ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

GROUNDWATER MONITORING REPORT
(1st Quarter 2020 Event)

Phillips 66 Facility No. 2701476 (AOC #2063)
12660 First Avenue South
Seattle, Washington 98168
Washington State Department of Ecology LUST Program ID #5748
Washington State Department of Ecology VCP No. NW2718

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

Submitted on behalf of:
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Submitted by:
ATC Group Services LLC
6347 Seaview Avenue Northwest
Seattle, Washington 98107
ATC Project No. Z076000070
May 21, 2020

Aynalem Degefa
Staff Geologist

Elisabeth Silver, L.G.
Senior Project Manager

GROUNDWATER MONITORING REPORT
(1st Quarter 2020 Event)
Phillips 66 Facility No. 2701476 (AOC #2063)
12660 First Avenue South
Seattle, Washington 98168

SITE INFORMATION:

ATC Contact Person:	Elisabeth Silver, L.G.
Date of previous sampling event:	12/11/19-12/12/19
Current remediation technique(s):	None. Above ground Vapor and Groundwater Extraction/Air Sparge System Components Decommissioned in September 2016.
Ecology VCP Number:	NW2718

FIELD ACTIVITY 03/11 – 03/12/20:

Date(s) monitored and/or sampled:	03/11/20-03/12/20
Wells monitored:	Nine: GW-10D,GW-13S, GW-13D, GW-14S, GW-14D, GW-15S, GW-15D, GW-18S, GW-18D
Wells sampled:	Six: GW-10D, GW-13S, GW-13D, GW-14S, GW-15S, GW-15D.
Purging method:	Wells were purged prior to sampling by low flow pumping via a submersible pump and dedicated tubing.
Sampling method:	Samples were collected using low flow pumping via a submersible pump and dedicated polyethylene tubing.

SITE HYDROGEOLOGY 03/11– 03/12/120:

Minimum depth to groundwater (feet below top of casing [TOC]):	31.75 (GW-13S, upper water bearing zone).
Maximum depth to groundwater (feet below TOC):	79.54 (GW-10D, lower water bearing zone).
Average groundwater elevation (feet):	376.09 (Upper water bearing zone - GW-13S, GW-14S, GW-15S, and GW-18S) and 340.68 (Lower water bearing zone - GW-10D, GW-13D, GW-14D, GW-15D and GW-18D)
Change in average groundwater elevation since previous monitoring event (feet):	-1.02 (upper water bearing zone); +5.49 (lower water bearing zone)
Approximate groundwater gradient/flow direction:	0.25 ft./ft. southwest (upper water bearing zone); 0.005 ft./ft. south/southwest, (lower water bearing zone)
Previous groundwater gradient/flow direction (09/12/19-09/13/19):	0.016 ft./ft. southwest (upper water bearing zone); 0.016 ft./ft. southwest (lower water bearing zone)

GROUNDWATER CONDITIONS 3/11 – 3/12/19:

Minimum dissolved phase gasoline-range hydrocarbon concentration excluding "non-detects" (micrograms per liter [µg/L]):	547 (GW-15S – upper water bearing zone)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L):	35,800 (GW-14S – upper water bearing zone)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L) observed previous sampling event (September, 2019):	114,000 (GW-14S – upper water bearing zone)
Minimum dissolved phase benzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	2.0 (GW-15S – upper water bearing zone)
Maximum dissolved phase benzene concentration (µg/L):	11.8 (GW-13S – upper water bearing zone)
Maximum dissolved phase benzene concentration (µg/L) observed previous sampling event (September, 2019):	693 (GW-14S – upper water bearing zone)
Minimum dissolved phase toluene concentration excluding "non-detects" (micrograms per liter [µg/L]):	1.4 (GW-15S upper water bearing zones)
Maximum dissolved phase toluene concentration (µg/L):	1,030 (GW-14S – upper water bearing zone)
Maximum dissolved phase toluene concentration (µg/L) observed previous sampling event (September, 2019):	3,900 (GW-14S – upper water bearing zone)
Minimum dissolved phase ethylbenzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	4.2 (GW-15S – upper water bearing zone)
Maximum dissolved phase ethylbenzene concentration (µg/L):	499 (GW-14S – upper water bearing zone)

Maximum dissolved phase ethylbenzene concentration (µg/L) observed previous sampling event (September, 2019):	2,430 (GW-14S – upper water bearing zone)
Minimum dissolved phase total xylenes concentration excluding "non-detects" (µg/L):	28.2 (GW-15S – upper water bearing zone)
Maximum dissolved phase total xylenes concentration (µg/L):	2,360 (GW-14S – upper water bearing zone)
Maximum dissolved phase total xylenes concentration (µg/L) observed previous sampling event (September, 2019):	11,400 (GW-14S – upper water bearing zone)
Minimum total lead concentration excluding "non-detects" (µg/L):	2.3J (GW-15S – upper water bearing zone)
Maximum total lead concentration (µg/L):	4.4J (GW-13D – lower water bearing zone)
Maximum total lead concentration (µg/L) observed previous sampling event (September, 2019):	5.0 J (GW-13D – lower water bearing zone)
Minimum dissolved lead concentration excluding "non-detects" (µg/L):	All wells "non-detect"
Maximum dissolved lead concentration (µg/L):	All wells "non-detect"
Maximum dissolved lead concentration (µg/L) observed previous sampling event (December, 2019):	2.2J (GW-14S-upperr water bearing zone)

ADDITIONAL INFORMATION AND COMMENTS:

Based on historical quarterly data without exceedances of Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs), groundwater gauging and sampling were discontinued in the 3rd quarter 2019 in the following wells: GW7, GW8S, GW8D, GW9D, GW10S, GW11D, GW12D, GW16S, GW16D, GW17S, and GW17D.

Shallow Water Bearing Zone: During the March, 2020 event, gasoline-range hydrocarbons were detected at concentrations above the MTCA Method A CUL in wells GW-13S and GW-14S. Gasoline range hydrocarbons were detected at a concentrations below the MTCA Method A CUL in GW-15S. Benzene was detected at concentrations above the MTCA Method A CUL in GW-13S, but below MTCA Method A CUL in GW-14S and GW-15S. Toluene, and total xylenes were detected at concentrations above MTCA Method A CULs in GW-14S, but below MTCA Method A CULs in GW-13S and GW-15S. Ethylbenzene was detected below the MTCA Method A CUL in all samples. Total and dissolved lead were detected at concentrations below MTCA Method A CULs or below laboratory method reporting limits in all samples.

Deep Water Bearing Zone: Due to a prior anomalous diesel range detection in GW-10D in December 2014, diesel and heavy oil-range hydrocarbons were analyzed in the sample collected from GW-10D. Diesel and heavy oil-range hydrocarbons in GW-10D were not detected above the laboratory method reporting limit. Gasoline-range hydrocarbons were not detected above the laboratory method reporting limit in any of the samples. Benzene, toluene, ethylbenzene and total xylenes were not detected above laboratory method reporting limits in any of the samples. Total lead was detected in GW-13D at a concentration below the MTCA Method A CUL level and was not detected above laboratory method reporting limits in GW-10D and GW-15D. Dissolved lead was not detected above laboratory method reporting limits in any of the samples.

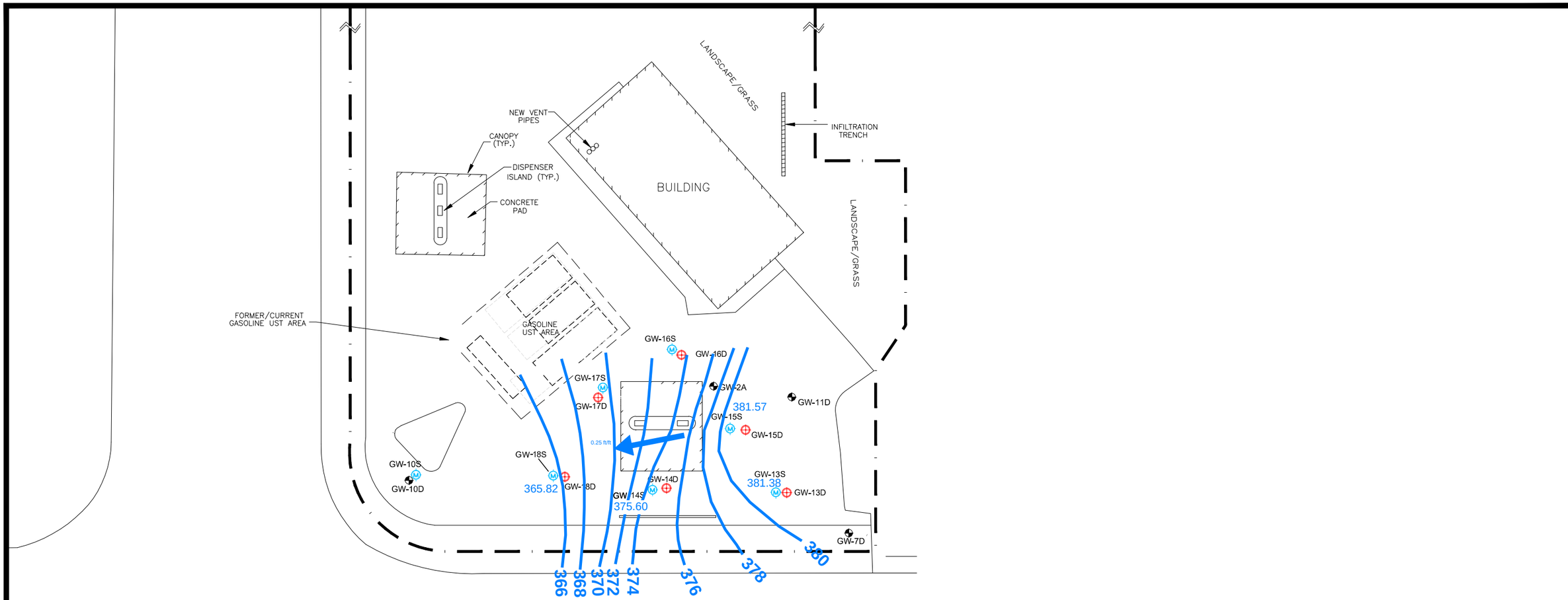
Conclusions/Recommendations

The first quarter 2020 groundwater monitoring and sampling results indicate that groundwater flow was to the south/southwest in the lower water bearing zone and southwest in the upper water bearing zones. Hydrocarbon-related impacts above Method A CULs are limited to the area to the south and southeast of the southern dispensers in the upper water bearing zone. Hydrocarbon-related impacts were not apparent in the wells sampled in the lower water bearing zone. ATC will continue to monitor these observed trends in the monitoring well network to gain a better understanding of groundwater conditions at the Site.

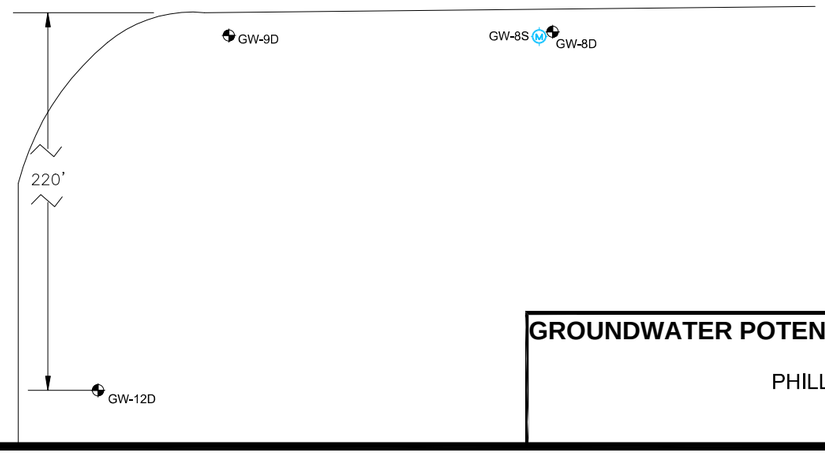
ATTACHMENTS:

Figure 1 Groundwater Potentiometric Map – Upper Water Bearing Zone (03/11/20 – 03/12/20)
Figure 2 Groundwater Potentiometric Map – Lower Water Bearing Zone (03/11/20 – 03/12/20)
Figure 3 Analytical Results Map (03/11/20 – 03/12/20)
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 Non-hazardous Waste Documentation

FIGURES



SOUTHWEST 128TH STREET



1ST AVENUE SOUTH

N

0 30 60

SCALE, FT

NOTE: ALL LOCATIONS ARE APPROXIMATE

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- APPROXIMATE SITE BOUNDARY
- 381.38 — GROUNDWATER ELEVATION
- 370 — GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION / CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT)
- 0.25 ft/ft

GROUNDWATER POTENTIOMETRIC MAP - UPPER WATER BEARING ZONE (3/11/2019 – 3/12/2019)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WASHINGTON

PROJECT NUMBER: Z076000070		DATE: 4/2/2020	FIGURE 1
APPROVED BY: ES		DRAWN BY: JT	

ATC
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Seattle, Washington 98107
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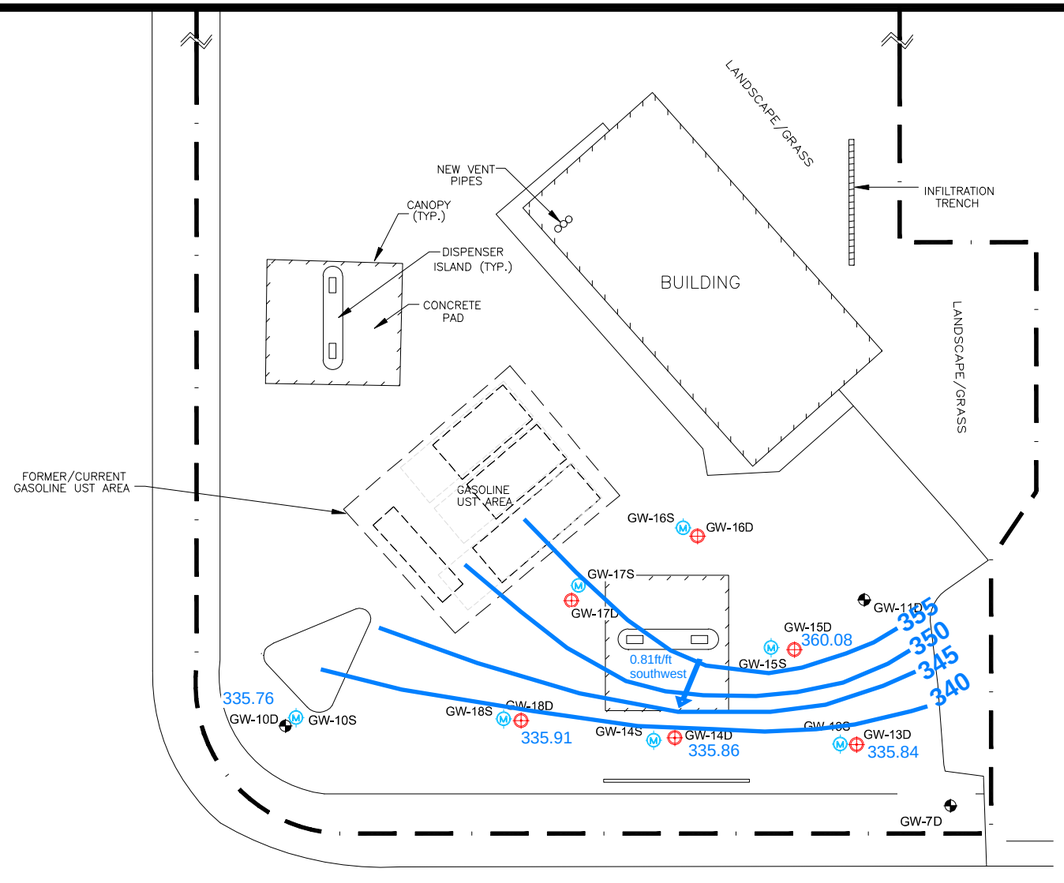
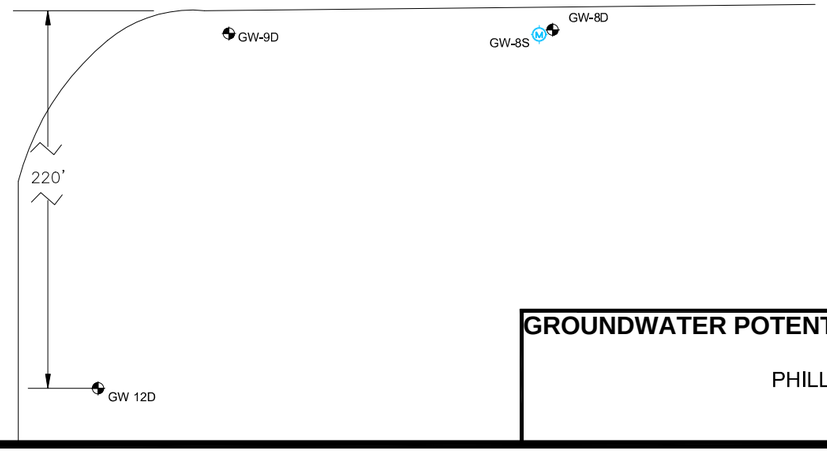


SOUTHWEST 128TH STREET



1ST AVENUE SOUTH

N

0 30 60

SCALE, FT

NOTE: ALL LOCATIONS ARE APPROXIMATE

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- 335.84 GROUNDWATER ELEVATION
- 335.85 GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION
- 0.81ft/ft southwest CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT)

GROUNDWATER POTENTIOMETRIC MAP - LOWER WATER BEARING ZONE

(03/11/2020 – 03/12/2020)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)

12660 FIRST AVENUE SOUTH

SEATTLE, WASHINGTON

PROJECT NUMBER: Z076000070	DATE: 1/2/2020	FIGURE
APPROVED BY: ES	DRAWN BY: JT	2

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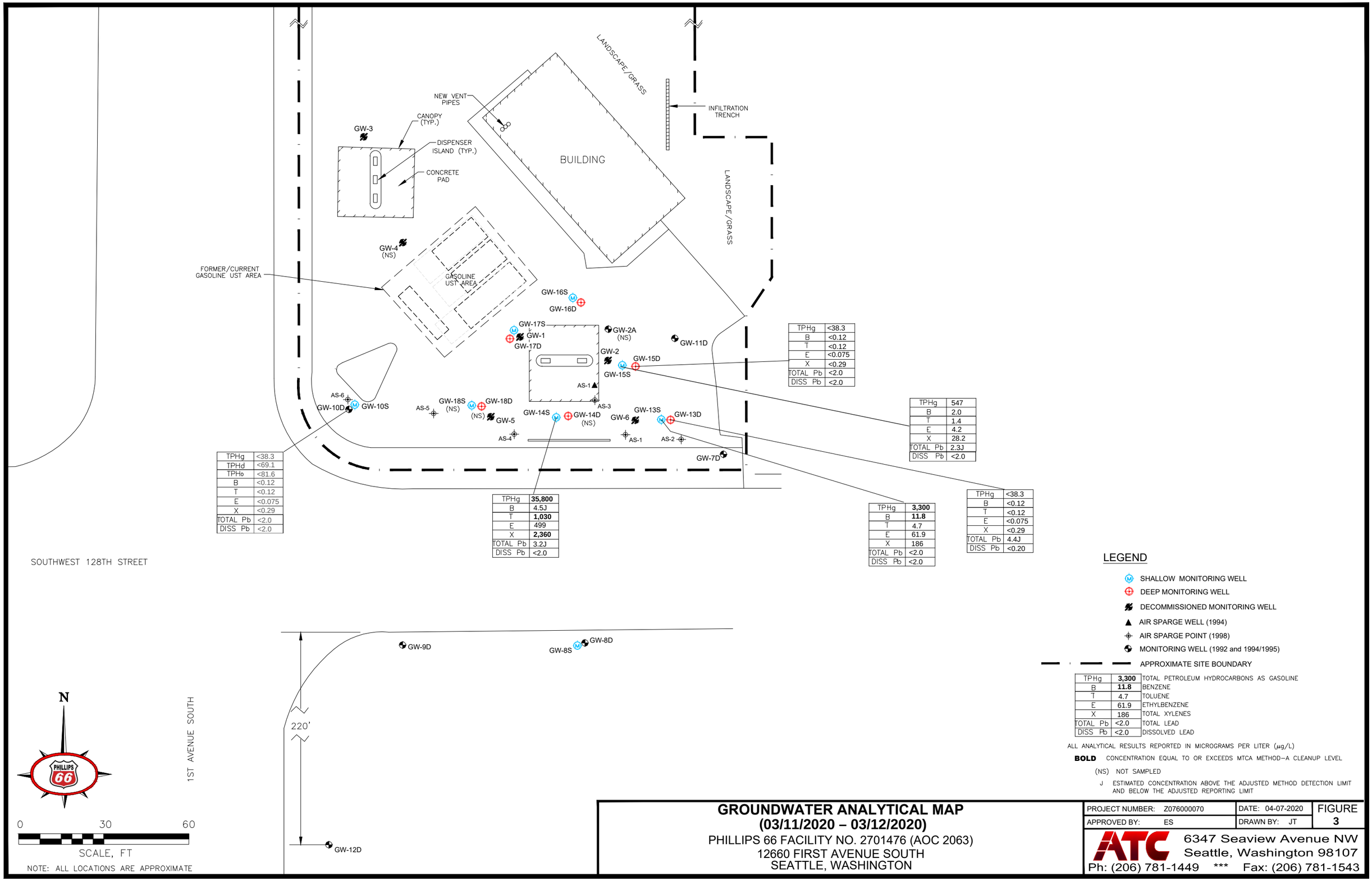

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- AIR SPARGE WELL (1994)
- AIR SPARGE POINT (1998)
- MONITORING WELL (1992 and 1994/1995)
- APPROXIMATE SITE BOUNDARY

TPHg	**3,300**	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	**11.8**	BENZENE
T	4.7	TOLUENE
E	61.9	ETHYLBENZENE
X	186	TOTAL XYLENES
TOTAL Pb	<2.0	TOTAL LEAD
DISS Pb	<2.0	DISSOLVED LEAD

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

BOLD CONCENTRATION EQUAL TO OR EXCEEDS MTCA METHOD–A CLEANUP LEVEL

(NS) NOT SAMPLED

J ESTIMATED CONCENTRATION ABOVE THE ADJUSTED METHOD DETECTION LIMIT AND BELOW THE ADJUSTED REPORTING LIMIT

GROUNDWATER ANALYTICAL MAP (03/11/2020 – 03/12/2020)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WASHINGTON

PROJECT NUMBER: Z076000070		DATE: 04-07-2020	FIGURE 3
APPROVED BY: ES		DRAWN BY: JT	

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TABLE

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW1	05/07/91	38.97	0.00	61.03	--	--	--	--	--	--	--	--	--	--
100.00	05/08/92	41.28	0.00	58.72	--	--	--	--	--	--	--	--	--	--
	05/20/92	39.46	0.00	60.54	--	--	--	--	--	--	--	--	--	--
	03/10/94	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/02/94	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/11/94	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/17/95	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/95	47.30	0.00	52.70	**30,000**	--	--	**6,300**	**4,900**	638	**3,920**	--	**30**	--
	08/09/95	47.65	0.00	52.35	**17,000**	--	--	**3,200**	**1,700**	230	**1,400**	--	10	--
	11/06/95	48.86	0.00	51.14	--	--	--	--	--	--	--	--	--	--
	02/13/96	49.60	0.00	50.40	--	--	--	--	--	--	--	--	--	--
	02/21/96	49.54	0.00	50.46	--	--	--	--	--	--	--	--	--	--
	05/21/96	39.91	0.00	60.09	**62,000**	--	--	**14,000**	**16,000**	**780**	**5,100**	--	7	--
	06/06/96	39.78	0.00	60.22	--	--	--	--	--	--	--	--	--	--
	06/11/96	39.85	0.00	60.15	--	--	--	--	--	--	--	--	--	--
	09/24/96	42.14	0.00	57.86	**75,000**	--	--	**14,000**	**15,000**	**890**	**5,400**	--	4	--
	12/12/96	46.97	0.00	53.03	--	--	--	--	--	--	--	--	--	--
	03/24/97	34.84	0.00	65.16	**170,000**	--	--	**29,000**	**44,000**	**2,000**	**14,000**	--	**18**	--
	04/11/97	30.69	0.00	69.31	--	--	--	--	--	--	--	--	--	--
	06/18/97	29.13	0.00	70.87	**230,000**	--	--	**46,000**	**72,000**	**3,600**	**21,000**	--	13	--
	08/25/97	35.41	0.00	64.59	**170,000**	--	--	**3,000**	**46,000**	**2,900**	**16,000**	--	13	--
	11/19/97[*]	41.87	0.00	58.13	**170,000**	--	--	**25,000**	**39,000**	**3,200**	**17,000**	--	14	--
	02/12/98[NP]	43.10	0.00	56.90	**82,000**	--	--	**20,000**	**12,000**	**2,300**	**210**	--	<2	--
	05/14/98[NP]	32.37	0.00	67.63[b]	**180,000**	--	--	**41,000**	**59,000**	**2,000**	**19,000**	--	<2	--
	08/25/98[NP]	26.81	0.00	73.19[b]	**140,000**	--	--	**27,000**	**37,000**	**1,700**	**16,000**	--	**22**	--
	11/13/98[NP]	29.49	0.00	70.51[b]	**63,000**	--	--	**12,000**	**12,000**	320	**9,200**	--	9	--
	02/10/99	45.96	**Trace**	54.04[b]	LPH Present	--	--					--	--	
	05/28/99[NP]	17.18	0.00	82.82[b]	**69,000**	--	--	**490**	**4,400**	490	**12,000**	--	10	--
	08/18/99[NP]	43.70	0.00	56.30[b]	**32,000**	--	--	**2,100**	190	250	**3,600**	--	--	--
	11/11/99[NP]	34.01	0.00	65.99	**6,110**	--	--	**849**	333	31.8	**1,320**	--	7.67	--
	02/09/00[NP]	48.11	0.00	51.89	**83,000**	--	--	**1,200**	860	**740**	**13,000**	--	**301**	--
	05/24/00[NP]	26.35	**Trace**	73.65	**1,200**	--	--	**55.9**	81.2	2.09	248	--	--	--
	09/11/00[NP]	25.75	0.00	74.25	883	--	--	**36.1**	54.0	<0.690	161	--	--	--
	11/27/00	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	44.58	0.00	55.42	154	--	--	**12.6**	5.08	< 0.500	17.1	--	--	--
	05/16/01	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/30/01[NP]	43.17	0.00	56.83	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.62	--
	11/19/01	NM	0.00	--	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	40.32	0.00	59.68	<50.0	--	--	1.29	<0.500	<0.500	1.62	--	<1.00	--
	11/20/02	36.15	0.00	63.85	149	--	--	0.575	0.938	<0.500	12.5	--	2.67	<1.00
	05/21/03[NP]	35.97	0.00	64.03	**1,620**	--	--	**56.7**	71.7	<5.00	511	--	8.58	4.98
	11/14/03[NP]	33.91	0.00	66.09	528	--	--	**15.0**	9.9	1.1	47	--	11.2	<5.00
	5/13/04[NP]	30.93	0.00	69.07	**5,200**	--	--	**1,340**	129	51.0	431	--	14.4	<5.00
	12/9/04 [NP]	35.99	0.00	64.01	**3,800**	--	--	**1,030**	201	<20	740	--	**15.0**	<10.0
	02/08/05	37.79	0.00	62.21	**1,310**	--	--	**98.6**	46.0	<5.0	275	--	<10.0	<10.0
	05/16/05	36.36	0.00	63.64	**3,380**	--	--	**699.0**	224.0	<10	676	12	<15	<15
	11/22/05	40.77	0.00	59.23	**5,900**	--	--	**2,200.0**	420.0	66.0	**1,200**	--	<8.4	--
	03/01/06	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/30/06	47.26	0.00	52.74	**860[d]**	--	--	**96[d]**	8.6[d]	12[d]	120[d]	--	**144**	<6.9
	08/28/06	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/14/06	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/21/07	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/22/07	39.18	0.00	60.82	160	--	--	**92**	4	2	5	<0.5	<6.9	<6.9
	08/20/07	45.01	0.00	54.99	110	--	--	**12**	2	1	5	<0.5	<6.9	<6.9
	11/19/07	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/19/08	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
414.74	08/18/08	49.56	0.00	365.18	Well not sampled due to low water column.									
	11/17/08	49.60	0.00	365.14	Well not sampled due to low water column.									
	02/04/09	51.20	0.00	363.54	--	--	--	--	--	--	--	--	--	--
	05/04/09	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/03/09	44.90	0.00	369.84	--	--	--	--	--	--	--	--	--	--
	11/03/09	48.74	0.00	366.00	Well gauged only this quarter.									
	02/08/10	49.48	0.00	365.26	Well gauged only this quarter.									
	05/03/10	43.45	0.00	371.29	Well gauged only this quarter.									
	09/07/10	45.99	0.00	368.75	Well gauged only this quarter.									
	12/01/10	48.84	0.00	365.90	Well gauged only this quarter.									

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/10/11	45.91	0.00	368.83	Well gauged only this quarter.									
GW-1	05/18/11	35.25	0.00	379.49	Well gauged only this quarter.									
Contd.	09/02/11	43.42	0.00	371.32	Well gauged only this quarter.									
	12/07/11	dry	0.00	--	Well gauged only this quarter.									
	02/23/12	49.36	0.00	365.38	Well not sampled due to low water column.									
	05/22/12	39.57	0.00	375.17	<500	--	--	**9.8**	<1.0	<1.0	<3.0	--	0.81	<0.10
	08/01/12	43.70	0.00	371.04	<50	--	--	<1.0	<1.0	1.2	<3.0	--	0.21	1.0
	03/22/13	43.28	0.00	371.46	<100	--	--	4.6	<1.0	<1.0	<3.0	--	<3.0	<10.0
	09/20/13	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	04/29/15	42.89	0.00	371.85	<100	--	--	**7.70**	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	46.82	0.00	367.92	<100	--	--	1.2	<1.0	<1.0	<3.0	--	--	--
	10/15/15	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/27/16	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/17	46.03	0.00	368.71	<100	--	--	<1.0	<1.0	<1.0	<1.0	--	<10.0	<10.0
	09/04/18	48.59	0.00	366.15	Well not sampled due to low water column.									
	Well Decommissioned in October 2018													
GW2	05/07/91	35.56	0.00	63.76	--	--	--	--	--	--	--	--	--	--
99.32	05/08/92	36.53	0.00	62.79	--	--	--	--	--	--	--	--	--	--
	03/10/94	48.43	**4.15**	54.00	LPH Present	--	--							--
	05/02/94	--	**0.20**	--	LPH Present	--	--	--	--	--	--	--	--	--
	11/11/94	44.37	**0.07**	55.00	LPH Present	--	--	--	--	--	--	--	--	--
	02/17/95	44.92	**0.03**	54.42	LPH Present	--	--	--	--	--	--	--	--	--
	05/16/95	36.19	**0.17**	63.26	**150,000**	--	--	**21,000**	**26,000**	**2,200**	**14,000**	--	9	--
	08/09/95	39.16	**0.31**	60.39	LPH Present	--	--	--	--	--	--	--	--	--
	11/06/95	42.42	**0.11**	56.98	LPH Present	--	--	--	--	--	--	--	--	--
	02/13/96	36.62	**0.12**	62.79	LPH Present	--	--	--	--	--	--	--	--	--
	02/21/96	36.68	**0.13**	62.74	LPH Present	--	--	--	--	--	--	--	--	--
	05/21/96	28.04	**0.37**	71.56	LPH Present	--	--	--	--	--	--	--	--	--
	06/06/96	29.09	**0.41**	70.54	LPH Present	--	--	--	--	--	--	--	--	--
	06/11/96	29.17	**0.38**	70.44	LPH Present	--	--	--	--	--	--	--	--	--
	09/24/96	37.45	**0.41**	62.18	LPH Present	--	--	--	--	--	--	--	--	--
	12/12/96	40.86	**0.22**	58.63	LPH Present	--	--	--	--	--	--	--	--	--
	03/24/97	25.93	**0.13**	73.49	LPH Present	--	--	--	--	--	--	--	--	--
	04/11/97	23.84	**0.19**	75.62	LPH Present	--	--	--	--	--	--	--	--	--
	06/18/97	25.87	**0.02**	73.47	LPH Present	--	--	--	--	--	--	--	--	--
	08/25/97	32.77	**0.18**	66.69	LPH Present	--	--	--	--	--	--	--	--	--
	11/19/97*	37.67	**0.07**	61.70	LPH Present	--	--	--	--	--	--	--	--	--
	02/12/98[NP]	32.81	**0.03**	66.53	LPH Present	--	--	--	--	--	--	--	--	--
	05/14/98[NP]	26.37	**0.04**	72.98	LPH Present	--	--	--	--	--	--	--	--	--
	08/25/98	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/13/98	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/18/99[NP]	33.58	0.00	65.74[b]	**180,000**	--	--	**15,000**	**22,000**	**2,200**	**20,000**	--	--	--
	11/11/99[NP]	46.15	0.00	53.17	**85,600**	--	--	**4,360**	**7,750**	**1,160**	**12,300**	--	**152**	--
	02/09/00[NP]	38.30	0.00	61.02	**130,000**	--	--	**11,000**	**17,000**	**1,300**	**18,000**	--	6	--
	05/24/00	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/11/00[NP]	46.35	0.00	52.97	**55,000**	--	--	**2,620**	**1,910**	410	**7,380**	--	--	--
	11/27/00	43.56	**Trace**	55.76	**76,100**	--	--	**6,030**	**8,660**	**1,050**	**10,500**	--	**148**	--
	02/23/01	46.15	0.00	53.17	**64,300**	--	--	**5,100**	**5,880**	667	**9,140**	--	**129**	--
	05/16/01	42.48	0.00	56.84	**83,300**	--	--	**4,620**	**8,480**	**1,060**	**10,200**	--	**248**	--
	08/30/01[NP]	42.07	**0.01**	57.26	LPH Present	--	--	--	--	--	--	--	--	--
	11/19/01	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/04/02	31.15	0.00	68.17	**51,900**	--	--	**5,330**	**4,780**	255	**7,650**	--	**38.2**	--
	11/20/02	46.25	0.00	53.07	**50,900**	--	--	**3,010**	**5,600**	**800**	**8,110**	--	**3,850**	<1.00
	05/21/03[NP]	45.86	0.00	53.46	**35,100**	--	--	**3,910**	**4,020**	248	**4,760**	--	**26.8**	**14.6**
	11/14/03[NP, C]	44.35	0.00	54.97	**1,760**	--	--	**96.2**	11.0	1.0	73.1	--	<5.00	<5.00
	5/13/04[NP]	28.97	0.00	70.35	**7,370**	--	--	**446**	705	30.4	983	--	8.28	<5.00
	12/9/04 [NP]	42.42	0.00	56.90	**19,500**	--	--	**2,370**	**1,410**	140	**1,980**	--	**20.9**	<10.0
	02/08/05	39.87	0.00	59.45	**32,000**	--	--	**3,520**	**2,160**	191	**3,280**	--	**24.8**	<10.0
	05/16/05	39.50	0.00	59.82	**8,600**	--	--	**166**	144	21	470	6.74	15.6	<15
	08/18/05	44.78	0.00	54.54	**10,000**	--	--	**930**	220	79	900	<5.0	**283**	--
	11/22/05	48.18	0.00	51.14	**15,000**	--	--	**2,600**	770	110	**1,400**	--	<8.4	--
	03/01/06	36.10	0.00	63.22	**7,800**	--	--	**380**	400	46	760	<0.5	<8.4	--
	05/30/06	42.90	0.00	56.42	**3,500**	--	--	**160**	65	23	280	--	**26.2**	<6.9
	08/28/06	44.20	0.00	55.12	**4,800**	--	--	**390**	120	43	460	0.9	<6.9	<6.9

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800**[a]	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/14/06	44.06	0.00	55.26	**12,000**	--	--	**860**	720	130	**1,500**	<1	<6.9	<6.9
GW-2	02/21/07	34.22	0.00	65.10	**6,800**	--	--	**920**	570	99	810	<1	70.4	62.2
Contd.	05/22/07	32.70	0.00	66.62	**20,000**	--	--	**650**	1,000	380	**2,700**	<1	<6.9	<6.9
	08/20/07	35.26	0.00	64.06	**49,000**	--	--	**6,300**	**6,500**	600	**5,100**	<5	<6.9	<6.9
	11/19/07	41.37	0.00	57.95	**12,000**	--	--	**2,000**	390	260	**1,200**	0.6	**15.1**	<6.9
	02/19/08	38.17	0.00	61.15	**21,000**	--	--	**2,400**	980	440	**2,500**	<3	10.4	8.8
413.94	05/19/08	35.80	0.00	378.14	**35,000**	--	--	**4,600**	**3,100**	670	**4,500**	<2.0	**23.7**	<6.9
	08/18/08	38.75	0.00	375.19	**20,000**	--	--	**3,200**	**1,400**	560	**3,500**	<3.0	<6.9	<6.9
	11/18/08	41.75	0.00	372.19	**28,000**	--	--	**3,000**	690	670	**4,500**	<3	14.40	<6.9
	02/04/09	39.85	0.00	374.09	**28,700**	**2,800**	<410	**1,600**	130	560	**3,700**	<1	1.34	--
	05/05/09	36.00	0.00	377.94	**40,800**	**1,200**	<420	**3,590** 2n	**1,760**	634	**4,590**	<1.0	3.3	<1.0
	08/03/09	36.60	0.00	377.34	**40,300**	--	--	**6,710**	**2,440**	**959**	**7,180**	<5.0	3.2	2.5
	11/03/09	41.22	0.00	372.72	**28,700** 1n,Z2	--	--	**2,880**	673	644	**3,460**	<5.0	12.3	0.39
	02/08/10	37.04	0.00	376.90	**42,600** 1n	--	--	**4,940**	**1,830**	**1,200**	**8,320**	<1.0	**24.7**	1.2
	05/03/10	32.17	0.00	381.77	**17,400**	--	--	**2,060**	746	422	**2,990**	<1.0	4.1	0.36
	09/07/10	36.61	0.00	377.33	**30,700**	--	--	**6,770**	**1,930**	**901**	**5,480**	<1.0	12.9	0.22
	12/01/10	39.35	0.00	374.59	**20,600**	--	--	**3,260**	**283**	**802**	**3,450**	<1.0	9.2	0.14
	02/10/11	31.63	0.00	382.31	**10,700**	--	--	**975**	**250**	359	**2,020**	<1.0	--	--
	05/18/11	25.11	0.00	388.83	**503**	--	--	**6.7**	<1.0	2.3	35.0	--	0.46	0.30
	09/02/11	34.81	0.00	379.13	**23,700**	--	--	**2,880**	317	563	**2,710**	--	3.2	0.97
	12/07/11	40.12	0.00	373.82	**15,300**	--	--	**1,280**	64.8	430	**1,210**	<1.0	5.0	0.14
	02/23/12	39.98	0.00	373.96	**18,400**	--	--	**1,110**	53.7	356	**1,360**	--	1.1	--
	05/22/12	29.37	0.00	384.57	**9,810**	--	--	**1,780**	148	304	**1,320**	--	0.36	0.23
	08/01/12	33.91	0.00	380.03	**11,200**	--	--	**1,820**	97.4	428	**1,470**	--	0.26	0.19
	03/22/13	32.59	0.00	381.35	**4,300**	--	--	**466**	13.7	114	271	--	<3.0	<10.0
	09/20/13	34.58	0.00	379.36	**19,600**	--	--	**3,960**	130.0	**760**	220	--	**16.70**	<10.0
	12/19/14	39.91	0.00	374.03	**13,000**	120	<500	**1,900**	33.0	**810**	**1,500**	--	<5.0	<5.0
	04/29/15	30.61	0.00	383.33	**13,600**	--	--	**1,830**	42.6	599	**1,300**	--	<10.0	<10.0
	07/23/15	35.92	0.00	378.02	**22,500**	--	--	**5,670**	190	**907**	**2,300**	--	--	--
	10/15/15	40.35	0.00	373.59	**10,700**	--	--	**1,460**	26.3	449	537	--	--	--
	09/27/16	38.80	0.00	375.14	**10,400**	--	--	**1,140**	61.4	479	898	--	<10.0	<10.0
	09/20/17	35.11	0.00	378.83	**2,860**	--	--	**327**	22.0	174	294	--	<10.0	<10.0
	09/05/18	37.61	0.00	376.33	**7,570**	--	--	**1,070**	50.2	579	404	--	2.0 J	<2.0
		Well Decommissioned in Octoer 2018												
GW2A	12/9/04 [NP]	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
NE	02/08/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	05/16/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/18/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	11/22/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	03/01/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	05/30/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/28/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	11/14/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	02/21/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	05/22/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/20/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	11/19/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	02/19/08	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
414.5	05/19/08	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/18/08	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/18/08	NM	Stinger lodged in well, unable to gauge or sample.											
	02/04/09	NM	Stinger lodged in well, unable to gauge or sample.											
	05/04/09	NM	Stinger lodged in well, unable to gauge or sample.											
	08/03/09	NM	Stinger lodged in well, unable to gauge or sample.											
	11/03/09	NM	Stinger lodged in well, unable to gauge or sample.											
	02/08/10	NM	Stinger lodged in well, unable to gauge or sample.											
	05/03/10	NM	Stinger lodged in well, unable to gauge or sample.											
	09/07/10	NM	Stinger lodged in well, unable to gauge or sample.											
	12/01/10	NM	Stinger lodged in well, unable to gauge or sample.											
	02/10/11	NM	Stinger lodged in well, unable to gauge or sample.											
	05/18/11	NM	Stinger lodged in well, unable to gauge or sample.											
	09/02/11	NM	Stinger lodged in well, unable to gauge or sample.											
	12/07/11	NM	Stinger lodged in well, unable to gauge or sample.											
	08/01/12	NM	Stinger lodged in well, unable to gauge or sample.											
	03/22/13	NM	Stinger lodged in well, unable to gauge or sample.											
	09/20/13	NM	Stinger lodged in well, unable to gauge or sample.											
	12/19/14	NM	Stinger lodged in well, unable to gauge or sample.											

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	04/29/15	NM	Stinger lodged in well, unable to gauge or sample.											
	07/23/15	NM	Stinger lodged in well, unable to gauge or sample.											
	10/15/15	NM	Stinger lodged in well, unable to gauge or sample.											
GW-2A	09/27/16	NM	Stinger lodged in well, unable to gauge or sample.											
Contd.	09/19/17	NM	Stinger lodged in well, unable to gauge or sample.											
	09/04/18	NM	Stinger lodged in well, unable to gauge or sample.											
	12/11/18	NM	Stinger lodged in well, unable to gauge or sample.											
GW3	05/02/94	71.02	0.00	31.93	--	--	--	--	--	--	--	--	--	--
102.95	11/11/94	82.85	0.00	20.10	<50	--	--	<0.5	<1	<1	<1	--	<2	--
102.78	02/17/95	82.81	0.00	19.97	<50	--	--	<0.5	<1	<1	<1	--	2	--
	05/16/95	82.02	0.00	20.76	<50	--	--	<0.5	<1	<1	<1	--	5	--
	08/09/95	81.33	0.00	21.45	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	11/06/95	81.21	0.00	21.57	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/13/96	84.06	0.00	18.72	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/21/96	80.60	0.00	22.18	--	--	--	--	--	--	--	--	--	--
	05/21/96	79.24	0.00	23.54	--	--	--	--	--	--	--	--	--	--
	06/06/96	79.07	0.00	23.71	--	--	--	--	--	--	--	--	--	--
	06/11/96	78.97	0.00	23.81	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	09/24/96	78.21	0.00	24.57	<50	--	--	0.7	2	<1	3	--	2	--
	12/12/96	78.64	0.00	24.14	216	--	--	**21.6**	54	2	11	--	<2	--
	03/24/97	77.93	0.00	24.85	<50	--	--	<0.5	<1	<1	<1	--	**38**	--
	04/11/97	77.40	0.00	25.38	--	--	--	--	--	--	--	--	--	--
	06/18/97	76.11	0.00	26.67	<50	--	--	<0.5	1	<1	<1	--	13	--
	08/25/97	75.68	0.00	27.10	<50	--	--	<0.5	<1	<1	<1	--	13	--
	11/19/97[*]	76.58	0.00	26.20	<50	--	--	<0.5	<1	<1	<1	--	**18**	--
	02/12/98[NP]	76.72	0.00	26.06	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	05/14/98[NP]	76.15	0.00	26.63	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98	76.35	0.00	26.43[b]	--	--	--	--	--	--	--	--	--	--
	11/13/98	77.88	0.00	24.90[b]	--	--	--	--	--	--	--	--	--	--
	02/10/99	78.98	0.00	23.80[b]	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	79.68	0.00	23.10[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	76.45	0.00	26.33[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	79.18	0.00	23.60	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	78.42	0.00	24.36	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	77.46	0.00	25.32	352	--	--	<0.500	<0.500	<0.500	36.4	--	--	--
	09/11/00[NP]	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	81.80	0.00	20.98	<50	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	82.30	0.00	20.48	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	81.10	0.00	21.68	94.9	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	11/20/02	80.72	0.00	22.06	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.52	<1.00
	05/21/03[NP]	81.15	0.00	21.63	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	81.59	0.00	21.19	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	81.35	0.00	21.43	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	82.21	0.00	20.57	--	--	--	--	--	--	--	--	--	--
	02/08/05	82.54	0.00	20.24	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	82.75	0.00	20.03	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	82.56	0.00	20.22	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	82.51	0.00	20.27	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	82.40	0.00	20.38	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.8	<8.4	--
	05/30/06	81.72	0.00	21.06	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	81.10	0.00	21.68	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	81.50	0.00	21.28	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	81.05	0.00	21.73	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**64.5**	**62.2**
	05/22/07	81.10	0.00	21.68	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	79.42	0.00	23.36	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	80.47	0.00	22.31	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	7.4
	05/19/08	80.52	0.00	337.22	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	80.80	0.00	336.94	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	7.0	<6.9
	11/17/08	81.19	0.00	336.55	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	81.50	0.00	336.24	--	--	--	--	--	--	--	--	--	--
	05/04/09	81.72	0.00	336.02	87.2 4n	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	1.50	<1.0
	08/03/09	81.65	0.00	336.09	--	--	--	--	--	--	--	--	--	--
	11/03/09	81.95	0.00	335.79	Well gauged only this quarter.									
	02/08/10	82.22	0.00	335.52	Well gauged only this quarter.									
	05/03/10	81.60	0.00	336.14	Well gauged only this quarter.									

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	09/07/10	80.72	0.00	337.02	Well gauged only this quarter.									
GW3 Cont.	12/01/10	81.18	0.00	336.56	Well gauged only this quarter.									
	02/10/11	78.17	0.00	339.57	Well gauged only this quarter.									
	05/18/11	79.56	0.00	338.18	Well gauged only this quarter.									
	09/02/11	78.65	0.00	339.09	Well gauged only this quarter.									
	12/07/11	79.10	0.00	338.64	Well gauged only this quarter.									
	02/23/12	79.91	0.00	337.83	Well gauged only this quarter.									
	05/22/12	79.81	0.00	337.93	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	80.86	0.00	336.88	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	80.70	0.00	337.04	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	80.19	0.00	337.55	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	80.61	0.00	337.13	<250	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	09/27/16	79.00	0.00	338.74	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	77.01	0.00	340.73	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
417.74	09/05/18	78.31	0.00	339.43	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	Well Decommissioned in Octoer 2018													
GW4	05/02/94	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
101.84	11/11/94	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/17/95	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/95	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/09/95	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/06/95	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/13/96	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/21/96	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/21/96	78.27	0.00	23.57	--	--	--	--	--	--	--	--	--	--
	06/06/96	78.10	0.00	23.74	--	--	--	--	--	--	--	--	--	--
	06/11/96	78.02	0.00	23.82	--	--	--	--	--	--	--	--	--	--
	09/24/96	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/12/96	77.71	0.00	24.13	--	--	--	--	--	--	--	--	--	--
	03/24/97	76.88	0.00	24.96	<50	--	--	<50	<1	<1	<1	--	**52**	--
	04/11/97	76.36	0.00	25.48	--	--	--	--	--	--	--	--	--	--
	06/18/97	75.08	0.00	26.76	<50	--	--	<50	<1	<1	<1	--	4	--
	08/25/97	74.70	0.00	27.14	300	--	--	**9.8**	15	3	46	--	4	--
	11/19/97[*]	75.61	0.00	26.23	<50	--	--	0.8	<1	<1	<1	--	**18**	--
	02/12/98[NP]	75.90	0.00	25.94	<50	--	--	1	<1	<1	<1	--	**27**	--
	05/14/98[NP]	75.18	0.00	26.66	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98[NP]	75.45	0.00	26.39[b]	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	11/13/98[NP]	77.24	0.00	24.60[b]	<50	--	--	<0.5	<1	<1	<1	--	**103**	--
	02/10/99	78.08	0.00	23.76[b]	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	05/28/99[NP]	73.80	0.00	28.04[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	75.54	0.00	26.30[b]	<50	--	--	0.5	<1	<1	2	--	--	--
	11/11/99[NP]	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	77.50	0.00	24.34	<50	--	--	<0.5	<1	<1	<1	--	**24**	--
	05/24/00[NP]	75.70	0.00	26.14	<50.0	--	--	<0.500	<0.500	<0.500	2.88	--	--	--
	09/11/00[NP]	71.56	0.00	30.28	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	11/27/00[NP]	78.40	0.00	23.44	141	--	--	<0.500	1.10	<0.500	5.59	--	**254**	--
	02/23/01	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/30/01	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/04/02	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/20/02	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/21/03[NP]	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/14/03[NP]	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	5/13/04[NP]	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/9/04 [NP]	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/08/05	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/05	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/18/05	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/22/05	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/01/06	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/30/06	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/28/06	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/14/06	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/21/07	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	05/22/07	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
GW-4	8/20/2007[d]	78.47	DRY	23.37	--	--	--	--	--	--	--	--	--	--
Contd.	11/19/07	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
416.79	05/19/08	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/18/08	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/17/08	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/04/09	79.15	0.00	337.64	--	--	--	--	--	--	--	--	--	--
	5/4/090	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/03/09	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/03/09	79.10	0.00	337.69	Well gauged only this quarter.									
	02/08/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/03/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/07/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/01/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/11	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/18/11	78.55	0.00	338.24	Well gauged only this quarter.									
	09/02/11	77.64	0.00	339.15	Well gauged only this quarter.									
	12/07/11	78.21	0.00	338.58	Well gauged only this quarter.									
	02/23/12	Dry	0.00	--	Well gauged only this quarter.									
	05/22/12	Dry	0.00	--	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	04/29/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	07/23/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	10/15/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	09/27/16	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	09/19/17	76.10	0.00	340.69	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/11/18	77.37	0.00	339.42	Well gauged only this quarter.									
		Well Decommissioned in Octoer 2018												
GW5	05/02/94	78.84	0.00	20.14	**100,000**	--	--	**8,200**	**15,000**	**2,100**	**12,000**	--	3	--
98.98	11/11/94	79.14	0.00	19.84	**160,000**	--	--	**20,000**	**33,000**	**2,300**	**15,000**	--	6	--
	02/17/95	79.14	0.00	19.84	**130,000**	--	--	**14,000**	**25,000**	**1,550**	**11,000**	--	6	--
	05/16/95	78.31	0.00	20.67	**180,000**	--	--	**19,000**	**34,000**	**2,300**	**16,000**	--	8	--
	08/09/95	77.55	0.00	21.43	**200,000**	--	--	**22,000**	**38,000**	**2,400**	**18,000**	--	**17**	--
	11/06/95	77.49	0.00	21.49	**184,000**	--	--	**20,000**	**42,000**	**2,900**	**19,000**	--	**15**	--
	02/13/96	77.31	0.00	21.67	**190,000**	--	--	**19,000**	**42,000**	**2,900**	**18,000**	--	8	--
	02/21/96	76.89	0.00	22.09	--	--	--	--	--	--	--	--	--	--
	05/21/96	75.21	0.00	23.77	**32,000**	--	--	**1,800**	**2,100**	100	**5,900**	--	6	--
	06/06/96	75.04	0.00	23.94	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.07	0.00	23.91	--	--	--	--	--	--	--	--	--	--
	09/24/96	74.47	0.00	24.51	**56,000**	--	--	**3,800**	**5,100**	90	**8,700**	--	4	--
	12/12/96	74.99	0.00	23.99	**88,000**	--	--	**2,200**	**4,700**	43	**16,000**	--	**42**	--
	03/24/97	24.90	0.00	74.08	**7,800**	--	--	**690**	790	13	**1,300**	--	**34**	--
	04/11/97	73.31	0.00	25.67	--	--	--	--	--	--	--	--	--	--
	06/18/97	72.05	0.00	26.93	**90,000**	--	--	**9,000**	**21,000**	**1,400**	**12,000**	--	4	--
	08/25/97	71.85	0.00	27.13	**45,000**	--	--	**4,600**	**7,000**	180	**6,500**	--	4	--
	11/19/97[*]	72.77	0.00	26.21	**44,000**	--	--	**3,700**	**7,200**	530	**4,800**	--	5	--
	02/12/98[NP]	73.10	0.00	25.88	**65,000**	--	--	**6,800**	**10,000**	**990**	**5,500**	--	3	--
	05/14/98[NP]	72.40	0.00	26.58[b]	**56,000**	--	--	**7,700**	**11,000**	**1,000**	**10,000**	--	6	--
	08/25/98[NP]	67.44	0.00	31.54[b]	**25,000**	--	--	**120**	**450**	58	**5,300**	--	6	--
	11/13/98	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/18/99[NP]	72.85	0.00	26.13[b]	**4,900**	--	--	**430**	480	36	560	--	--	--
	11/11/99[NP]	76.11	0.00	22.87	276	--	--	3.07	4.94	0.815	22.2	--	**9.62**	--
	02/09/00[NP]	75.62	0.00	23.36	94	--	--	<0.5	2	<1	9	--	7	--
	05/24/00[NP]	38.60	0.00	60.38	367	--	--	**21.9**	40.1	1.34	77.2	--	--	--
	09/11/00[NP]	60.00	0.00	38.98	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	48.75	0.00	50.23	436	--	--	<0.500	4.35	1.57	50.1	--	5.31	--
	05/16/01	79.44	0.00	19.54	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.35	--
	08/30/01[NP]	77.78	0.00	21.20	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.04	--
	11/19/01	79.37	0.00	19.61	472	--	--	<0.500	8.43	1.34	79.1	--	1.93	--
	05/04/02	76.90	0.00	22.08	<50.0	--	--	<0.500	0.630	<0.500	1.82	--	<1.00	--
	11/20/02	76.93	0.00	22.05	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.70	<1.00
	05/21/03[NP]	78.00	0.00	20.98	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.02	<1.00

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/14/03[NP C]	79.12	0.00	19.87	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.51	0.00	20.47	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
GW5	12/9/04 [NP]	80.04	0.00	18.94	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
(Cont)	02/08/05	78.70	0.00	20.28	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.64	0.00	19.34	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	80.55	0.00	18.43	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	78.24	0.00	20.74	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	77.97	0.00	21.01	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	77.33	0.00	21.65	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	76.68	0.00	22.30	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.35	0.00	20.63	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	76.70	0.00	22.28	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	43.6	43.3
	05/22/07	75.78	0.00	23.20	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	75.15	0.00	23.83	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	76.01	0.00	22.97	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	73.98	0.00	25.00	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
413.40	05/19/08	76.12	0.00	337.28	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	76.52	0.00	336.88	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	77.00	0.00	336.40	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	77.30	0.00	336.10	--	--	--	--	--	--	--	--	--	--
	05/04/09	77.40	0.00	336.00	<50.0 4n	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/03/09	77.38	0.00	336.02	--	--	--	--	--	--	--	--	--	--
	11/03/09	77.71	0.00	335.69	Well gauged only this quarter.									
	02/08/10	77.94	0.00	335.46	Well gauged only this quarter.									
	05/03/10	77.19	0.00	336.21	Well gauged only this quarter.									
	09/07/10	76.40	0.00	337.00	Well gauged only this quarter.									
	12/01/10	76.94	0.00	336.46	Well gauged only this quarter.									
	02/10/11	76.18	0.00	337.22	Well gauged only this quarter.									
	05/18/11	74.77	0.00	338.63	Well gauged only this quarter.									
	09/02/11	74.33	0.00	339.07	Well gauged only this quarter.									
	12/07/11	74.94	0.00	338.46	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	0.33	0.13
	02/23/12	75.78	0.00	337.62	Well gauged only this quarter.									
	05/22/12	75.44	0.00	337.96	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	76.60	0.00	336.80	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	4/29/2015**	74.44	0.00	338.96	249	--	--	**14.2**	<1.0	1.6	14.7	--	<10.0	<10.0
	07/23/15	75.06	0.00	338.34	182	--	--	3.9	<1.0	2.4	7.6	--	--	--
	10/15/15	76.34	0.00	337.06	<250	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	09/27/16	74.75	0.00	338.65	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	63.21	0.00	350.19	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	74.04	0.00	339.36	<19.6	--	--	0.60 J	<0.083	<0.14	<0.31	--	<2.0	<2.0
	Well Decommissioned in October 2018													
GW6	05/02/94	42.10	**1.90**	57.57	--	--	--	--	--	--	--	--	--	--
98.24	11/11/94	41.67	**0.65**	57.06	LPH Present	--	--					--	--	--
	02/17/95	41.13	**0.24**	57.29	LPH Present	--	--					--	--	--
	05/16/95	32.62	**0.24**	65.80	**130,000**	--	--	**14,000**	**21,000**	**2,000**	**11,000**	--	2	--
	08/09/95	32.65	**0.03**	65.61	LPH Present	--	--					--	--	--
	11/06/95	40.26	**0.06**	58.03	LPH Present	--	--					--	--	--
	02/13/96	32.10	0.00	66.14	**68,000**	--	--	**11,000**	**13,000**	**1,100**	**6,000**	--	5	--
	02/21/96	32.18	**0.05**	66.10	--	--	--	--	--	--	--	--	--	--
	05/21/96	27.40	0.00	70.84	**36,000**	--	--	**2,300**	**3,300**	560	**3,700**	--	**20**	--
	06/06/96	28.16	0.00	70.08	--	--	--	--	--	--	--	--	--	--
	06/11/96	28.23	0.00	70.01	--	--	--	--	--	--	--	--	--	--
	09/24/96	35.38	0.00	62.86	**36,000**	--	--	**3,800**	**5,100**	**790**	**4,300**	--	**22**	--
	12/12/96	37.76	0.00	60.48	**66,000**	--	--	**4,100**	**7,900**	**1,100**	**6,500**	--	**48**	--
	03/24/97	24.55	0.00	73.69	**82,000**	--	--	**2,700**	**12,000**	**1,700**	**10,000**	--	**41**	--
	04/11/97	23.32	0.00	74.92	--	--	--	--	--	--	--	--	--	--
	06/18/97	25.51	0.00	72.73	**43,000**	--	--	**4,100**	**7,300**	**800**	**4,500**	--	10	--
	08/25/97	30.55	0.00	67.69	**52,000**	--	--	**5,600**	**11,000**	**1,200**	**6,200**	--	10	--
	11/19/97*	34.17	0.00	64.07	**81,000**	--	--	**8,700**	**15,000**	**1,500**	**7,700**	--	13	--
	02/12/98[NP]	26.67	0.00	71.57	**1,400**	--	--	**33**	51	59	110	--	6	--
	05/14/98[NP]	26.00	0.00	72.24[b]	**1,800**	--	--	**42**	170	98	310	--	5	--
	08/25/98[NP]	25.99	0.00	72.25[b]	**14,000**	--	--	**220**	890	**79**	**3,100**	--	5	--
	11/13/98	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--

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Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Aromatic Hydrocarbons Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Metals Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800**[a]	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	05/28/99	Inaccessible - L	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/18/99[NP]	32.94	0.00	65.30[b]	**26,000**	--	--	**1,100**	**2,600**	240	**3,100**	--	--	--
GW6	11/11/99[NP]	43.39	0.00	54.85	218	--	--	1.11	5.55	0.642	30.1	--	4.47	--
(Cont)	02/09/00[NP]	36.20	0.00	62.04	<50	--	--	<0.5	<1	<1	2	--	<2	--
	05/24/00[NP]	27.52	0.00	70.72	<50.0	--	--	2.31	1.05	<0.500	1.34	--	--	--
	09/11/00[NP]	26.46	0.00	71.78	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	11/27/00	40.05	0.00	58.19	**1,990**	--	--	**214**	265	20.7	333	--	**329**	--
	02/23/01	34.58	0.00	63.66	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.18	--
	05/16/01	43.52	0.00	54.72	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01[NP]	40.20	0.00	58.04	<50.0	--	--	1.73	<0.500	<0.500	1.17	--	1.87	--
	11/19/01	46.75	0.00	51.49	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	28.46	0.00	69.78	<50.0	--	--	0.748	<0.500	<0.500	1.08	--	5.23	--
	11/20/02	46.10	0.00	52.14	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	35.60	0.00	62.64	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP C]	46.05	0.00	52.19	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	34.02	0.00	64.22	<100	--	--	1.95	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	42.73	0.00	55.51	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	39.02	0.00	59.40	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	33.23	0.00	65.01	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	82.10	0.00	16.14	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	38.57	0.00	59.67	<48	--	--	0.7	<0.2	<0.2	0.6	--	<8.4	--
	03/01/06	32.80	0.00	65.44	100	--	--	8	<0.7	<0.8	1	<0.5	<8.4	--
	05/30/06	32.49	0.00	65.75	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	--	0.00	--	<48	--	--	4	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	41.00	0.00	57.24	<48	--	--	4	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	31.14	0.00	67.10	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**57.8**	**47.6**
	05/22/07	27.90	0.00	70.34	<50	--	--	1	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	35.30	0.00	62.94	<50	--	--	2	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	38.67	0.00	59.57	700	--	--	**230**	15	49	7	<0.5	<6.9	<6.9
	02/19/08	34.37	0.00	63.87	390	--	--	<0.5	83	12	18	10	12.1	<6.9
413.26	05/19/08	32.28	0.00	380.98	**800**	--	--	**280**	37	52	49	<0.5	**23.4**	<6.9
	08/18/08	36.15	0.00	377.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/18/08	38.74	0.00	374.52	790	--	--	**290**	17	35	64	<0.5	<6.9	<6.9
	02/04/09	37.20	0.00	376.06	388	<83	<420	**300**	7.40	34	20	<1	1.06	--
	05/04/09	32.52	0.00	380.74	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	**20.8**	<1.0
	08/03/09	34.00	0.00	379.26	**2,050**	--	--	**697**	30.7	126	158	<5.0	1.4	0.4
	11/03/09	38.52	0.00	374.74	**1,660** 1n,Z2	--	--	**260**	8.6	100	118	<1.0	2.2	0.11
	02/08/10	33.24	0.00	380.02	19.2J, 1n	--	--	**16.7**	<1.0	1.8	3.8	<1.0	**18.8**	<0.10
	05/03/10	28.13	0.00	385.13	<50.0	--	--	1.1	<1.0	<1.0	<3.0	<1.0	**24.9**	<0.10
	09/07/10	33.90	0.00	379.36	**1,380**	--	--	**368**	13.2	93.9	156	<1.0	7.1	<0.10
	12/01/10	35.78	0.00	377.48	522	--	--	**277** M1	4.3	39.2	43.9	<1.0	5.3	0.25
	02/10/11	27.49	0.00	385.77	399	--	--	**123**	2.0	21.9	27.4	<1.0	1.6	0.14
	05/18/11	24.38	0.00	388.88	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	1.4	<0.10
	09/02/11	32.32	0.00	380.94	527	--	--	**79.8**	3.1	16.2	39.0	--	8.1	<0.10
	12/07/11	37.32	0.00	375.94	**1,260**	--	--	**112**	4.2	38.3	68.2	<1.0	1.6	0.14
	02/23/12	38.05	0.00	375.21	187	--	--	**37.2**	<1.0	8.6	8.4	--	4.8	--
	05/22/12	27.95	0.00	385.31	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	0.86	<0.10
	08/01/12	31.33	0.00	381.93	<50.0	--	--	4.8	<1.0	<1.0	<3.0	--	<0.10	<0.10
	03/22/13	29.28	0.00	383.98	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**31.2**	<10.0
	09/20/13	32.94	0.00	380.32	**1,050**	--	--	**92.8**	6	39	97	--	<10.0	<10.0
	12/19/14	36.47	0.00	376.79	530	<100	<500	**190**	4.1	34	48	--	<5.0	<5.0
	4/29/2015**	27.39	0.00	385.87	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	33.54	0.00	379.72	**3,760**	--	--	**252**	19.0	164	303	--	--	--
	10/15/15	38.12	0.00	375.14	**2,560**	--	--	**197**	13.8	125	243	--	--	--
	10/07/16	37.00	0.00	376.26	**1,140**	--	--	**115**	7.0	49.5	77.0	--	<10.0	<10.0
	09/20/17	33.16	0.00	380.10	739	--	--	**128**	8.1	44.6	56.1	--	<10.0	<10.0
	09/04/18	35.34	0.00	377.92	<19.6	--	--	0.34 J	<0.083	0.25J	<0.31	--	<2.0	<2.0
	Well Decommissioned in Octoer 2018													
GW7D [1]	11/11/94	77.35	0.00	19.82	<50	--	--	1.3	2	<1	2	--	<2	--
97.17	02/17/95	77.30	0.00	19.87	<50	--	--	0.7	<1	<1	<1	--	<2	--
	05/16/95	73.53	0.00	23.64	<50	--	--	1.5	<1	<1	<1	--	**19**	--
	08/09/95	75.50	0.00	21.67	<50	--	--	<4	<1	<1	<1	--	5	--
	11/06/95	75.73	0.00	21.44	<50	--	--	**6.6**	<1	<1	<1	--	12	--
	02/13/96	75.58	0.00	21.59	<50	--	--	1.1	<1	<1	<1	--	<2	--
	02/21/96	75.10	0.00	22.07	--	--	--	--	--	--	--	--	--	--
	05/21/96	73.61	0.00	23.56	--	--	--	--	--	--	--	--	--	--
	06/06/96	73.55	0.00	23.62	--	--	--	--	--	--	--	--	--	--

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Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	06/11/96	73.46	0.00	23.71	<50	--	--	2.1	<1	<1	<1	--	7	--
	09/24/96	72.84	0.00	24.33	<50	--	--	2.6	<1	<1	<1	--	10	--
	12/12/96	73.18	0.00	23.99	<50	--	--	1.2	<1	<1	<1	--	9	--
	03/24/97	68.85	0.00	28.32	<50	--	--	0.8	<1	<1	<1	--	3	--
	04/11/97	71.89	0.00	25.28	--	--	--	--	--	--	--	--	--	--
	06/18/97	71.19	0.00	25.98	<50	--	--	1.0	<1	<1	<1	--	10	--
	08/25/97	70.32	0.00	26.85	<50	--	--	1.1	<1	<1	<1	--	10	--
	11/19/97[*]	71.79	0.00	25.38	<50	--	--	<1	<1	<1	<1	--	14	--
	02/12/98[NP]	71.27	0.00	25.90	<50	--	--	<1	<1	<1	<1	--	2	--
	05/14/98[NP]	70.75	0.00	26.42[b]	<50	--	--	<0.5	<1	<1	<1	--	6	--
	08/25/98	70.64	0.00	26.53[b]	--	--	--	--	--	--	--	--	--	--
	11/13/98	71.30	0.00	25.87[b]	--	--	--	--	--	--	--	--	--	--
	02/10/99	73.76	0.00	23.41[b]	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	69.40	0.00	27.77[b]	<50	--	--	2.7	<1	<1	<1	--	8	--
	08/18/99[NP]	71.23	0.00	25.94[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	71.62	0.00	25.55	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	73.20	0.00	23.97	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	76.55	0.00	20.62	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	77.92	0.00	19.25	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	7.14	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	79.60	0.00	17.57	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	75.67	0.00	21.50	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	3.21	--
	11/20/02	76.20	0.00	20.97	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	11.5	<1.00
	05/21/03[NP]	76.20	0.00	20.97	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	**19.0**	13.0
	11/14/03[NP]	76.22	0.00	20.95	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	76.73	0.00	20.44	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	78.31	0.00	18.86	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	76.85	0.00	20.32	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	77.07	0.00	20.10	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	77.68	0.00	19.49	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	77.17	0.00	20.00	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	76.84	0.00	20.33	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	76.32	0.00	20.85	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	8.7	<6.9
	08/28/06	75.71	0.00	21.46	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	76.22	0.00	20.95	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	75.58	0.00	21.59	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**62.1**	52
	05/22/07	74.70	0.00	22.47	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	74.05	0.00	23.12	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	74.91	0.00	22.26	65	--	--	<0.5	2	<0.8	1	<0.5	12.7	<6.9
	02/19/08	75.02	0.00	22.15	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**24.6**	<6.9
412.23	05/19/08	75.12	0.00	337.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**20.0**	<6.9
	08/18/08	75.37	0.00	336.86	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/18/08	75.85	0.00	336.38	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	7.9	<6.9
	02/04/09	76.11	0.00	336.12	--	--	--	--	--	--	--	--	--	--
	05/05/09	76.35	0.00	335.88	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	<1.0
	08/03/09	76.24	0.00	335.99	--	--	--	--	--	--	--	--	--	--
	11/03/09	76.58	0.00	335.65	Well gauged only this quarter.									
	02/08/10	76.79	0.00	335.44	Well gauged only this quarter.									
	05/03/10	76.13	0.00	336.1	Well gauged only this quarter.									
	09/07/10	75.29	0.00	336.94	Well gauged only this quarter.									
	12/01/10	75.81	0.00	336.42	Well gauged only this quarter.									
	02/10/11	74.84	0.00	337.39	Well gauged only this quarter.									
	05/18/11	74.08	0.00	338.15	Well gauged only this quarter.									
	09/02/11	73.31	0.00	338.92	Well gauged only this quarter.									
	12/07/11	73.80	0.00	338.43	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	**23.3**	0.23
	02/23/12	74.64	0.00	337.59	Well gauged only this quarter.									
	05/22/12	74.36	0.00	337.87	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	NM	0.00	--	Well submerged under large surface puddle of water - not accessible.									
	04/29/15	75.27	0.00	336.96	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**19.0**	<10.0
	07/23/15	74.80	0.00	337.43	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	75.24	0.00	336.99	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	10/07/16	73.80	0.00	338.43	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**21.6**	<10.0
GW7D	09/20/17	71.70	0.00	340.53	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
(Cont)	09/05/18	72.98	0.00	339.25	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	2.7J	<2.0
	12/13/18	73.55	0.00	338.68	<19.6	--	--	4.4	1.7	0.31 J	<0.31	--	11.6	<2.0
	03/26/19	74.65	0.00	337.58	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/25/19	74.90	0.00	337.33	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	2.9J	<2.0
GW8S	12/11/18	35.35	0.00	378.42	Insufficient water to sample									
413.77	03/27/19	20.02	0.00	393.75	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/26/19	21.92	0.00	391.85	<38.3	--	--	<0.10	<0.83	<0.14	<0.31	--	<2.0	<2.0
GW-8D [1]	11/11/94	79.12	0.00	19.70	**88,000**	--	--	**17,000**	**18,000**	**1,000**	**7,000**	--	4	--
98.82	02/17/95	79.04	0.00	19.78	**11,000**	--	--	**20,000**	**22,000**	**1,650**	**9,200**	--	5	--
	05/16/95	78.28	0.00	20.54	**98,000**	--	--	**19,000**	**18,000**	**1,500**	**8,300**	--	7	--
	08/09/95	77.57	0.00	21.25	**95,000**	--	--	**21,000**	**19,000**	**1,400**	**7,400**	--	6	--
	11/06/95	77.49	0.00	21.33	**99,000**	--	--	**21,000**	**21,000**	**1,600**	**8,100**	--	4	--
	02/13/96	77.27	0.00	21.55	**110,000**	--	--	**25,000**	**28,000**	**2,000**	**10,000**	--	5	--
	02/21/96	76.87	0.00	21.95	--	--	--	--	--	--	--	--	--	--
	05/21/96	75.33	0.00	23.49	**100,000**	--	--	**23,000**	**24,000**	**1,700**	**9,400**	--	2	--
	06/06/96	75.13	0.00	23.69	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.17	0.00	23.65	--	--	--	--	--	--	--	--	--	--
	09/24/96	74.60	0.00	24.22	**92,000**	--	--	**18,000**	**18,000**	**1,500**	**7,700**	--	4	--
	12/12/96	75.11	0.00	23.71	**130,000**	--	--	**19,000**	**22,000**	**1,600**	**8,500**	--	4	--
	03/24/97	74.04	0.00	24.78	**73,000**	--	--	**14,000**	**18,000**	**1,400**	**7,400**	--	3	--
	04/11/97	73.57	0.00	25.25	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.38	0.00	25.44	**90,000**	--	--	**20,000**	**23,000**	**1,500**	**8,200**	--	7	--
	08/25/97	72.08	0.00	26.74	**47,000**	--	--	**10,000**	**10,000**	**840**	**4,800**	--	7	--
	11/19/97[*]	72.91	0.00	25.91	**39,000**	--	--	**8,000**	**7,600**	**760**	**12,000**	--	**11**	--
	02/12/98[NP]	73.04	0.00	25.78	**6,600**	--	--	**920**	420	120	350	--	<2	--
	05/14/98[NP]	72.40	0.00	26.42	640	--	--	**200**	92	24	110	--	4	--
	08/25/98[NP]	64.50	0.00	34.32[b]	**4,200**	--	--	**150**	850	34	820	--	3	--
	11/13/98[NP]	73.98	0.00	24.84[b]	**1,500**	--	--	**38**	68	2	460	--	10	--
	02/10/99	75.38	0.00	23.44[b]	284	--	--	**66.4**	10.5	6.45	23.1	--	--	--
	05/28/99[NP]	64.90	0.00	33.92[b]	**17,000**	--	--	**230**	**1,200**	100	**3,400**	--	4	--
	08/18/99[NP]	72.90	0.00	25.92[b]	<50	--	--	0.7	<1	<1	<1	--	--	--
	11/11/99[NP]	76.78	0.00	22.04	<50.0	--	--	2.46	<0.500	0.509	1.44	--	1.06	--
	02/09/00[NP]	74.83	0.00	23.99	<50	--	--	3.4	<1	<1	<1	--	<2	--
	05/24/00[NP]	73.25	0.00	25.57	**8,100**	--	--	**34.3**	10.6	<5.00	**1,850**	--	--	--
	09/11/00[NP]	67.00	0.00	31.82	69.2	--	--	0.503	<0.500	<0.500	6.87	--	--	--
	11/27/00	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	73.69	0.00	25.13	62.1	--	--	<0.500	<0.500	<0.500	< 1.00	--	2.03	--
	05/16/01	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	08/30/01[NP]	78.15	0.00	20.67	<50.0	--	--	<0.500	<0.500	<0.500	3.05	--	1.50	--
	11/19/01	78.87	0.00	19.95	99.1	--	--	<0.500	2.47	<0.500	25.6	--	<1.00	--
	05/04/02	76.32	0.00	22.50	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	11/20/02	77.19	0.00	21.63	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	77.11	0.00	21.71	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	77.69	0.00	21.14	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	77.64	0.00	21.18	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	77.70	0.00	21.12	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	78.21	0.00	20.61	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.11	0.00	19.71	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	79.44	0.00	19.38	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.6	<8.4	--
	11/11/05	78.57	0.00	20.25	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	78.40	0.00	20.42	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	77.71	0.00	21.11	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	77.20	0.00	21.62	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.50	0.00	20.32	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.15	0.00	21.67	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**51.1**	**46.2**
	05/22/07	76.32	0.00	22.50	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	75.73	0.00	23.09	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	76.60	0.00	22.22	150	--	--	3	5	1	8	<0.5	<6.9	<6.9
	02/19/08	76.65	0.00	22.17	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	7.7	<6.9
413.79	05/19/08	76.76	0.00	337.03	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	77.09	0.00	336.70	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	77.50	0.00	336.29	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	77.75	0.00	336.04	--	--	--	--	--	--	--	--	--	--
	05/05/09	78.04	0.00	335.75	<50.0	<85	<430	<1.0	<1.0	<1.0	3.1	<1.0	1.8	<1.0
	08/03/09	77.93	0.00	335.86	--	--	--	--	--	--	--	--	--	--

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Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/03/09	78.20	0.00	335.59	Well gauged only this quarter.									
	02/08/10	78.40	0.00	335.39	Well gauged only this quarter.									
GW8D	05/03/10	77.79	0.00	336.00	Well gauged only this quarter.									
(Cont)	09/07/10	76.95	0.00	336.84	Well gauged only this quarter.									
	12/01/10	77.46	0.00	336.33	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	8.5	0.15
	02/10/11	74.16	0.00	339.63	Well gauged only this quarter.									
	05/18/11	75.58	0.00	338.21	Well gauged only this quarter.									
	09/02/11	74.90	0.00	338.89	Well gauged only this quarter.									
	12/07/11	75.47	0.00	338.32	Well gauged only this quarter.									
	02/23/12	76.29	0.00	337.50	Well gauged only this quarter.									
	05/22/12	76.72	0.00	337.07	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	77.11	0.00	336.68	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	76.89	0.00	336.90	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	76.46	0.00	337.33	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	76.91	0.00	336.88	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--
	09/28/16	75.30	0.00	338.49	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	73.40	0.00	340.39	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	74.62	0.00	339.17	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/12/18	75.05	0.00	338.74	<19.6	--	--	<0.10	<0.083	0.28J	<0.31	--	2.2J	<2.0
	03/27/19	76.29	0.00	337.50	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/26/19	76.42	0.00	337.37	<38.3	--	--	<0.10	<0.083	<0.14	<0.31		<2.0	<2.0
GW9D [1]	11/11/94	79.83	0.00	19.74	**93,000**	--	--	**6,600**	**18,000**	**1,400**	**9,300**	--	<2	--
99.57	02/17/95	79.79	0.00	19.78	**87,000**	--	--	**9,100**	**17,000**	**1,330**	**7,900**	--	3	--
	05/16/95	78.99	0.00	20.58	**68,000**	--	--	**7,700**	**12,000**	**1,200**	**6,000**	--	3	--
	08/09/95	78.32	0.00	21.25	**88,000**	--	--	**12,000**	**18,000**	**1,200**	**7,100**	--	6	--
	11/06/95	78.23	0.00	21.34	**88,000**	--	--	**11,000**	**20,000**	**1,300**	**7,900**	--	<2	--
	02/13/96	78.00	0.00	21.57	**69,000**	--	--	**11,000**	**16,000**	**1,300**	**6,300**	--	3	--
	02/21/96	77.60	0.00	21.97	--	--	--	--	--	--	--	--	--	--
	05/21/96	76.05	0.00	23.52	**76,000**	--	--	**13,000**	**20,000**	**1,500**	**7,500**	--	2	--
	06/06/96	76.01	0.00	23.56	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.91	0.00	23.66	--	--	--	--	--	--	--	--	--	--
	09/24/96	75.26	0.00	24.31	**34,000**	--	--	**4,600**	**6,200**	650	**2,800**	--	6	--
	12/12/96	75.77	0.00	23.80	**100,000**	--	--	**11,000**	**18,000**	**1,700**	**8,400**	--	6	--
	03/24/97	74.81	0.00	24.76	**64,000**	--	--	**7,400**	**14,000**	**1,400**	**1,200**	--	10	--
	04/11/97	74.32	0.00	25.25	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.05	0.00	26.52	**74,000**	--	--	**8,500**	**20,000**	**1,500**	**7,700**	--	8	--
	08/25/97	72.87	0.00	26.70	**47,000**	--	--	**4,000**	**11,000**	**940**	**4,600**	--	8	--
	11/19/97[*]	73.61	0.00	25.96	**34,000**	--	--	**2,500**	**6,900**	**760**	**3,300**	--	**27**	--
	02/12/98[NP]	73.75	0.00	25.82	52	--	--	2	4	2	7	--	3	--
	05/14/98[NP]	73.12	0.00	26.45	<50	--	--	<0.5	<1	<1	1	--	<2	--
	08/25/98[NP]	72.54	0.00	27.03	**46,000**	--	--	**1,800**	**6,700**	150	**11,000**	--	6	--
	11/13/98[NP]	74.80	0.00	24.77	200	--	--	**93**	6	6	32	--	2	--
	02/10/99	76.08	0.00	23.49	**3,250**	--	--	**647**	215	112	482	--	--	--
	05/28/99[NP]	68.45	0.00	31.12	**3,000**	--	--	**32**	34	10	630	--	9	--
	08/18/99[NP]	73.61	0.00	25.96	<50	--	--	2.9	<1	<1	<1	--	--	--
	11/11/99[NP]	77.38	0.00	22.19	**6,440**	--	--	**2,510**	129	625	841	--	7.05	--
	02/09/00[NP]	75.54	0.00	24.03	320	--	--	**34**	<0.5	0.67	0.74	--	<2	--
	05/24/00[NP]	75.90	0.00	23.67	98.0	--	--	<1.25	<0.550	<0.500	3.11	--	--	--
	09/11/00[NP]	68.40	0.00	31.17	**1,160**	--	--	**94.8**	2.53	40.3	134	--	--	--
	11/27/00[NP]	76.41	0.00	23.16	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	3.70	--
	02/23/01	74.59	0.00	24.98	133	--	--	0.721	< 0.500	3.34	3.07	--	10.6	--
	05/16/01	79.10	0.00	20.47	<50.0	--	--	3.92	< 0.500	1.18	< 1.00	--	<1.00	--
	08/30/01[NP]	78.85	0.00	20.72	63.4	--	--	**52.5**	< 0.500	2.39	<1.00	--	2.03	--
	11/19/01	79.38	0.00	20.19	<50.0	--	--	0.726	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	78.05	0.00	21.52	<50.0	--	--	0.670	<0.500	<0.500	1.31	--	2.76	--
	11/20/02	77.97	0.00	21.60	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	78.09	0.00	21.48	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	78.36	0.00	21.22	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.40	0.00	21.17	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	78.48	0.00	21.09	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	78.85	0.00	20.72	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.71	0.00	19.86	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	79.94	0.00	19.63	<48	--	--	0.6	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	79.37	0.00	20.20	<48	--	--	0.6	<0.2	<0.2	<0.6	--	<8.4	--

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	03/01/06	79.12	0.00	20.45	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	78.42	0.00	21.15	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
GW9D [1]	08/28/06	77.87	0.00	21.70	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
Cont.	11/14/06	78.45	0.00	21.12	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.88	0.00	21.69	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**52.9**	**49.5**
	05/22/07	77.00	0.00	22.57	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	76.45	0.00	23.12	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	77.37	0.00	22.20	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	8.8	<6.9
414.53	05/19/08	77.47	0.00	337.06	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	77.78	--	336.75	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	78.20	0.00	336.33	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	78.50	0.00	336.03	--	--	--	--	--	--	--	--	--	--
	05/05/09	78.78	0.00	335.75	<50.0	<85	<430	<1.0	1.0	<1.0	5.3	<1.0	1.1	<1.0
	08/03/09	78.65	0.00	335.88	--	--	--	--	--	--	--	--	--	--
	11/03/09	78.92	0.00	335.61	Well gauged only this quarter.									
	02/08/10	79.11	0.00	335.42	Well gauged only this quarter.									
	05/03/10	78.52	0.00	336.01	Well gauged only this quarter.									
	09/07/10	77.70	0.00	336.83	Well gauged only this quarter.									
	12/01/10	78.15	0.00	336.38	671	--	--	<1.0	<1.0	9.3	47.2	<1.0	1.9	<0.10
	02/10/11	77.80	0.00	336.73	Well gauged only this quarter.									
	05/18/11	76.37	0.00	338.16	Well gauged only this quarter.									
	09/02/11	75.65	0.00	338.88	Well gauged only this quarter.									
	12/07/11	76.18	0.00	338.35	Well gauged only this quarter.									
	02/23/12	76.92	0.00	337.61	Well gauged only this quarter.									
	05/22/12	76.04	0.00	338.49	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	77.82	0.00	336.71	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	77.57	0.00	336.96	272	--	--	<1.0	<1.0	<1.0	10.8	--	<10.0	<10.0
	07/23/15	77.17	0.00	337.36	148	--	--	<1.0	<1.0	<1.0	4.9	--	--	--
	10/15/15	78.23	0.00	336.30	<250	--	--	<0.5	<0.5	<0.5	2.8	--	--	--
	10/07/16	76.10	0.00	338.43	130	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	74.09	0.00	340.44	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	75.37	0.00	339.16	<19.6	--	--	<0.10	0.17 J	<0.14	<0.31	--	<2.0	<2.0
	12/12/18	75.75	0.00	338.78	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	03/28/19	76.98	0.00	337.55	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/26/19	77.50	0.00	337.03	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
GW10S	12/13/18	22.10	0.00	392.36	<19.6	--	--	0.37 J	0.32 J	<0.14	<0.31	--	<2.0	<2.0
414.46	03/27/19	20.90	0.00	393.56	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/26/19	22.13	0.00	392.33	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
GW10D [1]	11/11/94	80.74	0.00	19.82	510	--	--	**14.4**	39	2	46	--	<2	--
100.56	02/17/95	80.68	0.00	19.88	**1,230**	--	--	**19.8**	119	11	129	--	<2	--
	05/16/95	79.89	0.00	20.67	810	--	--	**19.2**	94	<1	97	--	<2	--
	08/09/95	79.21	0.00	21.35	120	--	--	2.2	6	<1	21	--	2	--
	11/06/95	79.10	0.00	21.46	290	--	--	**5.9**	21	<1	46	--	2	--
	02/13/96	78.92	0.00	21.64	**2,600**	--	--	**38**	291	10	324	--	<2	--
	02/21/96	78.48	0.00	22.08	--	--	--	--	--	--	--	--	--	--
	05/21/96	77.00	0.00	23.56	**1,260**	--	--	**28.9**	121	8	190	--	<2	--
	06/06/96	76.94	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	06/11/96	76.82	0.00	23.74	--	--	--	--	--	--	--	--	--	--
	09/24/96	76.15	0.00	24.41	<50	--	--	0.6	<1	<1	3	--	4	--
	12/12/96	76.63	0.00	23.93	558	--	--	4.9	14	5	61	--	<2	--
	03/24/97	75.87	0.00	24.69	**1,200**	--	--	2.6	31	23	160	--	8	--
	04/11/97	75.29	0.00	25.27	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.98	0.00	26.58	**3,110**	--	--	**15.7**	133	68	434	--	3	--
	08/25/97	73.60	0.00	26.96	<50	--	--	<0.5	<1	<1	<1	--	3	--
	11/19/97[*]	74.52	0.00	26.04	<50	--	--	<0.5	<1	<1	<1	--	**26**	--
	02/12/98[NP]	74.61	0.00	25.95	<50	--	--	<0.5	<1	<1	<1	--	4	--
	05/14/98[NP]	73.74	0.00	26.82[b]	<50	--	--	<0.5	<1	<1	<1	--	4	--
	08/25/98[NP]	72.90	0.00	27.66[b]	**3,000**	--	--	**5.9**	55	15	310	--	2	--
	11/13/98[NP]	75.26	0.00	25.30[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/10/99	76.77	0.00	23.79[b]	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	05/28/99[NP]	63.60	0.00	36.96[b]	<50	--	--	<0.5	<1	<1	<1	--	3	--
	08/18/99[NP]	74.17	0.00	26.39[b]	<50	--	--	<0.5	<1	<1	<1	--	--	--
	11/11/99[NP]	61.05	0.00	39.51	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--

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Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
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Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/09/00[NP]	76.11	0.00	24.45	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	05/24/00[NP]	75.15	0.00	25.41	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00[NP]	36.00	0.00	64.56	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	80.17	0.00	20.39	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	< 1.00	--
	05/16/01	81.63	0.00	18.93	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01[NP]	79.60	0.00	20.96	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.07	--
	11/19/01	80.85	0.00	19.71	<50.0	--	--	<0.500	0.873	<0.500	1.03	--	<1.00	--
	05/04/02	78.81	0.00	21.75	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.84	--
	11/20/02	78.60	0.00	21.96	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	78.03	0.00	22.53	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	80.91	0.00	19.65	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	76.50	0.00	24.06	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	81.65	0.00	18.91	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	79.02	0.00	21.54	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	81.41	0.00	19.15	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	81.98	0.00	18.58	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	80.31	0.00	20.25	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	80.03	0.00	20.53	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	79.46	0.00	21.10	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	78.70	0.00	21.86	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	79.35	0.00	21.21	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	78.70	0.00	21.86	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	55.8	53.3
	05/22/07	77.82	0.00	22.74	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	77.15	0.00	23.41	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	77.00	0.00	23.56	67	--	--	<0.5	2	<0.8	3	<0.5	<6.9	<6.9
	02/19/08	78.12	0.00	22.44	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	11.4	<6.9
415.30	05/19/08	78.25	0.00	337.05	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	78.53	0.00	336.77	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	78.95	0.00	336.35	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	79.25	0.00	336.05	--	--	--	--	--	--	--	--	--	--
	05/04/09	79.29	0.00	336.01	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/03/09	79.39	0.00	335.91	--	--	--	--	--	--	--	--	--	--
	11/03/09	79.60	0.00	335.70	Well gauged only this quarter.									
	02/08/10	79.92	0.00	335.38	Well gauged only this quarter.									
	05/03/10	79.29	0.00	336.01	Well gauged only this quarter.									
	09/07/10	78.40	0.00	336.90	Well gauged only this quarter.									
	12/01/10	78.95	0.00	336.35	Well gauged only this quarter.									
	02/10/11	76.95	0.00	338.35	Well gauged only this quarter.									
	05/18/11	77.20	0.00	338.10	Well gauged only this quarter.									
GW10D	09/02/11	76.35	0.00	338.95	Well gauged only this quarter.									
(Cont)	12/07/11	76.87	0.00	338.43	Well gauged only this quarter.									
	02/23/12	77.78	0.00	337.52	Well gauged only this quarter.									
	05/22/12	77.52	0.00	337.78	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	78.62	0.00	336.68	<100	**560**	<500	0.51	<0.50	<0.50	1.0	--	<5.0	<5.0
	04/29/15	78.41	0.00	336.89	<100	<92	<230	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	77.93	0.00	337.37	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	10/15/15	78.35	0.00	336.95	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--
	09/27/16	76.80	0.00	338.50	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	74.79	0.00	340.51	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/04/18	76.06	0.00	339.24	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/13/18	76.60	0.00	338.70	<19.6	--	--	1.5	0.90 J	0.18 J	<0.31	--	2.9J	<2.0
	03/27/19	77.75	0.00	337.55	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/26/19	77.90	0.00	337.40	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	09/12/19	78.60	0.00	336.70	<38.3	<75.3	205J	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/12/19	79.00	0.00	336.30	<38.3	<67.7	<79.9	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	03/11/20	79.54	0.00	335.76	<38.3	<69.1	<81.6	<0.12	<0.12	<0.075	<0.29	--	<2.0	<2.0
GW11D [1]	11/11/94	79.83	0.00	19.89	<50	--	--	<0.5	<1	<1	<1	--	2	--
99.72	02/17/95	79.81	0.00	19.91	<50	--	--	<0.5	<1	<1	<1	--	5	--
	05/16/95	79.01	0.00	20.71	<50	--	--	1.5	<1	<1	<1	--	8	--
	08/09/95	78.35	0.00	21.37	<50	--	--	2.5	<1	<1	<1	--	4	--
	11/06/95	78.20	0.00	21.52	<50	--	--	0.7	<1	<1	<1	--	2	--
	02/13/96	78.02	0.00	21.70	<50	--	--	<0.5	<1	<1	<1	--	2	--
	02/21/96	77.55	0.00	22.17	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	05/21/96	76.09	0.00	23.63	--	--	--	--	--	--	--	--	--	--
	06/06/96	76.03	0.00	23.69	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.92	0.00	23.80	<50	--	--	<0.5	<1	<1	<1	--	6	--
	09/24/96	75.28	0.00	24.44	<50	--	--	<0.5	<1	<1	1	--	**25**	--
	12/12/96	75.80	0.00	23.92	<50	--	--	<0.5	<1	<1	<1	--	11	--
	03/24/97	74.69	0.00	25.03	<50	--	--	<0.5	<1	<1	<1	--	**29**	--
	04/11/97	74.34	0.00	25.38	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.11	0.00	26.61	<50	--	--	<0.5	<1	<1	<1	--	**19**	--
	08/25/97	73.00	0.00	26.72	<50	--	--	<0.5	<1	<1	<1	--	**19**	--
	11/19/97[*]	73.61	0.00	26.11	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	02/12/98[NP]	73.78	0.00	25.94	<50	--	--	<0.5	<1	<1	<1	--	9	--
	05/14/98[NP]	73.17	0.00	26.55	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98	70.10	0.00	29.62	--	--	--	--	--	--	--	--	--	--
	11/13/98	73.65	0.00	26.07	--	--	--	--	--	--	--	--	--	--
	02/10/99	76.10	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	64.90	0.00	34.82	<50	--	--	<0.5	<1	<1	<1	--	**98**	--
	08/18/99[NP]	73.88	0.00	25.84	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	77.08	0.00	22.64	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	75.61	0.00	24.11	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	75.55	0.00	24.17	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01[NP]	80.33	0.00	19.39	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	80.66	0.00	19.06	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.18	--
	11/20/02	78.44	0.00	21.28	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.54	<1.00
	05/21/03[NP]	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.21	<1.00
	11/14/03[NP]	78.68	0.00	21.05	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.57	0.00	21.15	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	79.91	0.00	19.81	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	79.61	0.00	20.11	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	79.75	0.00	19.97	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	80.32	0.00	19.40	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	79.58	0.00	20.14	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	79.24	0.00	20.48	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	78.62	0.00	21.10	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	78.00	0.00	21.72	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.54	0.00	21.18	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.95	0.00	21.77	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	76.7	65.5
	05/22/07	77.05	0.00	22.67	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
GW11D[1] DUP	05/22/07	77.05	0.00	22.67	--	--	--	--	--	--	--	--	<6.9	<6.9
	08/20/07	76.39	0.00	23.33	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	77.22	0.00	22.50	91	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	77.35	0.00	22.37	--	--	--	--	--	--	--	--	--	--
414.58	05/19/08	77.48	0.00	337.10	--	--	--	--	--	--	--	--	--	--
	08/18/08	77.68	0.00	336.90	Well not sampled due to obstruction.									
	11/17/08	78.19	0.00	336.39	Well not sampled due to obstruction.									
	02/04/09	78.45	0.00	336.13	Well not sampled due to obstruction.									
	05/04/09	78.54	0.00	336.04	Well not sampled due to obstruction.									
	08/03/09	78.60	0.00	335.98	Well not sampled due to obstruction.									
	11/03/09	78.91	0.00	335.67	Well not sampled due to obstruction.									
	02/08/10	79.15	0.00	335.43	Well not sampled due to obstruction.									
	05/03/10	78.52	0.00	336.06	Well gauged only this quarter.									
	09/07/10	77.65	0.00	336.93	Well gauged only this quarter.									
	12/01/10	78.18	0.00	336.40	Well gauged only this quarter.									
	02/10/11	75.79	0.00	338.79	Well gauged only this quarter.									
	05/18/11	76.45	0.00	338.13	Well gauged only this quarter.									
	09/02/11	75.52	0.00	339.06	Well gauged only this quarter.									
	12/07/11	76.16	0.00	338.42	<50	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	7.9	0.15
	02/23/12	77.00	0.00	337.58	Well gauged only this quarter.									
	05/22/12	76.72	0.00	337.86	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	77.83	0.00	336.75	<100	110	<500	1.3	<0.50	0.92	2.3	--	<5.0	<5.0

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Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	04/29/15	77.64	0.00	336.94	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	77.14	0.00	337.44	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	77.56	0.00	337.02	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--
	09/27/16	75.90	0.00	338.68	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	74.00	0.00	340.58	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	14.3	<10.0
	09/04/18	75.28	0.00	339.30	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	2.1J	<2.0
	12/11/18	75.85	0.00	338.73	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	3.0J	<2.0
	03/26/19	76.98	0.00	337.60	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/25/19	77.10	0.00	337.48	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
GW12D [1]	04/20/95	--	0.00	--	<50	--	--	0.6	<1	<1	<1	--	3	--
91.32	05/16/95	67.52	0.00	23.80	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/09/95	67.18	0.00	24.14	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	11/06/95	67.51	0.00	23.81	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/13/96	67.35	0.00	23.97	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/21/96	66.98	0.00	24.34	--	--	--	--	--	--	--	--	--	--
	05/21/96	65.17	0.00	26.15	--	--	--	--	--	--	--	--	--	--
	06/06/96	65.09	0.00	26.23	--	--	--	--	--	--	--	--	--	--
	06/11/96	65.05	0.00	26.27	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	09/24/96	65.35	0.00	25.97	<50	--	--	<0.5	<1	<1	<1	--	7	--
	12/12/96	64.97	0.00	26.35	<50	--	--	<0.5	<1	<1	<1	--	**17**	--
	03/24/97	63.86	0.00	27.46	<50	--	--	<0.5	<1	<1	<1	--	7	--
	04/11/97	63.03	0.00	28.29	--	--	--	--	--	--	--	--	--	--
	06/18/97	62.12	0.00	29.20	<50	--	--	<0.5	<1	<1	<1	--	11	--
	08/25/97	62.24	0.00	29.08	<50	--	--	<0.5	<1	<1	<1	--	11	--
	11/19/97	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/12/98[NP]	62.50	0.00	28.82	<50	--	--	<0.5	<1	<1	1	--	10	--
	05/14/98[NP]	62.10	0.00	29.22	<50	--	--	<0.5	<1	<1	1	--	6	--
	08/25/98	63.19	0.00	28.13	--	--	--	--	--	--	--	--	--	--
	11/13/98	64.60	0.00	26.72	--	--	--	--	--	--	--	--	--	--
	02/10/99	65.13	0.00	26.19	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	61.84	0.00	29.48	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	62.92	0.00	28.40	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	64.40	0.00	26.92	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	64.98	0.00	26.34	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	63.14	0.00	28.18	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01[NP]	66.70	0.00	24.62	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	4.41	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	67.40	0.00	23.92	<50.0	--	--	<0.500	<0.500	<0.500	1.01	--	9.34	--
	05/04/02	66.32	0.00	25.00	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	5.87	--
	11/20/02	66.52	0.00	24.80	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.47	<1.00
	05/21/03[NP]	66.65	0.00	24.67	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.96	<1.00
	11/14/03[NP]	64.91	0.00	26.42	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	64.80	0.00	26.52	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	67.05	0.00	24.27	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	**15.5**	<10.0
	02/08/05	67.31	0.00	24.01	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	67.05	0.00	24.27	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	66.87	0.00	24.45	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	67.43	0.00	23.89	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	66.90	0.00	24.42	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	66.35	0.00	24.97	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	66.07	0.00	25.25	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.00	0.00	13.32	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	65.91	0.00	25.41	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	76.5	65.4
	05/22/07	66.08	0.00	25.24	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	12	<6.9
	08/20/07	64.97	0.00	26.35	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	69.95	0.00	21.37	<50	--	--	<0.5	0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	65.58	0.00	25.74	<50	--	--	<0.5	0.7	<0.8	<0.8	<0.5	**19**	<6.9
406.56	05/19/08	65.45	0.00	341.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	65.88	0.00	340.68	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	66.40	0.00	340.16	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	Unable to locate well			--	--	--	--	--	--	--	--	--	--
	05/05/09	67.12	0.00	339.44	<50.0	<83	<420	<1.0	<1.0	<1.0	2.4	<1.0	3.7	<1.0
	08/03/09	64.60	0.00	341.96	--	--	--	--	--	--	--	--	--	--
	11/03/09	66.80	0.00	339.76	Well gauged only this quarter.									

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/08/10	66.85	0.00	339.71	Well gauged only this quarter.									
	05/03/10	65.81	0.00	340.75	Well gauged only this quarter.									
	09/07/10	65.45	0.00	341.11	Well gauged only this quarter.									
	12/01/10	66.03	0.00	340.53	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	8.3	0.50
	02/10/11	65.39	0.00	341.17	Well gauged only this quarter.									
	05/18/11	64.83	0.00	341.73	Well gauged only this quarter.									
	09/02/11	64.90	0.00	341.66	Well gauged only this quarter.									
	12/07/11	65.43	0.00	341.13	Well gauged only this quarter.									
	02/23/12	66.18	0.00	340.38	Well gauged only this quarter.									
	05/22/12	63.55	0.00	343.01	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	64.45	0.00	342.11	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	63.40	0.00	343.16	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	63.75	0.00	342.81	<100	--	--	<1.0	<1.0	1.5	<3.0	--	--	--
	10/15/15	65.62	0.00	340.94	Well gauged only this quarter.									
	10/07/16	64.50	0.00	342.06	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	62.35	0.00	344.21	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	63.65	0.00	342.91	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/12/18	64.28	0.00	342.28	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	2.8J	<2.0
	03/28/19	64.94	0.00	341.62	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/26/19	64.90	0.00	341.66	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	3.6J	<2.0
GW13S	12/13/18	38.85	0.00	374.28	**9,380**	--	--	**41.3**	14	230.0	882	--	<2.0	<2.0
413.13	03/28/19	32.70	0.00	380.43	**2,780**	--	--	**12.3**	4.1	69.5	194	--	<2.0	<2.0
	06/28/19	34.46	0.00	378.67	712	--	--	0.55J	0.20J	8.3	46.5	--	3.8J	<2.0
	09/12/19	38.25	0.00	374.88	**5,740**	--	--	**6.9**	1.8	99.1	190	--	<2.0	<2.0
	12/11/19	40.00	0.00	375.30	**6,150**	--	--	**34.2**	9.9	144	257	--	2.3J	--
	03/11/20	31.75	0.00	381.38	**3,300**	--	--	**11.8**	4.7	61.9	186		<2.0	<2.0
GW13D	12/13/18	74.30	0.00	338.64	<19.6	--	--	0.98 J	0.74 J	0.15 J	<0.31	--	10.00	<2.0
412.94	03/26/19	75.34	0.00	337.60	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/27/19	75.50	0.00	337.44	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	2.5J	<2.0
	09/12/19	76.17	0.00	336.77	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	4.2J	<2.0
	12/11/19	76.65	0.00	338.65	66.9J	--	--	<0.10	<0.083	<0.14	<0.31	--	5.0J	<2.0
	03/11/20	77.10	0.00	335.84	<38.3	--	--	<0.12	<0.12	<0.075	<0.29	--	4.4J	<2.0
GW14S	12/11/18	41.05	0.00	372.73	**113,000**	--	--	**13.8**	**6,440**	**2,790**	**17,600**	--	5.0 J	3.0 J
413.78	03/28/19	38.82	0.00	374.96	**53,300**	--	--	**9.7J**	**3,470**	**1,870**	**9,300**	--	<2.0	2.2J
	06/28/19	40.30	0.00	373.48	**96,200**	--	--	**21.6**	**5,350**	**2,610**	**13,300**	--	4.2J	<2.0
	09/12/19	44.73	0.00	369.05	**93,400**	--	--	**356**	**3,660**	**2,840**	**13,700**	--	11.1	<2.0
GW14S	12/12/19	45.00	0.00	370.30	**114,000**	--	--	**693**	**3,900**	**2,430**	**11,400**	--	2.5J	2.2J
Cont.	03/12/20	38.18	0.00	375.60	**35,800**	--	--	4.5J	**1,030**	499	**2,360**	--	3.2J	<2.0
GW14D	12/13/18	75.00	0.00	338.72	<19.6	--	--	**12**	0.40 J	<0.14	<0.31	--	<2.0	<2.0
413.72	03/30/19	76.12	0.00	337.60	502	--	--	**580**	1.5	34.4	3.5	--	<2.0	<2.0
	06/28/19	76.32	0.00	337.40	604	--	--	**956**	7.5	60.0	19.2	--	<2.0	<2.0
	09/12/19	76.82	0.00	336.90	402	--	--	**671**	3.0 J	23.1	<1.5	--	<2.0	<2.0
	12/12/19	77.30	0.00	338.00	39.9J	--	--	1.5	0.16J	0.15J	<0.31	--	4.4J	<2.0
	03/12/20	77.90	0.00	335.82	Well not sampled									
GW15S	12/11/18	39.30	0.00	374.76	Insufficient Water to Sample									
414.06	03/30/19	32.69	0.00	381.37	398	--	--	1.0J	0.23J	10.8	26.6	--	<2.0	<2.0
	06/25/19	34.67	0.00	379.39	**2,670**	--	--	**7.4**	6.9	52.5	281	--	<2.0	<2.0
	09/12/19	38.63	0.00	375.43	**987**	--	--	0.50 J	0.81 J	9.8	30.4	--	<2.0	<2.0
	12/11/19	40.42	0.00	374.88	470	--	--	0.65J	1.1	12.0	17.6	--	<2.0	--
	03/12/20	32.49	0.00	381.57	547	--	--	2.0	1.4	4.2	28.2	--	2.3J	<2.0
GW15D	12/13/18	56.00	0.00	358.01	<19.6	--	--	1.0	0.66 J	0.27 J	<0.31	--	8.1 J	<2.0
414.01	03/26/19	52.60	0.00	361.41	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/25/19	52.40	0.00	361.61	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	09/12/19	54.60	0.00	359.41	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/11/19	57.35	0.00	357.95	61.8J	--	--	<0.10	0.16J	0.28J	<0.31	--	2.4J	--
	03/12/20	53.98	0.00	360.08	<38.3	--	--	<0.12	<0.12	<0.075	<0.29	--	<2.0	<2.0
GW16S	12/11/18	48.50	0.00	366.94	Insufficient Water to Sample									
415.44	03/30/19	42.69	0.00	372.75	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	06/27/19	43.56	0.00	371.88	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
GW16D	12/13/18	76.55	0.00	338.69	<19.6	--	--	0.59 J	0.44 J	0.17 J	<0.31	--	6.7 J	<2.0
415.24	03/27/19	77.64	0.00	337.60	<19.6	--	--	<0.10	<0.083	<0.14	<0.31		<2.0	<2.0
	06/27/19	77.78	0.00	337.46	<38.3	--	--	<0.10	<0.083	<0.14	<0.31		<2.0	<2.0

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW17S	12/11/18	49.30	0.00	365.54	Insufficient Water to Sample									
414.84	03/30/19	48.00	0.00	366.84	<19.6	--	--	0.29 J	0.094 J	<0.14	<0.31	--	<2.0	<2.0
	06/27/19	47.00	0.00	367.84	<38.3	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
GW17D	02/27/00	76.08	0.00	338.99	<19.6	--	--	0.50 J	0.38 J	<0.14	<0.31	--	2.8 J	2.0 J
415.07	03/30/19	77.15	0.00	337.92	<19.6	--	--	<0.10	<0.083	<0.14	<0.31		2.9J	<2.0
	06/27/19	77.35	0.00	337.72	<38.3	--	--	<0.10	<0.083	<0.14	<0.31		2.8J	<2.0
GW18S	12/11/18	48.38	0.00	365.93	Insufficient Water to Sample									
414.31	03/30/19	Dry	0.00	--	Insufficient Water to Sample									
	06/25/19	48.18	0.00	366.13	Insufficient Water to Sample									
	09/12/19	48.50	0.00	365.81	Insufficient Water to Sample									
	12/12/19	48.30	0.00	366.01	Insufficient Water to Sample									
	03/11/20	48.49	0.00	365.82	Insufficient Water to Sample									
GW18D	12/11/18	75.45	0.00	338.73	<19.6	--	--	<0.10	0.093 J	<0.14	<0.31	--	<2.0	<2.0
414.18	03/27/19	76.50	0.00	337.68	**1,270**	--	--	**558**	3.8	45.0	109	--	4.9J	<2.0
	06/28/19	76.60	0.00	337.58	241	--	--	**62.3**	1.2J	7.3	<1.5	--	<2.0	<2.0
	09/12/19	77.28	0.00	336.90	<38.3	--	--	1.8	<0.083	<0.14	<0.31	--	5.4J	<2.0
	12/12/19	77.70	0.00	337.60	<38.3	--	--	0.32J	<0.083	<0.14	<0.31	--	3.4J	--
	03/11/20	78.27	0.00	335.91	Insufficient Water to Sample									

EXPLANATION:

All concentrations are in µg/L (ppb).

Wellhead elevations were taken from prior consultant's reports

DTW = Depth to water in feet below top of casing

LPH = Liquid-phase hydrocarbon thickness in feet

GW Elev. = Groundwater elevation in feet relative to top of casing elevations

Groundwater elevations were corrected for LPH using a specific gravity of 0.75.

TPH-G = Total Petroleum Hydrocarbons as gasoline by Ecology Method NWTPH-Gx

TPH-D = Total Petroleum Hydrocarbons as diesel and oil by Ecology Method NWTPH-Dx

Prior to 5/18/11, BTEX Analyzed by EPA Method 8021B.

After 5/18/11, BTEX Analyzed by EPA Method 5030B/8260.

Total Pb = Total lead by EPA Method 6020

Diss Pb = Dissolved lead by EPA Method 6020

Prior to December 20, 2011, 1,2-DCA = 1,2-Dichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene; 1,1-DCE = 1,1 Dichloroethene; 1,2-DCE = 1,2 Dichloroethene; 1,2-DCP = 1,2 Dichloropropane analyzed by EPA Method 8260.

Prior to December 20, 2011, EDB (1,2-Dibromoethane) analyzed by EPA Method 8011.

After December 20, 2011, 1,2-Dichloroethane (1,2-DCA); Tetrachloroethene (PCE); Trichloroethene (TCE); 1,1 Dichloroethene (1,1-DCE); 1,2 Dichloroethene (1,2-DCE); 1,2 Dichloropropane (1,2-DCP) and 1,2-Dibromoethane (EDB) analyzed by EPA Method 8260.

1n = Sample was evaluated to the MDL.; 2n = Diluted analysis conducted in excess of EPA method holding time; 4n = Sample was reanalyzed 3 days outside of holding time due to carryover.

J = Estimated concentration above the adjusted method deltection limit and below the adjusted reporting limit.

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

Z2 = Analyte present in the associated method blank above the detection limit.

Prior to second quarter 2008, monitoring wells surveyed to relative elevations. Wells were surveyed relative to sea level during the second quarter of 2008.

[1] = For wells GW7D through GW12D: Well designations changed from GW-7 through GW-12 respectively to reflect that the wells are designated as deep water bearing zone wells)

< = Less than the stated laboratory reporting limit

NM = Not Measured; -- = Not Analyzed or Sampled

[a] Concentration levels stated by MTCA Method A for TPH-G are

1,000 µg/L when no benzene is present and 800 µg/L when benzene is present.

[b] Approximated due to wellhead modification

[c] Samples collected from stub-ups inside remediation compound

[d] Well contained insufficient water to sample, labeled dry when unable to pull any water from well.

[NP] Not Purged

NA = Not established

Data collected before May 18, 2011 was obtained from prior consultants.

* DTW measurements collected 1 day prior to sampling

** Analytical results are anomalous compared to historical data. Cardno ATC suspects that sample ID's "GW-5" and "GW-6" may have been switched.

APPENDIX A

LABORATORY ANALYTICAL DATA REPORT AND CHAIN OF CUSTODY DOCUMENT

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

March 25, 2020

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

RE: Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Dear Elisabeth Silver:
Enclosed are the analytical results for sample(s) received by the laboratory on March 14, 2020. 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
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

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

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

SAMPLE SUMMARY

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10511780001	**GW-10D**	Water	03/11/20 15:05	03/14/20 09:10
10511780002	**GW-13S**	Water	03/11/20 11:15	03/14/20 09:10
10511780003	**GW-13D**	Water	03/11/20 12:10	03/14/20 09:10
10511780004	**GW-14S**	Water	03/12/20 14:30	03/14/20 09:10
10511780005	**GW-15S**	Water	03/12/20 11:35	03/14/20 09:10
10511780006	**GW-15D**	Water	03/12/20 10:20	03/14/20 09:10
10511780007	**Trip Blank**	Water	03/12/20 00:00	03/14/20 09:10

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10511780001	**GW-10D**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	ML4	7	PASI-M
10511780002	**GW-13S**	NWTPH-Gx	LPM	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	ML4	7	PASI-M
10511780003	**GW-13D**	NWTPH-Gx	LPM	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	ML4	7	PASI-M
10511780004	**GW-14S**	NWTPH-Gx	LPM	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10511780005	**GW-15S**	NWTPH-Gx	LPM	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 8260B	ML4	7	PASI-M
10511780006	**GW-15D**	NWTPH-Gx	LPM	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260B	ML4	7	PASI-M
10511780007	**Trip Blank**	NWTPH-Gx	LPM	2	PASI-M
		EPA 8260B	ML4	7	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: GW-10D **Lab ID: 10511780001** Collected: 03/11/20 15:05 Received: 03/14/20 09:10 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	**<69.1**	ug/L	417	69.1	1	03/17/20 14:39	03/19/20 19:50	68334-30-5	
Motor Oil Range	**<81.6**	ug/L	417	81.6	1	03/17/20 14:39	03/19/20 19:50		
Surrogates									
o-Terphenyl (S)	87	%.	50-150		1	03/17/20 14:39	03/19/20 19:50	84-15-1	
n-Triacontane (S)	91	%.	50-150		1	03/17/20 14:39	03/19/20 19:50	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<38.3**	ug/L	100	38.3	1		03/16/20 18:59		
Surrogates									
a,a,a-Trifluorotoluene (S)	96	%.	50-150		1		03/16/20 18:59	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 10:03	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 13:44	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.12**	ug/L	1.0	0.12	1		03/20/20 22:46	71-43-2	
Ethylbenzene	**<0.075**	ug/L	1.0	0.075	1		03/20/20 22:46	100-41-4	
Toluene	**<0.12**	ug/L	1.0	0.12	1		03/20/20 22:46	108-88-3	
Xylene (Total)	**<0.29**	ug/L	3.0	0.29	1		03/20/20 22:46	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		03/20/20 22:46	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1		03/20/20 22:46	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1		03/20/20 22:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: GW-13S **Lab ID: 10511780002** Collected: 03/11/20 11:15 Received: 03/14/20 09:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**3300**	ug/L	500	192	5		03/16/20 21:15		G+,G-
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%.	50-150		5		03/16/20 21:15	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 10:05	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 14:05	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**11.8**	ug/L	1.0	0.12	1		03/21/20 02:59	71-43-2	
Ethylbenzene	**61.9**	ug/L	1.0	0.075	1		03/21/20 02:59	100-41-4	
Toluene	**4.7**	ug/L	1.0	0.12	1		03/21/20 02:59	108-88-3	
Xylene (Total)	**186**	ug/L	3.0	0.29	1		03/21/20 02:59	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	75-125		1		03/21/20 02:59	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		03/21/20 02:59	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		03/21/20 02:59	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: GW-13D **Lab ID: 10511780003** Collected: 03/11/20 12:10 Received: 03/14/20 09:10 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		03/16/20 20:24		
Surrogates									
a,a,a-Trifluorotoluene (S)	94	%.	50-150		1		03/16/20 20:24	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead	**4.4J**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 10:07	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 14:08	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.12**	ug/L	1.0	0.12	1		03/20/20 23:03	71-43-2	
Ethylbenzene	**<0.075**	ug/L	1.0	0.075	1		03/20/20 23:03	100-41-4	
Toluene	**<0.12**	ug/L	1.0	0.12	1		03/20/20 23:03	108-88-3	
Xylene (Total)	**<0.29**	ug/L	3.0	0.29	1		03/20/20 23:03	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%.	75-125		1		03/20/20 23:03	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		03/20/20 23:03	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		03/20/20 23:03	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: GW-14S **Lab ID: 10511780004** Collected: 03/12/20 14:30 Received: 03/14/20 09:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**35800**	ug/L	10000	3830	100		03/16/20 21:32		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%.	50-150		100		03/16/20 21:32	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead	**3.2J**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 10:12	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 14:11	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**4.5J**	ug/L	5.0	0.60	5		03/25/20 12:23	71-43-2	
Ethylbenzene	**499**	ug/L	5.0	0.37	5		03/25/20 12:23	100-41-4	
Toluene	**1030**	ug/L	5.0	0.61	5		03/25/20 12:23	108-88-3	
Xylene (Total)	**2360**	ug/L	15.0	1.4	5		03/25/20 12:23	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	81	%.	75-125		5		03/25/20 12:23	17060-07-0	
Toluene-d8 (S)	93	%.	75-125		5		03/25/20 12:23	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125		5		03/25/20 12:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: GW-15S **Lab ID: 10511780005** Collected: 03/12/20 11:35 Received: 03/14/20 09:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**547**	ug/L	100	38.3	1		03/16/20 20:41		G+,G-
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	50-150		1		03/16/20 20:41	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead	**2.3J**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 10:13	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/18/20 05:41	03/18/20 13:09	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**2.0**	ug/L	1.0	0.12	1		03/21/20 01:01	71-43-2	
Ethylbenzene	**4.2**	ug/L	1.0	0.075	1		03/21/20 01:01	100-41-4	
Toluene	**1.4**	ug/L	1.0	0.12	1		03/21/20 01:01	108-88-3	
Xylene (Total)	**28.2**	ug/L	3.0	0.29	1		03/21/20 01:01	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%.	75-125		1		03/21/20 01:01	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		03/21/20 01:01	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		03/21/20 01:01	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: GW-15D **Lab ID: 10511780006** Collected: 03/12/20 10:20 Received: 03/14/20 09:10 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		03/16/20 20:59		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	50-150		1		03/16/20 20:59	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 10:15	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/16/20 12:25	03/17/20 14:14	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.12**	ug/L	1.0	0.12	1		03/21/20 00:44	71-43-2	
Ethylbenzene	**<0.075**	ug/L	1.0	0.075	1		03/21/20 00:44	100-41-4	
Toluene	**<0.12**	ug/L	1.0	0.12	1		03/21/20 00:44	108-88-3	
Xylene (Total)	**<0.29**	ug/L	3.0	0.29	1		03/21/20 00:44	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	75-125		1		03/21/20 00:44	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		03/21/20 00:44	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1		03/21/20 00:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Sample: Trip Blank **Lab ID: 10511780007** Collected: 03/12/20 00:00 Received: 03/14/20 09:10 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		03/19/20 18:06		
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	50-150		1		03/19/20 18:06	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.12**	ug/L	1.0	0.12	1		03/20/20 22:12	71-43-2	
Ethylbenzene	**<0.075**	ug/L	1.0	0.075	1		03/20/20 22:12	100-41-4	
Toluene	**<0.12**	ug/L	1.0	0.12	1		03/20/20 22:12	108-88-3	
Xylene (Total)	**<0.29**	ug/L	3.0	0.29	1		03/20/20 22:12	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		03/20/20 22:12	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		03/20/20 22:12	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125		1		03/20/20 22:12	460-00-4	

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QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665120 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780004, 10511780005, 10511780006

METHOD BLANK: 3567506 Matrix: Water
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780004, 10511780005, 10511780006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<38.3	100	38.3	03/16/20 17:17	
a,a,a-Trifluorotoluene (S)	%.	97	50-150		03/16/20 17:17	

LABORATORY CONTROL SAMPLE & LCSD: 3567508 3567509

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1100	984	110	98	72-130	11	20	
a,a,a-Trifluorotoluene (S)	%.				109	105	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3570366 3570367

Parameter	Units	10512249001 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	<38.3	1000	1000	1030	985	103	98	68-146	4	30	
a,a,a-Trifluorotoluene (S)	%.						108	111	50-150			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665724 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10511780007

METHOD BLANK: 3570379 Matrix: Water
Associated Lab Samples: 10511780007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<38.3	100	38.3	03/19/20 17:49	
a,a,a-Trifluorotoluene (S)	%.	103	50-150		03/19/20 17:49	

LABORATORY CONTROL SAMPLE & LCSD: 3570381 3570382

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	924	104	92	72-130	12	20	
a,a,a-Trifluorotoluene (S)	%.				108	103	50-150			

SAMPLE DUPLICATE: 3570797

Parameter	Units	10512565001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	6390	6530	2	30	E
a,a,a-Trifluorotoluene (S)	%.	106	108			

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QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665011 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D Water
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780004, 10511780005, 10511780006

METHOD BLANK: 3567099 Matrix: Water
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780004, 10511780005, 10511780006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	<2.0	10.0	2.0	03/17/20 09:51	

LABORATORY CONTROL SAMPLE: 3567100

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3567101 3567102

Parameter	Units	10511648001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	1000	1000	1030	1000	103	100	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665009 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D Water Dissolved
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780004, 10511780006

METHOD BLANK: 3567092 Matrix: Water
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780004, 10511780006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.0	10.0	2.0	03/17/20 13:36	

LABORATORY CONTROL SAMPLE: 3567093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3567094 3567095

Parameter	Units	10511780001 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	1030	1010	103	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665372
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D Water Dissolved
Associated Lab Samples: 10511780005

METHOD BLANK: 3568694 Matrix: Water
Associated Lab Samples: 10511780005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.0	10.0	2.0	03/18/20 13:06	

LABORATORY CONTROL SAMPLE: 3568695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3568696 3568697

Parameter	Units	10511780005 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	1040	1020	104	102	75-125	1	20	

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: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665957 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780005, 10511780006, 10511780007

METHOD BLANK: 3571644 Matrix: Water
Associated Lab Samples: 10511780001, 10511780002, 10511780003, 10511780005, 10511780006, 10511780007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.12	1.0	0.12	03/20/20 21:55	
Ethylbenzene	ug/L	<0.075	1.0	0.075	03/20/20 21:55	
Toluene	ug/L	<0.12	1.0	0.12	03/20/20 21:55	
Xylene (Total)	ug/L	<0.29	3.0	0.29	03/20/20 21:55	
1,2-Dichloroethane-d4 (S)	%.	99	75-125		03/20/20 21:55	
4-Bromofluorobenzene (S)	%.	105	75-125		03/20/20 21:55	
Toluene-d8 (S)	%.	100	75-125		03/20/20 21:55	

LABORATORY CONTROL SAMPLE: 3571645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.7	99	75-125	
Ethylbenzene	ug/L	20	21.3	106	75-125	
Toluene	ug/L	20	21.6	108	75-125	
Xylene (Total)	ug/L	60	63.7	106	75-125	
1,2-Dichloroethane-d4 (S)	%.			97	75-125	
4-Bromofluorobenzene (S)	%.			102	75-125	
Toluene-d8 (S)	%.			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3571673 3571674

Parameter	Units	10511780001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.12	20	20	20.2	18.8	101	94	63-125	7	30	
Ethylbenzene	ug/L	<0.075	20	20	22.1	20.5	111	103	66-128	8	30	
Toluene	ug/L	<0.12	20	20	22.0	20.5	110	102	64-125	7	30	
Xylene (Total)	ug/L	<0.29	60	60	66.0	61.2	110	102	64-131	8	30	
1,2-Dichloroethane-d4 (S)	%.						97	98	75-125			
4-Bromofluorobenzene (S)	%.						100	101	75-125			
Toluene-d8 (S)	%.						102	101	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

QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 666552
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10511780004

METHOD BLANK: 3574293 Matrix: Water
Associated Lab Samples: 10511780004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.12	1.0	0.12	03/25/20 11:15	
Ethylbenzene	ug/L	<0.075	1.0	0.075	03/25/20 11:15	
Toluene	ug/L	<0.12	1.0	0.12	03/25/20 11:15	
Xylene (Total)	ug/L	<0.29	3.0	0.29	03/25/20 11:15	
1,2-Dichloroethane-d4 (S)	%.	80	75-125		03/25/20 11:15	
4-Bromofluorobenzene (S)	%.	96	75-125		03/25/20 11:15	
Toluene-d8 (S)	%.	95	75-125		03/25/20 11:15	

LABORATORY CONTROL SAMPLE: 3574294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.5	93	75-125	
Ethylbenzene	ug/L	20	19.0	95	75-125	
Toluene	ug/L	20	18.4	92	75-125	
Xylene (Total)	ug/L	60	58.5	97	75-125	
1,2-Dichloroethane-d4 (S)	%.			91	75-125	
4-Bromofluorobenzene (S)	%.			95	75-125	
Toluene-d8 (S)	%.			95	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3574343 3574344

Parameter	Units	10512498001 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	18.3	18.8	92	94	63-125	3	30	
Ethylbenzene	ug/L	ND	20	20	18.5	19.7	92	98	66-128	7	30	
Toluene	ug/L	ND	20	20	18.6	19.6	92	97	64-125	5	30	
Xylene (Total)	ug/L	ND	60	60	58.5	62.8	97	105	64-131	7	30	
1,2-Dichloroethane-d4 (S)	%.						88	87	75-125			
4-Bromofluorobenzene (S)	%.						97	98	75-125			
Toluene-d8 (S)	%.						94	95	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

QUALITY CONTROL DATA

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

QC Batch: 665313 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV
Associated Lab Samples: 10511780001

METHOD BLANK: 3568196 Matrix: Water
Associated Lab Samples: 10511780001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	ug/L	<66.3	400	66.3	03/19/20 19:17	
Motor Oil Range	ug/L	<78.3	400	78.3	03/19/20 19:17	
n-Triacontane (S)	%.	92	50-150		03/19/20 19:17	
o-Terphenyl (S)	%.	97	50-150		03/19/20 19:17	

LABORATORY CONTROL SAMPLE & LCSD: 3568197 3568198

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	ug/L	2000	1680	1690	84	84	50-150	1	20	
Motor Oil Range	ug/L	2000	1750	1810	88	90	50-150	3	20	
n-Triacontane (S)	%.				98	94	50-150			
o-Terphenyl (S)	%.				101	94	50-150			

SAMPLE DUPLICATE: 3568199

Parameter	Units	10511780001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	ug/L	<69.1	<69.1		30	
Motor Oil Range	ug/L	<81.6	<81.6		30	
n-Triacontane (S)	%.	91	90			
o-Terphenyl (S)	%.	87	84			

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: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

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

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
G+	Late peaks present outside the GRO window.
G-	Early peaks present outside the GRO window.

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

METHOD CROSS REFERENCE TABLE

Project: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	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: Z076000070 AOC 2063 P66-Burien
Pace Project No.: 10511780

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10511780001	**GW-10D**	EPA Mod. 3510C	665313	NWTPH-Dx	665782
10511780001	**GW-10D**	NWTPH-Gx	665120		
10511780002	**GW-13S**	NWTPH-Gx	665120		
10511780003	**GW-13D**	NWTPH-Gx	665120		
10511780004	**GW-14S**	NWTPH-Gx	665120		
10511780005	**GW-15S**	NWTPH-Gx	665120		
10511780006	**GW-15D**	NWTPH-Gx	665120		
10511780007	**Trip Blank**	NWTPH-Gx	665724		
10511780001	**GW-10D**	EPA 3010A	665011	EPA 6010D	665183
10511780002	**GW-13S**	EPA 3010A	665011	EPA 6010D	665183
10511780003	**GW-13D**	EPA 3010A	665011	EPA 6010D	665183
10511780004	**GW-14S**	EPA 3010A	665011	EPA 6010D	665183
10511780005	**GW-15S**	EPA 3010A	665011	EPA 6010D	665183
10511780006	**GW-15D**	EPA 3010A	665011	EPA 6010D	665183
10511780001	**GW-10D**	EPA 3010A	665009	EPA 6010D	665184
10511780002	**GW-13S**	EPA 3010A	665009	EPA 6010D	665184
10511780003	**GW-13D**	EPA 3010A	665009	EPA 6010D	665184
10511780004	**GW-14S**	EPA 3010A	665009	EPA 6010D	665184
10511780005	**GW-15S**	EPA 3010A	665372	EPA 6010D	665479
10511780006	**GW-15D**	EPA 3010A	665009	EPA 6010D	665184
10511780001	**GW-10D**	EPA 8260B	665957		
10511780002	**GW-13S**	EPA 8260B	665957		
10511780003	**GW-13D**	EPA 8260B	665957		
10511780004	**GW-14S**	EPA 8260B	666552		
10511780005	**GW-15S**	EPA 8260B	665957		
10511780006	**GW-15D**	EPA 8260B	665957		
10511780007	**Trip Blank**	EPA 8260B	665957		

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.

Page: 1 of 1

2301248

Section A — Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW, Seattle, WA
Email To: Elisabeth.Silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT:

Section B — Required Project Information:

Report To: Elisabeth Silver
Copy To: Aynalem.Degefa@atcgs.com; Joseph.Teresi@atcgs.com
Purchase Order No.:
Project Name: AOC 2063 P66-Burien
Project Number: Z076000070

Section C — Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: ~~34765~~ 12

REGULATORY AGENCY

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

Site Location STATE: WA

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	8260 BTEX	NWTPH-DX	Lead-Total	Lead-Dissolved	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW-10D		G	3-11-20	1505				10			2	8					X	X	X	X	X		001
2	GW-13S		G	3-11-20	1115				8			2	6					X	X		X	X		002
3	GW-13D		G	3-11-20	1210				8			2	6					X	X		X	X		003
4	GW-14S		G	3-12-20	1430				8			2	6					X	X		X	X		004
5	GW-15S		G	3-12-20	1135				8			2	6					X	X		X	X		005
6	GW-15D		G	3-12-20	1020				8			2	6					X	X		X	X		006
7	TRIP BLANK 3/14/20 cmy								3															007
8																								
9																								
10																								
11																								
12																								

WO#: 10511780

10511780

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)
	J. Teresi	3-13-2020	1500	PACE	3-13	1500	—	Y	N	Y
		3-13	1700	PACE	3/14/20	900	1.6	Y	N	Y

SAMPLER NAME AND SIGNATURE: ~~J. Teresi~~ ST
PRINT Name of SAMPLER: Joseph Teresi
SIGNATURE of SAMPLER: J. Teresi
DATE Signed (MM/DD/YY): 3-13-2020

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: 19Feb2020 Page 1 of 1
	Document No.: **F-MN-L-213-rev.31**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt **Client Name:** ATC **Project #:** **WO#: 10511780**

PM: JMG **Due Date: 03/23/20** **CLIENT: ATC_WA**

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

Tracking Number: 4934 3734 3648

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

Did Samples Originate in West Virginia? ☐ Yes ☐ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☐ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 1.6 °C **Average Corrected Temp (no temp blank only):** ☐ See Exceptions

Correction Factor: TRUE **Cooler Temp Corrected w/temp blank:** 1.6 °C ☐ 1 Container

USDA Regulated Soil: (☒ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** 3/16/20 CMY

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 ☐ No ☒ Yes ☐ No	8.
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? Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other_____	☒ Yes ☐ No	11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐
All containers needing acid/base preservation have been checked?	☒ Yes ☐ No ☐ N/A	12. Sample #
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#** **See Exception** ☐
		Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes ☒ No ☐ N/A	13. **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): 247891

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

Person Contacted: Elisabeth Silver Date/Time: 03/16/20

Comments/Resolution: Notified client of trip blank received but not listed on the coc.

Project Manager Review: Jenni Gross **Date:** 03/16/20

Note: Whenever there is a discrepancy affecting North Carolina 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: CMY

Pace Analytical®	Document Name: **Headspace Exception**	Document Revised: 17Dec2018 Page 1 of 1
	Document No.: **F-MN-C-276-Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample ID	Headspace greater than 6mm	Headspace less than 6mm	No Headspace	Total Vials	Sediment Present?
GW - 13D	1	0	5	6	N

APPENDIX B

FIELD REPORTS / GROUNDWATER GAUGING & SAMPLING LOGS

Monitor Well Gauging Log

FLD-102
Revision 0.0
Jul-08

ATC Branch: Seattle - 10282	Date: 3/11-12/2020	Page 1 of 1
ATC Representative(s): AD, ST, CB	Project: PGG-Burien AOC 2063	
	Location: 12660 1st Ave S, Seattle, WA	
Contact Information: (206) 781-1449	Project No: Z076000070	Task No:
	Weather: overcast, rainy, partly cloudy	Temperature: ~45°F
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)
GW-100*	2"	1427	1425	—	79.54	—	93.26'	
GW-185		1032	1035	—	31.75	—	49.60'	soft bottom of well
GW-190		1120	1125	—	77.10	—	84.10'	
GW-145		1345	1347	—	38.18	—	50.00'	soft bottom of well
GW-140		1320	1322	—	77.90	—	78.73'	NS; soft bottom of well
GW-155		1048	1052	—	32.49	—	45.23'	firm bottom of well
GW-150		0942	0944	—	53.98	—	73.58'	gray silty sand on water meter sensor; soft bottom of well
GW-185		1605	1607	—	48.49	—	49.20	NS
GW-180		1615	1620	—	78.27	—	79.92'	NS
GW-105	2"	1405	1410	—	21.01	—	NM	mistakenly gauged at GW-100; not sampled

3-11-2020

3-12-2020

3-11-2020

Comments:

* GW-100 sampled for DX (2 amber)

- GW-185 not sampled due to insufficient water
- GW-180 " "
- GW-140 " "
- All total well depths were re-measured this quarter

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: 3/11/2020	Page 1 of 1
ATC Representative(s): J. Tereri, L. Brown	Project: 186 - Burien	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-10D	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 X Submersible Pump ___ Peristaltic Pump Other: ___

3 Well Volumes X Low Flow ___ Micro Purge ___ Intake Depth (feet below TOC) 82.50

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): 93.10
Depth to Water (DTW)(feet): 79.54	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: 1438

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
1448	79.60	0.75	14.15	242	clear	5.92	7.69	159.2	
1451	79.90	1.00	14.61	250	clear	5.81	7.62	161.5	
1454	79.90	1.25	14.81	252	clear	5.78	7.58	163.1	
1457	79.90	1.50	14.98	255	clear	5.70	7.54	164.4	
1500	79.90	1.75	15.06	256	clear	5.69	7.51	165.6	

Sample Data

Sample ID: GW-10D	Time of Sample: 1505	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): 350 mL/min
Recovery Type: ___ Fast X Slow	% Recovery =

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

Comments:

* 100-500 → low flow purge

* Pump threshold: 66

Monitoring Well Purging and Sampling Log

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Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 3/11/2020	Page 1 of 1
ATC Representative(s): A. Deyerle, J. Terrill	Project: 966 - Burien	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-135		
	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 X Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) 34.75

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): 50.00
Depth to Water (DTW)(feet): 31.75	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: 1050

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
1100	33.95	1.5	14.49	376	cloudy	1.20	7.09	164.6	—
1103	34.18	1.60	14.53	379	clear	0.93	7.18	148.0	—
1106	34.10	1.70	14.54	378	"	0.92	7.24	138.0	—
1109	34.10	1.80	14.54	376	"	0.91	7.28	136.3	—

Sample Data

Sample ID: GW-135	Time of Sample: 1115	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): 160 ml/min
Recovery Type: ____ Fast X Slow	% Recovery = 100

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

Comments:

Monitoring Well Purging and Sampling Log

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ATC Branch: Seattle - 10282	Date: 3/11/2020	Page 1 of 1
ATC Representative(s): A. Dejesh, J. Teresi	Project: P66 - Burien	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-13D		
	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 X Submersible Pump ___ Peristaltic Pump Other: ___

3 Well Volumes X Low Flow ___ Micro Purge ___ Intake Depth (feet below TOC) 80.10

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): 85.20
Depth to Water (DTW)(feet): 77.10	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: 1145

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
1155	77.15	2.0	13.18	387	clear	3.86	7.57	153.9	
1158	77.15	2.25	13.12	387	clear	3.82	7.58	153.3	
1201	77.15	2.50	13.05	387	clear	3.81	7.59	153.3	
1204	77.17	2.75	12.99	386	clear	3.78	7.60	152.9	

Sample Data

Sample ID: GW-13D	Time of Sample: 1210	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): 160
Recovery Type: ___ Fast X Slow	% Recovery = 100

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

Comments:

Monitoring Well Purging and Sampling Log

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ATC Branch: Seattle - 10282	Date: 3/12/2010	Page 1 of 1
ATC Representative(s): DT, CB	Project:	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-145		
	Weather: partly cloudy	Temperature: ~50°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 ☑ Micro Purge ____ Intake Depth (feet below TOC) 41.00'

Sampling Method: ____ Teflon Bailer ____ Disposable Bailer ☑ 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): ~~50.50'~~ 50.00
Depth to Water (DTW)(feet): 38.18'	Water Column (WC)(feet):
LNAPL Thickness (ft): ____	Purging Start Time: 1354

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
1404	39.72	1.25	14.94	435	clear	0.34	7.90	64.2	odor, sheen
1407	39.84	1.50	15.28	433	↓	0.30	7.95	31.1	
1410	40.00	1.75	15.59	430	" "	0.32	7.93	6.3	
1413	40.04	2.00	15.78	431	" "	0.29	7.98	-6.4	
1416	40.12	2.25	15.65	432	" "	0.27	8.02	-26.6	

Sample Data

Sample ID: GW-145	Time of Sample: 1430	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 (DTWm)(feet):	Approximate Flow Rate (GPM): 130 mL/min
Recovery Type: ____ Fast ☑ Slow	% Recovery =

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

Comments:

Monitoring Well Purging and Sampling Log

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Jul-08

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 (± 10 mV)	Other
1419	40.3	2.35	15.43	432	clear	0.24	8.09	-38.1	
1422	40.4	2.5	15.54	432	" "	0.23	8.05	-41.4	

Comments:

Monitoring Well Purging and Sampling Log

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Jul-08

ATC Branch: Seattle - 10282	Date: 3/12/2020	Page 1 of 1
ATC Representative(s): JT, CB	Project:	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-14D	Weather: partly cloudy	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 ____ 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): ~~80.80~~ 78.73
Depth to Water (DTW)(feet): 77.90	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: —

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

Sample Data

Sample ID:	Time of Sample:	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: ____ Fast ____ Slow	% Recovery =

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

Comments: Not sampled due to insufficient water

Monitoring Well Purging and Sampling Log

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Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 3/12/2020	Page 1 of 1
ATC Representative(s): JT, CB	Project: PBG - Burien	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-155		
	Weather: partly cloudy	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 X Submersible Pump ___ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ___ Micro Purge ____ Intake Depth (feet below TOC) 35.50

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): 45.00
Depth to Water (DTW)(feet): 32.49	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: 1058

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
1108	33.18	1.0	13.10	543	clear	1.30	6.99	186.3	
1111	33.22	1.5	12.98	548	↓	1.12	7.01	186.6	
1114	33.32	1.75	13.45	574	↓	1.13	7.03	185.9	
1117	33.40	~~2~~ 1.90	14.04	595	↓	1.05	7.02	186.8	
1120	33.45	2.0	14.60	617	↓	0.98	7.00	187.6	

Sample Data

Sample ID: GW-155	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 (DTWm)(feet):	Approximate Flow Rate (GPM): 185 mL/min
Recovery Type: ____ Fast X Slow	% Recovery =

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

Comments:

Monitoring Well Purging and Sampling Log

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Revision 1.0
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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 (± 10 mV)	Other
1123	33.52	2.1	14.78	626	clear	1.02	7.00	187.3	
1126	33.52	2.2	14.73	636	↓	1.05	7.01	187.7	
1129	33.52	2.3	14.53	643	↓	1.07	7.00	189.0	

Comments:

Monitoring Well Purging and Sampling Log

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Jul-08

ATC Branch: Seattle - 10282	Date: 3/12/2020	Page 1 of 1
ATC Representative(s): CB, JT	Project:	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No:
Well ID: GW-15D		
	Weather: rainy	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 X Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes ____ Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) 57.80

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): 74.40
Depth to Water (DTW)(feet): 53.98	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: 0953

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
1053	55.35	0.50	12.10	356	clear	1.44	7.07	192.9	
1056	55.35	0.60	12.29	358	↓	1.47	7.06	192.6	
1059	55.35	0.70	12.73	358	↓	1.28	7.02	192.3	
1012	55.40	0.80	12.88	357	↓	1.27	7.00	190.7	
1015	55.40	0.90	12.93	357	↓	1.23	7.00	190.4	

Sample Data

Sample ID: GW-15D	Time of Sample: 1020	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 (DTWm)(feet):	Approximate Flow Rate (GPM): 185 ml/hr
Recovery Type: ____ Fast V Slow	% Recovery =

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

Comments:

Monitoring Well Purging and Sampling Log

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Revision 1.0
Jul-08

ATC Branch: Seattle, WA	Date: 3/11/2020	Page 1 of 1
ATC Representative(s): JT, CB	Project: PGE - Burlen	
	Location:	
Contact Information: (206) 781-1449	Project No:	Task No: 7601
Well ID: GW-18S		
	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 X Submersible Pump ___ Peristaltic Pump Other: ___

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

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

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

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 49.20
Depth to Water (DTW)(feet): 48.49	Water Column (WC)(feet): —
LNAPL Thickness (ft): —	Purging Start Time: —

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

Sample Data

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

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: NS due to low water in well

Monitoring Well Purging and Sampling Log

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Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 3/11/2020	Page 1 of 1	
ATC Representative(s): J. Teresi, L. Brown	Project: P66 - Burien		
	Location:		
Contact Information: (206) 781-1449	Project No:	Task No:	
Well ID: GW-18D	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 X Submersible Pump ____ Peristaltic Pump Other: ____

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

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): ~~80.90~~ ~~78.73~~ → disregard (JT)
Depth to Water (DTW)(feet): 78.27	Water Column (WC)(feet): 80.90
LNAPL Thickness (ft): —	Purging Start Time:

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

Sample Data

Sample ID:	Time of Sample:	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 (DTWm)(feet):	Approximate Flow Rate (GPM):
Recovery Type: ____ Fast ____ Slow	% Recovery =

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

Comments: With only 2.63' of water in well, this volume was insufficient to purge (water would not pump out of well).

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282	Date: 3/11/2020	Page 1 of 2
ATC Representative(s): A. Degefa, J. Teresi, C. Brown	Project: P66 - Burien GW Monitoring + Sampling	
Role: Field Geologist	Location: Burien	
Contact Information: (206) 781-1449	Project No: Z076000070	Task No: --
Scope of Work:	Weather: partly cloudy	Temperature: ~45°F
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
1010	ATC onsite ; tailgate safety meeting
1030	Mobilize to GW-13S & GW-13D
1032	open GW 13S
1035	Gauge GW-13S DWT = 31.75
1115	sample GW-13S, decon Equipment, Mob to GW-13D
1120	open GW-13D ; gauge @ 1125
1210	sample GW-13D
1220	Pick 30 gal drum, labled, located at the dumpster Compound behind the 76 store dumped ~5 gal of purge water from the two wells initialy sampled in to the drum.
1230	Take lunch ; wait for LB to arrive
1315	LB onsite ; AD offsite (not feeling well)
1340	Tailgate meeting
1400	Mob to GW-10D
1505	GW-10D sampled
1550	Mob to GW-18S ; water insufficient to sample
1620	Gauged GW-18D and setup to sample well.
1635	Discontinued attempts to purge GW-18D. Insufficient water to sample. ATC began breaking down work area for the day.

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: 3/11/2020	Page 2 of 2
ATC Representative(s): T. Teresi / L. Boorn	Project: P66 - Boston	
Role: Field Geologist	Location: 1660 1st Ave S., Seattle, WA	
Contact Information: (206) 781-1449	Project No:	Task No: --
Scope of Work: Groundwater Monitoring X Monitoring ___ Assessment ___ Remediation ___ Closure	Weather: Partly Cloudy	Temperature: ~50°F
	Contractor: NA	

Time:	Comments:
1657	ATC emptied ~4 Gal combined purge/Decon H_2O into the 20-Gal drum located in Sta. trash enclosure.
1701	ATC checked out w/Sta employee and demobed. *Drum now contains ~9 Gal. H_2O.

JT

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: 3/12/2020	Page 1 of 3
ATC Representative(s): J. Teresi, C. Brown	Project: P66 - Burien	
Role: Field Geologist	Location: 12660 1st Ave S, Seattle, WA	
Contact Information: (206) 781-1449	Project No: 2076000070	Task No: --
Scope of Work: GWM	Weather: Overcast	Temperature: ~45°F
☒ Monitoring ☐ Assessment ☐ Remediation ☐ Closure	Contractor: NA	

Time:	Comments:
0840	ATC onsite (JT & LB)
0845	Conduct tailgate meeting & sign HASP
0900	Pick up supplies from Safeway (ice, water) & return to site
0915	Calibrate YSI probe
0925	Mob to GW-15S & GW-15D
0953	Purge start at GW-15D. Joey Teresi performing sampling activities / L. Brown is designated safety oversight.
1020	ATC collecting sample GW-15D *ATC notes that Cascade Drilling has is working on property at SW corner of intersection. Has sonic rig setup.
1058	ATC began purging GW-15S.
1135	ATC collecting sample GW-15S. During collection, ATC observed customer attempt to drive away from pump with fuel nozzle still installed in vehicle (vehicle had just been fueled, customer had went in to store after fueling and left nozzle in car). Pump was off/no fueling in progress. ATC waved driver down to stop. Driver acknowledged ATC and stopped → then moved vehicle forward ~1'. Driver exited vehicle

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: 3/12/2020	Page 2 of 3
ATC Representative(s): S Teresi / C Bowen	Project: 766 Bowen	
Role: Field Geologist	Location: 13660 1st Ave S, Seattle, WA	
Contact Information: (206) 781-1449	Project No: 20762220070	Task No: --
Scope of Work: GWM	Weather: ~~Overcast~~ mostly sunny	Temperature: ~50 °F
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: NA	

Time:	Comments:
	(*Vehicle was off and removed 1022 to Bow vehicle/replaced it to pump.
1210	ATC emptied ~4 Gal purge/Decon H_2O into 30-Gal drum located in Sta. trash enclosure.
1215	ATC on lunch.
1248	ATC off lunch and getting up to gauge sample GW-14D
1345	Discontinued attempts to sample GW-14D. Well found to only have 0.83' GW (sediment accumulation in well bottom).
1354	Began purging GW-14S.
1430	Collecting sample GW-14S.
1445	Sampling at GW-14S completed and ATC cleaning up work area.
1505	ATC began checking total depths in GW-10D, GW-15D, GW-15S, GW-13D, GW-13S, GW-18S.
1607	Total depth gauging activities complete and ATC emptied ~6-Gal purge/Decon H_2O into 30-Gal drum in Sta. trash enclosure. Drum now contains ~20-Gal total
1620	ATC checked out w/Sta employee and demobed. Note: Observed well abandonment concrete patch inside the monument of former well GW-6 appears to have settled by ~1/2" (greatest settlement at W side.) and

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: 5/12/2020	Page 3 of 3
ATC Representative(s): J. Teresi / L. Brown	Project: P66 - Boston	
Role: Field Geologist	Location: 1200 1st Ave S. Ste. Seattle, WA	
Contact Information: (206) 781-1449	Project No: 207600090	Task No: --
Scope of Work: GWM	Weather: Mostly Sunny	Temperature: ~55 °F
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: NA	

Time:	Comments:
	concrete is loose (movement when walked on).
	LB

Equipment Used:

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

INSERT SAFETY AUDIT

Drum Inventory Log

FLD-108
Revision 0.0
Jul-08

ATC Branch: Seattle - 10282
Date: 3-11-12-2020
Page 1 of 1

ATC Representative(s): AO, JT, LB
Project: P66 - Bunker GWM & GWS

Contact Information: (206) 781-1449
Location: 12600 1st Ave S, Seattle, WA

Scope of Work:
X Monitoring ___ Assessment ___ Remediation ___ Closure

Project No: 2076000070
Task No:
AOC 2063

Drum ID	Source ID(s)	Type of Material (Soil / Sludge / Water)	Quantity of Material in Drum	Date Waste Generated
Drum 1 (30-gal)	GWM Purge/decon water	Water	20 gallons	3-11-2020 & 3-12-2020
		JT		

Comments: Drum is located behind locked fence NW of station building

Supplier: Industrial Container Services
206-763-2345

Photographs (Y/N)

Drum Location Sketch:

Date Drum Pickup Scheduled:

# of Drums From This Event: 1

Verified Pick up:

Total # of Drums at Site: 1

APPENDIX C

NON-HAZARDOUS WASTE DOCUMENTATION

476104

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 2	3. Emergency Response Phone	4. Waste Tracking Number
	None Required		800-337-7455	088-2083-2020-01

5. Generator's Name and Mailing Address
Phillips 66
76 Broadway
Sacramento CA 95818
Generator's Phone: 916 558-7633

Att: Ed Ralston

Generator's Site Address (if different than mailing address)
Phillips 66 (AOC 2063)
12805 1st Ave South
Burien WA 98168

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

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

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
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.	Non-RCRA, non-DOT (IDW Water OR343083)	001	DM	150	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1) Profile #OR343083

WM#W 980773

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 for PL6 — Signature: Elisabeth — Month 4 Day 7 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: Jacob Briere — Signature: — Month 4 Day 7 Year 20
Transporter 2 Printed/Typed Name: Allen Palmer — Signature: — Month 4 Day 7 Year 20

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 Dunlap — Signature: — Month 4 Day 16 Year 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

476104 2

NON-HAZARDOUS WASTE MANIFEST (Continuation Sheet)	19. Generator ID Number NON-REQUIRED	20. Page of 2	21. Waste Tracking Number P66-2063-2020-01

22. Generator's Name PHILLIPS 66 (AOC2063)

23. Transporter 3 Company Name UNION PACIFIC RAILROAD U.S. EPA ID Number NED017922910 04-16-20

24. Transporter 4 Company Name COLUMBIA RIDGE LANDFILL U.S. EPA ID Number ORD987173457

GENERATOR

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

29. Special Handling Instructions and Additional Information

CONTAINER # WMXU 980773

TRANSPORTER

30. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name H. Malo Signature H. Malo Month 1 4 Day 1 4 Year 2 0

31. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name Brittney Havins Signature Brittney Havins Month 1 4 Day 1 5 Year 2 0

DESIGNATED FACILITY

32. Discrepancy

170-BLC-O 6 10502 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR