39,900	811[g]	<500	--	350	32.8	1,840	3,730	<40	735	**21.6**	--			--
	05/09/06	11.60	0.00	18.75	30,300[j]	686	<498	--	264	65.5	1,740	2,660	<50	768	**12.0**	--			--
	08/30/06	12.17	0.00	18.18	6,580	456[g]	<485	--	82.4	6.40	749	401	<1	516	**7.48**	--			--
	09/25/06	Decommissioned during construction activities																	--
MW-98	11/02/05	11.85	0.00	18.62	25,800	<250	<500	--	1,880	4,080	680	3,760	<1	--	--	--			--
30.47	02/22/06	11.24	0.00	19.23	173,000	360[g]	<556	--	14,000	30,500	4,090	22,200	<400	888	**49.9**	--			--
	05/09/06	11.44	0.00	19.03	186,000	651[p]	<472	--	12,700	29,000	4,800	22,560	<1,000	11,800	**50.0**	--			--
	06/12/06	Decommissioned																	--
MW-99	11/02/05	10.57	0.00	18.77	910	<243	<485	--	1.84	0.850	11.1	73.8	<1	--	--	--			--
29.34	02/22/06	10.23	0.00	19.11	4,910	<240	<481	--	28.4	<2.5	203	811	<5	80.8	**14.0**	--			--
	05/09/06	10.43	0.00	18.91	3,370	<248	<495	--	14.0	<5	82.5	521.3	<10	59.7	**6.57**	--			--
	06/12/06	Decommissioned																	--
MW-101	07/25/05	9.45	0.00	18.65	6,960	432[b]	<500	--	39.1	61.4	88.0	429	<5	19.7	--	--			--
28.10	11/04/05	9.65	0.00	18.45	2,960	<236	<472	--	53.8	44.8	72.1	464	<5	--	--	--			--
	02/23/06	9.57	0.00	18.53	4,890	<250	<500	--	99.4	16.9	150	768	<4	27.5	<1	--			--
	05/09/06	9.13	0.00	18.97	1,120	<238	<476	--	14.2	1.62	27.1	136.7	<2	6.06	<1	--			--
	06/13/06	Decommissioned																	--
MW-102	07/25/05	--	--	--	Well could not be located														--
23.86	11/03/05	5.10	0.00	18.76	10,200	1,730[g]	<472	--	471	12.0	492	1,490	<20	--	--	--			--
	02/24/06	5.29	0.00	18.57	11,400	294[g]	<532	--	471	3.96	473	1,160	<4	90.4	**4.54**	--			--
	05/11/06	5.01	0.00	18.85	2,810[j]	370[p]	<490	--	97.6	<2	35.8	177.6	<4	22.9	1.71	--			--
	08/31/06	6.29	0.00	17.57	2,430	<236	<472	--	212	<2.5	101	208	<5	29.5	**2.71**	--			--
	12/11/06	5.70	0.00	18.16	13,600	243	<485	--	608	30.6	609	1,190	<1	118	**6.08**	--			--
	03/08/07	5.16	0.00	18.70	10,000	257	<500	--	366	25.8	448	1,240	<20	183	**3.58**	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	06/13/07	5.12	0.00	18.74	8,080	275 [g]	<476	--	320	2.26	182	894	<1	139	**4.54**	--			--
	09/12/07	5.41	0.00	18.45	8,800	246	<481	--	428	2.38	426	792	<1	90.2	**30.8**	--			--
MW-102	12/19/07	4.56	0.00	19.30	13,500	289	<472	--	400	160	570	1,320	<1	140	**14.9**	--			--
contd.	03/18/08	4.92	0.00	18.94	9,840	347	<472	1.75	2770	291	1.5	371	746	<1	**99.4**	**24.2**			--
	06/03/08	5.15	0.00	18.71	660	359	<472	2,170	208	<0.5	78.5	239	<1	85.9	**29.00**	<1			--
	08/06/08	5.63	0.00	18.23	3,310	276	<472	1,240	138	0.79	43.2	69	<1	54.2	**54.10**	1.14			--
	11/04/08	4.30	0.00	19.56	8,720	497	<472	2,920	232	1.23	366	248.0	<1.00	108	**19.20**	1.36			--
	11/18/08	Decommissioned																	--
MW-103	07/26/05	8.61	0.00	--	<50	<250	<500	--	<0.2	<0.2	<0.2	<0.5	<1	<0.5	--	--			--
27.22	11/07/05	8.82	0.00	18.40	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	--	--	--			--
	02/24/06	8.66	0.00	18.56	<50	<250	<500	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	7.84	0.00	19.38	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	6.01	0.00	21.21	<80	<248	<495	--	--[u]	--[u]	--[u]	--[u]	--[u]	--[u]	<1	--			--
	12/13/06	9.00	0.00	18.22	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/06/07	Decommissioned																	--
MW-105	07/26/05	10.88	0.00	--	62,000	821 [b]	<500	--	1,970	7,460	2,640	12,750	<1	723	--	--			--
29.61	11/02/05	10.94	0.00	18.67	66,100	495 [g]	<538	--	1,370	6,430	2,360	12,300	<1	--	--	--			--
	02/22/06	10.59	0.00	19.02	50,000	332[g]	<495	--	1,200	2,810	1,990	8,540	<50 [q,r]	498	**5.13**	--			--
	05/09/06	10.69	0.00	18.92	62,300	867[p]	<472	--	1,200	5,070	2,210	10,550	<100	440	**9.54**	--			--
	06/12/06	Decommissioned																	--
MW-200	11/07/05	11.22	0.00	18.47	533	<250	<500	--	4.39	1.21	8.65	22.1	5.03	--	--	--			--
29.69	02/22/06	11.15	0.00	18.54	2,560	270[g]	<490	--	38.4	2.38	57.3	70.9	1.84	60.7	1.60	--			--
	05/10/06	11.29	0.00	18.40	1,440[j]	<245	<490	--	25.1	0.620	35.5	12.82	1.57	45.2	<1	--			--
	08/29/06	11.95	0.00	17.74	471[j]	<236	<472	--	7.10	2.00	31.3	28.2	1.11	53.0	<1	--			--
	12/12/06	11.29	0.00	18.40	1,630	<245	<490	--	7.12	1.30	20.0	27.9	1.90	25.0	1.05	--			--
	03/06/07	11.05	0.00	18.64	<50	<260	<521	--	<5	<5	<5.00	<3	1.12	<5	1.73	--			--
	06/14/07	11.08	0.00	18.61	262	<243	<485	--	3.63	<0.5	1.61	<3	<1	<5	1.87	--			--
	09/14/07	11.25	0.00	18.44	<50	<245	<490	--	<0.5	<0.5	<0.500	<3	<1	<5	<1	--			--
	12/17/07	9.60	0.00	20.09	327	<240	<481	--	1.5	<1	18.00	10	<1	--	**9.24**	--			--
	03/17/08	--	--	--	Well compromised- buried by machinery														--
	06/01/08	8.13	0.00	21.56	2,390	270	<481	1,220	27.5	1.07	55.20	16.6	<1	92.8	2.46	<1			--
	08/10/08	12.10	0.00	17.59	1,140	<238	<476	616	10.4	0.85	21.20	6.7	<1	45.3	**7.41**	<1			--
	11/02/08	--	--	--	North lane of Mercer flooded. Unable to sample.														--
	02/22/09	11.45	0.00	8.25	4,570	5,550	<481	1,820	17.1	2.12	58.0	45.4	--	134	1.82	<1.00			--
	05/17/09	9.85	0.00	19.84	7,160	396	<476	1,820	71.4	3.72	224.0	363	<1.00	273	**10.4**	<1.00			--
	08/16/09	14.22	0.00	15.47	1,800	330	<480	810	<0.50	<0.50	12	11	<1.0	22	**5.8**	<5.0			--
	11/15/09	11.35	0.00	18.34	2,300	890[y]	<490	1,000[y]	8.3	<0.50	30	17	<1.0	59	**8**	<1			--
	02/21/10	11.02	0.00	18.67	8,170	3,160	1,300	5,000	116	2	445	151	--	510	**4.2**	0.59			--
	05/23/10	--	--	--	North lane of Mercer flooded. Unable to sample.														--
	08/15/10	11.36	0.00	18.33	4,290	608	<388	1,820	89.7	1.0	191	1.0	--	388	**6.2**	0.70			--
	11/15/10	--	--	--	North lane of Mercer flooded. Unable to sample.														--
	02/27/11	Decomissioned																	--
MW-201	11/07/05	9.81	0.00	19.51	56.8	974[f]	4,180	--	<0.5	<0.5	0.990	9.49	<1	--	--	--			--
29.32	02/22/06	10.76	0.00	18.56	199	464[n]	1,460	--	27.6	14.2	<0.500	<3	<1	<1	**9.78**	--			--
	05/10/06	11.12	0.00	18.20	221	<250	<500	--	27.1	14.6	<0.500	<3	<1	<1	**3.01**	--			--
	08/29/06	11.64	0.00	17.68	114	<248	<495	--	19.1	10.6	<0.500	<3	<1	<5	2.16	--			--
	12/12/06	11.65	0.00	17.67	223	<245	<490	--	16.3	1.79	<0.500	<3	<1	<5	**3.88**	--			--
	03/06/07	11.65	0.00	17.67	174	<260	<521	--	25.6	1.46	<5.00	<3	<1	<5	**2.54**	--			--
	06/14/07	10.89	0.00	18.43	206	<245	<490	--	20.4	0.870	<0.500	<3	<1	<5	<1	--			--
	09/14/07	11.16	0.00	18.16	125	<245	<490	--	21.4	0.750	<0.500	<3	<1	<5	1.87	--			--
	12/17/07	--	--	--	Unable to sample- well under water														--
	03/18/08	10.63	0.00	18.69	281	<236	<472	1.28	<236	11	0.58	<0.5	<3	<1	<5	**6.72**			--
	06/01/08	10.90	0.00	18.42	196	<238	<476	<238	18.3	7.40	<0.5	<3	<1	<5	**19.80**	2.29			--
	08/10/08	11.90	0.00	17.42	125	<243	<485	<243	17.7	1.14	<0.5	<3	<1	<5	**13.30**	**3.73**			--
	11/02/08	--	--	--	North lane of Mercer flooded. Unable to sample.														--
	02/22/09	10.90	0.00	4.20	157	<238	6,530	<238	11.5	<0.500	<0.500	<3.00	--	<5.00	**8.43**	<1.00			--
	05/17/09	12.10	0.00	17.22	173	<248	<495	<248	12.4	<0.500	<0.500	<3.00	<1.00	<5.00	**11.8**	1.28			--
	08/16/09	13.87	0.00	15.45	230	570	3,300	<240	2.7	<0.50	<0.50	<2.0	<1.0	<5.0	**95**	<5.0			--
	11/15/09	10.88	0.00	18.44	73	<240	<480	<240	12[H]	<0.50[H]	<0.50[H]	<2.0[H]	<1.0[H]	<5.0[H]	**14**	2.30			--
	02/21/10	10.56	0.00	18.76	<50.0	655	1,970	<79.2	3.8	<1.0	<1.0	5.3	--	<1.0	**9.1**	<0.10			--
	05/23/10	10.64	0.00	18.68	56.8	639	1670	353	9.7	<1.0	<1.0	<3.0	--	<1.0	**5.9**	<0.10			--
	08/15/10	10.98	0.00	18.34	<50.0	113	451	<79.2	8.7	<1.0	<1.0	<3.0	--	<1.0	**4.4**	<0.10			--
	11/15/10	--	--	--	North lane of Mercer flooded. Unable to sample.														--
	02/27/11	Decomissioned																	--
MW-202	11/04/05	12.77	0.00	17.78	247	<240	<481	--	0.630	0.880	<0.5	1.80	<1	--	--	--			--
30.55	02/22/06	12.35	0.00	18.20	<50	<253	<505	--	<0.5	<0.5	<0.5	<3	<1 [q,r]	<1	1.71	--			--
	05/10/06	12.43	0.00	18.12	<50	<250	<500	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/29/06	12.76	0.00	17.79	<80	<253	<505	--	<0.5	<0.5	<0.5	<3	<1	<5	**9.54**	--			--
	12/12/06	12.24	0.00	18.31	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/08/07	12.23	0.00	18.32	<50	<253	<505	--	<0.5	<0.5	<0.5	<3	<1	<5	1.04	--			--
	06/14/07	12.44	0.00	18.11	<50	<238	<476	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	09/14/07	12.54	0.00	18.01	<50	<250	<500	--	<0.5	<0.5	<0.5	<3	<1	<5	1.43	--			--
	12/19/07	12.12	0.00	18.43	<50	<240	<481	--	<1	<1	<1.00	<3	<1	<1	<1	--			--
	03/18/08	12.42	0.00	18.13	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/02/08	12.47	0.00	18.08	<50	<240	<481	<240	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	12.65	0.00	17.90	<50	<248	<495	<248	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	11/05/08	12.52	0.00	18.03	<50.0	<243	<485	<243	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	02/25/09	12.80	0.00	17.75	<50.0	<243	<485	<243	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	13.63	0.00	16.92	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**12.90**	<1.00			--
	08/16/09	15.32	0.00	15.23	<50	<240	<470	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**7.50**	<5.0			--
	11/15/09	12.54	0.00	18.01	<50	<240	<470	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	2.3	<1			--
	02/21/10	12.23	0.00	18.32	<50.0	82.8	<381	<76.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.1	<0.10			--
	05/23/10	12.33	0.00	18.22	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	.91	<0.10			--
	08/18/10	12.60	0.00	17.95	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.8	<0.10			--
	11/16/10	11.68	0.00	18.87	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
		Abandoned or Damaged - To be decomissioned at a later date.																	--
MW-203	11/08/05	8.24	0.00	18.39	<50	<238	<476	--	1.14	<0.5	0.780	<3	<1	--	--	--			--
26.63	02/24/06	8.05	0.00	18.58	<50	<260	<521	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	05/09/06	6.99	0.00	19.64	<50	<248	<495	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			--
	08/30/06	8.30	0.00	18.33	<80	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/13/06	8.46	0.00	18.17	<50	<258	<515	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/07/07	7.67	0.00	18.96	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	06/13/07	--	--	--	Not accessible														--
	09/12/07	--	--	--	Not accessible														--
	12/19/07	7.49	0.00	19.14	<50	<236	<472	--	<1	<1	<1.00	<3	<1	<1	1.69	--			--
	03/18/08	6.95	0.00	19.68	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/02/08	6.24	0.00	20.39	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	6.94	0.00	19.69	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	1.66	<1			--
25.94	11/04/08	7.05	0.00	18.89	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**272.00**	<1.00			--
	02/25/09	5.54	0.00	20.40	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	**3.21**	<1.00			--
	05/17/09	7.00	0.00	19.63	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**4.03**	<1.00			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	08/17/09	7.95	0.00	17.99	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/16/09	7.92	0.00	18.02	<50	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**4.3**	<1			--
MW-203	02/22/10	7.44	0.00	18.50	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.16	<0.10			--
contd.	05/24/10	6.34	0.00	19.60	<50.0	<76.9	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.9	<0.10			--
	08/18/10	7.12	0.00	18.82	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	.84	<0.10			--
	11/15/10	7.84	0.00	18.10	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	02/27/11	--	--	--	Well compromised, unable to sample														--
	06/14/11	Not sampled																	--
MW-204	11/03/05	10.05	0.00	18.08	725	<236	<472	--	34.5	0.550	23.3	13.6	<2	--	--	--			--
28.13	02/21/06	10.09	0.00	18.04	3,120	<287[q]	<575	--	388	<2.5	221	87.0	<5	42.2	1.63	--			--
	05/09/06	9.40	0.00	18.73	2,990[j]	<236[p]	<472	--	343	9.05	144	84.7	<5	50.6	<1	--			--
	06/13/06	Decommissioned																	--
MW-205	11/02/05	9.34	0.00	18.74	735	<236	<472	--	0.750	<0.5	23.2	20.6	<1	--	--	--			--
28.08	02/22/06	9.22	0.00	18.86	3,950	<245	<490	--	7.60	<2.50	307	116	<5 [q,r]	82.0	**3.64**	--			--
	05/10/06	9.19	0.00	18.89	1,530	<236	<472	--	2.68	<1.00	86.8	30.04	<2	38.5	1.31	--			--
	06/13/06	Decommissioned																	--
MW-206	11/03/05	12.60	0.00	18.94	93.4	<236	<472	--	2.23	<0.5	2.86	2.84	<2	--	--	--			--
31.54	02/23/06	12.40	0.00	19.14	<50	279[p]	<490	--	7.57	0.560	<0.5	<3	<1	<1	1.24	--			--
	05/10/06	12.75	0.00	18.79	<50	<263	<526	--	8.54	<0.5	<0.5	<3	<1	<1	1.04	--			--
	08/29/06	13.25	0.00	18.29	<80	<266	<532	--	1.63	<0.5	<0.5	<3	<1	<5	1.84	--			--
	06/13/07	10.36	0.00	21.18	Lack of water to sample														--
	09/14/07	10.67	0.00	20.87	Lack of water to sample														--
	12/17/07	9.50	0.00	22.04	<50	293	1,020			<1	<1	<1	<2	<1	--	**6.16**			--
	03/17/08	9.76	0.00	21.78	<50	331	1,080	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	**852.00**			--
	06/02/08	10.91	0.00	20.63	Insufficient water to sample														--
	08/04/08	--	--	--	Insufficient water to sample.														--
	11/03/08	9.03	0.00	22.51	<50	<243	564	<243	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**14.80**	1.65			--
	02/23/09	--	--	--	Well dry														--
	05/17/09	10.80	0.00	19.74	Well dry														--
	08/16/09	11.48	0.00	20.06	Well dry														--
	11/15/09	9.60	0.00	21.94	<50	1,400[y]	10,000	330	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	**330**	<1			--
	02/21/10	9.32	0.00	22.22	<50.0	--	--	--	<1.0	<1.0	<1.0	<1.0	--	<1.0	--	<0.10			--
	05/23/10	9.48	0.00	22.06	<50.0	--	--	--	<1.0	<1.0	<1.0	<1.0	--	<1.0	**7810**	<0.10			--
	08/15/10	10.88	0.00	20.66	Well dry														--
	11/14/10	6.85	0.00	24.69	<50.0	5,990	49,100	546	<1.0	<1.0	<1.0	<3.0	--	1.0	**58.1**	<10.0			--
	02/27/11	Decomissioned																	--
MW-207	11/04/05	13.79	0.00	16.86	<50	<281	<562	--	2.82	<0.5	<0.5	<3	<1	--	--	--			--
30.65	02/23/06	13.64	0.00	17.01	<50	<248	<495	--	3.52	2.05	<0.5	<3	<1	<1	<1	--			--
	05/10/06	13.81	0.00	16.84	<50	<250	<500	--	1.85	1.86	<0.5	<3	<1	<1	<1	--			--
	08/29/06	14.40	0.00	16.25	<80	<253	<505	--	<0.5	<0.5	<0.5	<3	<1	<5	1.22	--			--
	12/12/06	14.07	0.00	16.58	<50	<248	<495	--	1.21	<0.5	<0.5	<3	<1	<5	<1	--			--
	03/07/07	13.88	0.00	16.77	<50	<263	<526	--	0.960	<0.5	<0.5	<3	<1	<5	<1	--			--
	06/15/07	13.84	0.00	16.81	<50	<238	<476 [r]	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	09/14/07	13.88	0.00	16.77	<50	<245	<490	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			--
	12/19/07	13.70	0.00	16.95	<50	<236	<472	--	<1	<1	<1	<3	<1	<1	<1	--			--
	03/18/08	14.28	0.00	16.37	<50	<236	<472	<1	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1			--
	06/02/08	14.52	0.00	16.13	<50	<238	<476	<238	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	14.66	0.00	15.99	<50	<238	<476	<238	<0.5	<0.5	<0.5	<3	<1	<5	1.58	<1			--
	11/05/08	13.85	0.00	16.80	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	1.02	<1.00			--
	02/23/09	--	--	--	Inaccessible														--
	05/17/09	--	--	--	Inaccessible														--
	08/17/09	--	--	--	Inaccessible														--
	11/15/09	--	--	--	Inaccessible														--
	02/21/10	13.81	0.00	16.84	<50.0	681	536	<92.0	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.20	<0.10			--
	05/24/10	--	--	--	Inaccessible														--
	08/15/10	Well Decommissioned																	--
MW-208	11/07/05	11.44	0.00	18.84	1,980	<250	<500	--	20.2	4.40	35.2	143	<1	--	--	--			--
30.28	02/22/06	11.11	0.00	19.17	11,900	<243	<485	--	131	35.4	450	1,610	<20	96.8	2.17	--			--
	05/10/06	11.52	0.00	18.76	13,400	<236	<472	--	185	29.2	785	2,358	<20	184	1.80	--			--
	08/30/06	12.10	0.00	18.18	21,800	276[g]	<495	--	213	93.9	1,590	5,960	<1	521	**2.88**	--			--
	12/12/06	11.09	0.00	19.19	21,800	542	<490	--	78.6	18.2	949	3,780	<20	315	1.28	--			--
	03/08/07	11.02	0.00	19.26	34,000	454	<500	--	212	25.2	1,660	5,360	40.0	838	<1	--			--
	06/14/07	11.22	0.00	19.06	57,400	591 [g]	<472	--	241	52.6	3,520	12,900	<20	2,110	1.74	--			--
	09/14/07	11.40	0.00	18.88	63,000	1,120	<490	--	93.7	44.2	2,360	8,480	<1	1,080	<1	--			--
	12/17/07	10.63	0.00	19.65	8,770	<238	<476	--	30.0	1.4	470	1,310	<1	--	2.97	--			--
	03/18/08	10.91	0.00	19.37	23,200	512	<472	<1	6,180	35.2	5.58	756	2,280	<1	**210**	**217.00**			--
	06/01/08	12.22	0.00	18.06	17,200	310	<472	7,460	29.2	10.3	856 [x]	2200 [x]	<1	256 [x]	**7.91**	<1			--
	08/10/08	12.30	0.00	17.98	40,600	115	<485	12,600	52.1	31	1,490	4,920	<10	414	**6.23**	1.56			--
	11/02/08	11.80	0.00	18.48	32,700	988	<490	12,500	10.9	23.5	947	3,150	<1.00	21.4	1.80	1.41			--
	02/23/09	--	--	--	Inaccessible														--
	05/17/09	12.15	0.00	18.13	18,000	652	<476	7,330	4.72	6.26	700	2,100	<1.00	274	**3.84**	<1.00			--
	08/16/09	13.92	0.00	18.13	22,000	<240	<480	11,000	ed due to analyst error.						<5.0	<5.0			--
	11/15/09	11.70	0.00	18.58	28,000	5,600[y]	<470	10,000[y]	8.9	5.6	630[H]	2,400[H]	<1.0	280[H]	**4**	<1			--
	02/21/10	11.05	0.00	19.23	23,700	1,250	472	8,870	6.4	<5.0	679	1,980	--	222	**6.1**	0.16			--
	05/23/10	11.20	0.00	19.08	18,500	1,200	<385	6,550	7.0	2.1	341	1750	--	173	**42.7**	.29			--
	08/15/10	11.44	0.00	18.84	14,800	699	<392	5,760	3.4	<1.0	<1.0	<3.0	--	<1.0	**3.90**	0.50			--
	11/14/10	10.75	0.00	19.53	7,440	515	<388	3,870	2.4	<1.0	122	32.1	--	53.6	<10.0	<10.0			--
	02/27/11	Decomissioned																	--
	11/20/12	6.89	0.00	21.11	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
	11/06/13	10.43	0.00	Note Z	281	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
28.05	07/29/14	14.81	0.00	13.24	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
27.88	12/08/14	11.40	0.00	16.48	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	9.91	0.00	17.97	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	10.43	0.00	17.45	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/10/15	10.59	0.00	17.29	<100	--	--	--	2.1	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	9.60	0.00	18.28	<100	--	--	--	2.9	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled.																	--
	12/15/16	9.80	0.00	18.08	<100	--	--	--	1.9	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MW-209	11/05/08	9.22	0.00	18.66	<50.0	<238	<476	<238	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
27.00	02/23/09	--	--	--	Inaccessible														--
	05/17/09	--	--	--	Inaccessible														--
	08/17/09	--	--	--	Inaccessible														--
	11/17/09	--	--	--	Inaccessible														--
	02/22/10	9.30	0.00	17.70	<50.0	251	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.3	<0.10			--
	05/24/10	8.04	0.00	18.96	<50.0	192	<396	137	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.1	<0.10			--
	08/18/10	8.86	0.00	18.14	<50.0	86.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	1.3	<0.10			--
	11/16/10	9.45	0.00	17.55	<50.0	85.1	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	03/01/11	9.26	0.00	17.74	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/15/11	8.10	0.00	18.90	<50.0	<82.5	<412	--	<1.0	<1.0	<1.0	<3.0	--	--	0.19	<0.10			--
	08/30/11	9.09	0.00	17.91	<50.0	<80.0	<400	--	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.35	0.17			--
	12/06/11	9.50	0.00	17.50	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	<10.0	0.12	0.18			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	02/15/12	9.70	0.00	17.30	<50.0	103	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	2.1	<10.0	<10.0			--
	05/16/12	8.08	0.00	18.92	<50.0	<79.2	<396	<79.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
MW-209	08/15/12	8.80	0.00	18.20	<50.0	117	<426	85.6	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
contd.	11/21/12	9.00	0.00	18.00	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			
	11/06/13	9.66	0.00	17.34	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	10.36	0.00	16.64	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
26.88	12/09/14	9.61	0.00	17.27	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	8.90	0.00	17.98	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/23/15	8.98	0.00	17.90	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	9.75	0.00	17.13	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	8.77	0.00	18.11	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled.																	--
	12/15/16	9.60	0.00	17.28	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/04/19	8.10	0.00	18.78	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	<0.48	2.4J	<2.0	<0.24	<0.22	0.60
	12/19/19	9.65	0.00	17.23	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	--	<2.0	<2.0	<0.24	<0.22	0.24
MW-210	11/05/08	8.60	0.00	18.10	<50.0	<243	<485	<243	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
26.70	02/25/09	5.90	0.00	20.80	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	8.61	0.00	18.09	<50.0	<245	<490	<245	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
	08/17/09	9.60	0.00	17.10	<50	<240	<280	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/17/09	8.15	0.00	18.55	<50	<240	<490	<240	<0.50	<0.50	<0.50[ff]	<2.0	<1.0	<5.0	1.3	<1			--
	02/22/10	8.73	0.00	17.97	<50.0	154	<381	<76.2	<1.0	<1.0	<1.0	5.5	--	<1.0	0.31	0.21			--
	05/24/10	7.65	0.00	19.05	<50.0	190	<385	150	<1.0	<1.0	<1.0	<3.0	--	<1.0	.45	<0.10			--
	08/18/10	8.54	0.00	18.16	<50.0	<78.4	<392	<78.4	<1.0	<1.0	<1.0	<3.0	--	<1.0	.36	<0.10			--
	11/16/10	8.81	0.00	17.89	<50.0	85.1	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	03/01/11	8.77	0.00	17.93	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/15/11	7.73	0.00	18.97	<50.0	<86.0	<430	--	<1.0	<1.0	<1.0	<3.0	--	--	0.27	<0.10			--
	08/30/11	8.67	0.00	18.03	<50.0	<87.0	<435	<87.0	<1.0	<1.0	<1.0	<3.0	--	<1.0	<0.10	<0.10			--
	12/06/11	8.95	0.00	17.75	<50.0	<86.2	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	<1.0	<0.10	0.22			--
	02/15/12	9.20	0.00	17.50	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	2.1	<10.0	<10.0			--
	05/16/12	7.64	0.00	19.06	<50.0	<83.3	<417	<83.3	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	08/15/12	8.43	0.00	18.27	<50.0	<85.1	<426	<85.1	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	11/21/12	6.42	0.00	20.28	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
	11/06/13	9.42	0.00	17.28	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	10.72	0.00	15.98	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.010	<1.0	--
26.56	12/09/14	9.39	0.00	17.17	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0099	<1.0	--
	03/23/15	8.54	0.00	18.02	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/23/15	8.76	0.00	17.80	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	9.45	0.00	17.11	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	8.50	0.00	18.06	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled.																	--
	12/15/16	8.90	0.00	17.66	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/04/19	8.70	0.00	17.86	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	<0.48	<2.0	<2.0	<0.24	<0.22	0.35
	12/18/19	Not Gauged or Sampled.																	--
MW-211	11/05/08	7.23	0.00	19.32	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	<1.00	<1.00			--
26.55	02/25/09	8.19	0.00	18.39	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09	9.10	0.00	17.45	<50.0	<236	<472	<236	<0.500	<0.500	<0.500	<3.00	<1.00	<5.00	**4.72**	<1.00			--
	08/17/09	9.74	0.00	16.81	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/17/09	8.24	0.00	18.31	<50	<240	<480	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<1	<1			--
	02/22/10	7.91	0.00	18.64	<50.0	146	<385	<76.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.42	<0.10			--
	05/24/10	7.56	0.00	18.99	<50.0	115	<388	85.1	<1.0	<1.0	<1.0	<3.0	--	<1.0	.46	.29			--
	08/18/10	8.42	0.00	18.13	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	.34	.13			--
	11/15/10	8.37	0.00	18.18	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	03/01/11	8.54	0.00	18.01	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/15/11	5.61	0.00	20.94	<50.0	<84.2	<421	--	<1.0	<1.0	<1.0	<3.0	--	--	0.12	<0.10			--
	08/30/11	8.48	0.00	18.07	<50.0	<84.2	<421	<84.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	<0.10	<0.10			--
	12/06/11	8.83	0.00	17.72	<50.0	<83.3	<417	<83.3	<1.0	<1.0	<1.0	<3.0	--	<10.0	<0.10	0.15			--
	02/15/12	9.10	0.00	17.45	<50.0	<75.5	<377	<75.5	<1.0	<1.0	<1.0	<3.0	--	2.1	<10.0	<10.0			--
	05/16/12	7.65	0.00	18.90	<50.0	<83.3	<417	<83.3	<1.0	<1.0	<1.0	<3.0	--	4.0	<10.0	<10.0			--
	08/15/12	8.42	0.00	18.13	<50.0	<88.9	<444	<88.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	12/13/17	12.51	0.00	14.04	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0			--
	01/04/19	8.48	0.00	18.07	<19.6	--	--	--	<0.10	<0.083	<0.14	<0.31	--	--	<2.0	<2.0			--
	12/19/19	9.35	0.00	17.20	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	--	<2.0	2.0J	<0.24	<0.22	0.20
MW-806	11/02/05	7.58	0.00	--	61.8	<245	<490	--	1.57	<0.5	2.94	10.3	<2	--	--	--			--
26.28	02/24/06	7.71	0.00	18.57	117	<238	<476	--	<0.5	0.910	1.49	4.24	<1	<1	2.16	--			--
	12/11/06	8.21	0.00	18.07	--	--	--	--	--	--	--	--	--	--	--	--			--
		Abandoned or Damaged - To be decomissioned at a later date.																	--
MW-X	11/02/05	9.65	0.00	18.72	760	**252[l]**	<472	--	**114**	0.730	14.0	7.16	<1	--	--	--			--
28.37	02/21/06	Casing damaged - unable to collect sample																	--
SMW-2S	07/25/05	8.28	--	--	Casing damaged - unable to collect sample														--
	11/02/05	Not monitored																	--
	11/21/12	6.70	0.00	19.85	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
	11/06/13	9.45	0.00	17.10	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	12.24	0.00	14.31	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0097	<1.0	--
26.48	12/09/14	9.67	0.00	16.81	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	**28.9**	<10.0	<0.0098	<1.0	--
	03/23/15	8.77	0.00	17.71	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	8.91	0.00	17.57	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	9.51	0.00	16.97	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	Well Was Submerged Under Surface Water																	
	06/28/16	Unable to access well, not gauged or sampled.																	--
	12/15/16	8.80	0.00	17.68	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MW-212	09/30/14	14.23	0.00	--	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.021	<1.0	--
29.09	12/09/14	12.83	0.00	16.26	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0097	<1.0	--
	03/23/15	11.53	0.00	17.56	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.15	0.00	16.94	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	11.87	0.00	17.22	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	Well Was Inaccessible Due to Parked Vehicle Over Monument																	
	06/28/16	Not Gauged or Sampled																	
	12/13/16	10.60	0.00	18.49	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MW-213	10/06/14	11.63	0.00	--	105	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	**11.0**	<10.0	<0.020	<1.0	--
27.35	12/08/14	10.40	0.00	16.95	<100	--	--	--	4.9	<1.0	<1.0	<3.0	<1.0	--	**12.8**	<10.0	<0.0098	<1.0	--
	03/23/15	9.39	0.00	17.96	364	--	--	--	**70.6**	<1.0	18.7	18.5	--	--	--	--	--	--	--
	6/23/2015[aa]	9.24	0.00	18.11	453	--	--	--	**43.1**	1.3	16.8	27.8	--	--	--	--	--	--	--
	6/23/2015[bb]	9.24	0.00	18.11	150	--	--	--	**9.4**	<1.0	6.1	3.1	--	--	--	--	--	--	--
	9/11/2015[cc]	9.98	0.00	17.37	638	--	--	--	2.2	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	9/11/2015[dd]	9.98	0.00	17.37	<100	--	--	--	3.4	<1.0	1.4	<3.0	--	--	--	--	--	--	
	12/07/15	6.67	0.00	20.68	<100	--	--	--	1.2	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	06/28/16	9.41	0.00	17.94	<250	--	--	--	2.3	<0.50	5.5	3.2	--	--	--	--	--	--	
	12/15/16	9.00	0.00	18.35	408	--	--	--	**41.8**	<1.0	8.7	3.2	--	--	--	--	--	--	
	06/29/17	17.81	0.00	9.54	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	12/13/17	15.13	0.00	12.22	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0	--	--	
	06/13/18	8.82	0.00	18.53	**152**	--	--	--	1.4	0.13J	2.5	<0.13	--	--	**2.8J**	**2.6J**			

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	01/04/19	8.50	0.00	18.85	<19.6	--	--	--	<0.10	<0.083	<0.14	<0.13	--	--	<2.0	<2.0			
MW-213	06/04/19	8.60	0.00	18.75	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	<0.48	2.8J	<2.0	<0.24	<0.22	2.94
contd.	12/18/19	10.30	0.00	17.05	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	--	3.8J	2.5J	<0.24	<0.22	2.48
MW-214	10/06/14	12.14	0.00	--	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.021	<1.0	--
27.33	12/08/14	10.84	0.00	16.49	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.010	<1.0	--
	03/23/15	9.45	0.00	17.88	<100	--		--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/23/15	9.92	0.00	17.41	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	10.00	0.00	17.33	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	6.86	0.00	20.47	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled																	--
	12/15/16	8.50	0.00	18.83	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/04/19	8.63	0.00	18.70	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	<0.48	2.3J	2.3J	<0.24	<0.22	0.57
	12/18/19	Not Gauged or Sampled																	--
MW-215	10/06/14	12.25	0.00	--	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.020	<1.0	--
27.21	12/08/14	11.14	0.00	16.07	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0099	<1.0	--
	03/23/15	9.82	0.00	17.39	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/23/15	9.98	0.00	17.23	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	10.26	0.00	16.95	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	6.24	0.00	20.97	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled																	--
	12/15/16	9.30	0.00	17.91	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/29/17	Well dewatered.																	--
	12/13/17	15.75	0.00	11.46	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0	--	--	--
	06/13/18	8.72	--	18.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/04/19	8.95	--	18.26	<19.6	--	--	--	<0.10	<0.083	<0.14	<0.31	--	--	<2.0	<2.0			--
	12/18/19	10.40	0.00	16.81	<38.3	--	--	--	<0.10	<0.083	<0.14	<0.31	<0.16	--	<2.0	<2.0	<0.24	<0.22	0.33
MW-216	10/03/14	21.94	0.00	--	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.020	<1.0	--
29.68	12/09/14	13.97	0.00	15.71	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0096	<1.0	--
	03/23/15	12.43	0.00	17.25	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.85	0.00	16.83	<100	--	--	--	2.3	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/12/15	12.68	0.00	17.00	<100	--	--	--	1.4	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	11.57	0.00	18.11	<100	--	--	--	**10.3**	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	13.01	0.00	16.67	<250	--	--	--	<0.50	<0.50	<0.50	<1.5	--	--	--	--	--	--	--
	12/13/16	10.70	0.00	18.98	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/12/17	21.15	0.00	8.53	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0	--	--	--
	01/03/19	11.00	0.00	18.68	<19.6	--	--	--	<0.10	0.20J	<0.14	<0.31	--	--	<2.0	<2.0			--
	12/18/19	13.92	0.00	15.76	93.8J	238J	101J	--	<0.10	<0.083	<0.14	<0.31	<0.16	<1.6	<2.0	<2.0	<0.24	<0.22	0.67
MW-217	10/03/14	23.64	0.00	--	<100	--	--	--	1.8	9.1	1.0	5.3	<1.0	--	<10.0	<10.0	<0.020	<1.0	--
30.08	12/09/14	13.42	0.00	16.66	<100	--	--	--	**6.1**	<1.0	<1.0	<3.0	<1.0	--	**14.7**	<10.0	<0.0096	<1.0	--
	03/23/15	12.87	0.00	17.21	<100	--	--	--	4.5	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	13.13	0.00	16.95	105	--	--	--	4.8	<1.0	1	<3.0	--	--	--	--	--	--	--
	9/12/2015[ee]	12.42	0.00	17.66	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	9/12/2015[ff]	12.42	0.00	17.66	197	--	--	--	4.4	<1.0	2.3	<3.0	--	--	--	--	--	--	--
	12/07/15	11.37	0.00	18.71	182	--	--	--	1.6	<1.0	3.0	<3.0	--	--	--	--	--	--	--
	06/28/16	12.95	0.00	17.13	<250	--	--	--	<0.50	<0.50	<0.50	<1.5	--	--	--	--	--	--	--
	12/13/16	11.35	0.00	18.73	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/12/17	19.67	0.00	10.41	226	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0	--	--	--
	01/03/19	11.38	0.00	18.70	229	--	--	--	0.20J	19.3	1.1	3.1	--	--	<2.0	<2.0			--
	12/18/19	14.35	0.00	15.73	322	**803**	232J	**1,100**	<0.10	0.63J	0.27J	5.3	<0.16	1.6J	<2.0	<2.0	<0.24	<0.22	0.13
MW-218	10/03/14	20.62	0.00	--	492	--	--	--	<1.0	3.0	<1.0	8.4	<1.0	--	<10.0	<10.0	<0.021	<1.0	--
29.64	12/09/14	13.05	0.00	16.59	616	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.010	<1.0	--
	03/23/15	11.71	0.00	17.93	353	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.29	0.00	17.35	560	--	--	--	<1.0	<1.0	<1.0	5.6	--	--	--	--	--	--	--
	9/12/2015[gg]	11.94	0.00	17.70	614	--	--	--	<1.0	<1.0	1.1	11.2	--	--	--	--	--	--	--
	9/13/2015[hh]	11.94	0.00	17.70	258	--	--	--	<1.0	<1.0	1.2	11.4	--	--	--	--	--	--	--
	12/07/15	10.96	0.00	18.68	180	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled																	--
	12/13/16	10.95	0.00	18.69	515	--	--	--	<1.0	<1.0	<1.0	5.5	--	--	--	--	--	--	--
	12/12/17	15.72	0.00	13.92	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0	--	--	--
	01/03/19	11.00	0.00	18.64	104	--	--		<0.10	0.78J	<0.14	<0.31	--	--	<2.0	<2.0			--
	12/18/19	14.83	0.00	14.81	229	**1,020**	243J	**1,500**	<0.10	0.13J	<0.14	<0.31	<0.16	<1.6	2.0J	<2.0	<0.24	<0.22	0.16
MW-219	10/06/14	14.18	0.00	--	147	--	--	--	<1.0	1.2	2.0	4.4	<1.0	--	<10.0	<10.0	<0.020	<1.0	--
27.41	12/09/14	10.98	0.00	16.43	197	--	--	--	1.0	<1.0	2.4	5.8	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	9.91	0.00	17.50	<100	--	--	--	1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	9.75	0.00	17.66	<100	--	--	--	1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/10/15	10.52	0.00	16.89	<100	--	--	--	<1.0	<1.0	1.1	<3.0	--	--	--	--	--	--	--
	12/07/15	9.78	0.00	17.63	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled																	--
	12/13/16	9.90	0.00	17.51	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/13/17	14.99	0.00	12.42	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0	--	--	--
	01/03/19	Well could not be located-Construction area																	
	12/18/19	Well could not be located-Construction area																	
SMW-3	03/08/95	10.25	0.00	--	<50	400	**2,500**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
29.03	06/06/95	10.23	0.00	--	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	09/07/95	10.89	0.00	--	<50	300	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	12/08/95	10.36	0.00	--	<50	300	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	04/01/96	10.07	0.00	--	**34,000**	**4,000**	**2,300**	--	**6,400**	42	**2,100**	**3,000**	--	--	--	--			--
	06/25/96	10.19	0.00	--	<50	320	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	09/27/96	11.12	0.00	--	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	03/28/97	10.19	0.00	--	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/30/97[b]	10.14	0.00	--	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	09/08/97[b]	10.85	0.00	--	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	12/19/97[b]	9.67	0.00	--	<50	521	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	03/16/98[b]	9.28	0.00	--	50.1	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/26/98[b]	8.87	0.00	--	<50	500	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	09/23/98[b]	9.88	0.00	--	<50	<250	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	12/17/98[b]	9.22	0.00	--	<50	293	**<750**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	03/31/99[b]	9.01	0.00	--	<50	360	**<750**	--	<0.5	<0.5	0.53	4.97	--	--	--	--			--
	06/30/99[b]	9.55	0.00	--	<50	639	**<750**	--	<0.5	0.609	<0.5	1.32	--	--	--	--			--
	12/08/99[b]	8.75	0.00	--	<50	<484	**<1,450**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/20/00[b]	8.89	0.00	--	<50	<250	**<750**	--	<0.5	0.585	<0.5	1.86	--	--	--	--			--
	12/19/00	NM	NM	--	--	--	**--**	--	--	--	--	--	--	--	--	--			--
	06/15/01[b]	7.23	0.00	--	<50	368	**<866**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/26/01	NM	NM	--	--	--	**--**	--	--	--	--	--	--	--	--	--			--
	09/07/01[b]	9.19	0.00	--	<50	385	**<571**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	10/10/01	NM	NM	--	--	--	**--**	--	--	--	--	--	--	--	--	--			--
	12/28/01	8.89	0.00	--	<50	**1,160**	<500	--	<0.5	0.902	<0.5	2.78	--	--	--	--			--
	03/08/02	NM	NM	--	--	--	**--**	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	**--**	--	--	--	--	--	--	--	--	--			--
	09/26/02	10.32	0.00	--	<100	<250	<500	--	1.83	<2	<1.00	<1.5	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	**--**	--	--	--	--	--	--	--	--	--			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	03/13/03	10.99	0.00	--	<50	<250	<500	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	11.00	0.00	--	<50	<287	**<575**	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
SMW-3	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
contd.	03/30/04	10.42	0.00	--	<100	<119	<238	--	<1	<1	<1	<2	--	--	--	--			2.10
	06/22/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/29/04	11.67	0.00	--	56	<242	<483	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--			0.10
	12/29/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/17/05	11.68	0.00	--	<100	<248	<495	--	<1	<1	<1	<2	--	--	--	--			1.20
	06/01/05	10.62	0.00	--	<100	<249	<498	--	<1	<1	<1	<2	<1	--	--	--			1.30
	07/25/05	11.19	0.00	--	<50	<250	<500	--	<0.2	<0.2	<0.2	<0.5	<1	<0.5	--	--			1.20
29.03	11/08/05	11.77	0.00	17.26	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	--	--	--			NM [o]
	02/24/06	11.84	0.00	17.19	<50	<278	**<556**	--	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	--			--
	08/30/06				<80	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			
	10/11/06	10.70	0.00	18.33	<50	<243	<485	--	<0.5	<0.5	<0.5	<3	<1	<1	<1	--			0.17
	12/13/06	12.14	0.00	16.89	<50	<236	<472	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			1.05
	03/08/07	11.68	0.00	17.35	<50	<250	<500	--	<0.5	<0.5	<0.5	<3	<1	<5	<1	--			1.44
	06/13/07	--	--	--	Not Accessible														--
	09/12/07	--	--	--	Not Accessible														--
	12/17/07	--	--	--	Not Accessible														--
	03/17/08	--	--	--	Unable to locate														--
	06/02/08	9.05	0.00	19.98	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	<1	<1			--
	08/05/08	7.64	0.00	21.39	<50	<236	<472	<236	<0.5	<0.5	<0.5	<3	<1	<5	**4.54**	<1			--
27.40	11/04/08	9.70	0.00	17.70	<50.0	<238	<476	<238	<0.500	<0.500	<0.500	<3.00		<5.00	**5.88**	<1.00			--
	02/25/09	9.90	0.00	17.50	<50.0	<240	<481	<240	<0.500	<0.500	<0.500	<3.00	--	<5.00	<1.00	<1.00			--
	05/17/09				Not Accessible														--
	08/17/09	10.10	0.00	17.30	<50	<250	<490	<250	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	<5.0	<5.0			--
	11/17/09	9.53	0.00	17.87	<50	<240	<490	<240	<0.50	<0.50	<0.50	<2.0	<1.0	<5.0	1.2	<1			--
	02/22/10	9.90	0.00	17.50	<50.0	107	**605**	<76.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.26	<0.10			--
	05/24/10	8.50	0.00	18.90	<50.0	255	**510**	100	<1.0	<1.0	<1.0	<3.0	--	<1.0	.42	<0.10			--
	08/18/10	9.29	0.00	18.11	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	.39	<0.10			--
	11/16/10	10.11	0.00	17.29	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	03/01/11	9.85	0.00	17.55	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/15/11	8.55	0.00	18.85	<50.0	<83.3	<417	--	<1.0	<1.0	<1.0	<3.0	--	--	0.21	<0.10			--
	08/30/11	9.63	0.00	17.77	<50.0	<86.0	<430	<86.0	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.13	0.14			--
	12/06/11	10.13	0.00	17.27	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	<10.0	0.13	0.38			--
	02/15/12	10.22	0.00	17.18	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	2.1	<10.0	<10.0			--
	05/16/12	8.64	0.00	18.76	<50.0	<83.3	<417	<83.3	<1.0	<1.0	<1.0	<3.0	--	2.9	<10.0	<10.0			--
	08/15/12	9.30	0.00	18.10	<50.0	<85.1	<426	<85.1	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	12/13/17	10.82	0.00	16.58	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	<10.0	<10.0			--
	01/03/19	Well could not be located																	--
SMW-4	03/08/95	8.14	0.00	--	39,000	4,100	5,100	--	13,000	<250	2,400	8,200	--	--	--	--			--
	06/06/95	8.90	0.00	--	41,000	5,500	<750	--	9,400	44	2,700	4,900	--	--	--	--			--
	09/07/95	8.99	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/08/95	7.56	0.00	--	40,000	1,500	920	--	8,100	57.0	2,600	3,600	--	--	--	--			--
	04/01/96	8.13	0.00	--	<50	<250	<750	--	<0.5	<0.5	<0.5	<1	--	--	--	--			--
	06/25/96	8.20	0.00	--	28,100	2,680	630	--	3,900	81.4	1,710	1,710	--	--	--	--			--
	09/27/96	8.62	0.00	--	28,600	2,460	<750	--	6,090	<0.5	2,060	1,730	--	--	--	--			--
	03/28/97	8.20	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/30/97	8.06	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/08/97	9.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/19/97	9.41	0.04	--	LPH Present														--
	03/16/98	9.09	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/26/98	8.76	Trace	--	LPH Present														--
	09/23/98	9.96	0.05	--	LPH Present														--
	12/17/98	10.22	Trace	--	LPH Present														--
	03/31/99	8.70	Trace	--	LPH Present														--
	06/30/99	8.20	Trace	--	LPH Present														--
	12/08/99	NM	NM	--	Inaccessible														--
	06/20/00	NM	NM	--	Inaccessible														--
	12/19/00	NM	NM	--	Inaccessible														--
	06/15/01	NM	NM	--	Inaccessible														--
	06/26/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/07/01	NM	NM	--	Inaccessible														--
	10/10/01	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/28/01	NM	NM	--	Inaccessible														--
	03/08/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/24/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/26/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	12/12/02	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	03/13/03	9.55	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	06/12/03	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	09/19/03	10.58	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	01/14/04	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	07/25/05	9.04	Sheen	--	14,500	6,490	1,110	--	2,120	<20	908	<50	<1	312	--	--			1.10
28.33	11/02/05	10.10	0.00	18.23	17,200	3,210	<472	--	2,440	<50	1,390	<300	<100	--	--	--			NM [o]
	02/24/06	5.07	0.00	23.26	17,800	3,160[g]	<472	--	2,730	13.4	1,330	<60	<20	442	**15.8**	--			--
	05/11/06	9.29	0.00	19.04	18,700	1,520	<490	--	2,130	<25	1,120	<150	<50	531	**29.4**	--			0.46
	08/31/06	10.56	0.00	17.77	8,190	651g	<495	--	1,800	11.9	1,000	1,350	<10	366	**20.0**	--			1.15
	12/13/06	9.27	0.00	19.06	16,800	682	<472	--	1,880	<20	1,240	1,550	<40	465	**9.5**	--			0.09
	03/08/07	9.19	0.00	19.14	16,500	1,010	<490	--	2,000	<20	1,480	1,820	40.0	991	**7.42**	--			0.27
	06/13/07	9.21	0.00	19.12	13,000	963 [g]	<495	--	2,070	14.4 [J]	1,720	42.6 [J]	<1	1,160	**7.74**	--			0.75
	09/13/07	9.45	0.00	18.88	15,000	834	<476	--	2,170	16.3	1,800	2,410	<1	598	**7.57**	--			0.23
	12/19/07	8.51	0.00	19.82	12,400	904	<472	--	1,400	4.8	640	13.70	<1	310	**8.66**	--			--
	03/17/08	8.92	0.00	19.41	1,630	<236	<472	<1	78.1	1.23	1.34	8.17	<1	5.71	**3.82**	**3.82**			--
	06/03/08	8.98	0.00	19.35	14,600	753	<472	3,840	1,330	6.02	866	15.40	<1	292	**10.40**	<1			--
	08/06/08	9.47	0.00	18.86	10,300	959	<472	3,280	1,210	5.29	782	<3	<1	454	**9.96**	**7.91**			--
	11/03/08	9.41	0.00	18.92	15,800	1,400	<472	5,450	1,290	6.95	1,620	24.40	<1.00	<500	**12.30**	**8.88**			--
	11/18/08	Decommissioned																	--
SMW-5	07/25/05	10.40	0.00	--	3,110	835[b]	<500	--	40.2	0.790	41.8	21.48	<1	24.6	--	--			0.60
29.17	11/02/05	10.51	0.00	18.66	1,950[m]	1,930[f,g]	<490	--	52.9	3.43	58.0	64.8	<2	--	--	--			NM [o]
	02/22/06	10.42	0.00	18.75	3,530	<248	<495	--	176	<2.5	31.8	18.5	<5	50.0	**4.21**	--			--
	05/11/06	10.59	0.00	18.58	3,140	1,110	<500	--	140	2.95	53.6	31.1	<5	49.2	<1	--			0.63
	08/31/06	11.45	0.00	17.72	942	248p	<472	--	51.8	1.73	9.01	11.3	<1	30.3	2.12	--			0.29
	12/13/06	10.42	0.00	18.75	3,780	318	<472	--	177.0	6.62	93.9	53.4	<2	60.8	<1	--			0.07
	03/08/07	10.27	0.00	18.90	2,560	<236	<472	--	80.4	0.840	8.81	6.35	<1	51.3	2.12	--			0.94
	06/13/07	10.15	0.00	19.02	2,850 [J]	301 [g]	<485	--	61.2	0.880	8.21	5.43	<1	17.2	<1	--			0.72
	09/13/07	10.29	0.00	18.88	1,350	258	<476	--	35.0	1.43	19.5	<3	<1	18.2	<1	--			0.05
	12/18/07	8.45	0.00	20.72	3,610	264	<472	--	150.0	8.10	140.0	41.20	<1	66.0	1.83	--			--
	03/17/08	9.75	0.00	19.42	3,450	288	<472	<1	1,110	93.9	1.03	20.4	4.28	<1	**15.7**	<1			--
	06/03/08	10.11	0.00	19.06	1,580	<236	<472	682	24.4	0.89	12.9	5.15	<1	9.06	**2.72**	<1			--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	08/05/08	10.70	0.00	18.47	2,050	259	<472	941	18.2	1.28	17.1	4.78	<1	6.2	1.54	<1			--
	11/03/08	10	0.00	19.17	2,890	280	<476	1190	6	1.03	21.5	5.59	<1.00	8.59	1.14	<1.00			--
	11/18/08	Decommissioned																	--
SMW-5	11/21/12	9.16	0.00	18.24	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
contd.	11/06/13	10.10	0.00	17.30	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	10.85	0.00	16.55	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0099	<1.0	--
27.32	12/09/14	9.94	0.00	17.38	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	**119**	<10.0	<0.0098	<1.0	--
	03/23/15	9.39	0.00	17.93	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/23/15	9.39	0.00	17.93	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	10.25	0.00	17.07	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	8.78	0.00	18.54	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	9.09	0.00	18.23	Not Sampled														--
	12/15/16	10.20	0.00	17.12	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MWR-1	11/17/10	9.75	0.00	20.16	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
29.91	03/03/11	10.23	0.00	19.68	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/15/11	10.28	0.00	19.63	<50.0	<83.3	<417	--	<1.0	<1.0	<1.0	<3.0	--	--	1.5	<0.10			--
	08/30/11	10.97	0.00	18.94	<50.0	<86.0	<430	--	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.51	<0.10			--
	12/06/11	10.80	0.00	19.11	<50.0	<83.3	<417	<83.3	<1.0	<1.0	<1.0	<3.0	--	<10.0	0.68	0.62			--
	02/16/12	10.51	0.00	19.40	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	05/15/12	10.20	0.00	19.71	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	3.8	<10.0	<10.0			--
	08/15/12	10.65	0.00	19.26	<50.0	<85.1	<426	<85.1	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	11/20/12	8.82	0.00	21.09	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
	11/06/13	12.04	0.00	17.87	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	Well was dry																	--
29.86	12/08/14	12.51	0.00	17.35	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0099	<1.0	--
	03/23/15	11.13	0.00	18.73	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.43	0.00	17.43	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	12.01	0.00	17.85	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	10.58	0.00	19.28	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	12.21	0.00	17.65	Not Sampled														--
	12/14/16	10.35	0.00	19.51	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/29/17	Not accessible																	--
	06/13/18	Not accessible																	
MWR-2	11/17/10	8.08	0.00	20.17	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	**11.7**	<10.0			--
28.25	03/01/11	8.61	0.00	19.64	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	**16.0**	--			--
	06/14/11	8.67	0.00	19.58	<50.0	<83.3	<417	--	<1.0	<1.0	<1.0	<3.0	--	--	**3.1**	<0.10			--
	08/29/11	9.32	0.00	18.93	<50.0	<83.3	<417	<87.0	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.35	0			--
	12/06/11	9.09	0.00	19.16	<50.0	<86.0	<430	<86.0	<1.0	<1.0	<1.0	<3.0	--	<10.0	1.3	<0.10			--
	02/16/12	8.97	0.00	19.28	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	2.0	<10.0	<10.0			--
	05/15/12	8.62	0.00	19.63	<50.0	<75.8	<379	<75.8	<1.0	<1.0	<1.0	<3.0	--	3.8	<10.0	<10.0			--
	08/15/12	9.05	0.00	19.20	<50.0	<84.2	<421	<84.2	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	11/20/12	7.32	0.00	20.93	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
	11/06/13	10.33	0.00	17.92	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	Well contained 0.65 foot of water in well cap; well was not sampled.																	--
28.16	12/08/14	12.51	0.00	15.65	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0099	<1.0	--
	03/23/15	Could Not Locate Well																	--
	06/22/15	Could Not Locate Well																	--
	09/10/15	Could Not Locate Well																	--
	12/07/15	Could Not Locate Well																	--
	06/28/16	Not Gauged or Sampled																	--
	12/14/16	Could Not Locate Well																	--
MWR-3	11/17/10	9.82	0.00	19.94	<50.0	83.6	<385	**1,140**	<1.0	1.4	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
29.76	03/01/11	10.17	0.00	19.59	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/15/11	10.18	0.00	19.58	<50.0	<82.5	<412	--	<1.0	<1.0	<1.0	<3.0	--	--	0.74	<0.10			--
	08/30/11	10.87	0.00	18.89	<50.0	<88.9	<444	<88.9	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.38	<0.10			--
	12/06/11	10.63	0.00	19.13	<50.0	<86.0	<430	<86.0	<1.0	<1.0	<1.0	<3.0	--	<10.0	<0.10	<0.10			--
	02/16/12	10.51	0.00	19.25	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	2.0	<10.0	<10.0			--
	05/15/12	10.22	0.00	19.54	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	08/15/12	10.56	0.00	19.20	<50.0	<87.0	<435	<87.0	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	11/20/12	9.86	0.00	19.90	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			
	11/06/13	11.52	0.00	18.24	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	Well was dry																	--
29.67	12/08/14	12.52	0.00	17.15	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	10.98	0.00	18.69	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.37	0.00	17.30	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	11.99	0.00	17.68	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	10.34	0.00	19.33	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled																	--
	12/14/16	10.35	0.00	19.32	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/18/19	Well could not be located-Construction area																	
MWR-4	11/17/10	8.98	0.00	19.90	141	<76.9	<385	140	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
28.88	03/01/11	9.44	0.00	19.44	<50.0	<77.7	<388	132	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/14/11	9.32	0.00	19.56	<50.0	<85.1	<426	--	<1.0	<1.0	<1.0	<3.0	--	--	0.63	<0.10			--
	08/29/11	10.02	0.00	18.86	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.18	0			--
	12/06/11	9.78	0.00	19.10	<50.0	<83.3	<417	<83.3	<1.0	<1.0	<1.0	<3.0	--	<10.0	<0.10	0.29			--
	02/16/12	10.72	0.00	18.16	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	2.0	<10.0	<10.0			--
	05/15/12	9.32	0.00	19.56	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	3.8	<10.0	<10.0			--
	08/15/12	9.82	0.00	19.06	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	11/20/12	9.31	0.00	19.57	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			--
	11/06/13	11.02	0.00	17.86	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	Well was dry																	--
28.80	12/08/14	12.06	0.00	16.74	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	10.53	0.00	18.27	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	11.55	0.00	17.25	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	11.30	0.00	17.50	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	10.07	0.00	18.73	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	Not Gauged or Sampled																	--
	12/14/16	9.50	0.00	19.30	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
MWR-5	11/17/10	7.91	0.00	19.36	**15,900**	423	<388	**5,080**	**199**	371	592	**3,710**	--	157	<10.0	<10.0			--
27.27	02/28/11	8.60	0.00	18.67	**21,800**	368	<388	**4,650**	**195**	444	642	**3,430**	--	143	<10.0	--			--
	06/14/11	7.82	0.00	19.45	**22,700**	323	<400	**--**	**192**	383	**719**	**4,340**	--	--	**4.1**	0			--
	08/29/11	8.50	0.00	18.77	**35,400**	478	<408	**7,060**	**244**	271	**861**	**4,500**	--	**338**	0.95	0.62			--
	12/05/11	7.75	0.00	19.52	**30,500**	235	<412	**9,580**	**211**	450	**1,140**	**5,960**	--	**193**	1.3	0.52			--
	02/16/12	8.93	0.00	18.34	**9,490**	160	<396	**2,330**	**68.7**	9.1	218	**1,090**	--	88.2	<10.0	<10.0			--
	05/15/12	8.01	0.00	19.26	**27,900**	298	<404	**4,650**	**181**	160	**813**	**4,830**	--	**226**	<10.0	<10.0			--
	08/14/12	8.62	0.00	18.65	**7,720**	329	<440	**2,560**	**60.5**	3.80	244	**1,280**	--	81.3	<10.0	<10.0			--
	11/20/12	5.11	0.00	22.16	**35,500**	**15,500**	<100	**20,500**	**306**	471	**1,520**	**10,700**	--	**342**	**5.8**	<3.0			--
	11/06/13	9.45	0.00	17.82	**3,820**	<400	<400	**1,100**	**23.0**	<1.0	150	286	<1.0	--	<10.0	<10.0			--
	07/29/14	Well dewatered.																	--
27.12	12/08/14	10.54	0.00	16.58	**20,400**	--	--	--	<1.0	2.1	430	**1,400**	<1.0	--	<10.0	<10.0	<0.010	<1.0	--
	03/23/15	8.98	0.00	18.14	**11,900**	--	--	--	**31.0**	1.4	459	**1,030**	<1.0	--	<10.0	<10.0	<0.010	<1.0	--

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

Sample I.D. TOC a	Sample Date	DTW (feet)	SPH (feet)	GWE (feet)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphtha-lene (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	EDB (µg/L)	EDC (µg/L)	DO (mg/L)
MTCA Method A Cleanup Level for Groundwater					**1000/800[k]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**160**	**15**	**15**	**0.01**	**5**	
MTCA Method B Cleanup Level for Surface Water					**--**	**--**	**--**	**--**	**22.7**	**18,900**	**6,820**	**--**	**--**	**4,710**	**2.5**	**2.5**	**--**	**--**	
	06/22/15	9.98	0.00	17.14	**14,700**	--	--	--	**22.9**	<10.0	455	843	--	--	--	--	--	--	--
	09/10/15	9.51	0.00	17.61	**10,700**	--	--	--	**35.0**	1.1	223	644	--	--	--	--	--	--	--
	12/07/15	Well Submerged Under Surface Water																	
	06/28/16	9.54	0.00	17.58	**10,800**	--	--	--	**14.9**	<1.2	232	519	--	--	--	--	--	--	--
MWR-5	12/14/16	8.45	0.00	18.67	**51,900**	--	--	--	**45.6**	7.4	**1,920**	**6,350**	--	--	--	--	--	--	--
contd.	06/29/17	Well dewatered.																	
	12/13/17	13.94	0.00	13.18	713	--	--	--	<1.0	<1.0	2.4	20.3	--	--	<10.0	<10.0	--	--	--
	06/13/18	8.66	0.00	18.46	**11,000**	--	--	--	**5.9**	**1.4**	**72.8**	**511**	--	--	2.4J	<2.0	--	8.66	--
	01/03/19	7.72	0.00	19.40	**43,000**	--	--	--	**20.9**	7.9	**1,180**	**4,282**	--	--	<2.0	<2.0		7.72	
MWR-6	11/16/10	10.10	0.00	19.15	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
29.25	02/28/11	10.89	0.00	18.36	<50.0	<77.7	<388	<77.7	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	--			--
	06/14/11	10.11	0.00	19.14	<50.0	<80.8	<404	--	<1.0	<1.0	<1.0	<3.0	--	--	1.3	<0.10			--
	08/29/11	10.75	0.00	18.50	<50.0	<87.0	<435	--	<1.0	<1.0	<1.0	<3.0	--	<1.0	0.3	<0.10			--
	12/05/11	9.48	0.00	19.77	<50.0	<82.5	<412	<82.5	<1.0	<1.0	<1.0	<3.0	--	<10.0	0.54	0.11			--
	02/16/12	11.90	0.00	17.35	<50.0	<75.5	<377	<75.5	<1.0	<1.0	<1.0	<3.0	--	2.8	<10.0	<10.0			--
	05/15/12	10.26	0.00	18.99	<50.0	<81.6	<408	<81.6	<1.0	<1.0	<1.0	<3.0	--	3.8	<10.0	<10.0			--
	08/14/12	10.45	0.00	18.80	<50.0	<85.1	<426	<85.1	<1.0	<1.0	<1.0	<3.0	--	<1.0	<10.0	<10.0			--
	11/20/12	9.59	0.00	19.66	<100	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	--	<4.0	<3.0	<3.0			
	11/06/13	11.77	0.00	17.48	<400	<400	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0			--
	07/29/14	Well dewatered.																	
29.12	12/08/14	12.51	0.00	16.61	<100	--	--	--	**5.1**	<1.0	<1.0	<3.0	<1.0	--	<10.0	<10.0	<0.0098	<1.0	--
	03/23/15	11.66	0.00	17.46	<100	--	--	--	1.7	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/22/15	12.38	0.00	16.74	<100	--	--	--	1.6	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	09/11/15	11.98	0.00	17.14	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	12/07/15	10.89	0.00	18.23	<100	--	--	--	1.9	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/28/16	11.75	0.00	17.37	<250	--	--	--	<0.50	<0.50	<0.50	<1.5	--	--	--	--	--	--	--
	12/14/16	10.85	0.00	18.27	<100	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--
	06/29/17	Well dewatered.																	
	06/13/18	10.94	--	18.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/19	13.02	0.00	16.10	<38.3	205J	156J	210J	<0.10	<0.083	<0.14	<0.31	<0.16	<1.6	2.9J	<2.0	<0.24	<0.22	0.29

Table 1
Summary of Historical Groundwater Gauging and Laboratory Analytical Data

Phillips 66 Site No. 255353 (AOC 1396)
600 Westlake Avenue North
Seattle, Washington

NOTES:

µg/L = micrograms per liter
mg/L = milligrams per liter
TOC = Relative top of casing elevation
DTW = Depth to water
SPH = Separate-phase hydrocarbon thickness
GWE = Groundwater table elevation relative to DTW data; corrected for SPH where applicable using a specific gravity of 0.80
<n = Below the detection limit
"--" = Not analyzed, sampled, or reported
NM = Not Measured
TPH as Gasoline - Analysis by Northwest Method NWTPH-Gx
TPH as Diesel and Oil - Analysis by Northwest Method NWTPH-Dx
BTEX Compounds - Analysis by EPA Method 8020A, 8021B or 8260B
Total Lead Analysis via EPA Method 6020.
Values in **BOLD** are detectable concentrations exceeding the MTCA Method A groundwater cleanup level and/or the MTCA Method B surface water cleanup level

[a] Top of casing elevations shown prior to November 2005 based on information provided by a previous consultant. All TOC elevations were re-surveyed between November 1 and November 15, 2005 relative to N.A.V.D. 1988 using a City of Seattle benchmark by Delta Environmental Consultants. All wells were again surveyed on December 8, 2015 by Cardno WRG.

[b] Well was not purged prior to sample collection.

[c] TPH-Diesel and TPH-Oil did not resemble chromatogram used for quantitation.

[d] Well casing was trimmed down during monument replacement in December 2004. New TOC elevation surveyed on January 27, 2005.

[e] Quality control failed due to laboratory error. Quantitative analytical results not reported.

[f] Contaminant does not appear to be "typical" product.

[g] Chromatogram suggests that this may be overlap from the gasoline range.

[h] Chromatogram suggests that this may be overlap from the motor oil range.

[H] Anlaysis was performed outside of the method specified holding time

[j] Surrogate recovery outside advisory QC limits due to matrix interference.

[k] MTCA Method A Cleanup Level for TPH-Gasoline is 1,000 ug/L if benzene is not detectable in the groundwater sample. Otherwise, the action level is 800 ug/L.

[l] Samples analyzed using Northwest Method NWTPH-Dx without acid/silica gel cleanup.

[m] Surogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present.

[n] Detected hydrocarbons due mainly to cleanup artifact. There is no diesel present.

[o] DO meter was unavailable.

[p] The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

[q] Analyte had a high bias in the associated calibration verification standard.

[r] Laboratory Control Sample and/or Sample Duplicate recovery was above the laboratory control limits. Analyte not detected, data not impacted.

[s] Dilluted due to matrix effect.

[t] The total hydrocarbon result in this sample is primarily due to an individual compound eluting in the volatile hydrocarbon range.

[u] Due to laboratory error, the samples were not analyzed for EPA 8260B compounds.

[v] Possible field error.

[w] DTW not recorded prior to sampling. Approximate value based on last quarter's initial DTW and when sampling began

[x] The benzene and ethyl benzene concentrations were outside the calibration range of the instrument. A new concentration was measured during a second run, but this run was outside of the holding time for the sample. The laboratory still considers this value to be more accurate than the original estimated value listed in the lab report.

[Y] The Chromatogram response resembles a typical fuel pattern

[Z] Well casings for MW-45 and MW-54 were compromised and repaired during installation of remediation conveyance piping. Wells were re-surveyed in July 2014. 2014.

[aa] Sample collected prior to High Intensity Targeted Extraction Event on June 23, 2015.

[bb] Sample collected immediately after High Intensity Targeted Extraction Event on June 23, 2015.

[cc] Sample collected prior to High Intensity Targeted Extraction Event on September 11, 2015.

[dd] Sample collected immediately after High Intensity Targeted Extraction Event on September 11, 2015.

[ee] Sample collected prior to High Intensity Targeted Extraction Event on September 12, 2015.

[ff] Sample collected immediately after High Intensity Targeted Extraction Event on September 12 , 2015.

[gg] Sample collected prior to High Intensity Targeted Extraction Event on September 13, 2015.

[hh] Sample collected immediately after High Intensity Targeted Extraction Event on September 13 , 2015.

"--[u]" = Due to laboratory error, the samples were not analyzed for EPA 8260B compounds.

APPENDIX A

LABORATORY ANALYTICAL DATA REPORTS AND CHAIN OF CUSTODY DOCUMENTS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

June 18, 2019

Elisabeth Silver
ATC Group Services LLC
6347 Seaview Ave NW
Seattle, WA 98107

RE: Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Dear Elisabeth Silver:
Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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CERTIFICATIONS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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SAMPLE SUMMARY

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10477997001	**MW-50**	Water	06/04/19 16:05	06/06/19 07:40
10477997002	**MW-209**	Water	06/04/19 13:00	06/06/19 07:40
10477997003	**MW-210**	Water	06/04/19 13:40	06/06/19 07:40
10477997004	**MW-213**	Water	06/04/19 14:25	06/06/19 07:40
10477997005	**MW-214**	Water	06/04/19 15:20	06/06/19 07:40
10477997006	**Trip Blank**	Water	06/04/19 17:00	06/06/19 07:40

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SAMPLE ANALYTE COUNT

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10477997001	**MW-50**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	AEZ	69	PASI-M
10477997002	**MW-209**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	AEZ	69	PASI-M
10477997003	**MW-210**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	AEZ	69	PASI-M
10477997004	**MW-213**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	AEZ	69	PASI-M
10477997005	**MW-214**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	AEZ	69	PASI-M
10477997006	**Trip Blank**	EPA 8260B	AEZ	4	PASI-M

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1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-50 **Lab ID: 10477997001** Collected: 06/04/19 16:05 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		06/13/19 23:03		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	50-150		1		06/13/19 23:03	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	06/10/19 14:10	06/12/19 11:30	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	06/12/19 15:57	06/13/19 14:31	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:21	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:21	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		06/15/19 18:21	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		06/15/19 18:21	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:21	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:21	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:21	563-58-6	
1,2,3-Trichlorobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 18:21	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		06/15/19 18:21	96-18-4	
1,2,4-Trichlorobenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:21	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		06/15/19 18:21	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:21	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:21	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 18:21	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 18:21	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		06/15/19 18:21	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:21	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:21	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:21	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		06/15/19 18:21	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		06/15/19 18:21	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:21	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		06/15/19 18:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		06/15/19 18:21	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		06/15/19 18:21	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		06/15/19 18:21	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 18:21	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 18:21	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		06/15/19 18:21	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 18:21	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		06/15/19 18:21	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		06/15/19 18:21	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		06/15/19 18:21	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-50 **Lab ID: 10477997001** Collected: 06/04/19 16:05 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:21	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		06/15/19 18:21	75-00-3	
Chloroform	**<0.45**	ug/L	1.0	0.45	1		06/15/19 18:21	67-66-3	
Chloromethane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 18:21	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		06/15/19 18:21	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		06/15/19 18:21	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 18:21	75-71-8	
Diethyl ether (Ethyl ether)	**<0.095**	ug/L	4.0	0.095	1		06/15/19 18:21	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:21	100-41-4	
Hexachloro-1,3-butadiene	**<0.31**	ug/L	1.0	0.31	1		06/15/19 18:21	87-68-3	M1
Isopropylbenzene (Cumene)	**0.65J**	ug/L	1.0	0.18	1		06/15/19 18:21	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:21	1634-04-4	
Methylene Chloride	**<0.98**	ug/L	4.0	0.98	1		06/15/19 18:21	75-09-2	
Naphthalene	**1.1J**	ug/L	4.0	0.48	1		06/15/19 18:21	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		06/15/19 18:21	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:21	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		06/15/19 18:21	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		06/15/19 18:21	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		06/15/19 18:21	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 18:21	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		06/15/19 18:21	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		06/15/19 18:21	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:21	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		06/15/19 18:21	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:21	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 18:21	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:21	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:21	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:21	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:21	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		06/15/19 18:21	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		06/15/19 18:21	17060-07-0	
Toluene-d8 (S)	95	%.	75-125		1		06/15/19 18:21	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		06/15/19 18:21	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-209 **Lab ID: 10477997002** Collected: 06/04/19 13:00 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		06/13/19 23:37		
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%.	50-150		1		06/13/19 23:37	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.4J**	ug/L	10.0	2.0	1	06/10/19 14:10	06/12/19 11:32	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	06/12/19 15:57	06/13/19 14:34	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:37	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:37	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		06/15/19 18:37	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		06/15/19 18:37	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:37	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:37	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:37	563-58-6	
1,2,3-Trichlorobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 18:37	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		06/15/19 18:37	96-18-4	
1,2,4-Trichlorobenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:37	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:37	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		06/15/19 18:37	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:37	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:37	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 18:37	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 18:37	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		06/15/19 18:37	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:37	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:37	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:37	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		06/15/19 18:37	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		06/15/19 18:37	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:37	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		06/15/19 18:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		06/15/19 18:37	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		06/15/19 18:37	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		06/15/19 18:37	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 18:37	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 18:37	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		06/15/19 18:37	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 18:37	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		06/15/19 18:37	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		06/15/19 18:37	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		06/15/19 18:37	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-209 **Lab ID: 10477997002** Collected: 06/04/19 13:00 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:37	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		06/15/19 18:37	75-00-3	
Chloroform	**<0.45**	ug/L	1.0	0.45	1		06/15/19 18:37	67-66-3	
Chloromethane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 18:37	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		06/15/19 18:37	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		06/15/19 18:37	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 18:37	75-71-8	
Diethyl ether (Ethyl ether)	**<0.095**	ug/L	4.0	0.095	1		06/15/19 18:37	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.31**	ug/L	1.0	0.31	1		06/15/19 18:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		06/15/19 18:37	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:37	1634-04-4	
Methylene Chloride	**<0.98**	ug/L	4.0	0.98	1		06/15/19 18:37	75-09-2	
Naphthalene	**<0.48**	ug/L	4.0	0.48	1		06/15/19 18:37	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		06/15/19 18:37	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:37	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		06/15/19 18:37	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		06/15/19 18:37	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		06/15/19 18:37	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 18:37	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		06/15/19 18:37	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		06/15/19 18:37	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:37	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		06/15/19 18:37	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:37	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 18:37	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:37	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:37	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:37	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:37	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		06/15/19 18:37	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		06/15/19 18:37	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1		06/15/19 18:37	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1		06/15/19 18:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-210 **Lab ID: 10477997003** Collected: 06/04/19 13:40 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		06/13/19 23:54		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	50-150		1		06/13/19 23:54	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	06/10/19 14:10	06/12/19 11:34	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	06/12/19 15:57	06/13/19 14:37	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:54	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:54	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		06/15/19 18:54	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		06/15/19 18:54	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:54	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:54	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:54	563-58-6	
1,2,3-Trichlorobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 18:54	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		06/15/19 18:54	96-18-4	
1,2,4-Trichlorobenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:54	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 18:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		06/15/19 18:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:54	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:54	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 18:54	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 18:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		06/15/19 18:54	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:54	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:54	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:54	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		06/15/19 18:54	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		06/15/19 18:54	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:54	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		06/15/19 18:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		06/15/19 18:54	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		06/15/19 18:54	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		06/15/19 18:54	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 18:54	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 18:54	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		06/15/19 18:54	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 18:54	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		06/15/19 18:54	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		06/15/19 18:54	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		06/15/19 18:54	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-210 **Lab ID: 10477997003** Collected: 06/04/19 13:40 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:54	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		06/15/19 18:54	75-00-3	
Chloroform	**<0.45**	ug/L	1.0	0.45	1		06/15/19 18:54	67-66-3	
Chloromethane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 18:54	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		06/15/19 18:54	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		06/15/19 18:54	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 18:54	75-71-8	
Diethyl ether (Ethyl ether)	**<0.095**	ug/L	4.0	0.095	1		06/15/19 18:54	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 18:54	100-41-4	
Hexachloro-1,3-butadiene	**<0.31**	ug/L	1.0	0.31	1		06/15/19 18:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		06/15/19 18:54	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		06/15/19 18:54	1634-04-4	
Methylene Chloride	**<0.98**	ug/L	4.0	0.98	1		06/15/19 18:54	75-09-2	
Naphthalene	**<0.48**	ug/L	4.0	0.48	1		06/15/19 18:54	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		06/15/19 18:54	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 18:54	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		06/15/19 18:54	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		06/15/19 18:54	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		06/15/19 18:54	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 18:54	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		06/15/19 18:54	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		06/15/19 18:54	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:54	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		06/15/19 18:54	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:54	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 18:54	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:54	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:54	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 18:54	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 18:54	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		06/15/19 18:54	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		06/15/19 18:54	17060-07-0	
Toluene-d8 (S)	95	%.	75-125		1		06/15/19 18:54	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		06/15/19 18:54	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-213 **Lab ID: 10477997004** Collected: 06/04/19 14:25 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		06/14/19 00:11		
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	50-150		1		06/14/19 00:11	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.8J**	ug/L	10.0	2.0	1	06/10/19 14:10	06/12/19 11:35	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	06/12/19 15:57	06/13/19 14:40	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:11	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		06/15/19 19:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:11	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		06/15/19 19:11	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		06/15/19 19:11	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:11	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:11	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:11	563-58-6	
1,2,3-Trichlorobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 19:11	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		06/15/19 19:11	96-18-4	
1,2,4-Trichlorobenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:11	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		06/15/19 19:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		06/15/19 19:11	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 19:11	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 19:11	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 19:11	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		06/15/19 19:11	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:11	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:11	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:11	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		06/15/19 19:11	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		06/15/19 19:11	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:11	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		06/15/19 19:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		06/15/19 19:11	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		06/15/19 19:11	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		06/15/19 19:11	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 19:11	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 19:11	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		06/15/19 19:11	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 19:11	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		06/15/19 19:11	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		06/15/19 19:11	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		06/15/19 19:11	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-213 **Lab ID: 10477997004** Collected: 06/04/19 14:25 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:11	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		06/15/19 19:11	75-00-3	
Chloroform	**<0.45**	ug/L	1.0	0.45	1		06/15/19 19:11	67-66-3	
Chloromethane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 19:11	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		06/15/19 19:11	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		06/15/19 19:11	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 19:11	75-71-8	
Diethyl ether (Ethyl ether)	**<0.095**	ug/L	4.0	0.095	1		06/15/19 19:11	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 19:11	100-41-4	
Hexachloro-1,3-butadiene	**<0.31**	ug/L	1.0	0.31	1		06/15/19 19:11	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		06/15/19 19:11	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:11	1634-04-4	
Methylene Chloride	**<0.98**	ug/L	4.0	0.98	1		06/15/19 19:11	75-09-2	
Naphthalene	**<0.48**	ug/L	4.0	0.48	1		06/15/19 19:11	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		06/15/19 19:11	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:11	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		06/15/19 19:11	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		06/15/19 19:11	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		06/15/19 19:11	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 19:11	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		06/15/19 19:11	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		06/15/19 19:11	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:11	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		06/15/19 19:11	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 19:11	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 19:11	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:11	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:11	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:11	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 19:11	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		06/15/19 19:11	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		06/15/19 19:11	17060-07-0	
Toluene-d8 (S)	95	%.	75-125		1		06/15/19 19:11	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		06/15/19 19:11	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-214 **Lab ID: 10477997005** Collected: 06/04/19 15:20 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		06/14/19 00:27		
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	50-150		1		06/14/19 00:27	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.3J**	ug/L	10.0	2.0	1	06/10/19 14:10	06/12/19 11:37	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**2.3J**	ug/L	10.0	2.0	1	06/12/19 15:57	06/13/19 14:43	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:27	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		06/15/19 19:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:27	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		06/15/19 19:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		06/15/19 19:27	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:27	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:27	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:27	563-58-6	
1,2,3-Trichlorobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 19:27	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		06/15/19 19:27	96-18-4	
1,2,4-Trichlorobenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:27	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		06/15/19 19:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		06/15/19 19:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		06/15/19 19:27	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 19:27	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 19:27	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 19:27	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		06/15/19 19:27	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:27	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:27	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:27	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		06/15/19 19:27	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		06/15/19 19:27	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:27	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		06/15/19 19:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		06/15/19 19:27	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		06/15/19 19:27	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		06/15/19 19:27	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 19:27	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		06/15/19 19:27	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		06/15/19 19:27	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		06/15/19 19:27	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		06/15/19 19:27	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		06/15/19 19:27	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		06/15/19 19:27	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: MW-214 **Lab ID: 10477997005** Collected: 06/04/19 15:20 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:27	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		06/15/19 19:27	75-00-3	
Chloroform	**<0.45**	ug/L	1.0	0.45	1		06/15/19 19:27	67-66-3	
Chloromethane	**<0.16**	ug/L	4.0	0.16	1		06/15/19 19:27	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		06/15/19 19:27	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		06/15/19 19:27	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 19:27	75-71-8	
Diethyl ether (Ethyl ether)	**<0.095**	ug/L	4.0	0.095	1		06/15/19 19:27	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		06/15/19 19:27	100-41-4	
Hexachloro-1,3-butadiene	**<0.31**	ug/L	1.0	0.31	1		06/15/19 19:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		06/15/19 19:27	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		06/15/19 19:27	1634-04-4	
Methylene Chloride	**<0.98**	ug/L	4.0	0.98	1		06/15/19 19:27	75-09-2	
Naphthalene	**<0.48**	ug/L	4.0	0.48	1		06/15/19 19:27	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		06/15/19 19:27	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		06/15/19 19:27	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		06/15/19 19:27	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		06/15/19 19:27	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		06/15/19 19:27	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		06/15/19 19:27	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		06/15/19 19:27	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		06/15/19 19:27	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:27	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		06/15/19 19:27	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 19:27	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 19:27	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:27	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:27	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		06/15/19 19:27	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/15/19 19:27	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		06/15/19 19:27	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		06/15/19 19:27	17060-07-0	
Toluene-d8 (S)	95	%.	75-125		1		06/15/19 19:27	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		06/15/19 19:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Sample: Trip Blank **Lab ID: 10477997006** Collected: 06/04/19 17:00 Received: 06/06/19 07:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		06/15/19 16:06	71-43-2	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		06/15/19 16:06	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1		06/15/19 16:06	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1		06/15/19 16:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

QC Batch: 612820 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

METHOD BLANK: 3311177 Matrix: Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<38.3	100	38.3	06/13/19 19:58	
a,a,a-Trifluorotoluene (S)	%.	95	50-150		06/13/19 19:58	

METHOD BLANK: 3311178 Matrix: Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<38.3	100	38.3	06/13/19 20:15	
a,a,a-Trifluorotoluene (S)	%.	98	50-150		06/13/19 20:15	

LABORATORY CONTROL SAMPLE & LCSD: 3311179 3311180

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1040	1020	104	102	75-125	2	20	
a,a,a-Trifluorotoluene (S)	%.				110	104	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3314127 3314128

Parameter	Units	10478684002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1040	1090	104	109	75-125	5	30	
a,a,a-Trifluorotoluene (S)	%.						103	105	50-150			

SAMPLE DUPLICATE: 3314126

Parameter	Units	10478576006 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<38.3	<38.3		30	
a,a,a-Trifluorotoluene (S)	%.	88	98			

SAMPLE DUPLICATE: 3314129

Parameter	Units	10477997001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<38.3	<38.3		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

SAMPLE DUPLICATE: 3314129

Parameter	Units	10477997001 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	90	93			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

QC Batch: 611569 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010 Analysis Description: 6010D Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

METHOD BLANK: 3304540 Matrix: Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	<2.0	10.0	2.0	06/12/19 11:03	

LABORATORY CONTROL SAMPLE: 3304541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	1030	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3304542 3304543

Parameter	Units	10478098001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	98.7	1000	1000	1070	1060	97	96	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

QC Batch: 612401 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010 Analysis Description: 6010D Water Dissolved
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

METHOD BLANK: 3308865 Matrix: Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.0	10.0	2.0	06/13/19 13:59	

LABORATORY CONTROL SAMPLE: 3308866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	949	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3308867 3308868

Parameter	Units	10478338001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<2.0	1000	1000	950	960	95	96	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

QC Batch: 613151 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005, 10477997006

METHOD BLANK: 3313524 Matrix: Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005, 10477997006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.20	1.0	0.20	06/15/19 14:43	
1,1,1-Trichloroethane	ug/L	<0.14	1.0	0.14	06/15/19 14:43	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	1.0	0.17	06/15/19 14:43	
1,1,2-Trichloroethane	ug/L	<0.18	1.0	0.18	06/15/19 14:43	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	1.0	0.47	06/15/19 14:43	
1,1-Dichloroethane	ug/L	<0.17	1.0	0.17	06/15/19 14:43	
1,1-Dichloroethene	ug/L	<0.16	1.0	0.16	06/15/19 14:43	
1,1-Dichloropropene	ug/L	<0.20	1.0	0.20	06/15/19 14:43	
1,2,3-Trichlorobenzene	ug/L	<0.21	1.0	0.21	06/15/19 14:43	
1,2,3-Trichloropropane	ug/L	<0.26	4.0	0.26	06/15/19 14:43	
1,2,4-Trichlorobenzene	ug/L	<0.20	1.0	0.20	06/15/19 14:43	
1,2,4-Trimethylbenzene	ug/L	<0.20	1.0	0.20	06/15/19 14:43	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	4.0	1.7	06/15/19 14:43	
1,2-Dibromoethane (EDB)	ug/L	<0.24	1.0	0.24	06/15/19 14:43	
1,2-Dichlorobenzene	ug/L	<0.14	1.0	0.14	06/15/19 14:43	
1,2-Dichloroethane	ug/L	<0.22	1.0	0.22	06/15/19 14:43	
1,2-Dichloropropane	ug/L	<0.16	4.0	0.16	06/15/19 14:43	
1,3,5-Trimethylbenzene	ug/L	<0.12	1.0	0.12	06/15/19 14:43	
1,3-Dichlorobenzene	ug/L	<0.16	1.0	0.16	06/15/19 14:43	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	06/15/19 14:43	
1,4-Dichlorobenzene	ug/L	<0.17	1.0	0.17	06/15/19 14:43	
2,2-Dichloropropane	ug/L	<0.17	4.0	0.17	06/15/19 14:43	
2-Butanone (MEK)	ug/L	<0.99	5.0	0.99	06/15/19 14:43	
2-Chlorotoluene	ug/L	<0.16	1.0	0.16	06/15/19 14:43	
4-Chlorotoluene	ug/L	<0.13	1.0	0.13	06/15/19 14:43	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	5.0	0.42	06/15/19 14:43	
Acetone	ug/L	<9.2	20.0	9.2	06/15/19 14:43	
Allyl chloride	ug/L	<0.29	4.0	0.29	06/15/19 14:43	
Benzene	ug/L	<0.10	1.0	0.10	06/15/19 14:43	
Bromobenzene	ug/L	<0.21	1.0	0.21	06/15/19 14:43	
Bromochloromethane	ug/L	<0.27	1.0	0.27	06/15/19 14:43	
Bromodichloromethane	ug/L	<0.22	1.0	0.22	06/15/19 14:43	
Bromoform	ug/L	<0.80	4.0	0.80	06/15/19 14:43	
Bromomethane	ug/L	<1.8	4.0	1.8	06/15/19 14:43	
Carbon tetrachloride	ug/L	<0.19	1.0	0.19	06/15/19 14:43	
Chlorobenzene	ug/L	<0.17	1.0	0.17	06/15/19 14:43	
Chloroethane	ug/L	<0.49	1.0	0.49	06/15/19 14:43	
Chloroform	ug/L	<0.45	1.0	0.45	06/15/19 14:43	
Chloromethane	ug/L	<0.16	4.0	0.16	06/15/19 14:43	
cis-1,2-Dichloroethene	ug/L	<0.15	1.0	0.15	06/15/19 14:43	
cis-1,3-Dichloropropene	ug/L	<0.20	4.0	0.20	06/15/19 14:43	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

METHOD BLANK: 3313524 Matrix: Water
Associated Lab Samples: 10477997001, 10477997002, 10477997003, 10477997004, 10477997005, 10477997006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.46	1.0	0.46	06/15/19 14:43	
Dibromomethane	ug/L	<0.39	4.0	0.39	06/15/19 14:43	
Dichlorodifluoromethane	ug/L	<0.23	1.0	0.23	06/15/19 14:43	
Diethyl ether (Ethyl ether)	ug/L	<0.095	4.0	0.095	06/15/19 14:43	
Ethylbenzene	ug/L	<0.14	1.0	0.14	06/15/19 14:43	
Hexachloro-1,3-butadiene	ug/L	0.77J	1.0	0.31	06/15/19 14:43	
Isopropylbenzene (Cumene)	ug/L	<0.18	1.0	0.18	06/15/19 14:43	
Methyl-tert-butyl ether	ug/L	<0.16	1.0	0.16	06/15/19 14:43	
Methylene Chloride	ug/L	<0.98	4.0	0.98	06/15/19 14:43	
n-Butylbenzene	ug/L	<0.24	1.0	0.24	06/15/19 14:43	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	06/15/19 14:43	
Naphthalene	ug/L	<0.48	4.0	0.48	06/15/19 14:43	
p-Isopropyltoluene	ug/L	<0.15	1.0	0.15	06/15/19 14:43	
sec-Butylbenzene	ug/L	<0.15	1.0	0.15	06/15/19 14:43	
Styrene	ug/L	<0.19	1.0	0.19	06/15/19 14:43	
tert-Butylbenzene	ug/L	<0.15	1.0	0.15	06/15/19 14:43	
Tetrachloroethene	ug/L	<0.17	1.0	0.17	06/15/19 14:43	
Tetrahydrofuran	ug/L	<2.2	10.0	2.2	06/15/19 14:43	
Toluene	ug/L	<0.083	1.0	0.083	06/15/19 14:43	
trans-1,2-Dichloroethene	ug/L	<0.24	1.0	0.24	06/15/19 14:43	
trans-1,3-Dichloropropene	ug/L	<0.18	4.0	0.18	06/15/19 14:43	
Trichloroethene	ug/L	<0.15	0.40	0.15	06/15/19 14:43	
Trichlorofluoromethane	ug/L	<0.23	1.0	0.23	06/15/19 14:43	
Vinyl chloride	ug/L	<0.092	0.20	0.092	06/15/19 14:43	
Xylene (Total)	ug/L	<0.31	3.0	0.31	06/15/19 14:43	
1,2-Dichloroethane-d4 (S)	%.	101	75-125		06/15/19 14:43	
4-Bromofluorobenzene (S)	%.	102	75-125		06/15/19 14:43	
Toluene-d8 (S)	%.	95	75-125		06/15/19 14:43	

LABORATORY CONTROL SAMPLE: 3313525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	105	75-125	
1,1,1-Trichloroethane	ug/L	20	22.1	111	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	104	71-128	
1,1,2-Trichloroethane	ug/L	20	22.9	115	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.2	111	73-125	
1,1-Dichloroethane	ug/L	20	22.3	111	75-125	
1,1-Dichloroethene	ug/L	20	23.4	117	69-125	
1,1-Dichloropropene	ug/L	20	23.0	115	73-125	
1,2,3-Trichlorobenzene	ug/L	20	21.8	109	70-129	
1,2,3-Trichloropropane	ug/L	20	21.3	106	75-125	
1,2,4-Trichlorobenzene	ug/L	20	21.9	109	71-126	
1,2,4-Trimethylbenzene	ug/L	20	21.9	109	73-127	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

LABORATORY CONTROL SAMPLE: 3313525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	47.8	96	66-127	
1,2-Dibromoethane (EDB)	ug/L	20	22.8	114	75-125	
1,2-Dichlorobenzene	ug/L	20	21.8	109	75-125	
1,2-Dichloroethane	ug/L	20	21.7	109	71-125	
1,2-Dichloropropane	ug/L	20	23.8	119	72-125	
1,3,5-Trimethylbenzene	ug/L	20	21.7	109	75-125	
1,3-Dichlorobenzene	ug/L	20	21.7	109	75-125	
1,3-Dichloropropane	ug/L	20	22.5	112	75-125	
1,4-Dichlorobenzene	ug/L	20	21.6	108	75-125	
2,2-Dichloropropane	ug/L	20	23.3	116	65-127	
2-Butanone (MEK)	ug/L	100	95.4	95	74-125	
2-Chlorotoluene	ug/L	20	21.6	108	74-125	
4-Chlorotoluene	ug/L	20	22.5	113	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	75-132	
Acetone	ug/L	100	75.0	75	30-150	
Allyl chloride	ug/L	20	22.0	110	75-125	
Benzene	ug/L	20	22.3	111	75-125	
Bromobenzene	ug/L	20	23.3	116	75-125	
Bromochloromethane	ug/L	20	22.5	112	74-126	
Bromodichloromethane	ug/L	20	21.9	110	75-125	
Bromoform	ug/L	20	21.8	109	74-125	
Bromomethane	ug/L	20	19.0	95	30-150	
Carbon tetrachloride	ug/L	20	22.5	112	70-125	
Chlorobenzene	ug/L	20	21.6	108	75-125	
Chloroethane	ug/L	20	19.0	95	64-129	
Chloroform	ug/L	20	21.2	106	75-125	
Chloromethane	ug/L	20	23.3	116	67-125	
cis-1,2-Dichloroethene	ug/L	20	22.1	110	73-125	
cis-1,3-Dichloropropene	ug/L	20	22.3	111	75-125	
Dibromochloromethane	ug/L	20	21.5	107	75-125	
Dibromomethane	ug/L	20	23.7	118	75-125	
Dichlorodifluoromethane	ug/L	20	20.6	103	65-129	
Diethyl ether (Ethyl ether)	ug/L	20	21.9	109	74-125	
Ethylbenzene	ug/L	20	23.1	115	75-125	
Hexachloro-1,3-butadiene	ug/L	20	25.0	125	66-137	
Isopropylbenzene (Cumene)	ug/L	20	22.1	110	75-125	
Methyl-tert-butyl ether	ug/L	20	21.7	108	75-125	
Methylene Chloride	ug/L	20	21.3	107	72-125	
n-Butylbenzene	ug/L	20	21.8	109	69-132	
n-Propylbenzene	ug/L	20	22.5	112	74-125	
Naphthalene	ug/L	20	20.5	103	63-125	
p-Isopropyltoluene	ug/L	20	22.2	111	75-125	
sec-Butylbenzene	ug/L	20	21.8	109	75-125	
Styrene	ug/L	20	23.2	116	75-125	
tert-Butylbenzene	ug/L	20	21.9	109	75-125	
Tetrachloroethene	ug/L	20	23.1	116	75-125	
Tetrahydrofuran	ug/L	200	177	88	30-150	

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

LABORATORY CONTROL SAMPLE: 3313525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.5	107	75-125	
trans-1,2-Dichloroethene	ug/L	20	22.0	110	70-125	
trans-1,3-Dichloropropene	ug/L	20	21.5	107	75-125	
Trichloroethene	ug/L	20	23.1	115	74-125	
Trichlorofluoromethane	ug/L	20	19.7	99	74-125	
Vinyl chloride	ug/L	20	20.9	105	71-125	
Xylene (Total)	ug/L	60	70.3	117	75-125	
1,2-Dichloroethane-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			103	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3313534 3313535

Parameter	Units	10477997001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.20	20	20	19.3	20.4	97	102	30-150	5	30	
1,1,1-Trichloroethane	ug/L	<0.14	20	20	23.8	24.6	119	123	30-150	3	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	20	20	19.7	21.6	98	108	30-150	9	30	
1,1,2-Trichloroethane	ug/L	<0.18	20	20	20.8	22.3	104	111	30-150	7	30	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	20	20	25.1	25.3	125	126	30-150	1	30	
1,1-Dichloroethane	ug/L	<0.17	20	20	23.4	23.9	117	120	30-150	2	30	
1,1-Dichloroethene	ug/L	<0.16	20	20	26.4	26.6	132	133	30-150	1	30	
1,1-Dichloropropene	ug/L	<0.20	20	20	24.4	25.7	122	129	30-150	5	30	
1,2,3-Trichlorobenzene	ug/L	<0.21	20	20	22.1	25.5	110	127	30-150	14	30	
1,2,3-Trichloropropane	ug/L	<0.26	20	20	20.4	21.9	102	109	30-150	7	30	
1,2,4-Trichlorobenzene	ug/L	<0.20	20	20	21.7	25.8	109	129	30-150	17	30	
1,2,4-Trimethylbenzene	ug/L	<0.20	20	20	21.3	24.3	107	122	30-150	13	30	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	47.0	49.5	94	99	30-150	5	30	
1,2-Dibromoethane (EDB)	ug/L	<0.24	20	20	21.1	22.0	105	110	30-150	4	30	
1,2-Dichlorobenzene	ug/L	<0.14	20	20	20.3	23.4	102	117	30-150	14	30	
1,2-Dichloroethane	ug/L	<0.22	20	20	21.4	22.6	107	113	30-150	5	30	
1,2-Dichloropropane	ug/L	<0.16	20	20	23.5	25.0	118	125	30-150	6	30	
1,3,5-Trimethylbenzene	ug/L	<0.12	20	20	21.9	25.4	109	127	30-150	15	30	
1,3-Dichlorobenzene	ug/L	<0.16	20	20	20.7	23.7	103	118	30-150	13	30	
1,3-Dichloropropane	ug/L	<0.17	20	20	20.5	22.0	103	110	30-150	7	30	
1,4-Dichlorobenzene	ug/L	<0.17	20	20	20.6	22.9	103	115	30-150	11	30	
2,2-Dichloropropane	ug/L	<0.17	20	20	27.4	27.9	137	140	30-150	2	30	
2-Butanone (MEK)	ug/L	<0.99	100	100	75.1	81.8	75	82	30-150	9	30	
2-Chlorotoluene	ug/L	<0.16	20	20	21.6	24.6	108	123	30-150	13	30	
4-Chlorotoluene	ug/L	<0.13	20	20	21.6	23.8	108	119	30-150	10	30	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	100	100	96.4	102	96	102	30-150	6	30	
Acetone	ug/L	<9.2	100	100	59.6	64.0	60	64	30-150	7	30	
Allyl chloride	ug/L	<0.29	20	20	22.9	23.7	114	118	30-147	3	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3313534 3313535

Parameter	Units	10477997001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.10	20	20	23.4	23.9	117	120	30-150	2	30	
Bromobenzene	ug/L	<0.21	20	20	22.7	24.8	113	124	30-150	9	30	
Bromochloromethane	ug/L	<0.27	20	20	20.2	22.0	101	110	30-150	9	30	
Bromodichloromethane	ug/L	<0.22	20	20	21.5	22.6	108	113	30-150	5	30	
Bromoform	ug/L	<0.80	20	20	20.0	21.0	100	105	30-150	5	30	
Bromomethane	ug/L	<1.8	20	20	19.9	18.5	99	93	30-150	7	30	
Carbon tetrachloride	ug/L	<0.19	20	20	24.0	25.8	120	129	30-150	7	30	
Chlorobenzene	ug/L	<0.17	20	20	21.1	22.3	106	111	30-150	5	30	
Chloroethane	ug/L	<0.49	20	20	22.4	21.5	112	108	30-150	4	30	
Chloroform	ug/L	<0.45	20	20	21.1	21.8	106	109	30-150	3	30	
Chloromethane	ug/L	<0.16	20	20	26.0	25.0	130	125	30-150	4	30	
cis-1,2-Dichloroethene	ug/L	<0.15	20	20	23.3	24.2	116	121	30-150	4	30	
cis-1,3-Dichloropropene	ug/L	<0.20	20	20	21.5	23.3	107	117	30-145	8	30	
Dibromochloromethane	ug/L	<0.46	20	20	20.3	21.2	102	106	30-150	4	30	
Dibromomethane	ug/L	<0.39	20	20	23.1	24.6	116	123	30-150	6	30	
Dichlorodifluoromethane	ug/L	<0.23	20	20	26.0	24.7	130	123	30-150	5	30	
Diethyl ether (Ethyl ether)	ug/L	<0.095	20	20	22.0	23.0	110	115	30-150	5	30	
Ethylbenzene	ug/L	<0.14	20	20	23.6	24.9	118	124	30-150	5	30	
Hexachloro-1,3-butadiene	ug/L	<0.31	20	20	30.3	29.8	151	149	30-150	2	30	M1
Isopropylbenzene (Cumene)	ug/L	0.65J	20	20	23.6	25.6	115	125	30-150	8	30	
Methyl-tert-butyl ether	ug/L	<0.16	20	20	21.1	22.2	106	111	30-150	5	30	
Methylene Chloride	ug/L	<0.98	20	20	20.7	22.0	103	110	30-146	6	30	
n-Butylbenzene	ug/L	<0.24	20	20	23.7	26.9	118	134	30-150	13	30	
n-Propylbenzene	ug/L	<0.10	20	20	22.8	25.9	114	129	30-150	13	30	
Naphthalene	ug/L	1.1J	20	20	23.2	25.7	110	123	30-150	10	30	
p-Isopropyltoluene	ug/L	<0.15	20	20	22.4	25.7	112	128	30-150	13	30	
sec-Butylbenzene	ug/L	<0.15	20	20	23.0	26.6	115	133	30-150	15	30	
Styrene	ug/L	<0.19	20	20	22.1	23.7	111	118	30-150	7	30	
tert-Butylbenzene	ug/L	<0.15	20	20	22.8	25.5	114	128	30-150	11	30	
Tetrachloroethene	ug/L	<0.17	20	20	23.4	24.6	117	123	30-150	5	30	
Tetrahydrofuran	ug/L	<2.2	200	200	167	175	84	88	30-150	4	30	
Toluene	ug/L	<0.083	20	20	21.6	22.3	108	111	30-150	3	30	
trans-1,2-Dichloroethene	ug/L	<0.24	20	20	24.5	24.8	123	124	30-150	1	30	
trans-1,3-Dichloropropene	ug/L	<0.18	20	20	20.2	21.3	101	107	30-150	5	30	
Trichloroethene	ug/L	<0.15	20	20	24.8	25.9	124	129	30-150	4	30	
Trichlorofluoromethane	ug/L	<0.23	20	20	25.3	24.1	126	120	30-150	5	30	
Vinyl chloride	ug/L	<0.092	20	20	25.2	24.5	126	123	30-150	3	30	
Xylene (Total)	ug/L	<0.31	60	60	70.2	74.8	117	125	30-150	6	30	
1,2-Dichloroethane-d4 (S)	%.						105	104	75-125			
4-Bromofluorobenzene (S)	%.						102	102	75-125			
Toluene-d8 (S)	%.						98	96	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Parameter	Matrix	Analytical Method	Preparation Method
8260B VOC	Water	SW-846 8260B/5030B	N/A

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000073 P66-Westlake
Pace Project No.: 10477997

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10477997001	**MW-50**	NWTPH-Gx	612820		
10477997002	**MW-209**	NWTPH-Gx	612820		
10477997003	**MW-210**	NWTPH-Gx	612820		
10477997004	**MW-213**	NWTPH-Gx	612820		
10477997005	**MW-214**	NWTPH-Gx	612820		
10477997001	**MW-50**	EPA 3010	611569	EPA 6010D	611981
10477997002	**MW-209**	EPA 3010	611569	EPA 6010D	611981
10477997003	**MW-210**	EPA 3010	611569	EPA 6010D	611981
10477997004	**MW-213**	EPA 3010	611569	EPA 6010D	611981
10477997005	**MW-214**	EPA 3010	611569	EPA 6010D	611981
10477997001	**MW-50**	EPA 3010	612401	EPA 6010D	612561
10477997002	**MW-209**	EPA 3010	612401	EPA 6010D	612561
10477997003	**MW-210**	EPA 3010	612401	EPA 6010D	612561
10477997004	**MW-213**	EPA 3010	612401	EPA 6010D	612561
10477997005	**MW-214**	EPA 3010	612401	EPA 6010D	612561
10477997001	**MW-50**	EPA 8260B	613151		
10477997002	**MW-209**	EPA 8260B	613151		
10477997003	**MW-210**	EPA 8260B	613151		
10477997004	**MW-213**	EPA 8260B	613151		
10477997005	**MW-214**	EPA 8260B	613151		
10477997006	**Trip Blank**	EPA 8260B	613151		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

WO# : 10477997

10477997

1 of 1

2285852

Section A — Required Client Information:

Company:	ATC Group Services LLC
Address:	6347 Seaview Ave. NW
	Seattle, WA 98107
Email To:	Elisabeth.Silver@atcgs.com
Phone: (206) 781-1499	Fax:
Requested Due Date/TAT:	Standard

Section B — Required Project Information:

Report To:	Elisabeth Silver
Copy To:	
Purchase Order No.:	
Project Name:	P66 – Westlake – AOC 1396
Project Number:	Z076000073

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	39525 12

☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ____

Site Location STATE: ____

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Gx	BTEX	Total Lead	Dissolved lead (field filt.)	VOCs	Benzene	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-50			06-04-19	1605				8			2	6					X	X	X	X	X			
2	MW-209			06-04-19	1300				8			2	6					X	X	X	X	X			
3	MW-210			06-04-19	1340				8			2	6					X	X	X	X	X			
4	MW-213			06-04-19	1425				8			2	6					X	X	X	X	X			
5	MW-214			06-04-19	1520				8			2	6					X	X	X	X	X			
6	TRIP BLANK			06-04-19	17:00				48			2	6										X		
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	B. Gault ATC	06-05-19	09:35		6-5-19	1435	—	Y	N	Y
		6-5	1700	IS-PACE	6/6/19	9:40	-0.7	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aynalem Degefa

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 06-04-19

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 09May2019 Page 1 of 1
	Document No.: F-MN-L-213-rev.28	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: ATC

Project #: WO#: 10477997

PM: JMG **Due Date:** 06/19/19

CLIENT: ATC_WA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 7477 0630 3418

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☒ Yes ☐ No

Thermometer: ☐ T1(0461) ☒ T2(1336) ☐ T3(0459) ☐ T4(0254) ☐ T5(0489) **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 0.6 °C **Average Corrected Temp (no temp blank only):** °C **See Exceptions** ☐

Correction Factor: +0.1 **Cooler Temp Corrected w/temp blank** 0.7 °C

USDA Regulated Soil: (☒ N/A, water sample/Other:_____)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Date/Initials of Person Examining Contents: 6/6/19 IJ

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒ Yes	☐ No		1.
Chain of Custody Relinquished?	☒ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☒ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☒ No		6.
Sufficient Volume?	☒ Yes	☐ No		7.
Correct Containers Used?	☒ Yes	☐ No		8.
-Pace Containers Used?	☐ Yes	☐ No		
Containers Intact?	☒ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☒ Yes	☐ No	☐ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☒ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐
Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	12. Sample # 1-8:7/2
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☒ Yes	☐ No	☐ N/A	☐ NaOH ☒ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: ~~VOA~~, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** 203619 **See Exception** ☐
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☒ No	☐ N/A	13. **See Exception** ☐
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	14. Pace Trip Blank Lot # (if purchased): 211058
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted:_____ Date/Time:_____

Comments/Resolution:_____

Project Manager Review: Jenni Gross **Date:** 06/06/19

Note: Whenever there is a discrepancy affecting North Carolina samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect cor...).

Labeled by: IJ

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

January 07, 2020

Elisabeth Silver
ATC Group Services LLC
6347 Seaview Ave NW
Seattle, WA 98107

RE: Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Dear Elisabeth Silver:
Enclosed are the analytical results for sample(s) received by the laboratory on December 20, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10503454001	**MW-216**	Water	12/18/19 10:15	12/20/19 11:25
10503454002	**MW-217**	Water	12/18/19 15:55	12/20/19 11:25
10503454003	**MW-218**	Water	12/18/19 13:00	12/20/19 11:25
10503454004	**MW-213**	Water	12/18/19 15:15	12/20/19 11:25
10503454005	**MW-215**	Water	12/18/19 15:55	12/20/19 11:25
10503454006	**MW-209**	Water	12/19/19 12:50	12/20/19 11:25
10503454007	**MW-211**	Water	12/19/19 17:35	12/20/19 11:25
10503454008	**MWR-6**	Water	12/19/19 10:30	12/20/19 11:25
10503454009	**Trip Blank**	Water	12/19/19 13:00	12/20/19 11:25

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SAMPLE ANALYTE COUNT

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10503454001	**MW-216**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
10503454002	**MW-217**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
10503454003	**MW-218**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
10503454004	**MW-213**	NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	68	PASI-M
10503454005	**MW-215**	NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	68	PASI-M
10503454006	**MW-209**	NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	68	PASI-M
10503454007	**MW-211**	NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	68	PASI-M
10503454008	**MWR-6**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
10503454009	**Trip Blank**	NWTPH-Gx	MJD	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260B	DS2	7	PASI-M

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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-216 **Lab ID: 10503454001** Collected: 12/18/19 10:15 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	**238J**	ug/L	385	63.8	1	12/20/19 15:52	12/22/19 14:58	68334-30-5	
Motor Oil Range	**101J**	ug/L	385	75.3	1	12/20/19 15:52	12/22/19 14:58		
Surrogates									
o-Terphenyl (S)	72	%.	50-150		1	12/20/19 15:52	12/22/19 14:58	84-15-1	
n-Triacontane (S)	79	%.	50-150		1	12/20/19 15:52	12/22/19 14:58	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**93.8J**	ug/L	100	38.3	1		12/20/19 21:41		
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	50-150		1		12/20/19 21:41	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 14:59	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:00	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 18:12	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 18:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:12	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 18:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 18:12	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:12	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:12	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 18:12	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 18:12	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 18:12	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 18:12	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 18:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 18:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 18:12	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 18:12	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 18:12	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 18:12	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/27/19 18:12	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:12	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:12	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:12	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 18:12	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 18:12	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:12	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 18:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 18:12	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 18:12	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 18:12	107-05-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-216 **Lab ID: 10503454001** Collected: 12/18/19 10:15 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 18:12	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 18:12	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 18:12	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 18:12	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 18:12	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 18:12	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 18:12	56-23-5	
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:12	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 18:12	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 18:12	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 18:12	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 18:12	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 18:12	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 18:12	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 18:12	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 18:12	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 18:12	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		12/27/19 18:12	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:12	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 18:12	75-09-2	
Naphthalene	**<1.6**	ug/L	4.0	1.6	1		12/27/19 18:12	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 18:12	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:12	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 18:12	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/27/19 18:12	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 18:12	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 18:12	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 18:12	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/19 18:12	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 18:12	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 18:12	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 18:12	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 18:12	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 18:12	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 18:12	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 18:12	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 18:12	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 18:12	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	116	%.	75-125		1		12/27/19 18:12	17060-07-0	
Toluene-d8 (S)	108	%.	75-125		1		12/27/19 18:12	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		12/27/19 18:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-217 **Lab ID: 10503454002** Collected: 12/18/19 15:55 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	**803**	ug/L	500	82.9	1	12/20/19 15:52	12/22/19 15:09	68334-30-5	
Motor Oil Range	**232J**	ug/L	500	97.9	1	12/20/19 15:52	12/22/19 15:09		
Surrogates									
o-Terphenyl (S)	72	%.	50-150		1	12/20/19 15:52	12/22/19 15:09	84-15-1	
n-Triacontane (S)	72	%.	50-150		1	12/20/19 15:52	12/22/19 15:09	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**322**	ug/L	100	38.3	1		12/20/19 19:08		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	50-150		1		12/20/19 19:08	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:11	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:02	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 18:36	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 18:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:36	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 18:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 18:36	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:36	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:36	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 18:36	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 18:36	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 18:36	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 18:36	120-82-1	
1,2,4-Trimethylbenzene	**2.4**	ug/L	1.0	0.20	1		12/27/19 18:36	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 18:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 18:36	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 18:36	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 18:36	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 18:36	78-87-5	
1,3,5-Trimethylbenzene	**0.80J**	ug/L	1.0	0.12	1		12/27/19 18:36	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:36	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:36	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:36	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 18:36	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 18:36	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:36	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 18:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 18:36	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 18:36	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 18:36	107-05-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-217 **Lab ID: 10503454002** Collected: 12/18/19 15:55 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 18:36	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 18:36	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 18:36	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 18:36	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 18:36	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 18:36	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 18:36	56-23-5	
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:36	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 18:36	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 18:36	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 18:36	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 18:36	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 18:36	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 18:36	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 18:36	60-29-7	
Ethylbenzene	**0.27J**	ug/L	1.0	0.14	1		12/27/19 18:36	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 18:36	87-68-3	
Isopropylbenzene (Cumene)	**2.2**	ug/L	1.0	0.18	1		12/27/19 18:36	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 18:36	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 18:36	75-09-2	
Naphthalene	**1.6J**	ug/L	4.0	1.6	1		12/27/19 18:36	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 18:36	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 18:36	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 18:36	109-99-9	
Toluene	**0.63J**	ug/L	1.0	0.083	1		12/27/19 18:36	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 18:36	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 18:36	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 18:36	75-01-4	
Xylene (Total)	**5.3**	ug/L	3.0	0.31	1		12/27/19 18:36	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 18:36	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 18:36	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 18:36	104-51-8	
n-Propylbenzene	**2.9**	ug/L	1.0	0.10	1		12/27/19 18:36	103-65-1	
p-Isopropyltoluene	**0.24J**	ug/L	1.0	0.15	1		12/27/19 18:36	99-87-6	
sec-Butylbenzene	**0.36J**	ug/L	1.0	0.15	1		12/27/19 18:36	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 18:36	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 18:36	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 18:36	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	110	%.	75-125		1		12/27/19 18:36	17060-07-0	
Toluene-d8 (S)	108	%.	75-125		1		12/27/19 18:36	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1		12/27/19 18:36	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-218 **Lab ID: 10503454003** Collected: 12/18/19 13:00 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	**1020**	ug/L	400	66.3	1	12/20/19 15:52	12/22/19 15:20	68334-30-5	
Motor Oil Range	**243J**	ug/L	400	78.3	1	12/20/19 15:52	12/22/19 15:20		
Surrogates									
o-Terphenyl (S)	73	%.	50-150		1	12/20/19 15:52	12/22/19 15:20	84-15-1	
n-Triacontane (S)	66	%.	50-150		1	12/20/19 15:52	12/22/19 15:20	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**229**	ug/L	100	38.3	1		12/20/19 21:57		
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	50-150		1		12/20/19 21:57	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.0J**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:12	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:04	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:00	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:00	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 19:00	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 19:00	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:00	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:00	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:00	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 19:00	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 19:00	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 19:00	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 19:00	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:00	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:00	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 19:00	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 19:00	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/27/19 19:00	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:00	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:00	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:00	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 19:00	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 19:00	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:00	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 19:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 19:00	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 19:00	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 19:00	107-05-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-218 **Lab ID: 10503454003** Collected: 12/18/19 13:00 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 19:00	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 19:00	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 19:00	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 19:00	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 19:00	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 19:00	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 19:00	56-23-5	
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:00	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 19:00	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 19:00	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 19:00	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 19:00	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 19:00	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 19:00	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 19:00	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:00	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 19:00	87-68-3	
Isopropylbenzene (Cumene)	**0.32J**	ug/L	1.0	0.18	1		12/27/19 19:00	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:00	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 19:00	75-09-2	
Naphthalene	**<1.6**	ug/L	4.0	1.6	1		12/27/19 19:00	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 19:00	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:00	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 19:00	109-99-9	
Toluene	**0.13J**	ug/L	1.0	0.083	1		12/27/19 19:00	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 19:00	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 19:00	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 19:00	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/19 19:00	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:00	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 19:00	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:00	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 19:00	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:00	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:00	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:00	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:00	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 19:00	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	119	%.	75-125		1		12/27/19 19:00	17060-07-0	
Toluene-d8 (S)	108	%.	75-125		1		12/27/19 19:00	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125		1		12/27/19 19:00	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-213 **Lab ID: 10503454004** Collected: 12/18/19 15:15 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		12/20/19 22:14		
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%.	50-150		1		12/20/19 22:14	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**3.8J**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:14	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**2.5J**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:05	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:24	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:24	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 19:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 19:24	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:24	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:24	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:24	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 19:24	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 19:24	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 19:24	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 19:24	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:24	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:24	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 19:24	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 19:24	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/27/19 19:24	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:24	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:24	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:24	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 19:24	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 19:24	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:24	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 19:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 19:24	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 19:24	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 19:24	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 19:24	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 19:24	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 19:24	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 19:24	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 19:24	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 19:24	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 19:24	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-213 **Lab ID: 10503454004** Collected: 12/18/19 15:15 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:24	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 19:24	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 19:24	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 19:24	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 19:24	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 19:24	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 19:24	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 19:24	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:24	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 19:24	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		12/27/19 19:24	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:24	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 19:24	75-09-2	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 19:24	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:24	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 19:24	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/27/19 19:24	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 19:24	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 19:24	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 19:24	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/19 19:24	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:24	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 19:24	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:24	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 19:24	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:24	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:24	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:24	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:24	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 19:24	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	119	%.	75-125		1		12/27/19 19:24	17060-07-0	
Toluene-d8 (S)	107	%.	75-125		1		12/27/19 19:24	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	75-125		1		12/27/19 19:24	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-215 **Lab ID: 10503454005** Collected: 12/18/19 15:55 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		12/20/19 23:39		
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	50-150		1		12/20/19 23:39	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:16	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:07	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:48	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:48	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 19:48	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 19:48	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:48	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:48	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:48	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 19:48	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 19:48	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 19:48	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 19:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 19:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:48	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:48	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 19:48	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 19:48	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/27/19 19:48	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:48	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:48	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:48	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 19:48	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 19:48	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:48	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 19:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 19:48	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 19:48	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 19:48	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 19:48	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 19:48	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 19:48	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 19:48	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 19:48	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 19:48	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 19:48	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-215 **Lab ID: 10503454005** Collected: 12/18/19 15:55 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:48	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 19:48	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 19:48	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 19:48	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 19:48	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 19:48	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 19:48	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 19:48	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 19:48	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 19:48	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		12/27/19 19:48	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 19:48	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 19:48	75-09-2	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 19:48	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 19:48	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 19:48	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/27/19 19:48	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 19:48	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 19:48	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 19:48	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/19 19:48	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:48	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 19:48	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:48	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 19:48	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:48	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:48	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 19:48	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 19:48	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 19:48	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	121	%.	75-125		1		12/27/19 19:48	17060-07-0	
Toluene-d8 (S)	105	%.	75-125		1		12/27/19 19:48	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125		1		12/27/19 19:48	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-209 **Lab ID: 10503454006** Collected: 12/19/19 12:50 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		12/20/19 23:56		
Surrogates									
a,a,a-Trifluorotoluene (S)	88	%.	50-150		1		12/20/19 23:56	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:17	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:12	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 22:17	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 22:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:17	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 22:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 22:17	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:17	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:17	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 22:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 22:17	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 22:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 22:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 22:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 22:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 22:17	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 22:17	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 22:17	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 22:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/27/19 22:17	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:17	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:17	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:17	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 22:17	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 22:17	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:17	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 22:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 22:17	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 22:17	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 22:17	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 22:17	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 22:17	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 22:17	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 22:17	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 22:17	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 22:17	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 22:17	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-209 **Lab ID: 10503454006** Collected: 12/19/19 12:50 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:17	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 22:17	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 22:17	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 22:17	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 22:17	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 22:17	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 22:17	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 22:17	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 22:17	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 22:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		12/27/19 22:17	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:17	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 22:17	75-09-2	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 22:17	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:17	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 22:17	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/27/19 22:17	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 22:17	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 22:17	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 22:17	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/19 22:17	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:17	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 22:17	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 22:17	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 22:17	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:17	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:17	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:17	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 22:17	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 22:17	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%.	75-125		1		12/27/19 22:17	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1		12/27/19 22:17	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1		12/27/19 22:17	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-211 **Lab ID: 10503454007** Collected: 12/19/19 17:35 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		12/21/19 00:13		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	50-150		1		12/21/19 00:13	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:19	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**2.0J**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:14	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/27/19 22:34	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/27/19 22:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:34	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/27/19 22:34	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/27/19 22:34	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:34	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:34	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 22:34	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	1.0	0.47	1		12/27/19 22:34	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/27/19 22:34	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	1.0	0.32	1		12/27/19 22:34	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/27/19 22:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	4.0	1.7	1		12/27/19 22:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/27/19 22:34	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 22:34	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 22:34	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/27/19 22:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/27/19 22:34	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:34	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:34	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:34	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/27/19 22:34	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/27/19 22:34	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:34	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/27/19 22:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/27/19 22:34	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/27/19 22:34	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/27/19 22:34	107-05-1	
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 22:34	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/27/19 22:34	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/27/19 22:34	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/27/19 22:34	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/27/19 22:34	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/27/19 22:34	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/27/19 22:34	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MW-211 **Lab ID: 10503454007** Collected: 12/19/19 17:35 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:34	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/27/19 22:34	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/27/19 22:34	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/27/19 22:34	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/27/19 22:34	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/27/19 22:34	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 22:34	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/27/19 22:34	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/27/19 22:34	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/27/19 22:34	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		12/27/19 22:34	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/27/19 22:34	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/27/19 22:34	75-09-2	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/27/19 22:34	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/27/19 22:34	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/27/19 22:34	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/27/19 22:34	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/27/19 22:34	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/27/19 22:34	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/27/19 22:34	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/19 22:34	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:34	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/27/19 22:34	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 22:34	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/27/19 22:34	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:34	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:34	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/27/19 22:34	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/27/19 22:34	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/27/19 22:34	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	75-125		1		12/27/19 22:34	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		12/27/19 22:34	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1		12/27/19 22:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MWR-6 **Lab ID: 10503454008** Collected: 12/19/19 10:30 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	**205J**	ug/L	500	82.9	1	12/20/19 15:52	12/22/19 15:31	68334-30-5	
Motor Oil Range	**156J**	ug/L	500	97.9	1	12/20/19 15:52	12/22/19 15:31		
Surrogates									
o-Terphenyl (S)	74	%.	50-150		1	12/20/19 15:52	12/22/19 15:31	84-15-1	
n-Triacontane (S)	68	%.	50-150		1	12/20/19 15:52	12/22/19 15:31	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		12/21/19 00:30		
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	50-150		1		12/21/19 00:30	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.9J**	ug/L	10.0	2.0	1	12/27/19 05:20	12/27/19 15:21	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/30/19 12:42	12/31/19 11:16	7439-92-1	
8260B VOC	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/28/19 03:32	630-20-6	
1,1,1-Trichloroethane	**<0.14**	ug/L	1.0	0.14	1		12/28/19 03:32	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	1.0	0.17	1		12/28/19 03:32	79-34-5	
1,1,2-Trichloroethane	**<0.18**	ug/L	1.0	0.18	1		12/28/19 03:32	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.47**	ug/L	1.0	0.47	1		12/28/19 03:32	76-13-1	
1,1-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		12/28/19 03:32	75-34-3	
1,1-Dichloroethene	**<0.16**	ug/L	1.0	0.16	1		12/28/19 03:32	75-35-4	
1,1-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/28/19 03:32	563-58-6	
1,2,3-Trichlorobenzene	**<0.47**	ug/L	4.0	0.47	1		12/28/19 03:32	87-61-6	
1,2,3-Trichloropropane	**<0.26**	ug/L	4.0	0.26	1		12/28/19 03:32	96-18-4	
1,2,4-Trichlorobenzene	**<0.32**	ug/L	4.0	0.32	1		12/28/19 03:32	120-82-1	
1,2,4-Trimethylbenzene	**<0.20**	ug/L	1.0	0.20	1		12/28/19 03:32	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	10.0	1.7	1		12/28/19 03:32	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/L	1.0	0.24	1		12/28/19 03:32	106-93-4	
1,2-Dichlorobenzene	**<0.14**	ug/L	1.0	0.14	1		12/28/19 03:32	95-50-1	
1,2-Dichloroethane	**<0.22**	ug/L	1.0	0.22	1		12/28/19 03:32	107-06-2	
1,2-Dichloropropane	**<0.16**	ug/L	4.0	0.16	1		12/28/19 03:32	78-87-5	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	1.0	0.12	1		12/28/19 03:32	108-67-8	
1,3-Dichlorobenzene	**<0.16**	ug/L	1.0	0.16	1		12/28/19 03:32	541-73-1	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		12/28/19 03:32	142-28-9	
1,4-Dichlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/28/19 03:32	106-46-7	
2,2-Dichloropropane	**<0.17**	ug/L	4.0	0.17	1		12/28/19 03:32	594-20-7	
2-Butanone (MEK)	**<0.99**	ug/L	5.0	0.99	1		12/28/19 03:32	78-93-3	
2-Chlorotoluene	**<0.16**	ug/L	1.0	0.16	1		12/28/19 03:32	95-49-8	
4-Chlorotoluene	**<0.13**	ug/L	1.0	0.13	1		12/28/19 03:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	5.0	0.42	1		12/28/19 03:32	108-10-1	
Acetone	**<9.2**	ug/L	20.0	9.2	1		12/28/19 03:32	67-64-1	
Allyl chloride	**<0.29**	ug/L	4.0	0.29	1		12/28/19 03:32	107-05-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: MWR-6 **Lab ID: 10503454008** Collected: 12/19/19 10:30 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/28/19 03:32	71-43-2	
Bromobenzene	**<0.21**	ug/L	1.0	0.21	1		12/28/19 03:32	108-86-1	
Bromochloromethane	**<0.27**	ug/L	1.0	0.27	1		12/28/19 03:32	74-97-5	
Bromodichloromethane	**<0.22**	ug/L	1.0	0.22	1		12/28/19 03:32	75-27-4	
Bromoform	**<0.80**	ug/L	4.0	0.80	1		12/28/19 03:32	75-25-2	
Bromomethane	**<1.8**	ug/L	4.0	1.8	1		12/28/19 03:32	74-83-9	
Carbon tetrachloride	**<0.19**	ug/L	1.0	0.19	1		12/28/19 03:32	56-23-5	
Chlorobenzene	**<0.17**	ug/L	1.0	0.17	1		12/28/19 03:32	108-90-7	
Chloroethane	**<0.49**	ug/L	1.0	0.49	1		12/28/19 03:32	75-00-3	
Chloroform	**<0.49**	ug/L	4.0	0.49	1		12/28/19 03:32	67-66-3	
Chloromethane	**<0.48**	ug/L	4.0	0.48	1		12/28/19 03:32	74-87-3	
Dibromochloromethane	**<0.46**	ug/L	1.0	0.46	1		12/28/19 03:32	124-48-1	
Dibromomethane	**<0.39**	ug/L	4.0	0.39	1		12/28/19 03:32	74-95-3	
Dichlorodifluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/28/19 03:32	75-71-8	
Diethyl ether (Ethyl ether)	**<0.20**	ug/L	4.0	0.20	1		12/28/19 03:32	60-29-7	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/28/19 03:32	100-41-4	
Hexachloro-1,3-butadiene	**<0.44**	ug/L	1.0	0.44	1		12/28/19 03:32	87-68-3	
Isopropylbenzene (Cumene)	**<0.18**	ug/L	1.0	0.18	1		12/28/19 03:32	98-82-8	
Methyl-tert-butyl ether	**<0.16**	ug/L	1.0	0.16	1		12/28/19 03:32	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	4.0	1.5	1		12/28/19 03:32	75-09-2	
Naphthalene	**<1.6**	ug/L	4.0	1.6	1		12/28/19 03:32	91-20-3	
Styrene	**<0.19**	ug/L	1.0	0.19	1		12/28/19 03:32	100-42-5	
Tetrachloroethene	**<0.17**	ug/L	1.0	0.17	1		12/28/19 03:32	127-18-4	
Tetrahydrofuran	**<2.2**	ug/L	10.0	2.2	1		12/28/19 03:32	109-99-9	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/28/19 03:32	108-88-3	
Trichloroethene	**<0.15**	ug/L	0.40	0.15	1		12/28/19 03:32	79-01-6	
Trichlorofluoromethane	**<0.23**	ug/L	1.0	0.23	1		12/28/19 03:32	75-69-4	
Vinyl chloride	**<0.092**	ug/L	0.20	0.092	1		12/28/19 03:32	75-01-4	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/28/19 03:32	1330-20-7	
cis-1,2-Dichloroethene	**<0.15**	ug/L	1.0	0.15	1		12/28/19 03:32	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	4.0	0.20	1		12/28/19 03:32	10061-01-5	
n-Butylbenzene	**<0.24**	ug/L	1.0	0.24	1		12/28/19 03:32	104-51-8	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		12/28/19 03:32	103-65-1	
p-Isopropyltoluene	**<0.15**	ug/L	1.0	0.15	1		12/28/19 03:32	99-87-6	
sec-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/28/19 03:32	135-98-8	
tert-Butylbenzene	**<0.15**	ug/L	1.0	0.15	1		12/28/19 03:32	98-06-6	
trans-1,2-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/28/19 03:32	156-60-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	4.0	0.18	1		12/28/19 03:32	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	75-125		1		12/28/19 03:32	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		12/28/19 03:32	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1		12/28/19 03:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Sample: Trip Blank **Lab ID: 10503454009** Collected: 12/19/19 13:00 Received: 12/20/19 11:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		12/21/19 01:54		
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%.	50-150		1		12/21/19 01:54	98-08-8	
8260B VOC	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/28/19 02:22	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/28/19 02:22	100-41-4	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/28/19 02:22	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/28/19 02:22	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%.	75-125		1		12/28/19 02:22	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1		12/28/19 02:22	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		12/28/19 02:22	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 651270 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008, 10503454009

METHOD BLANK: 3502212 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008, 10503454009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<38.3	100	38.3	12/20/19 17:06	
a,a,a-Trifluorotoluene (S)	%.	91	50-150		12/20/19 17:06	

METHOD BLANK: 3502213 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008, 10503454009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<38.3	100	38.3	12/20/19 20:33	
a,a,a-Trifluorotoluene (S)	%.	95	50-150		12/20/19 20:33	

LABORATORY CONTROL SAMPLE & LCSD: 3502214 3502215

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	979	932	98	93	75-125	5	20	
a,a,a-Trifluorotoluene (S)	%.				104	98	50-150			

SAMPLE DUPLICATE: 3502422

Parameter	Units	10503300001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<38.3	<38.3		30	
a,a,a-Trifluorotoluene (S)	%.	94	90			

SAMPLE DUPLICATE: 3502423

Parameter	Units	10503300002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<38.3	<38.3		30	
a,a,a-Trifluorotoluene (S)	%.	89	88			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 651581 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010 Analysis Description: 6010D Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008

METHOD BLANK: 3504127 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	<2.0	10.0	2.0	12/27/19 14:51	

LABORATORY CONTROL SAMPLE: 3504128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	982	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504129 3504130

Parameter	Units	10503454001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	<2.0	1000	1000	1010	1010	101	101	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 651058 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010 Analysis Description: 6010D Water Dissolved
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008

METHOD BLANK: 3501277 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005, 10503454006, 10503454007, 10503454008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.0	10.0	2.0	12/31/19 10:11	

LABORATORY CONTROL SAMPLE: 3501278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3501279 3501280

Parameter	Units	10503189001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	2.5J	1000	1000	1030	1010	103	101	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 652004 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005

METHOD BLANK: 3505915 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.20	1.0	0.20	12/27/19 10:37	
1,1,1-Trichloroethane	ug/L	<0.14	1.0	0.14	12/27/19 10:37	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	1.0	0.17	12/27/19 10:37	
1,1,2-Trichloroethane	ug/L	<0.18	1.0	0.18	12/27/19 10:37	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	1.0	0.47	12/27/19 10:37	
1,1-Dichloroethane	ug/L	<0.17	1.0	0.17	12/27/19 10:37	
1,1-Dichloroethene	ug/L	<0.16	1.0	0.16	12/27/19 10:37	
1,1-Dichloropropene	ug/L	<0.20	1.0	0.20	12/27/19 10:37	
1,2,3-Trichlorobenzene	ug/L	<0.47	1.0	0.47	12/27/19 10:37	
1,2,3-Trichloropropane	ug/L	<0.26	4.0	0.26	12/27/19 10:37	
1,2,4-Trichlorobenzene	ug/L	<0.32	1.0	0.32	12/27/19 10:37	
1,2,4-Trimethylbenzene	ug/L	<0.20	1.0	0.20	12/27/19 10:37	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	4.0	1.7	12/27/19 10:37	
1,2-Dibromoethane (EDB)	ug/L	<0.24	1.0	0.24	12/27/19 10:37	
1,2-Dichlorobenzene	ug/L	<0.14	1.0	0.14	12/27/19 10:37	
1,2-Dichloroethane	ug/L	<0.22	1.0	0.22	12/27/19 10:37	
1,2-Dichloropropane	ug/L	<0.16	4.0	0.16	12/27/19 10:37	
1,3,5-Trimethylbenzene	ug/L	<0.12	1.0	0.12	12/27/19 10:37	
1,3-Dichlorobenzene	ug/L	<0.16	1.0	0.16	12/27/19 10:37	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	12/27/19 10:37	
1,4-Dichlorobenzene	ug/L	<0.17	1.0	0.17	12/27/19 10:37	
2,2-Dichloropropane	ug/L	<0.17	4.0	0.17	12/27/19 10:37	
2-Butanone (MEK)	ug/L	<0.99	5.0	0.99	12/27/19 10:37	
2-Chlorotoluene	ug/L	<0.16	1.0	0.16	12/27/19 10:37	
4-Chlorotoluene	ug/L	<0.13	1.0	0.13	12/27/19 10:37	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	5.0	0.42	12/27/19 10:37	
Acetone	ug/L	<9.2	20.0	9.2	12/27/19 10:37	
Allyl chloride	ug/L	<0.29	4.0	0.29	12/27/19 10:37	
Benzene	ug/L	<0.10	1.0	0.10	12/27/19 10:37	
Bromobenzene	ug/L	<0.21	1.0	0.21	12/27/19 10:37	
Bromochloromethane	ug/L	<0.27	1.0	0.27	12/27/19 10:37	
Bromodichloromethane	ug/L	<0.22	1.0	0.22	12/27/19 10:37	
Bromoform	ug/L	<0.80	4.0	0.80	12/27/19 10:37	
Bromomethane	ug/L	<1.8	4.0	1.8	12/27/19 10:37	
Carbon tetrachloride	ug/L	<0.19	1.0	0.19	12/27/19 10:37	
Chlorobenzene	ug/L	<0.17	1.0	0.17	12/27/19 10:37	
Chloroethane	ug/L	<0.49	1.0	0.49	12/27/19 10:37	
Chloroform	ug/L	<0.49	4.0	0.49	12/27/19 10:37	
Chloromethane	ug/L	<0.48	4.0	0.48	12/27/19 10:37	
cis-1,2-Dichloroethene	ug/L	<0.15	1.0	0.15	12/27/19 10:37	
cis-1,3-Dichloropropene	ug/L	<0.20	4.0	0.20	12/27/19 10:37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

METHOD BLANK: 3505915 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454004, 10503454005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.46	1.0	0.46	12/27/19 10:37	
Dibromomethane	ug/L	<0.39	4.0	0.39	12/27/19 10:37	
Dichlorodifluoromethane	ug/L	<0.23	1.0	0.23	12/27/19 10:37	
Diethyl ether (Ethyl ether)	ug/L	<0.20	4.0	0.20	12/27/19 10:37	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/27/19 10:37	
Hexachloro-1,3-butadiene	ug/L	<0.44	1.0	0.44	12/27/19 10:37	
Isopropylbenzene (Cumene)	ug/L	<0.18	1.0	0.18	12/27/19 10:37	
Methyl-tert-butyl ether	ug/L	<0.16	1.0	0.16	12/27/19 10:37	
Methylene Chloride	ug/L	<1.5	4.0	1.5	12/27/19 10:37	
n-Butylbenzene	ug/L	<0.24	1.0	0.24	12/27/19 10:37	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	12/27/19 10:37	
Naphthalene	ug/L	<1.6	4.0	1.6	12/27/19 10:37	
p-Isopropyltoluene	ug/L	<0.15	1.0	0.15	12/27/19 10:37	
sec-Butylbenzene	ug/L	<0.15	1.0	0.15	12/27/19 10:37	
Styrene	ug/L	<0.19	1.0	0.19	12/27/19 10:37	
tert-Butylbenzene	ug/L	<0.15	1.0	0.15	12/27/19 10:37	
Tetrachloroethene	ug/L	<0.17	1.0	0.17	12/27/19 10:37	
Tetrahydrofuran	ug/L	<2.2	10.0	2.2	12/27/19 10:37	
Toluene	ug/L	<0.083	1.0	0.083	12/27/19 10:37	
trans-1,2-Dichloroethene	ug/L	<0.24	1.0	0.24	12/27/19 10:37	
trans-1,3-Dichloropropene	ug/L	<0.18	4.0	0.18	12/27/19 10:37	
Trichloroethene	ug/L	<0.15	0.40	0.15	12/27/19 10:37	
Trichlorofluoromethane	ug/L	<0.23	1.0	0.23	12/27/19 10:37	
Vinyl chloride	ug/L	<0.092	0.20	0.092	12/27/19 10:37	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/27/19 10:37	
1,2-Dichloroethane-d4 (S)	%.	116	75-125		12/27/19 10:37	
4-Bromofluorobenzene (S)	%.	106	75-125		12/27/19 10:37	
Toluene-d8 (S)	%.	108	75-125		12/27/19 10:37	

LABORATORY CONTROL SAMPLE: 3505916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.4	112	75-125	
1,1,1-Trichloroethane	ug/L	20	23.1	116	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	23.4	117	71-128	
1,1,2-Trichloroethane	ug/L	20	20.6	103	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	25.5	128	73-125	L3
1,1-Dichloroethane	ug/L	20	21.4	107	75-125	
1,1-Dichloroethene	ug/L	20	21.3	107	69-125	
1,1-Dichloropropene	ug/L	20	22.7	113	73-125	
1,2,3-Trichlorobenzene	ug/L	20	19.2	96	70-129	
1,2,3-Trichloropropane	ug/L	20	22.5	112	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.3	91	71-126	
1,2,4-Trimethylbenzene	ug/L	20	22.5	112	73-127	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

LABORATORY CONTROL SAMPLE: 3505916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	47.3	95	66-127	
1,2-Dibromoethane (EDB)	ug/L	20	21.7	108	75-125	
1,2-Dichlorobenzene	ug/L	20	20.5	102	75-125	
1,2-Dichloroethane	ug/L	20	18.5	93	71-125	
1,2-Dichloropropane	ug/L	20	20.5	102	72-125	
1,3,5-Trimethylbenzene	ug/L	20	22.8	114	75-125	
1,3-Dichlorobenzene	ug/L	20	20.5	102	75-125	
1,3-Dichloropropane	ug/L	20	19.8	99	75-125	
1,4-Dichlorobenzene	ug/L	20	19.4	97	75-125	
2,2-Dichloropropane	ug/L	20	23.5	117	65-127	
2-Butanone (MEK)	ug/L	100	145	145	74-125	CH,L3
2-Chlorotoluene	ug/L	20	23.2	116	74-125	
4-Chlorotoluene	ug/L	20	22.6	113	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	75-132	
Acetone	ug/L	100	133	133	30-150	
Allyl chloride	ug/L	20	19.1	95	75-125	
Benzene	ug/L	20	21.1	106	75-125	
Bromobenzene	ug/L	20	19.6	98	75-125	
Bromochloromethane	ug/L	20	20.0	100	74-126	
Bromodichloromethane	ug/L	20	20.9	104	75-125	
Bromoform	ug/L	20	20.5	102	74-125	
Bromomethane	ug/L	20	17.4	87	30-150	
Carbon tetrachloride	ug/L	20	23.0	115	70-125	
Chlorobenzene	ug/L	20	20.2	101	75-125	
Chloroethane	ug/L	20	20.1	100	64-129	
Chloroform	ug/L	20	21.5	107	75-125	
Chloromethane	ug/L	20	18.3	92	67-125	
cis-1,2-Dichloroethene	ug/L	20	20.6	103	73-125	
cis-1,3-Dichloropropene	ug/L	20	22.4	112	75-125	
Dibromochloromethane	ug/L	20	20.1	101	75-125	
Dibromomethane	ug/L	20	19.6	98	75-125	
Dichlorodifluoromethane	ug/L	20	18.7	93	65-129	
Diethyl ether (Ethyl ether)	ug/L	20	21.0	105	74-125	
Ethylbenzene	ug/L	20	20.3	102	75-125	
Hexachloro-1,3-butadiene	ug/L	20	23.2	116	66-137	
Isopropylbenzene (Cumene)	ug/L	20	21.3	107	75-125	
Methyl-tert-butyl ether	ug/L	20	19.4	97	75-125	
Methylene Chloride	ug/L	20	20.0	100	72-125	
n-Butylbenzene	ug/L	20	23.0	115	69-132	
n-Propylbenzene	ug/L	20	23.3	117	74-125	
Naphthalene	ug/L	20	16.7	84	63-125	
p-Isopropyltoluene	ug/L	20	23.3	116	75-125	
sec-Butylbenzene	ug/L	20	23.3	116	75-125	
Styrene	ug/L	20	20.6	103	75-125	
tert-Butylbenzene	ug/L	20	22.2	111	75-125	
Tetrachloroethene	ug/L	20	21.5	107	75-125	
Tetrahydrofuran	ug/L	200	201	101	30-150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

LABORATORY CONTROL SAMPLE: 3505916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.9	99	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	70-125	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	75-125	
Trichloroethene	ug/L	20	22.1	111	74-125	
Trichlorofluoromethane	ug/L	20	19.7	99	74-125	
Vinyl chloride	ug/L	20	19.2	96	71-125	
Xylene (Total)	ug/L	60	64.4	107	75-125	
1,2-Dichloroethane-d4 (S)	%.			97	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507610 3507611

Parameter	Units	10504035001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.20	20	20	23.5	23.8	117	119	30-150	1	30	
1,1,1-Trichloroethane	ug/L	<0.14	20	20	24.6	23.2	123	116	30-150	6	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	20	20	23.6	24.5	118	123	30-150	4	30	
1,1,2-Trichloroethane	ug/L	<0.18	20	20	21.6	21.1	108	106	30-150	2	30	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	20	20	29.1	28.1	145	140	30-150	3	30	
1,1-Dichloroethane	ug/L	<0.17	20	20	23.3	21.9	117	109	30-150	7	30	
1,1-Dichloroethene	ug/L	<0.16	20	20	24.7	22.2	123	111	30-150	11	30	
1,1-Dichloropropene	ug/L	<0.20	20	20	22.9	23.9	114	120	30-150	4	30	
1,2,3-Trichlorobenzene	ug/L	<0.47	20	20	21.5	22.7	107	114	30-150	6	30	
1,2,3-Trichloropropane	ug/L	<0.26	20	20	23.2	23.9	116	119	30-150	3	30	
1,2,4-Trichlorobenzene	ug/L	<0.32	20	20	21.9	21.5	110	107	30-150	2	30	
1,2,4-Trimethylbenzene	ug/L	<0.20	20	20	24.5	25.4	122	127	30-150	4	30	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	47.7	51.5	95	103	30-150	8	30	
1,2-Dibromoethane (EDB)	ug/L	<0.24	20	20	21.9	22.0	109	110	30-150	1	30	
1,2-Dichlorobenzene	ug/L	<0.14	20	20	21.9	23.0	110	115	30-150	5	30	
1,2-Dichloroethane	ug/L	<0.22	20	20	19.2	20.1	96	100	30-150	5	30	
1,2-Dichloropropane	ug/L	<0.16	20	20	21.7	21.3	108	107	30-150	2	30	
1,3,5-Trimethylbenzene	ug/L	<0.12	20	20	25.2	26.1	126	131	30-150	4	30	
1,3-Dichlorobenzene	ug/L	<0.16	20	20	21.9	23.4	110	117	30-150	6	30	
1,3-Dichloropropane	ug/L	<0.17	20	20	21.3	20.9	106	104	30-150	2	30	
1,4-Dichlorobenzene	ug/L	<0.17	20	20	20.7	21.8	104	109	30-150	5	30	
2,2-Dichloropropane	ug/L	<0.17	20	20	25.5	24.3	127	122	30-150	5	30	
2-Butanone (MEK)	ug/L	<0.99	100	100	104	116	104	116	30-150	11	30	CH
2-Chlorotoluene	ug/L	<0.16	20	20	25.2	26.8	126	134	30-150	6	30	
4-Chlorotoluene	ug/L	<0.13	20	20	23.7	25.5	118	127	30-150	7	30	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	100	100	105	108	105	108	30-150	3	30	
Acetone	ug/L	<9.2	100	100	91.8	96.3	92	96	30-150	5	30	
Allyl chloride	ug/L	<0.29	20	20	22.7	20.5	113	102	30-147	10	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507610 3507611

Parameter	Units	10504035001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.10	20	20	22.7	22.6	114	113	30-150	0	30	
Bromobenzene	ug/L	<0.21	20	20	20.3	21.8	102	109	30-150	7	30	
Bromochloromethane	ug/L	<0.27	20	20	20.7	20.3	103	101	30-150	2	30	
Bromodichloromethane	ug/L	<0.22	20	20	21.6	22.1	108	110	30-150	2	30	
Bromoform	ug/L	<0.80	20	20	20.7	21.3	103	107	30-150	3	30	
Bromomethane	ug/L	<1.8	20	20	20.6	18.4	103	92	30-150	11	30	
Carbon tetrachloride	ug/L	<0.19	20	20	25.5	23.5	127	117	30-150	8	30	
Chlorobenzene	ug/L	<0.17	20	20	21.3	21.2	107	106	30-150	0	30	
Chloroethane	ug/L	<0.49	20	20	23.7	19.2	119	96	30-150	21	30	
Chloroform	ug/L	<0.49	20	20	21.6	20.2	108	101	30-150	7	30	
Chloromethane	ug/L	<0.48	20	20	22.3	18.2	111	91	30-150	20	30	
cis-1,2-Dichloroethene	ug/L	<0.15	20	20	21.1	20.3	106	102	30-150	4	30	
cis-1,3-Dichloropropene	ug/L	<0.20	20	20	21.1	19.9	106	100	30-145	6	30	
Dibromochloromethane	ug/L	<0.46	20	20	21.7	21.1	109	105	30-150	3	30	
Dibromomethane	ug/L	<0.39	20	20	20.1	20.0	101	100	30-150	1	30	
Dichlorodifluoromethane	ug/L	<0.23	20	20	24.7	20.8	123	104	30-150	17	30	
Diethyl ether (Ethyl ether)	ug/L	<0.20	20	20	21.6	20.1	108	101	30-150	7	30	
Ethylbenzene	ug/L	<0.14	20	20	22.0	22.7	110	114	30-150	3	30	
Hexachloro-1,3-butadiene	ug/L	<0.44	20	20	30.4	24.8	152	124	30-150	21	30	M1
Isopropylbenzene (Cumene)	ug/L	<0.18	20	20	23.6	25.0	118	125	30-150	6	30	
Methyl-tert-butyl ether	ug/L	<0.16	20	20	20.6	19.4	103	97	30-150	6	30	
Methylene Chloride	ug/L	<1.5	20	20	21.7	19.6	109	98	30-146	10	30	
n-Butylbenzene	ug/L	<0.24	20	20	27.5	26.3	137	132	30-150	4	30	
n-Propylbenzene	ug/L	<0.10	20	20	26.1	28.3	130	142	30-150	8	30	
Naphthalene	ug/L	<1.6	20	20	17.5	20.3	87	101	30-150	15	30	
p-Isopropyltoluene	ug/L	<0.15	20	20	26.5	26.2	132	131	30-150	1	30	
sec-Butylbenzene	ug/L	<0.15	20	20	26.7	26.3	134	131	30-150	2	30	
Styrene	ug/L	<0.19	20	20	21.4	22.5	107	112	30-150	5	30	
tert-Butylbenzene	ug/L	<0.15	20	20	25.1	25.4	126	127	30-150	1	30	
Tetrachloroethene	ug/L	<0.17	20	20	25.2	25.6	126	128	30-150	2	30	
Tetrahydrofuran	ug/L	<2.2	200	200	184	192	92	96	30-150	4	30	
Toluene	ug/L	<0.083	20	20	21.5	21.5	108	108	30-150	0	30	
trans-1,2-Dichloroethene	ug/L	<0.24	20	20	22.5	18.8	112	94	30-150	18	30	
trans-1,3-Dichloropropene	ug/L	<0.18	20	20	22.0	22.0	110	110	30-150	0	30	
Trichloroethene	ug/L	<0.15	20	20	24.5	23.8	123	119	30-150	3	30	
Trichlorofluoromethane	ug/L	<0.23	20	20	24.5	21.1	122	106	30-150	15	30	
Vinyl chloride	ug/L	<0.092	20	20	24.7	20.0	124	100	30-150	21	30	
Xylene (Total)	ug/L	<0.31	60	60	70.2	72.8	117	121	30-150	4	30	
1,2-Dichloroethane-d4 (S)	%.						102	103	75-125			
4-Bromofluorobenzene (S)	%.						100	103	75-125			
Toluene-d8 (S)	%.						99	99	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 652127 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10503454006, 10503454007

METHOD BLANK: 3506479 Matrix: Water
Associated Lab Samples: 10503454006, 10503454007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.20	1.0	0.20	12/27/19 21:09	
1,1,1-Trichloroethane	ug/L	<0.14	1.0	0.14	12/27/19 21:09	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	1.0	0.17	12/27/19 21:09	
1,1,2-Trichloroethane	ug/L	<0.18	1.0	0.18	12/27/19 21:09	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	1.0	0.47	12/27/19 21:09	
1,1-Dichloroethane	ug/L	<0.17	1.0	0.17	12/27/19 21:09	
1,1-Dichloroethene	ug/L	<0.16	1.0	0.16	12/27/19 21:09	
1,1-Dichloropropene	ug/L	<0.20	1.0	0.20	12/27/19 21:09	
1,2,3-Trichlorobenzene	ug/L	<0.47	1.0	0.47	12/27/19 21:09	
1,2,3-Trichloropropane	ug/L	<0.26	4.0	0.26	12/27/19 21:09	
1,2,4-Trichlorobenzene	ug/L	<0.32	1.0	0.32	12/27/19 21:09	
1,2,4-Trimethylbenzene	ug/L	<0.20	1.0	0.20	12/27/19 21:09	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	4.0	1.7	12/27/19 21:09	
1,2-Dibromoethane (EDB)	ug/L	<0.24	1.0	0.24	12/27/19 21:09	
1,2-Dichlorobenzene	ug/L	<0.14	1.0	0.14	12/27/19 21:09	
1,2-Dichloroethane	ug/L	<0.22	1.0	0.22	12/27/19 21:09	
1,2-Dichloropropane	ug/L	<0.16	4.0	0.16	12/27/19 21:09	
1,3,5-Trimethylbenzene	ug/L	<0.12	1.0	0.12	12/27/19 21:09	
1,3-Dichlorobenzene	ug/L	<0.16	1.0	0.16	12/27/19 21:09	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	12/27/19 21:09	
1,4-Dichlorobenzene	ug/L	<0.17	1.0	0.17	12/27/19 21:09	
2,2-Dichloropropane	ug/L	<0.17	4.0	0.17	12/27/19 21:09	
2-Butanone (MEK)	ug/L	<0.99	5.0	0.99	12/27/19 21:09	
2-Chlorotoluene	ug/L	<0.16	1.0	0.16	12/27/19 21:09	
4-Chlorotoluene	ug/L	<0.13	1.0	0.13	12/27/19 21:09	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	5.0	0.42	12/27/19 21:09	
Acetone	ug/L	<9.2	20.0	9.2	12/27/19 21:09	
Allyl chloride	ug/L	<0.29	4.0	0.29	12/27/19 21:09	
Benzene	ug/L	<0.10	1.0	0.10	12/27/19 21:09	
Bromobenzene	ug/L	<0.21	1.0	0.21	12/27/19 21:09	
Bromochloromethane	ug/L	<0.27	1.0	0.27	12/27/19 21:09	
Bromodichloromethane	ug/L	<0.22	1.0	0.22	12/27/19 21:09	
Bromoform	ug/L	<0.80	4.0	0.80	12/27/19 21:09	
Bromomethane	ug/L	<1.8	4.0	1.8	12/27/19 21:09	
Carbon tetrachloride	ug/L	<0.19	1.0	0.19	12/27/19 21:09	
Chlorobenzene	ug/L	<0.17	1.0	0.17	12/27/19 21:09	
Chloroethane	ug/L	<0.49	1.0	0.49	12/27/19 21:09	
Chloroform	ug/L	<0.49	4.0	0.49	12/27/19 21:09	MN
Chloromethane	ug/L	<0.48	4.0	0.48	12/27/19 21:09	
cis-1,2-Dichloroethene	ug/L	<0.15	1.0	0.15	12/27/19 21:09	
cis-1,3-Dichloropropene	ug/L	<0.20	4.0	0.20	12/27/19 21:09	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

METHOD BLANK: 3506479 Matrix: Water
Associated Lab Samples: 10503454006, 10503454007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.46	1.0	0.46	12/27/19 21:09	
Dibromomethane	ug/L	<0.39	4.0	0.39	12/27/19 21:09	
Dichlorodifluoromethane	ug/L	<0.23	1.0	0.23	12/27/19 21:09	
Diethyl ether (Ethyl ether)	ug/L	<0.20	4.0	0.20	12/27/19 21:09	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/27/19 21:09	
Hexachloro-1,3-butadiene	ug/L	<0.44	1.0	0.44	12/27/19 21:09	
Isopropylbenzene (Cumene)	ug/L	<0.18	1.0	0.18	12/27/19 21:09	
Methyl-tert-butyl ether	ug/L	<0.16	1.0	0.16	12/27/19 21:09	
Methylene Chloride	ug/L	<1.5	4.0	1.5	12/27/19 21:09	
n-Butylbenzene	ug/L	<0.24	1.0	0.24	12/27/19 21:09	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	12/27/19 21:09	
p-Isopropyltoluene	ug/L	<0.15	1.0	0.15	12/27/19 21:09	
sec-Butylbenzene	ug/L	<0.15	1.0	0.15	12/27/19 21:09	
Styrene	ug/L	<0.19	1.0	0.19	12/27/19 21:09	
tert-Butylbenzene	ug/L	<0.15	1.0	0.15	12/27/19 21:09	
Tetrachloroethene	ug/L	<0.17	1.0	0.17	12/27/19 21:09	
Tetrahydrofuran	ug/L	<2.2	10.0	2.2	12/27/19 21:09	
Toluene	ug/L	<0.083	1.0	0.083	12/27/19 21:09	
trans-1,2-Dichloroethene	ug/L	<0.24	1.0	0.24	12/27/19 21:09	
trans-1,3-Dichloropropene	ug/L	<0.18	4.0	0.18	12/27/19 21:09	
Trichloroethene	ug/L	<0.15	0.40	0.15	12/27/19 21:09	
Trichlorofluoromethane	ug/L	<0.23	1.0	0.23	12/27/19 21:09	
Vinyl chloride	ug/L	<0.092	0.20	0.092	12/27/19 21:09	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/27/19 21:09	
1,2-Dichloroethane-d4 (S)	%.	97	75-125		12/27/19 21:09	
4-Bromofluorobenzene (S)	%.	97	75-125		12/27/19 21:09	
Toluene-d8 (S)	%.	97	75-125		12/27/19 21:09	

LABORATORY CONTROL SAMPLE: 3506480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	100	75-125	
1,1,1-Trichloroethane	ug/L	20	21.7	109	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	71-128	
1,1,2-Trichloroethane	ug/L	20	19.7	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	23.2	116	73-125	
1,1-Dichloroethane	ug/L	20	19.1	95	75-125	
1,1-Dichloroethene	ug/L	20	19.0	95	69-125	
1,1-Dichloropropene	ug/L	20	22.0	110	73-125	
1,2,3-Trichlorobenzene	ug/L	20	17.6	88	70-129	
1,2,3-Trichloropropane	ug/L	20	18.9	94	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.8	94	71-126	
1,2,4-Trimethylbenzene	ug/L	20	19.8	99	73-127	
1,2-Dibromo-3-chloropropane	ug/L	50	47.3	95	66-127	

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QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

LABORATORY CONTROL SAMPLE: 3506480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	75-125	
1,2-Dichlorobenzene	ug/L	20	19.1	96	75-125	
1,2-Dichloroethane	ug/L	20	19.0	95	71-125	
1,2-Dichloropropane	ug/L	20	19.6	98	72-125	
1,3,5-Trimethylbenzene	ug/L	20	19.3	97	75-125	
1,3-Dichlorobenzene	ug/L	20	18.9	94	75-125	
1,3-Dichloropropane	ug/L	20	19.1	96	75-125	
1,4-Dichlorobenzene	ug/L	20	20.4	102	75-125	
2,2-Dichloropropane	ug/L	20	20.5	103	65-127	
2-Butanone (MEK)	ug/L	100	101	101	74-125	
2-Chlorotoluene	ug/L	20	19.2	96	74-125	
4-Chlorotoluene	ug/L	20	19.5	97	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.9	100	75-132	
Acetone	ug/L	100	106	106	30-150	
Allyl chloride	ug/L	20	19.1	95	75-125	
Benzene	ug/L	20	19.3	96	75-125	
Bromobenzene	ug/L	20	20.5	103	75-125	
Bromochloromethane	ug/L	20	18.5	93	74-126	
Bromodichloromethane	ug/L	20	20.3	101	75-125	
Bromoform	ug/L	20	19.8	99	74-125	
Bromomethane	ug/L	20	12.4	62	30-150	
Carbon tetrachloride	ug/L	20	21.8	109	70-125	
Chlorobenzene	ug/L	20	19.0	95	75-125	
Chloroethane	ug/L	20	16.8	84	64-129	
Chloroform	ug/L	20	18.8	94	75-125	
Chloromethane	ug/L	20	18.9	94	67-125	
cis-1,2-Dichloroethene	ug/L	20	19.2	96	73-125	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	75-125	
Dibromochloromethane	ug/L	20	18.3	91	75-125	
Dibromomethane	ug/L	20	19.9	99	75-125	
Dichlorodifluoromethane	ug/L	20	18.0	90	65-129	
Diethyl ether (Ethyl ether)	ug/L	20	18.3	92	74-125	
Ethylbenzene	ug/L	20	20.2	101	75-125	
Hexachloro-1,3-butadiene	ug/L	20	20.4	102	66-137	
Isopropylbenzene (Cumene)	ug/L	20	20.4	102	75-125	
Methyl-tert-butyl ether	ug/L	20	18.6	93	75-125	
Methylene Chloride	ug/L	20	18.2	91	72-125	
n-Butylbenzene	ug/L	20	19.9	100	69-132	
n-Propylbenzene	ug/L	20	20.4	102	74-125	
p-Isopropyltoluene	ug/L	20	19.8	99	75-125	
sec-Butylbenzene	ug/L	20	20.2	101	75-125	
Styrene	ug/L	20	19.9	100	75-125	
tert-Butylbenzene	ug/L	20	19.9	99	75-125	
Tetrachloroethene	ug/L	20	19.7	99	75-125	
Tetrahydrofuran	ug/L	200	187	93	30-150	
Toluene	ug/L	20	19.1	95	75-125	
trans-1,2-Dichloroethene	ug/L	20	18.2	91	70-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

LABORATORY CONTROL SAMPLE: 3506480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	18.5	92	75-125	
Trichloroethene	ug/L	20	21.3	106	74-125	
Trichlorofluoromethane	ug/L	20	19.6	98	74-125	
Vinyl chloride	ug/L	20	17.5	88	71-125	
Xylene (Total)	ug/L	60	60.7	101	75-125	
1,2-Dichloroethane-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506550 3506551

Parameter	Units	10503454006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.20	20	20	20.1	18.4	100	92	30-150	8	30	
1,1,1-Trichloroethane	ug/L	<0.14	20	20	22.5	20.8	113	104	30-150	8	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	20	20	17.5	17.1	87	85	30-150	2	30	
1,1,2-Trichloroethane	ug/L	<0.18	20	20	18.3	17.7	91	89	30-150	3	30	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	20	20	24.0	22.5	120	112	30-150	7	30	
1,1-Dichloroethane	ug/L	<0.17	20	20	19.9	17.8	99	89	30-150	11	30	
1,1-Dichloroethene	ug/L	<0.16	20	20	19.3	17.4	96	87	30-150	10	30	
1,1-Dichloropropene	ug/L	<0.20	20	20	22.9	20.8	115	104	30-150	10	30	
1,2,3-Trichlorobenzene	ug/L	<0.47	20	20	17.8	18.7	89	93	30-150	5	30	
1,2,3-Trichloropropane	ug/L	<0.26	20	20	18.3	16.5	92	83	30-150	10	30	
1,2,4-Trichlorobenzene	ug/L	<0.32	20	20	19.4	19.2	97	96	30-150	1	30	
1,2,4-Trimethylbenzene	ug/L	<0.20	20	20	20.2	18.9	101	94	30-150	7	30	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	43.5	44.4	87	89	30-150	2	30	
1,2-Dibromoethane (EDB)	ug/L	<0.24	20	20	17.9	17.3	90	87	30-150	3	30	
1,2-Dichlorobenzene	ug/L	<0.14	20	20	19.0	17.7	95	88	30-150	7	30	
1,2-Dichloroethane	ug/L	<0.22	20	20	18.3	17.1	91	85	30-150	7	30	
1,2-Dichloropropane	ug/L	<0.16	20	20	19.4	18.7	97	94	30-150	4	30	
1,3,5-Trimethylbenzene	ug/L	<0.12	20	20	20.2	18.8	101	94	30-150	7	30	
1,3-Dichlorobenzene	ug/L	<0.16	20	20	19.0	18.3	95	91	30-150	4	30	
1,3-Dichloropropane	ug/L	<0.17	20	20	18.9	17.5	94	87	30-150	8	30	
1,4-Dichlorobenzene	ug/L	<0.17	20	20	20.2	18.8	101	94	30-150	7	30	
2,2-Dichloropropane	ug/L	<0.17	20	20	21.3	20.0	106	100	30-150	6	30	
2-Butanone (MEK)	ug/L	<0.99	100	100	82.3	85.5	82	86	30-150	4	30	
2-Chlorotoluene	ug/L	<0.16	20	20	19.8	18.6	99	93	30-150	6	30	
4-Chlorotoluene	ug/L	<0.13	20	20	19.6	18.4	98	92	30-150	6	30	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	100	100	93.1	92.0	93	92	30-150	1	30	
Acetone	ug/L	<9.2	100	100	85.5	77.9	86	78	30-150	9	30	
Allyl chloride	ug/L	<0.29	20	20	19.4	17.8	97	89	30-147	8	30	
Benzene	ug/L	<0.10	20	20	19.1	17.6	96	88	30-150	8	30	
Bromobenzene	ug/L	<0.21	20	20	20.2	18.6	101	93	30-150	8	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506550 3506551

Parameter	Units	10503454006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromochloromethane	ug/L	<0.27	20	20	18.0	16.9	90	85	30-150	6	30	
Bromodichloromethane	ug/L	<0.22	20	20	20.5	18.6	102	93	30-150	10	30	
Bromoform	ug/L	<0.80	20	20	19.7	18.9	98	94	30-150	4	30	
Bromomethane	ug/L	<1.8	20	20	14.4	14.4	72	72	30-150	0	30	
Carbon tetrachloride	ug/L	<0.19	20	20	22.8	21.4	114	107	30-150	6	30	
Chlorobenzene	ug/L	<0.17	20	20	19.2	17.6	96	88	30-150	9	30	
Chloroethane	ug/L	<0.49	20	20	17.8	15.5	89	78	30-150	13	30	
Chloroform	ug/L	<0.49	20	20	18.1	16.4	90	82	30-150	10	30	
Chloromethane	ug/L	<0.48	20	20	19.6	17.9	98	90	30-150	9	30	
cis-1,2-Dichloroethene	ug/L	<0.15	20	20	19.0	17.2	95	86	30-150	10	30	
cis-1,3-Dichloropropene	ug/L	<0.20	20	20	19.4	18.1	97	91	30-145	7	30	
Dibromochloromethane	ug/L	<0.46	20	20	18.8	17.2	94	86	30-150	9	30	
Dibromomethane	ug/L	<0.39	20	20	19.6	18.0	98	90	30-150	8	30	
Dichlorodifluoromethane	ug/L	<0.23	20	20	18.4	17.2	92	86	30-150	6	30	
Diethyl ether (Ethyl ether)	ug/L	<0.20	20	20	17.0	16.8	85	84	30-150	1	30	
Ethylbenzene	ug/L	<0.14	20	20	20.5	18.9	103	94	30-150	8	30	
Hexachloro-1,3-butadiene	ug/L	<0.44	20	20	23.6	21.2	118	106	30-150	11	30	
Isopropylbenzene (Cumene)	ug/L	<0.18	20	20	21.3	20.1	106	100	30-150	6	30	
Methyl-tert-butyl ether	ug/L	<0.16	20	20	17.7	16.9	89	84	30-150	5	30	
Methylene Chloride	ug/L	<1.5	20	20	17.5	16.2	87	81	30-146	8	30	
n-Butylbenzene	ug/L	<0.24	20	20	21.2	20.2	106	101	30-150	5	30	
n-Propylbenzene	ug/L	<0.10	20	20	20.9	20.0	104	100	30-150	4	30	
p-Isopropyltoluene	ug/L	<0.15	20	20	20.5	19.9	103	100	30-150	3	30	
sec-Butylbenzene	ug/L	<0.15	20	20	20.9	20.5	105	103	30-150	2	30	
Styrene	ug/L	<0.19	20	20	19.9	18.4	100	92	30-150	8	30	
tert-Butylbenzene	ug/L	<0.15	20	20	20.7	20.2	104	101	30-150	3	30	
Tetrachloroethene	ug/L	<0.17	20	20	20.4	18.7	102	94	30-150	9	30	
Tetrahydrofuran	ug/L	<2.2	200	200	193	178	96	89	30-150	8	30	
Toluene	ug/L	<0.083	20	20	19.7	17.9	99	90	30-150	9	30	
trans-1,2-Dichloroethene	ug/L	<0.24	20	20	18.9	17.3	94	86	30-150	9	30	
trans-1,3-Dichloropropene	ug/L	<0.18	20	20	18.4	17.3	92	86	30-150	6	30	
Trichloroethene	ug/L	<0.15	20	20	22.1	20.3	110	101	30-150	9	30	
Trichlorofluoromethane	ug/L	<0.23	20	20	20.2	18.8	101	94	30-150	7	30	
Vinyl chloride	ug/L	<0.092	20	20	18.5	16.6	93	83	30-150	11	30	
Xylene (Total)	ug/L	<0.31	60	60	62.4	56.6	104	94	30-150	10	30	
1,2-Dichloroethane-d4 (S)	%.						98	101	75-125			
4-Bromofluorobenzene (S)	%.						100	98	75-125			
Toluene-d8 (S)	%.						99	97	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 652132 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10503454008, 10503454009

METHOD BLANK: 3506601 Matrix: Water
Associated Lab Samples: 10503454008, 10503454009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.20	1.0	0.20	12/28/19 01:47	
1,1,1-Trichloroethane	ug/L	<0.14	1.0	0.14	12/28/19 01:47	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	1.0	0.17	12/28/19 01:47	
1,1,2-Trichloroethane	ug/L	<0.18	1.0	0.18	12/28/19 01:47	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.47	1.0	0.47	12/28/19 01:47	
1,1-Dichloroethane	ug/L	<0.17	1.0	0.17	12/28/19 01:47	
1,1-Dichloroethene	ug/L	<0.16	1.0	0.16	12/28/19 01:47	
1,1-Dichloropropene	ug/L	<0.20	1.0	0.20	12/28/19 01:47	
1,2,3-Trichlorobenzene	ug/L	<0.47	4.0	0.47	12/28/19 01:47	MN
1,2,3-Trichloropropane	ug/L	<0.26	4.0	0.26	12/28/19 01:47	
1,2,4-Trichlorobenzene	ug/L	<0.32	4.0	0.32	12/28/19 01:47	MN
1,2,4-Trimethylbenzene	ug/L	<0.20	1.0	0.20	12/28/19 01:47	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	10.0	1.7	12/28/19 01:47	MN
1,2-Dibromoethane (EDB)	ug/L	<0.24	1.0	0.24	12/28/19 01:47	
1,2-Dichlorobenzene	ug/L	<0.14	1.0	0.14	12/28/19 01:47	
1,2-Dichloroethane	ug/L	<0.22	1.0	0.22	12/28/19 01:47	
1,2-Dichloropropane	ug/L	<0.16	4.0	0.16	12/28/19 01:47	
1,3,5-Trimethylbenzene	ug/L	<0.12	1.0	0.12	12/28/19 01:47	
1,3-Dichlorobenzene	ug/L	<0.16	1.0	0.16	12/28/19 01:47	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	12/28/19 01:47	
1,4-Dichlorobenzene	ug/L	<0.17	1.0	0.17	12/28/19 01:47	
2,2-Dichloropropane	ug/L	<0.17	4.0	0.17	12/28/19 01:47	
2-Butanone (MEK)	ug/L	<0.99	5.0	0.99	12/28/19 01:47	
2-Chlorotoluene	ug/L	<0.16	1.0	0.16	12/28/19 01:47	
4-Chlorotoluene	ug/L	<0.13	1.0	0.13	12/28/19 01:47	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	5.0	0.42	12/28/19 01:47	
Acetone	ug/L	<9.2	20.0	9.2	12/28/19 01:47	
Allyl chloride	ug/L	<0.29	4.0	0.29	12/28/19 01:47	
Benzene	ug/L	<0.10	1.0	0.10	12/28/19 01:47	
Bromobenzene	ug/L	<0.21	1.0	0.21	12/28/19 01:47	
Bromochloromethane	ug/L	<0.27	1.0	0.27	12/28/19 01:47	
Bromodichloromethane	ug/L	<0.22	1.0	0.22	12/28/19 01:47	
Bromoform	ug/L	<0.80	4.0	0.80	12/28/19 01:47	
Bromomethane	ug/L	<1.8	4.0	1.8	12/28/19 01:47	
Carbon tetrachloride	ug/L	<0.19	1.0	0.19	12/28/19 01:47	
Chlorobenzene	ug/L	<0.17	1.0	0.17	12/28/19 01:47	
Chloroethane	ug/L	<0.49	1.0	0.49	12/28/19 01:47	
Chloroform	ug/L	<0.49	4.0	0.49	12/28/19 01:47	MN
Chloromethane	ug/L	<0.48	4.0	0.48	12/28/19 01:47	
cis-1,2-Dichloroethene	ug/L	<0.15	1.0	0.15	12/28/19 01:47	
cis-1,3-Dichloropropene	ug/L	<0.20	4.0	0.20	12/28/19 01:47	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

METHOD BLANK: 3506601 Matrix: Water
Associated Lab Samples: 10503454008, 10503454009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.46	1.0	0.46	12/28/19 01:47	
Dibromomethane	ug/L	<0.39	4.0	0.39	12/28/19 01:47	
Dichlorodifluoromethane	ug/L	<0.23	1.0	0.23	12/28/19 01:47	
Diethyl ether (Ethyl ether)	ug/L	<0.20	4.0	0.20	12/28/19 01:47	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/28/19 01:47	
Hexachloro-1,3-butadiene	ug/L	<0.44	1.0	0.44	12/28/19 01:47	
Isopropylbenzene (Cumene)	ug/L	<0.18	1.0	0.18	12/28/19 01:47	
Methyl-tert-butyl ether	ug/L	<0.16	1.0	0.16	12/28/19 01:47	
Methylene Chloride	ug/L	<1.5	4.0	1.5	12/28/19 01:47	
n-Butylbenzene	ug/L	<0.24	1.0	0.24	12/28/19 01:47	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	12/28/19 01:47	
Naphthalene	ug/L	<1.6	4.0	1.6	12/28/19 01:47	
p-Isopropyltoluene	ug/L	<0.15	1.0	0.15	12/28/19 01:47	
sec-Butylbenzene	ug/L	<0.15	1.0	0.15	12/28/19 01:47	
Styrene	ug/L	<0.19	1.0	0.19	12/28/19 01:47	
tert-Butylbenzene	ug/L	<0.15	1.0	0.15	12/28/19 01:47	
Tetrachloroethene	ug/L	<0.17	1.0	0.17	12/28/19 01:47	
Tetrahydrofuran	ug/L	<2.2	10.0	2.2	12/28/19 01:47	
Toluene	ug/L	<0.083	1.0	0.083	12/28/19 01:47	
trans-1,2-Dichloroethene	ug/L	<0.24	1.0	0.24	12/28/19 01:47	
trans-1,3-Dichloropropene	ug/L	<0.18	4.0	0.18	12/28/19 01:47	
Trichloroethene	ug/L	<0.15	0.40	0.15	12/28/19 01:47	
Trichlorofluoromethane	ug/L	<0.23	1.0	0.23	12/28/19 01:47	
Vinyl chloride	ug/L	<0.092	0.20	0.092	12/28/19 01:47	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/28/19 01:47	
1,2-Dichloroethane-d4 (S)	%.	100	75-125		12/28/19 01:47	
4-Bromofluorobenzene (S)	%.	101	75-125		12/28/19 01:47	
Toluene-d8 (S)	%.	97	75-125		12/28/19 01:47	

LABORATORY CONTROL SAMPLE: 3506602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.6	103	75-125	
1,1,1-Trichloroethane	ug/L	20	20.4	102	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	101	71-128	
1,1,2-Trichloroethane	ug/L	20	20.5	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.8	99	73-125	
1,1-Dichloroethane	ug/L	20	19.4	97	75-125	
1,1-Dichloroethene	ug/L	20	19.5	98	69-125	
1,1-Dichloropropene	ug/L	20	19.0	95	73-125	
1,2,3-Trichlorobenzene	ug/L	20	17.5	87	70-129	
1,2,3-Trichloropropane	ug/L	20	19.8	99	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.2	96	71-126	
1,2,4-Trimethylbenzene	ug/L	20	19.7	99	73-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

LABORATORY CONTROL SAMPLE: 3506602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	92	66-127	
1,2-Dibromoethane (EDB)	ug/L	20	20.2	101	75-125	
1,2-Dichlorobenzene	ug/L	20	20.7	103	75-125	
1,2-Dichloroethane	ug/L	20	18.2	91	71-125	
1,2-Dichloropropane	ug/L	20	19.1	95	72-125	
1,3,5-Trimethylbenzene	ug/L	20	20.5	102	75-125	
1,3-Dichlorobenzene	ug/L	20	21.1	106	75-125	
1,3-Dichloropropane	ug/L	20	20.6	103	75-125	
1,4-Dichlorobenzene	ug/L	20	19.6	98	75-125	
2,2-Dichloropropane	ug/L	20	19.8	99	65-127	
2-Butanone (MEK)	ug/L	100	90.3	90	74-125	
2-Chlorotoluene	ug/L	20	20.1	101	74-125	
4-Chlorotoluene	ug/L	20	20.9	104	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.6	97	75-132	
Acetone	ug/L	100	91.8	92	30-150	
Allyl chloride	ug/L	20	17.8	89	75-125	
Benzene	ug/L	20	19.8	99	75-125	
Bromobenzene	ug/L	20	20.8	104	75-125	
Bromochloromethane	ug/L	20	20.8	104	74-126	
Bromodichloromethane	ug/L	20	20.3	101	75-125	
Bromoform	ug/L	20	19.1	95	74-125	
Bromomethane	ug/L	20	16.4	82	30-150	
Carbon tetrachloride	ug/L	20	19.7	99	70-125	
Chlorobenzene	ug/L	20	21.0	105	75-125	
Chloroethane	ug/L	20	17.1	85	64-129	
Chloroform	ug/L	20	19.3	97	75-125	
Chloromethane	ug/L	20	15.1	76	67-125	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	73-125	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	75-125	
Dibromochloromethane	ug/L	20	20.9	105	75-125	
Dibromomethane	ug/L	20	20.4	102	75-125	
Dichlorodifluoromethane	ug/L	20	15.9	80	65-129	
Diethyl ether (Ethyl ether)	ug/L	20	20.3	102	74-125	
Ethylbenzene	ug/L	20	19.9	99	75-125	
Hexachloro-1,3-butadiene	ug/L	20	20.5	103	66-137	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	75-125	
Methyl-tert-butyl ether	ug/L	20	20.2	101	75-125	
Methylene Chloride	ug/L	20	19.2	96	72-125	
n-Butylbenzene	ug/L	20	20.7	104	69-132	
n-Propylbenzene	ug/L	20	20.0	100	74-125	
Naphthalene	ug/L	20	17.0	85	63-125	
p-Isopropyltoluene	ug/L	20	20.7	103	75-125	
sec-Butylbenzene	ug/L	20	20.8	104	75-125	
Styrene	ug/L	20	20.7	104	75-125	
tert-Butylbenzene	ug/L	20	20.3	102	75-125	
Tetrachloroethene	ug/L	20	20.7	103	75-125	
Tetrahydrofuran	ug/L	200	208	104	30-150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

LABORATORY CONTROL SAMPLE: 3506602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.7	98	75-125	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-125	
trans-1,3-Dichloropropene	ug/L	20	21.6	108	75-125	
Trichloroethene	ug/L	20	20.0	100	74-125	
Trichlorofluoromethane	ug/L	20	18.1	90	74-125	
Vinyl chloride	ug/L	20	15.0	75	71-125	
Xylene (Total)	ug/L	60	58.2	97	75-125	
1,2-Dichloroethane-d4 (S)	%.			100	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506603 3506604

Parameter	Units	10503585001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	18.8	18.9	94	95	30-150	1	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	20.9	20.7	105	104	30-150	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.9	19.2	95	96	30-150	1	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	18.6	18.6	93	93	30-150	0	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	21.2	21.2	106	106	30-150	0	30	
1,1-Dichloroethane	ug/L	ND	20	20	19.1	19.4	95	97	30-150	2	30	
1,1-Dichloroethene	ug/L	ND	20	20	21.4	21.2	107	106	30-150	1	30	
1,1-Dichloropropene	ug/L	ND	20	20	19.9	20.0	100	100	30-150	1	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	25.0	26.4	125	132	30-150	5	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.7	19.1	94	95	30-150	2	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20.9	20.8	104	104	30-150	0	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	18.7	18.8	93	94	30-150	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	47.6	47.6	95	95	30-150	0	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	18.8	18.8	94	94	30-150	0	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	19.8	19.8	99	99	30-150	0	30	
1,2-Dichloroethane	ug/L	ND	20	20	16.7	16.9	84	85	30-150	1	30	
1,2-Dichloropropane	ug/L	ND	20	20	18.3	18.4	91	92	30-150	1	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	19.8	19.9	99	99	30-150	0	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	19.8	20.0	99	100	30-150	1	30	
1,3-Dichloropropane	ug/L	ND	20	20	19.1	19.3	96	97	30-150	1	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.6	18.5	93	93	30-150	0	30	
2,2-Dichloropropane	ug/L	ND	20	20	19.8	19.9	99	100	30-150	0	30	
2-Butanone (MEK)	ug/L	ND	100	100	86.8	86.8	87	87	30-150	0	30	
2-Chlorotoluene	ug/L	ND	20	20	19.4	19.5	97	98	30-150	1	30	
4-Chlorotoluene	ug/L	ND	20	20	19.9	19.7	99	98	30-150	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	92.3	94.6	92	95	30-150	2	30	
Acetone	ug/L	ND	100	100	82.6	85.2	83	85	30-150	3	30	
Allyl chloride	ug/L	ND	20	20	17.6	18.0	88	90	30-147	2	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506603 3506604

Parameter	Units	10503585001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	19.2	19.2	96	96	30-150	0	30	
Bromobenzene	ug/L	ND	20	20	19.3	19.3	96	96	30-150	0	30	
Bromochloromethane	ug/L	ND	20	20	19.0	19.5	95	98	30-150	3	30	
Bromodichloromethane	ug/L	ND	20	20	19.2	19.5	96	97	30-150	2	30	
Bromoform	ug/L	ND	20	20	18.0	18.2	90	91	30-150	1	30	
Bromomethane	ug/L	ND	20	20	16.3	17.3	82	87	30-150	6	30	
Carbon tetrachloride	ug/L	ND	20	20	21.2	21.2	106	106	30-150	0	30	
Chlorobenzene	ug/L	ND	20	20	20.2	20.1	101	101	30-150	1	30	
Chloroethane	ug/L	ND	20	20	16.4	16.3	82	81	30-150	1	30	
Chloroform	ug/L	ND	20	20	17.7	17.5	88	88	30-150	1	30	
Chloromethane	ug/L	ND	20	20	13.7	14.8	69	74	30-150	7	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	18.9	19.2	94	96	30-150	2	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.7	19.0	94	95	30-145	1	30	
Dibromochloromethane	ug/L	ND	20	20	19.4	19.6	97	98	30-150	1	30	
Dibromomethane	ug/L	ND	20	20	19.5	19.4	97	97	30-150	1	30	
Dichlorodifluoromethane	ug/L	ND	20	20	16.7	16.4	83	82	30-150	2	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	18.0	18.3	90	91	30-150	1	30	
Ethylbenzene	ug/L	ND	20	20	19.6	19.5	98	98	30-150	0	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	21.7	22.7	109	113	30-150	4	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20.1	20.4	100	102	30-150	2	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	18.9	19.2	94	96	30-150	2	30	
Methylene Chloride	ug/L	ND	20	20	17.9	17.9	89	90	30-146	0	30	
n-Butylbenzene	ug/L	ND	20	20	19.9	20.1	99	100	30-150	1	30	
n-Propylbenzene	ug/L	ND	20	20	19.8	19.7	99	99	30-150	0	30	
Naphthalene	ug/L	ND	20	20	21.0	21.9	105	109	30-150	4	30	
p-Isopropyltoluene	ug/L	ND	20	20	20.1	20.5	101	102	30-150	2	30	
sec-Butylbenzene	ug/L	ND	20	20	20.3	20.4	101	102	30-150	1	30	
Styrene	ug/L	ND	20	20	19.5	19.6	98	98	30-150	1	30	
tert-Butylbenzene	ug/L	ND	20	20	19.9	19.9	100	100	30-150	0	30	
Tetrachloroethene	ug/L	ND	20	20	20.7	21.0	104	105	30-150	1	30	
Tetrahydrofuran	ug/L	ND	200	200	186	189	93	94	30-150	1	30	
Toluene	ug/L	ND	20	20	19.2	19.4	96	97	30-150	1	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20.8	20.7	104	103	30-150	0	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.7	19.9	98	99	30-150	1	30	
Trichloroethene	ug/L	ND	20	20	20.0	20.1	100	101	30-150	1	30	
Trichlorofluoromethane	ug/L	ND	20	20	18.4	18.4	92	92	30-150	0	30	
Vinyl chloride	ug/L	ND	20	20	15.0	15.1	75	76	30-150	0	30	
Xylene (Total)	ug/L	ND	60	60	56.7	57.1	95	95	30-150	1	30	
1,2-Dichloroethane-d4 (S)	%.						101	102	75-125			
4-Bromofluorobenzene (S)	%.						100	100	75-125			
Toluene-d8 (S)	%.						102	102	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

QC Batch: 651199 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454008

METHOD BLANK: 3501758 Matrix: Water
Associated Lab Samples: 10503454001, 10503454002, 10503454003, 10503454008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	ug/L	<66.3	400	66.3	12/22/19 14:00	
Motor Oil Range	ug/L	<78.3	400	78.3	12/22/19 14:00	
n-Triacontane (S)	%.	91	50-150		12/22/19 14:00	
o-Terphenyl (S)	%.	99	50-150		12/22/19 14:00	

LABORATORY CONTROL SAMPLE & LCSD: 3501759 3501760

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	ug/L	2000	2080	1990	104	100	50-150	5	20	
Motor Oil Range	ug/L	2000	2090	1990	105	100	50-150	5	20	
n-Triacontane (S)	%.				99	94	50-150			
o-Terphenyl (S)	%.				97	91	50-150			

SAMPLE DUPLICATE: 3502033

Parameter	Units	10503316001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	ug/L	0.14J mg/L	119J		30	H3
Motor Oil Range	ug/L	0.31J mg/L	251J		30	H3
n-Triacontane (S)	%.	91	77			
o-Terphenyl (S)	%.	87	75			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H3	Sample was received or analysis requested beyond the recognized method holding time.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Parameter	Matrix	Analytical Method	Preparation Method
8260B VOC	Water	SW-846 8260B/5030B	N/A

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: AOC 1396-P66-Westlake
Pace Project No.: 10503454

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10503454001	**MW-216**	EPA Mod. 3510C	651199	NWTPH-Dx	651374
10503454002	**MW-217**	EPA Mod. 3510C	651199	NWTPH-Dx	651374
10503454003	**MW-218**	EPA Mod. 3510C	651199	NWTPH-Dx	651374
10503454008	**MWR-6**	EPA Mod. 3510C	651199	NWTPH-Dx	651374
10503454001	**MW-216**	NWTPH-Gx	651270		
10503454002	**MW-217**	NWTPH-Gx	651270		
10503454003	**MW-218**	NWTPH-Gx	651270		
10503454004	**MW-213**	NWTPH-Gx	651270		
10503454005	**MW-215**	NWTPH-Gx	651270		
10503454006	**MW-209**	NWTPH-Gx	651270		
10503454007	**MW-211**	NWTPH-Gx	651270		
10503454008	**MWR-6**	NWTPH-Gx	651270		
10503454009	**Trip Blank**	NWTPH-Gx	651270		
10503454001	**MW-216**	EPA 3010	651581	EPA 6010D	652074
10503454002	**MW-217**	EPA 3010	651581	EPA 6010D	652074
10503454003	**MW-218**	EPA 3010	651581	EPA 6010D	652074
10503454004	**MW-213**	EPA 3010	651581	EPA 6010D	652074
10503454005	**MW-215**	EPA 3010	651581	EPA 6010D	652074
10503454006	**MW-209**	EPA 3010	651581	EPA 6010D	652074
10503454007	**MW-211**	EPA 3010	651581	EPA 6010D	652074
10503454008	**MWR-6**	EPA 3010	651581	EPA 6010D	652074
10503454001	**MW-216**	EPA 3010	651058	EPA 6010D	652450
10503454002	**MW-217**	EPA 3010	651058	EPA 6010D	652450
10503454003	**MW-218**	EPA 3010	651058	EPA 6010D	652450
10503454004	**MW-213**	EPA 3010	651058	EPA 6010D	652450
10503454005	**MW-215**	EPA 3010	651058	EPA 6010D	652450
10503454006	**MW-209**	EPA 3010	651058	EPA 6010D	652450
10503454007	**MW-211**	EPA 3010	651058	EPA 6010D	652450
10503454008	**MWR-6**	EPA 3010	651058	EPA 6010D	652450
10503454001	**MW-216**	EPA 8260B	652004		
10503454002	**MW-217**	EPA 8260B	652004		
10503454003	**MW-218**	EPA 8260B	652004		
10503454004	**MW-213**	EPA 8260B	652004		
10503454005	**MW-215**	EPA 8260B	652004		
10503454006	**MW-209**	EPA 8260B	652127		
10503454007	**MW-211**	EPA 8260B	652127		
10503454008	**MWR-6**	EPA 8260B	652132		
10503454009	**Trip Blank**	EPA 8260B	652132		

Pace Analytical®
www.pacelabs.com

AOC 1396 - P66 - Westlake

CHAIN-OF-CUSTODY / Analytical Request Docu

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed a

WO# : 10503454

10503454

Section A Required Client Information:

Company:	ATC Group Services
Address:	6347 Seaview Ave NW
Email To:	Elisabeth.Silver@atcgi.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Elisabeth Silver
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	~~8376~~

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NWTPH-Gx	BTEX	TPH-DX for diesel, oil & kerosene	VOCs	Naphthalene	Total Lead	Dissolved Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-216			12-18-19	1015														X	X	X	X	X	X		001
2	MW-217			12-18-19	1555														X	X	X	X	X	X		002
3	MW-218			12-18-19	1300														X	X	X	X	X	X		003
4	MW-213			12-18-19	1515														X	X		X	X	X		004
5	MW-215			12-18-19	1555														X	X		X	X	X		005
6	MW-209			12-19-19	1250														X	X		X	X	X		006
7	MW-211			12-19-19	1335														X	X		X	X	X		007
8	MWR-6			12-19-19	1630														X	X	X	X	X	X		008
9	Trip blank				1300														X	X						009
10																										
11																										
12																										

* TPH-DX for Diesel, oil and kerosene

Requested Analysis Filtered (Y/N)

Pace Project No./ Lab I.D.

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	A Degefa	12-19-19	1415		12-19	1415	—	Y	N	Y
		12-19	1700	Pace	12/20	1125	4.8 4.6	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: A Degefa

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 14Nov2019 Page 1 of 1
	Document No.: **F-MN-L-213-rev.30**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: ATC

Project #: **WO#: 10503454**

PM: JMG **Due Date: 12/27/19**

CLIENT: ATC_WA

Courier: ☐Fed Ex ☐UPS ☐USPS ☐Client ☐Pace ☐SpeeDee ☐Commercial **See Exceptions** ☒

Tracking Number: 4934 3734 3199

Custody Seal on Cooler/Box Present? ☒Yes ☐No **Seals Intact?** ☒Yes ☐No **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Packing Material: ☒Bubble Wrap ☒Bubble Bags ☐None ☐Other:_____ **Temp Blank?** ☒Yes ☐No

Thermometer: ☐T1(0461) ☐T2(1336) ☒T3(0459) ☐T4(0254) ☐T5(0489) **Type of Ice:** ☒Wet ☐Blue ☐None ☐Dry ☐Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 4.8 °C

Correction Factor: TNC **Cooler Temp Corrected w/temp blank:** 4.8 °C

Average Corrected Temp (no temp blank only): ☐See Exceptions ☐1 Container _____ °C

USDA Regulated Soil: (☒ N/A, water sample/Other:_____)

Date/Initials of Person Examining Contents: CEG 12/20/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☐No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒Yes	☐No		1.
Chain of Custody Relinquished?	☒Yes	☐No		2.
Sampler Name and/or Signature on COC?	☒Yes	☐No	☐N/A	3.
Samples Arrived within Hold Time?	☒Yes	☐No		4.
Short Hold Time Analysis (<72 hr)?	☐Yes	☒No		5. ☐Fecal Coliform ☐HPC ☐Total Coliform/E coli ☐BOD/cBOD ☐Hex Chrome ☐Turbidity ☐Nitrate ☐Nitrite ☐Orthophos ☐Other_____
Rush Turn Around Time Requested?	☐Yes	☒No		6.
Sufficient Volume?	☒Yes	☐No		7.
Correct Containers Used? -Pace Containers Used?	☒Yes ☒Yes	☐No ☐No		8.
Containers Intact?	☐Yes	☒No		9. MW-216 AG3H received broken
Field Filtered Volume Received for Dissolved Tests?	☒Yes	☐No	☐N/A	10. Is sediment visible in the dissolved container? ☐Yes ☒No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☒Water ☐Soil ☐Oil ☐Other_____	☒Yes	☐No		11. **If no, write ID/ Date/Time on Container Below:** AG1H not received for MW-216. **See Exception** ☐
All containers needing acid/base preservation have been checked?	☒Yes	☐No	☐N/A	12. Sample # 1-8 2 2 ☐NaOH ☒HNO_3 ☐H_2SO_4 ☐Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☒Yes	☐No	☐N/A	
Exceptions: VOA Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒Yes	☐No	☐N/A	Positive for Res. Chlorine? ☐Yes ☐No **pH Paper Lot#** **See Exception** ☐
				Res. Chlorine: 0-6 Roll 203619; 0-6 Strip: ; 0-14 Strip:
Extra labels present on soil VOA or WIDRO containers?	☐Yes	☐No	☒N/A	13. No headspace **See Exception** ☐
Headspace in VOA Vials (greater than 6mm)?	☐Yes	☒No	☐N/A	
Trip Blank Present?	☒Yes	☐No	☐N/A	14.
Trip Blank Custody Seals Present?	☒Yes	☐No	☐N/A	Pace Trip Blank Lot # (if purchased): 237394

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted: Elisabeth Silver Date/Time: 12/23/19 16:07

Comments/Resolution: Notified client of missing bottles for kerosene, canceled on 001. Sample 001, add naphthalene.

Project Manager Review: _____ Jenni Gross **Date:** 12/23/19

Note: Whenever there is a discrepancy affecting compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: CEG (3)

Pace Analytical®	Document Name: SCUR Exception Form – Coolers Above 6°C	Document Revised: 08Apr2019 Page 1 of 1
	Document No.: F-MN-C-298-Rev.02	Issuing Authority: Pace Minnesota Quality Office

During sample triage, this form is to be placed in each cooler that arrives above 6.0 degrees Celsius

SCUR Exceptions: **Workorder #:**

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank		
Read Temp	Corrected Temp	Average Temp

Tracking Number/Temperature	
4934 3734 3214	4.8

Other Issues		
Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

PACE Analytical Services, Inc.
Suite 200
1700 Elm Street SE
Minneapolis MN 55414

Report Date: January 02, 2020 15:07

Project: 10503454

Account #: 03787
Group Number: 2080654
PO Number: 10503454
State of Sample Origin: WA

Electronic Copy To PACE Analytical Services, Inc. Attn: Jennifer Gross

Respectfully Submitted,

Marrissa Williams
Project Manager

(717) 556-7246

To view our laboratory's current scopes of accreditation please go to https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/ . Historical copies may be requested through your project manager.

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
MW-217 Water	12/18/2019 15:55	1229729
MW-218 Water	12/18/2019 13:00	1229730
MWR-6 Water	12/18/2019 10:30	1229731

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **MW-217 Water**
10503454002
10503454

Project Name: **10503454**

Submittal Date/Time: 12/21/2019 11:46
Collection Date/Time: 12/18/2019 15:55

PACE Analytical Services, Inc.
ELLE Sample #: WW 1229729
ELLE Group #: 2080654
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015C Rev3 Feb 2007 Mod**		**mg/l**	**mg/l**	**mg/l**	
13137	Kerosene	8008-20-6	1.1	0.20	0.60	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13137	Kerosene Only 8015C GC/FID	SW-846 8015C Rev3 Feb 2007 Mod	1	193570021A	12/31/2019 06:18	Heather E Williams	1
11176	TPH by GC-FID Waters Ext.	SW-846 3510C	1	193570021A	12/24/2019 10:00	Logan M Brosemer	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-218 Water**
10503454003
10503454

Project Name: **10503454**

Submittal Date/Time: 12/21/2019 11:46
Collection Date/Time: 12/18/2019 13:00

PACE Analytical Services, Inc.
ELLE Sample #: WW 1229730
ELLE Group #: 2080654
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015C Rev3 Feb 2007 Mod**		**mg/l**	**mg/l**	**mg/l**	
13137	Kerosene	8008-20-6	1.5	0.20	0.60	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13137	Kerosene Only 8015C GC/FID	SW-846 8015C Rev3 Feb 2007 Mod	1	193570021A	12/31/2019 07:06	Heather E Williams	1
11176	TPH by GC-FID Waters Ext.	SW-846 3510C	1	193570021A	12/24/2019 10:00	Logan M Brosemer	1

*=This limit was used in the evaluation of the final result

Sample Description: **MWR-6 Water**
10503454008
10503454

Project Name: **10503454**

Submittal Date/Time: 12/21/2019 11:46
Collection Date/Time: 12/18/2019 10:30

PACE Analytical Services, Inc.
ELLE Sample #: WW 1229731
ELLE Group #: 2080654
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015C Rev3 Feb 2007 Mod**		**mg/l**	**mg/l**	**mg/l**	
13137	Kerosene	8008-20-6	0.21 J	0.20	0.60	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13137	Kerosene Only 8015C GC/FID	SW-846 8015C Rev3 Feb 2007 Mod	1	193570021A	12/31/2019 07:55	Heather E Williams	1
11176	TPH by GC-FID Waters Ext.	SW-846 3510C	1	193570021A	12/24/2019 10:00	Logan M Brosemer	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: PACE Analytical Services, Inc. Group Number: 2080654
Reported: 01/02/2020 15:07

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 193570021A	Sample number(s): 1229729-1229731		
Kerosene	N.D.	0.20	0.60

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Kerosene Only 8015C GC/FID
Batch number: 193570021A

	Chlorobenzene	Orthoterphenyl
1229729	87	81
1229730	91	89
1229731	83	87
Blank	67	90
Limits:	21-116	51-126

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

3787 W80654 1229729-31

Chain of Custody

PASI Minnesota Laboratory

Pace Analytical®
www.pacelabs.com

Workorder: 10503454 **Workorder Name:** MW-216 **Results Requested By:** 1/6/2020

Report / Invoice To	Subcontract To
Jennifer Gross Pace Analytical Seattle 596 Industry Drive, Suite 602 Tukwila, WA 98188 Phone (206)957-2426 Email: jennifer.gross@pacelabs.com	Eurofins/Lancaster ATTN: Sample Entry 2425 New Holland Pike Lancaster, PA 17601 P.O. 10503454

State of Sample Origin: WA

AGIH

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	8015 Kerosene	LAB USE ONLY
1	MW-217	12/18/2019 15:55	10503454002	Water	2	X	
2	MW-218	12/18/2019 13:00	10503454003	Water	2	X	
3	MWR-6	12/18/2019 10:30	10503454008	Water	2	X	
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Fed Ex / Pace	12/20/19 1600		
2				
3				12-21-19 1146

Comments

* Report to mdl

Cooler Temperature on Receipt 0.8 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

Client: PACE ANALYTICAL

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Date:	12/21/2019
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	Washington		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	0
Samples Chilled:	Yes	Air Quality Samples Present:	No
Paperwork Enclosed:	Yes		
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Julissa Rivera-Santa

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-03	0.8	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

AOC 1396 - P66 - Westlake

Page: of

2297737

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW
Email To: Elisabeth.Silver@atcgs.com
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: ~~37376~~

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NWTPH-Gx	BTEX	*TPH-DX for diesel, oil & kerosene	VOCs	Naphthalene	Total Lead	Dissolved Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-216			12-18-19	1015														X	X	X	X		X	X		
2	MW-217			12-18-19	1555														X	X	X	X		X	X		
3	MW-218			12-18-19	1300														X	X	X	X		X	X		
4	MW-213			12-18-19	1515														X	X		X		X	X		
5	MW-215			12-18-19	1555														X	X		X		X	X		
6	MW-209			12-19-19	1250														X	X		X		X	X		
7	MW-211			12-19-19	1135														X	X		X		X	X		
8	MWR-6			12-19-19	1030														X	X	X	X	X	X	X		
9	Trip blank				1300														X	X							
10																											
11																											
12																											

* TPH-DX for Diesel, oil and kerosene

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	A Degefa	12-19-19	1415				

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: A Degefa

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX B

FIELD NOTES / GROUNDWATER GAUGING & SAMPLING LOGS

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle, WA	Date: 06-04-19	Page 1 of 4
ATC Representative(s): B. Goulet / A. Degefa	Project: P66 - Westlake - AOC 1396	
Role: H&S oversight / Field Tech	Location: Seattle, WA	
Contact Information: (206) 781-1449	Project No: 20760000 73	Task No:
Scope of Work:	Weather: Sunny	Temperature: 65°
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
09:35	Arrive on-site. Put on Level D PPE.
09:30	Notify E. Silver of arrival on-site.
09:40	Conduct Daily Tailgate H&S meeting (B. Goulet presents)
	Prepare to conduct site walk — ATC observed site condition changes upon arrival.
~~10:35~~	ATC personnel conduct site walk — all on-site wells inaccessible (MWR-5, MWR-6, MW-45) as well as off-site well MW-219. SMW-3 could not be found.
10:35	E. Silver calls to discuss site conditions. ES instructs field staff to sample MW-50 and wells that remain accessible that were originally scheduled for 2Q - GW MS
10:45	Begin gauging activities.
11:00	B. Goulet provides H&S oversight while A. Degefa conducts field activities.
11:02	Gauge MW-50
	MOB to MW-213 & MW-214.
11:05	MW-214 full of surface runoff — empty monument

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

ATC	Field Report	FLD-100 Revision 1.0 6/1/2016

ATC Branch: Seattle, WA	Date: 06-04-19	Page 2 of 4
ATC Representative(s): B. Goulet/A. Degefa	Project: P66- Westlake - AOC 1396	
Role: H&S oversight / Field tech	Location: Seattle, WA	
Contact Information: (206) 781-1449	Project No: 2076000073	Task No:
Scope of Work:	Weather: Sunny	Temperature: 70.
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
11:16	Gauge MW-214
11:18	MOB to MW-213 — well monument full of surface runoff; remove water.
11:21	Gauge MW-213.
11:22	MOB to MW-209 & MW-210.
11:24	MW-210 full of runoff — remove H_2O.
11:26	Gauge MW-210.
11:28	MOB to MW-209. Do not have right size wrench. MOB back to vehicle.
~~11:35~~	~~Break f~~
11:35	Break for lunch.
12:05	Return from lunch.
	MOB to wells MW-209 & MW-210.
12:15	Gauge MW-209. Prepare to purge MW-209 using low-flow SOP.
12:25	Begin purging MW-209. A. Degefa conducting field activities while B. Goulet provides H&S oversight. Note: work zone is in close proximity to trolley; Grounds crew tending to vegetation near work area.
13:00	Parameters stable — collect sample.
13:05	MOB to MW-210.

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

ATC	Field Report	FLD-100
		Revision 1.0
		6/1/2016

ATC Branch: Seattle - 10282	Date: 06-04-19	Page 3 of 4
ATC Representative(s): B. Goulet / A. Degefa	Project: P66 - Westlake - AOC 1396	
Role: ~~Field Geologist~~ H&S oversight / field Tech	Location: Seattle, WA	
Contact Information: (206) 781-1449	Project No: 207600073	Task No: --
Scope of Work:	Weather: Sunny	Temperature: 70°
X Monitoring ___ Assessment __ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
	Prepare to purge MW-210.
13:17	Begin purging MW-210.
13:40	Parameters stable — collect sample.
	MOB to MW-213.
	Prepare to purge MW-213.
14:06	Begin purging MW-213. AD performing field ~~Pa~~ activities while BG provides H&S oversight. ATC vehicle is parked adj. to MW. ATG personnel move all necessary field supplies to sidewalk side of vehicle for safety purposes.
14:25	Parameters stable — collect sample.
	MOB to MW-214.
14:47	Begin purging MW-214.
15:20	Parameters stable — collect sample.
	MOB back to site — dispose of bucket contents (purge H_2O) in waste drum.
15:35	MOB to MW-50.
15:40	Begin purging MW-50.
16:05	Parameters stable — collect sample.
16:11	Decon equip.; close well; dispose of remaining purge H_2O.

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

ATC	Field Report	FLD-100
		Revision 1.0
		6/1/2016

ATC Branch: Seattle - 10282	Date: 06.04.19	Page 4 of 4
ATC Representative(s): B. Goulet / A. Degefa	Project: P66 - Westlake - AOC 1396	
Role: ~~Field Geologist~~ H&S oversight / Field Tech	Location: Seattle, WA	
Contact Information: (206) 781-1449	Project No: 207600073	Task No: --
Scope of Work:	Weather: Sunny	Temperature: 70°
X Monitoring ___ Assessment __ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
	~7 gal emptied into drum.
16:40	MOB off-site to office.
15:15	End of day.

BG

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

Monitor Well Gauging Log

FLD-102
Revision 0.0
Jul-08

ATC Branch: Seattle, WA

Date: 06-04-19

Page 1 of 1

ATC Representative(s): B. Goulet / A. Degefa

Project: P66 - Westlake - AOC 1396

Location: Seattle, WA

Contact Information: 206-781-1449

Project No: Z0760000 73

Task No:

Weather: Sunny

Temperature: 70.

Water Level Meter Model/ID: EnviroTape

Interface Probe Model/ID:

Well ID	Casing Diameter (inches) / Type	Time of Well Cap Removal*	Time of Gauging*	Depth To LNAPL (feet)	Depth To Water (feet)	LNAPL Thickness (feet)	Total Well Depth (feet)	Other (DTW, DO, ORP, Temp, etc)
MW-50	2"	11:02	11:04	—	10.75	—	19.50	see purge logs
MW-209	2"	12:15	12:15	—	~~8.70~~ 8.10	—	19.65	
MW-210	2"	11:26	11:26		8.70	—	19.20	
MW-213	2"	11:20	11:20	—	8.60	—	20.02	
MW-214	2"	11:16	11:16	—	8.63	—	16.70	↓
		↓						

Comments:

- MWR-1, MWR-5, MWR-6, MW-45, MW-219 inaccessible.
- SMW-3 could not be found.

Notes:

* If top of screen is submerged, allow at least 15 minutes for well equilibration following well cap removal.
All measurements to be reported to nearest 0.01 ft.

ID = Identification.
LNAPL = Light Non-Aqueous Phase Liquid.
Sheen = Discontinuous, non-measurable thickness of LNAPL (less than 0.01 ft).
Trace = Continuous, non-measurable thickness of LNAPL.

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 06-04-2019	Page 1 of 2
ATC Representative(s): A. Degefa / B. Goulet	Project: AOC 1396 P66 - Westlake Ave.	
	Location: 600 Westlake Ave N, Seattle, WA	
Contact Information: (206) 781-1449	Project No: 20760000 73	Task No:
Well ID: MW-50		
	Weather: Sun	Temperature: 74°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump ___ Peristaltic Pump Other: ____

3 Well Volumes ~~X~~ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 12.75

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information				Purging Calculations
Casing Diameter (Circle):	(2")	4"	6"	Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot):	(0.16)	0.65	1.47	WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 16.70
Depth to Water (DTW)(feet): 10.75	Water Column (WC)(feet): 5.95
LNAPL Thickness (ft): —	Purging Start Time: 1540

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1550	11.15	0.45	21.81	1034	clear	0.93	6.70	-86.7	—
1553	11.24	0.55	21.88	1032	clear	0.63	6.71	-88.1	—
1556	11.26	0.75	21.58	1036		0.53	6.71	-87.1	—
1559	11.32	0.85	21.58	1025		0.45	6.71	-89.0	—
1602	11.34	0.90	21.59	1037		0.36	6.70	-90.4	—

Sample Data

Sample ID: MW-50	Time of Sample: 1605	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): 130 ml/min.
Recovery Type: X Fast ____ Slow	% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle, WA
Date: 06-04-2019
Page 1 of 2

ATC Representative(s): A. Degefa / B. Goulet
Project: ADC 1396 - P66 Westlake Ave
Location: 660 Westlake Ave N, Seattle, WA
Contact Information: (206) 781-1449
Project No: 20760000073
Task No: 7601

Well ID: MW-209

Weather: SUN
Temperature: 65°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**
Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**
Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____
3 Well Volumes X Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 10.10
Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter (Circle): (2") 4" 6" Other
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):
WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): /
Total Well Depth (feet): 19.65
Depth to Water (DTW)(feet): 8.10
Water Column (WC)(feet): 11.55
LNAPL Thickness (ft): /
Purging Start Time: 12:25

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
12:35	8.25	0.40	18.32	856	Clear	1.85	6.91	-86.6	/
12:38	8.25	0.55	18.18	854	»	1.39	6.90	-87.2	/
12:41	8.28	0.65	18.04	852	»	0.90	6.90	-87.7	/
12:44	8.30	0.75	17.94	851	»	0.70	6.89	-88.0	/
12:47	8.30		17.96	851	»	0.60	6.89	-89.3	/

Sample Data

Sample ID: MW209	Time of Sample: 13:00	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):
Approximate Flow Rate (GPM): 150 ml/min
Recovery Type: X Fast ____ Slow
% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle, WA	Date: 06-04-2019	Page of
ATC Representative(s): A. Degefa / B. Bouvet	Project: AOC 1306 P66 - Westlake Ave	
	Location: 600 Westlake Ave N, Seattle, WA	
Contact Information: (206) 781-1449	Project No: Z0760000 73	Task No: 7601
Well ID: MW-210		
	Weather: Sun	Temperature: 70°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____

3 Well Volumes ~~X~~ Low Flow ~~X~~ Micro Purge ____ Intake Depth (feet below TOC) 10.70

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information					Purging Calculations
Casing Diameter (Circle):	(2")	4"	6"	Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot):	0.16	0.65	1.47		WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): /	Total Well Depth (feet): 19.20
Depth to Water (DTW)(feet): 8.70	Water Column (WC)(feet): 10.50
LNAPL Thickness (ft): /	Purging Start Time: 1317

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1327	8.00	0.25	18.98	834	Clear	0.53	6.78	-75.4	/
1330	8.00	0.35	18.97	8.32	»	0.39	6.76	-77.9	/
1333	8.03	0.75	19.02	8.31	»	0.36	6.76	-79.5	/
1335	8.05	0.95	19.00	833	»	0.35	6.75	-80.3	/

Sample Data

Sample ID: MW-210	Time of Sample: 1340	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): 110 ml/min
Recovery Type: X Fast ____ Slow	% Recovery = 400%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle, WA
Date: 06-04-2019
Page of
ATC Representative(s): A. Degefa / B. Goulet
Project: AOC 1396 P66 - Westlake Ave
Location: 600 Westlake Ave N. Seattle, WA
Contact Information: (206) 781-1449
Project No: 207600073
Task No: 7601

Well ID: MW-213

Weather: Sun
Temperature: 70°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**
Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**
Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____
3 Well Volumes X Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 8.80
Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter (Circle): (2") 4" 6" Other
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):
WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): /
Total Well Depth (feet): 20.02
Depth to Water (DTW)(feet): 8.60
Water Column (WC)(feet): 20.02 11.42
LNAPL Thickness (ft): /
Purging Start Time: 1406

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1416	8.75	0.30	19.68	564	clear	3.06	7.32	-27.1	/
1419	8.78	0.35	19.90	564	»	2.95	7.32	-15.5	/
1422	8.92	0.45	19.93	566	»	2.95	7.33	-16.7	/
1425	9.20	0.60	19.92	567	»	2.94	7.34	-14.6	/

Sample Data

Sample ID: MW-213	Time of Sample: 1425	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):
Approximate Flow Rate (GPM): 130 ml/min
Recovery Type: X Fast ____ Slow
% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle, WA	Date: 06-04-2019	Page of
ATC Representative(s): A. Degefa / B. Goulet	Project: AOC1369 PGG - Westlake Ave Location: 600 Westlake Ave N, Seattle, WA	
Contact Information: (206) 781-1449	Project No: 207600073	Task No: 7601
Well ID: MW-214	Weather: Sun	Temperature: 72°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____

3 Well Volumes ~~X~~ Low Flow ~~X~~ Micro Purge ____ Intake Depth (feet below TOC) 10.63

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter **(Circle)**: (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47	WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): /	Total Well Depth (feet): 16.70
Depth to Water (DTW)(feet): 8.63	Water Column (WC)(feet): 8.07
LNAPL Thickness (ft): /	Purging Start Time: 1447

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1507	9.20	0.40	18.57	507	Clear	0.47	7.04	41.8	—
1510	9.30	0.65	18.74	510	"	0.51	7.02	42.4	/
1513	9.36	0.85	18.73	512	"	0.59	7.02	41.6	/
1516	9.41	1.20	18.45	516	"	0.57	7.01	40.9	/

Sample Data

Sample ID: MW-214	Time of Sample: 1520	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): 130ml/min
Recovery Type: X Fast ____ Slow	% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Drum Inventory Log

FLD-108
Revision 0.0
Jul-08

ATC Branch: Seattle, WA 76	Date: 06-04-19	Page 1 of 1
ATC Representative(s): B. Goulet / A. Degefa	Project: P66 - Westlake - AOC 1396	
Contact Information: 206-781-1449	Location: Seattle, WA	
Scope of Work:	Project No: 207600073	Task No:
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor:	

Drum ID	Source ID(s)	Type of Material (Soil / Sludge / Water)	Quantity of Material in Drum	Date Waste Generated
16-gal closed-top	purge/decon	water	~7 gal	06/04-05/2019

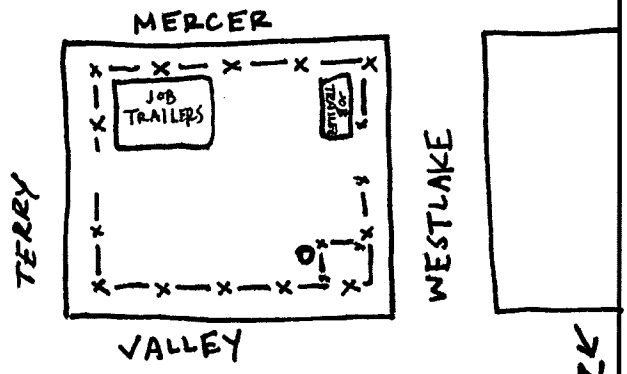
Comments:

Photographs (Y/N)

Date Drum Pickup Scheduled:

Verified Pick up:

Drum Location Sketch:



# of Drums From This Event: 1

Total # of Drums at Site:

1L Amber
HCL
Kerosene
wet 8015

ATC

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282	Date: 12-18-19
	Page 1 of 2
ATC Representative(s): A. Degefa, J. Teresi	Project: P66 Westlake - AOC 1396
Role: Field Geologist, staff scientist	Location: 600 Westlake Ave. N
Contact Information: (206) 781-1449	Project No: Z076000073
	Task No: --
Scope of Work:	Weather: overcast
	Temperature: ~45°F
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: Althus, GLC

Time:	Comments:
0835	ATC onsite; Althus Traffic Control already onsite
0845	HASP reviewed & signed
0910	Meet with J.P. Maloit(?) w/ GLC to ID onsite wells
0930	~~Move to MW~~ Tried to locate some of the MW on the construction block. Most of the wells covered by Equipment / under construction trails. Altus blocked street to set up.
9:30	Mob to MW-216, set up inner exclusion zone on the side of the Van using two cones and a caution tape. AD started watching safety and JT works on sampling
9:46	Start purging MW-216
9:56	JT. start reading YSI parameters @ MW-216
10:15	start sampling MW-216.
10:30	Communicated E. Silver (PM) about site set up and sampling progress. Also communicated Pace Analytical (Lab) Regarding sample bottle requirements for the analytes required.
1055	Done sampling @ MW-216
11:05	Mob to MW-217
11:12	Gauge MW-217

Equipment Used: YSI, peristaltic

Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282	Date: 12-18-19	Page 2 of 2
ATC Representative(s):	Project:	
Role: Field Geologist	Location:	
Contact Information: (206) 781-1449	Project No:	Task No: --
Scope of Work: ___ Monitoring ___ Assessment __ Remediation ___ Closure	Weather:	Temperature:
	Contractor:	

Time:	Comments:
1130	Start Parameter reading @ MW-217
1155	Sample MW-217
1220	Mob to mw-218, set up Excusion line
1300	sample MW-218
1310	demob; Altus notified & takes away cones, Dump decon water
1330	lunch + bathroom break, get decon water from Store
1400	Mob to MW-213
1410	All parking spots closest to the well occupied ATC personnel tried to figure out how to set up around the wells.
1440	found spot to park close by MW-213 Carry Equipment by hand to the well & setup
1450	Start purging MW-213
1515	Sample MW-213
1520	decon Equipment, Mob to MW-215, set up
1527	Purge MW-215 Starts.
1537	Parameter reading at MW-215 Starts.
1555	Sample MW-215
1610	finalize decon equipment
1615	let PM we are leaving Site
1620	left site to the office.

Equipment Used:

Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282
ATC Representative(s): A. Degefa / J. Tersi
Role: Field Geologist
Contact Information: (206) 781-1449
Scope of Work:
___ Monitoring ___ Assessment __ Remediation ___ Closure

Date: 12-19-19
Page 1 of 3
Project: AOC 1396 P66 - Westlake
Location: 600 Westlake Ave
Project No: 70360000073
Task No: --
Weather: Rain
Temperature: 40°
Contractor:

Time:	Comments:
9:00	ATC arrives onsite. AD & JT done the H&S meeting. Parking area very limited.
9:20	JT & AT Mob to Open MW-45 under the trailer structure.
9:30	Mob Equipment, walk to the well location. No parking Close to min well.
9:40	JT open supposed MW-45. IT apears to be a soil gas sampling borehole which looked like MW-45 on the surface and on the map. ATC tried to find the MW-45 / MWR5 pair in that area but could not find them.
9:50	ATC contacted Mr. JP of City Construction to try to move Part of the fence to get access to Sample MWR-6
1005	Fence opened, ATC set up at MWR-6
1000	Start purging at MWR-6
10:30	Start Sample
10:45	Finish samping MW-R6
10:45	Contacted City person to Close Part of the fence removed for sampling

Equipment Used:

Contractor Hours (per Person):
Staff / Technician Hours:
Mileage:
Copies To:
Project Manager:
Reviewed By:

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282	Date: 12-19-19	Page 2 of 3
ATC Representative(s): A. Degefa / J. Teresi	Project: 1396 P66 - Westlake	
Role: Field Geologist A	Location: 600 Westlake Ave.	
Contact Information: (206) 781-1449	Project No: Z0760000073	Task No: --
Scope of Work:	Weather: Rain	Temperature: 40°
☒ Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor:	

Time:	Comments:
10:50	load Equipment back to the Van and mob to look for MW-219
10:55	MW-219 Could not be located, It is not found in the planter beds around the area on the map / site location
11:00	ATC mob to MW-211 set up Exclusion zone
11:11	Gauge MW-211
11:12	start purging MW-211
11:22	Start reading parameters
1135	parameter stabilize, start sampling MW-211
1135	ATC - Joey-T moved to the Construction Compound to find about more information about the wells MWR-5 / MW-45 covered under the trailers while AD waited at MW-209 location.
1210	ATC Could not locate MWR-5 & MW-45 because the two are covered by GLY Construction trailers & big metal Equipments.
1212	Mob to location Of MWR-3

Equipment Used:

Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

ATC	Field Report	FLD-100 Revision 1.0 6/1/2016

ATC Branch: Seattle - 10282	Date: 12-19-19	Page 3 of 3
ATC Representative(s): A. Degefa / J. Teresi	Project: AOC 1396 P66- Westlake	
Role: Field Geologist	Location: 600 Westlake Ave	
Contact Information: (206) 781-1449	Project No: 7076000673	Task No: --
Scope of Work:	Weather: Rain	Temperature: 40°
X Monitoring ___ Assessment __ Remediation ___ Closure	Contractor:	

Time:	Comments:
1220	MWR-3 could not be located on site, It apears covered under concrete / gravel layer. Metal detector and a shovel has been used to find it.
1222	Set up at the adjacent MW-209 location
1225	start purging MW-209
1235	done sampling MW-209
1240	start decon Equipment, Pack and Remove Excusion zone
1300	mob to the Compound to dump decon water.
1310	dump decon water, Notify PM - that job is done -
1315	leave site to the office
	END

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

Monitor Well Gauging Log

FLD-102
Revision 0.0
Jul-08

ATC Branch: Seattle - 10282

Date: 12-18-19/12-19-19

Page of

ATC Representative(s): A. Degeta | Joseph T

Project: AOC 1396 P66 Westlake

Location: 600 Westlake Ave N, Seattle

Contact Information: (206) 781-1449

Project No: 70760100 73

Task No:

Weather: Overcast

Temperature: 40°

Water Level Meter Model/ID: EnviroTape

Interface Probe Model/ID:

Well ID	Casing Diameter (inches) / Type	Time of Well Cap Removal*	Time of Gauging*	Depth To LNAPL (feet)	Depth To Water (feet)	LNAPL Thickness (feet)	Total Well Depth (feet)	Other (DTW, DO, ORP, Temp, etc)
MW-216	~~2"~~ 4"	9:35	9:37	—	13.92	—	25.00	
MW-217	2"	11:10	11:12	—	14.35	—	24.50	
MW-218	2"	1225	1227	—	14.83		25.10	
MW-211	2"	1109	1111	—	9.35		20.12	
MW-213	2"	14:45	14:47	—	10.30	—	20.20	
MW-215	2"	15		—	10.40	—	16.90	
MW-45	-	-	-	-	-	-	-	could not be found
MW-5	-	-	-	-	-	-	-	could not be found
MWR-6	2"	10:06	10:08	—	13.02	—	17.82	
MW-219	-	-	-	-	-	-	-	Could not be located.
MWR-3	-	-	-	-	-	-	-	
MW-209	2" ~~2"~~	1220	1222	—	9.65	—	19.65	

Comments:

Notes:

* If top of screen is submerged, allow at least 15 minutes for well equilibration following well cap removal.
All measurements to be reported to nearest 0.01 ft.

ID = Identification.
LNAPL = Light Non-Aqueous Phase Liquid.
Sheen = Discontinuous, non-measurable thickness of LNAPL (less than 0.01 ft).
Trace = Continuous, non-measurable thickness of LNAPL.

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282
Date: 12/18/19
Page of

ATC Representative(s): A. Degefa / J. Teresi
Project: AOC 1396 p66 - Westlake
Location:
Contact Information: (206) 781-1449
Project No:
Task No:

Well ID: MW-216
Weather:
Temperature:

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**
Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**
Decontamination Method: **Alconox/DI Water**

Purging Method: _____ PVC Bailer _____ Vacuum Truck _____ Submersible Pump ___ Peristaltic Pump Other: _____

3 Well Volumes _____ Low Flow ____ Micro Purge _____ Intake Depth (feet below TOC) _____

Sampling Method: _____ Teflon Bailer _____ Disposable Bailer ____ Dedicated Tubing Other: _____

Casing Volume Information

Casing Diameter **(Circle)**: (2") 4" 6" Other
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):
WC _____ x CM _____ = _____ (CV)(gal) x 3.0 CV (gal) = _____ PV

Monitoring Measurements

Depth to LNAPL (feet): —
Total Well Depth (feet): 25.00
Depth to Water (DTW)(feet): 13.92
Water Column (WC)(feet):
LNAPL Thickness (ft): —
Purging Start Time: 9:46

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
9:56	14.72	0.50	15.39	828	Clear	0.53	6.89	-87.2	—
9:59	14.80	0.70	15.33	825	»	0.57	6.88	-82.6	—
10:02	14.82	0.80	15.38	828	»	0.67	6.88	-90.5	—

Sample Data

Sample ID: MW-216
Time of Sample: 10:15

Container Types, Volumes, & Quantities:

	Filtered (yes/no)	Preservatives	Analytical Parameters
6-40ml VOAs	NO	HCl	Gx, VOCs
2-250ml PE	NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):
Approximate Flow Rate (GPM):
Recovery Type: _____ Fast _____ Slow
% Recovery =

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282
Date: 12-18-19
Page of

ATC Representative(s): A. Degeta / Joseph Terosi
Contact Information: (206) 781-1449
Project: AOC 1396 - P66 Westlake
Location: 600 Westlake Ave N.
Project No: Z0760b0073
Task No:

Well ID: MW-217
Weather: Overcast
Temperature: 40°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**
Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**
Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____
3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 17.0
Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter **(Circle)**: (2") 4" 6" Other
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):
WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): —
Total Well Depth (feet): 24.50
Depth to Water (DTW)(feet): 14.35
Water Column (WC)(feet): 10.15
LNAPL Thickness (ft): —
Purging Start Time: 1118

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1128	14.51	0.50	15.18	1001	Clear	0.22	6.80	-90.9	—
1131	~~14.57~~	0.75	15.46	998	"	0.24	6.78	-101.8	—
1134	14.55	0.90	15.68	996	"	0.21	6.76	-98.7	—
1137	14.55	1.20	15.72	995	"	0.13	6.75	-100.1	—

Sample Data

Sample ID: MW-217
Time of Sample: 1155

Container Types, Volumes, & Quantities:

	Filtered (yes/no)	Preservatives	Analytical Parameters
6-40ml VOAs	NO	HCl	Gx, VOCs
2-250ml PE	NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):
Approximate Flow Rate (GPM):
Recovery Type: X Fast ____ Slow
% Recovery = 100

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle, WA	Date: 12-18-15	Page of
ATC Representative(s): A. Deffek / Joey T	Project: ADC1396 P60 - Westlake	
Contact Information: (206) 781-1449	Location: 600 Westlake Ave	
	Project No: 2076000073	Task No:
Well ID: MW-218		
	Weather: Overcast	Temperature: 40°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) ~17'

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information					Purging Calculations
Casing Diameter (Circle):	(2")	4"	6"	Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot):	0.16	0.65	1.47		WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 25.10
Depth to Water (DTW)(feet): 14.83	Water Column (WC)(feet): 10.27
LNAPL Thickness (ft): —	Purging Start Time: 12:37

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
12:47	14.12	0.50	15.87	1156	clear	0.25	6.82	-94.9	—
12:50	14.14	0.75	15.84	1153	"	0.19	6.82	-97.4	—
12:53	14.15	1.00	15.90	1151	"	0.16	6.82	-99.0	—

Sample Data

Sample ID: MW-218 Time of Sample: 13:00	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:			
6-40ml VOAs	NO	HCl	Gx, VOCs
2-250ml PE	NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM):
Recovery Type: X Fast ____ Slow	% Recovery = 100

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282
Date: 12-18-19
Page of

ATC Representative(s): A. Degefa, J. Teresi
Project: P66 - Westlake AOC# 1396
Location: 600 Westlake Ave N, Seattle

Contact Information: (206) 781-1449
Project No: 2076008073
Task No:

Well ID: MW-213

Weather: Overcast
Temperature: ~45°F

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**
Interface Probe (Model/ID): **NA**

Water Quality Meter (Model/ID): **YSI 556 MPS**
Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) ~12'

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter (Circle): (2") 4" 6" Other

Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):

WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): —
Total Well Depth (feet): 20.20'

Depth to Water (DTW)(feet): 10.30'
Water Column (WC)(feet): 9.90'

LNAPL Thickness (ft): —
Purging Start Time: 1450

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1500	10.94	0.55	14.68	570	clear	3.11	7.32	31.8	—
1503	11.00	0.75	14.75	574	"	2.88	7.30	31.8	—
1506	11.05	0.80	14.81	574	"	2.62	7.30	31.7	—
1509	11.12	1.00	14.85	576	"	2.48	7.29	31.9	—

Sample Data

Sample ID: MW-213
Time of Sample: 1515

Container Types, Volumes, & Quantities:

6-40ml VOAs
2-250ml PE

Filtered (yes/no)	Preservatives	Analytical Parameters
NO	HCl	Gx, VOCs
NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):
Approximate Flow Rate (GPM):

Recovery Type: X Fast ____ Slow
% Recovery = 100

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 12-18-19	Page of
ATC Representative(s):	Project:	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: MW-215	Weather:	Temperature:

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter **(Circle)**: (2") 4" 6" Other

Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):

WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 16.90'
Depth to Water (DTW)(feet): 10.40'	Water Column (WC)(feet): 6.50'
LNAPL Thickness (ft): —	Purging Start Time: 1527

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1537	10.50	0.50	14.18	850	Clear	0.50	6.68	-38.3	—
1540	10.50	0.65	14.15	851	»	0.49	6.65	-38.7	—
1543	10.50	0.75	14.24	854	»	0.35	6.59	-37.1	—
1546	10.50	0.100	14.34	855	»	0.33	6.56	-36.6	—

Sample Data

Sample ID: MW-215	Time of Sample: 1555	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM):
Recovery Type: X Fast ____ Slow	% Recovery = 100

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 12-19-19	Page 1 of
ATC Representative(s): A. Dejefa / Joey T	Project: P66 - Westlake AOC1396	
Contact Information: (206) 781-1449	Location: 600 Westlake Ave	
	Project No: 20760000.73	Task No:
Well ID: MWR-6		
	Weather: Overcast	Temperature: ~45°F

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: _____ PVC Bailer _____ Vacuum Truck _____ Submersible Pump ___ Peristaltic Pump Other: _____

3 Well Volumes _____ Low Flow X Micro Purge _____ Intake Depth (feet below TOC) 15.0

Sampling Method: _____ Teflon Bailer _____ Disposable Bailer X Dedicated Tubing Other: _____

Casing Volume Information

Casing Diameter (Circle): (2") 4" 6" Other

Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):

WC _____ x CM _____ = _____ (CV)(gal) x 3.0 CV (gal) = _____ PV

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 17.82
Depth to Water (DTW)(feet): 13.02	Water Column (WC)(feet): 4.80
LNAPL Thickness (ft): —	Purging Start Time: 10:09

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
10:19	13.65	0.50	14.87	993	Clear	0.39	6.91	-81.2	—
10:22	13.70	0.65	14.99	988	"	0.35	6.90	-82.7	—
10:25	13.78	0.95	15.20	989	"	0.29	6.89	-83.2	—

Sample Data

Sample ID: MWR-6	Time of Sample: 10:30	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): 130ml/min
Recovery Type: X Fast _____ Slow	% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 12-19-19	Page of
ATC Representative(s): Aynalem Deyeh / Joey Terr.	Project: Arc 1396 - P66 Westlake	
Contact Information: (206) 781-1449	Location: 600 Westlake Ave	
	Project No: To76000073	Task No:
Well ID: MW-211		
	Weather: Rain	Temperature: 40°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**	Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**	Decontamination Method: **Alconox/DI Water**

Purging Method: _____ PVC Bailer _____ Vacuum Truck _____ Submersible Pump ___ Peristaltic Pump Other: _____

3 Well Volumes _____ Low Flow X Micro Purge _____ Intake Depth (feet below TOC) 12.50

Sampling Method: _____ Teflon Bailer _____ Disposable Bailer X Dedicated Tubing Other: _____

Casing Volume Information

Casing Diameter (Circle):	2"	4"	6"	Other
Casing Multiplier (CM)(gallons/foot):	0.16	0.65	1.47	

Purging Calculations

Casing Volumes (CV):

WC _____ x CM _____ = _____ (CV)(gal) x 3.0 CV (gal) = _____ PV

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 20.12
Depth to Water (DTW)(feet): 9.35	Water Column (WC)(feet): 10.77
LNAPL Thickness (ft): —	Purging Start Time: 1112

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1122	9.80	0.50	13.96	889	Clear	0.27	7.25	-77.6	—
1125	9.80	0.75	14.01	890	"	0.25	7.25	-78.6	—
1128	9.80	1.00	14.15	843	"	0.20	7.26	-81.0	—

Sample Data

Sample ID: MW-211	Time of Sample: 1135	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): 140-1 l/min
Recovery Type: X Fast _____ Slow	% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282
Date: 12-19-19
Page of

ATC Representative(s): A. Degeta / J. Teresi
Project: AOC 396 P66 - Westlake
Location: 600 Westlake Ave
Contact Information: (206) 781-1449
Project No: 70760000073
Task No:

Well ID: MW-209

Weather: Rain
Temperature: 40°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): **Envirotape**
Interface Probe (Model/ID): **NA**
Water Quality Meter (Model/ID): **YSI 556 MPS**
Decontamination Method: **Alconox/DI Water**

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump X Peristaltic Pump Other: ____
3 Well Volumes ____ Low Flow K ____ Micro Purge ____ Intake Depth (feet below TOC) ____
Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter (Circle): 2" 4" 6" Other
Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47

Purging Calculations

Casing Volumes (CV):
WC ____ x CM ____ = ____ (CV)(gal) x 3.0 CV (gal) = ____ PV

Monitoring Measurements

Depth to LNAPL (feet): —
Depth to Water (DTW)(feet): 9.65
LNAPL Thickness (ft): —
Total Well Depth (feet): 19.65
Water Column (WC)(feet): 10.00
Purging Start Time: 1225

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1235	9.90	0.55	14.57	719	Clear	0.33	7.15	-80.8	—
1238	9.90	0.75	14.62	726	»	0.28	7.15	-83.1	—
1241	9.90	0.00	14.50	740	»	0.24	7.15	-85.2	—

Sample Data

Sample ID: MW-209
Time of Sample: 1250

Container Types, Volumes, & Quantities:	Filtered (yes/no)	Preservatives	Analytical Parameters
6-40ml VOAs	NO	HCl	Gx, VOCs
2-250ml PE	NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):
Approximate Flow Rate (GPM): 140ml/min
Recovery Type: K Fast ____ Slow
% Recovery = 100%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

APPENDIX C

DISPOSAL DOCUMENTATION

475732

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A	1 of 2	(800) 337-7455	P66W-031120-01

GENERATOR

5. Generator's Name and Mailing Address
Phillips 66
76 Broadway
Sacramento, CA 95818
Generator's Phone: (916) 558-7600 Attn: Ed Rakton

Generator's Site Address (if different than mailing address)
Phillips 66 Westlake (ADC 1396)
600 Westlake Avenue N
Seattle, WA 98109

6. Transporter 1 Company Name: DH Environmental, Inc. — U.S. EPA ID Number: WAH000047217

7. Transporter 2 Company Name: Chemical Waste Management of the Northwest — U.S. EPA ID Number: ORD089452353

8. Designated Facility Name and Site Address
Chemical Waste Management of the Northwest
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2643
U.S. EPA ID Number: ORD089452353

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Material Not Regulated by DOT (non-regulated IDW water)	01	DM	15	G	X004
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1. OR344255 – STAB01

WMNM 970230

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: * Elisabeth Silver — Signature: [signature] — Month 3 Day 4 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Leonard J. Warnock — Signature: [signature] — Month 03 Day 11 Year 20

Transporter 2 Printed/Typed Name: G Pinaula — Signature: [signature] — Month 3 Day 11 Year 2020

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Dawn Dunlop — Signature: [signature] — Month 3 Day 19 Year 20

gm

CWMI

475732

NON-HAZARDOUS WASTE MANIFEST (Continuation Sheet)	19. Generator ID Number	20. Page 2 of 2	21. Waste Tracking Number
	N/A		P66W-031120-01

22. Generator's Name: PHILLIPS 66 (ADC 1396)

23. Transporter 3 Company Name: UNION PACIFIC RAILROAD — U.S. EPA ID Number: NED017922910

24. Transporter 4 Company Name: COLUMBIA RIDGE LANDFILL — U.S. EPA ID Number: ORD987173457 — KD3-18-20

GENERATOR

	25. Waste Shipping Name and Description	26. Containers No.	26. Containers Type	27. Total Quantity	28. Unit Wt./Vol.	
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						

29. Special Handling Instructions and Additional Information

CONTAINER # WMXU 970230

TRANSPORTER

30. Transporter 3 Acknowledgment of Receipt of Materials

Printed/Typed Name: Jason Shearer — Signature: [signature] — Month: 3 Day: 13 Year: 20

31. Transporter 4 Acknowledgment of Receipt of Materials

Printed/Typed Name: Brittney Hawins — Signature: Brittney Hawins — Month: 3 Day: 17 Year: 20

DESIGNATED FACILITY

32. Discrepancy