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GROUNDWATER MONITORING REPORT
(Second Quarter 2021 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:
Mike Warfel
Washington State Department of Ecology
15700 Dayton Avenue North
Shoreline, Washington 98133

Submitted on behalf of:
Eli Gurian
Phillips 66 Company
Remediation Management
3900 Kilroy Airport Way
Suite 210
Long Beach, California 90806

Submitted by:
Atlas Technical Consultants
6347 Seaview Avenue Northwest
Seattle, Washington 98107

Atlas Project No. Z076000070
October 15, 2021

Joseph Teresi, GIT
Staff Scientist

Elisabeth Silver, L.G.
Senior Project Manager

SITE INFORMATION:

Atlas Contact Person:	Elisabeth Silver, L.G.
Date of previous sampling event:	03/09-10/2021
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 07/14-15/2021:

Date(s) monitored and/or sampled:	07/14-15/2021
Wells monitored:	Nine: GW-10D, GW-13S, GW-13D, GW-14S, GW-14D, GW-15S, GW-15D, GW-18S, and GW-18D
Wells sampled:	Eight: GW-10D, GW-13S, GW-13D, GW-14S, GW-14D, GW-15S and GW-15D, GW-18D .
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 07/14–15/2021:

Minimum depth to groundwater (feet below top of casing [TOC]):	32.42 (GW-13S, upper water bearing zone).
Maximum depth to groundwater (feet below TOC):	78.40 (GW-10D, lower water bearing zone).
Average groundwater elevation (feet):	375.25 (Upper water bearing zone - GW-13S, GW-14S, GW-15S, GW-18S) and 342.19 (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):	-3.80 (upper water bearing zone); -0.42 (lower water bearing zone)
Approximate groundwater gradient/flow direction:	0.20 feet per foot (ft./ft.) west/southwest (upper water bearing zone); 0.65 ft./ft. south/southwest, (lower water bearing zone)
Previous groundwater gradient/flow direction (3/09 – 03/10/21):	0.30 ft./ft. west/southwest (upper water bearing zone); 0.79 ft./ft. south/southwest (lower water bearing zone)

GROUNDWATER CONDITIONS 07/14-15/2021:

Minimum dissolved phase gasoline-range hydrocarbon concentration excluding “non-detects” (micrograms per liter [µg/L]):	1,390 (GW-15S – upper water bearing zone)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L):	50,900 (GW-14S – upper water bearing zone)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L) observed previous sampling event (March, 2021):	23,200 (GW-14S – upper water bearing zone)
Minimum dissolved phase benzene concentration excluding “non-detects” (micrograms per liter [µg/L]):	2.47 (GW-15S – upper water bearing zone)
Maximum dissolved phase benzene concentration (µg/L):	636 (GW-14D – lower water bearing zone)
Maximum dissolved phase benzene concentration (µg/L) observed previous sampling event (March, 2021):	665 (GW-14D – lower water bearing zone)
Minimum dissolved phase toluene concentration excluding “non-detects” (micrograms per liter [µg/L]):	0.477J (GW-10D – lower water bearing zones)
Maximum dissolved phase toluene concentration (µg/L):	4,250 (GW-14S – upper water bearing zone)
Maximum dissolved phase toluene concentration (µg/L) observed previous sampling event (March, 2021):	107 (GW-14S – upper water bearing zone)
Minimum dissolved phase ethylbenzene concentration excluding “non-detects” (micrograms per liter [µg/L]):	0.162J (GW-13D – lower water bearing zone)
Maximum dissolved phase ethylbenzene concentration (µg/L):	1,740 (GW-14S – upper water bearing zone)
Maximum dissolved phase ethylbenzene concentration (µg/L) observed previous sampling event (March, 2021):	75.4 (GW-14S – upper water bearing zone)

Minimum dissolved phase total xylenes concentration excluding "non-detects" (µg/L):	0.321J (GW-18D – lower water bearing zone)
Maximum dissolved phase total xylenes concentration (µg/L):	9,000 (GW-14S – upper water bearing zone)
Maximum dissolved phase total xylenes concentration (µg/L) observed previous sampling event (March, 2021):	334 (GW-14S – upper water bearing zone)
Minimum total lead concentration excluding "non-detects" (µg/L):	2.7J (GW-15S – upper water bearing zone and GW-18D – lower water bearing zone)
Maximum total lead concentration (µg/L):	3.8J (GW-13S – upper water bearing zone)
Maximum total lead concentration (µg/L) observed previous sampling event (March, 2021):	7.4J (GW-13D – lower water bearing zone)
Minimum dissolved lead concentration excluding "non-detects" (µg/L):	all other wells were 'non detect'
Maximum dissolved lead concentration (µg/L):	2.9J (GW-14S – upper water bearing zone)
Maximum dissolved lead concentration (µg/L) observed previous sampling event (March, 2021):	all wells were 'non detect'

ADDITIONAL INFORMATION AND COMMENTS:

During the July 2021 groundwater monitoring and sampling event, nine monitoring wells were monitored including GW-10D, GW-13S, GW-13D, GW-14S, GW-14D, GW-15S, GW-15D, GW-18S, and GW-18D. Monitoring well GW-18S did not have sufficient water to sample. Seven of the wells, including GW-10D, GW-13S, GW-13D, GW-14S, GW-14D, GW-15S, GW-15D and GW-18D, were sampled and analyzed during the 2nd Quarter 2021 sampling event.

Shallow Water Bearing Zone: During the July 2021 event, gasoline-range hydrocarbons were detected above the MTCA Method A Cleanup Level (CUL) in GW-13S, GW-14S, and GW-15S with concentrations of 5,810 µg/L, 50,900 µg/L, and 1,390 µg/L, respectively. Benzene was detected above the MTCA Method A CUL in GW-13S and GW-14S at concentrations of 10.4 µg/L and 48.7J µg/L, respectively. Benzene was detected below the MTCA Method A CUL in GW-15S. Toluene was detected above the MTCA Method A CUL in GW-14S at a concentration of 4,350 µg/L. Toluene was detected below the MTCA Method A CUL in GW-13S and GW-15S. Ethylbenzene was detected above the MTCA Method A CUL in GW-14S at a concentration of 1,740 µg/L. Ethylbenzene was detected below the MTCA Method A CUL in GW-13S and GW-15S. Total xylenes were detected above the MTCA Method A CUL in GW-14S at a concentration of 9,000 µg/L. Total xylenes were detected below the MTCA Method A CUL in GW-13S and GW-15S. Total Lead was detected below the MTCA Method A CUL in GW-13S, GW-14S and GW-15S. Dissolved lead was detected below the MTCA Method A CUL in GW-14S in the shallow water bearing zone.

Deep Water Bearing Zone: Analytical results indicate that gasoline range hydrocarbons were detected above the MTCA Method A CUL in GW-14D at a concentration of 1,720 µg/L. Gasoline range hydrocarbons were not detected in any of the other wells in the deep water-bearing zone. Benzene was detected above the MTCA Method A CUL at a concentration of 636 µg/L in GW-14D. Benzene was detected below the MTCA Method A CUL in GW-18D. Toluene was not detected above the MTCA Method A CUL in any of the other deep water-bearing zone wells. Ethylbenzene and total xylenes were detected below the MTCA Method A CULs in all of the wells in the deep water-bearing zone. Total lead was detected below the MTCA Method A CUL in GW-18D and dissolved lead was not detected in all wells in the deep water-bearing zone.

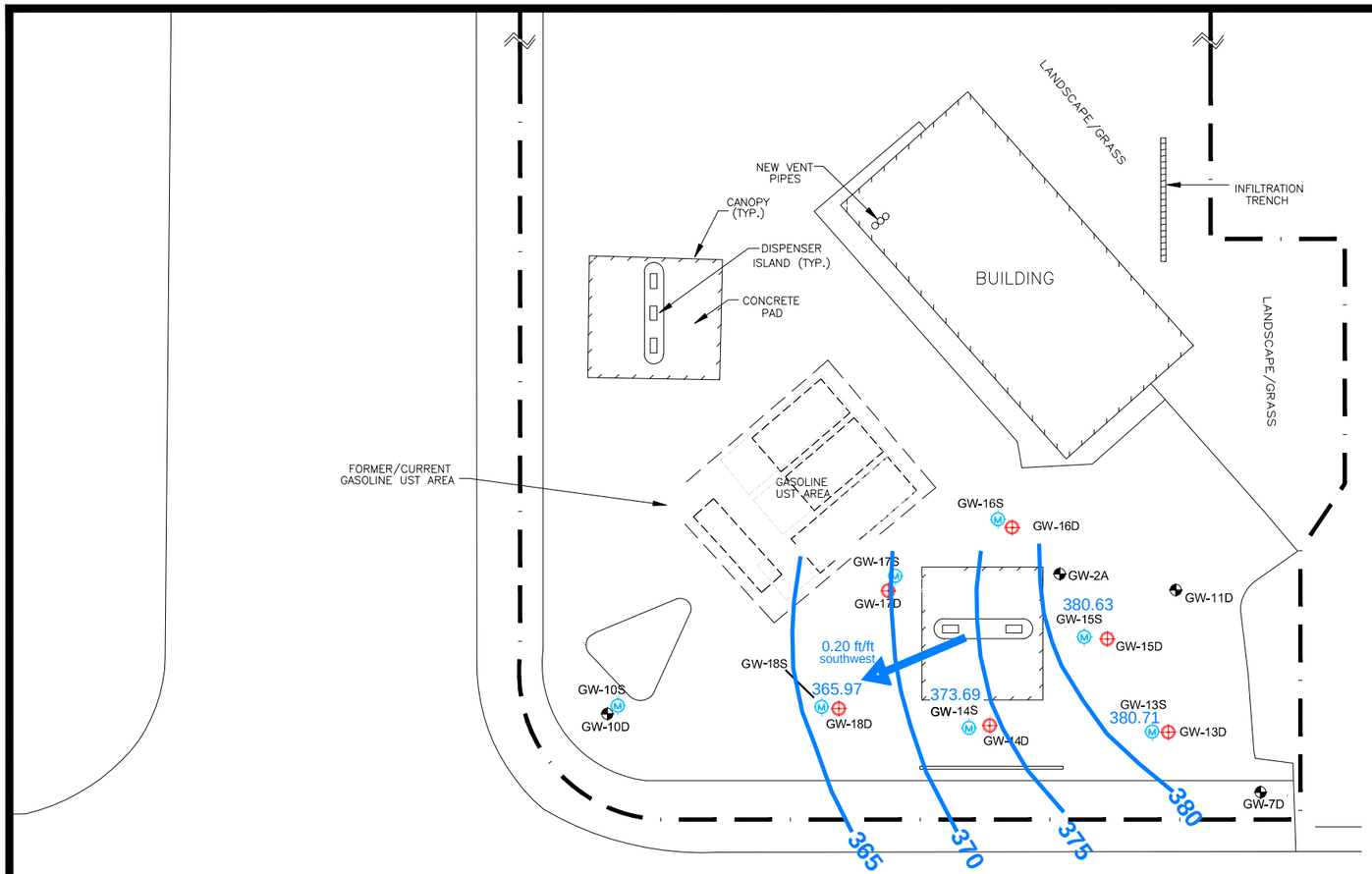
Conclusions/Recommendations

The second quarter 2021 groundwater monitoring and sampling results indicate that groundwater flow was to the west/southwest in the shallow water-bearing zone. In the deep water-bearing zone, groundwater flow was determined to be approximately to the south/southwest. Hydrocarbon-related impacts above the MTCA Method A CULs were detected in the area to the south and southeast of the southern dispensers in the shallow water-bearing zone, and in the deep water bearing zone in the area to the south of the southern dispensers.

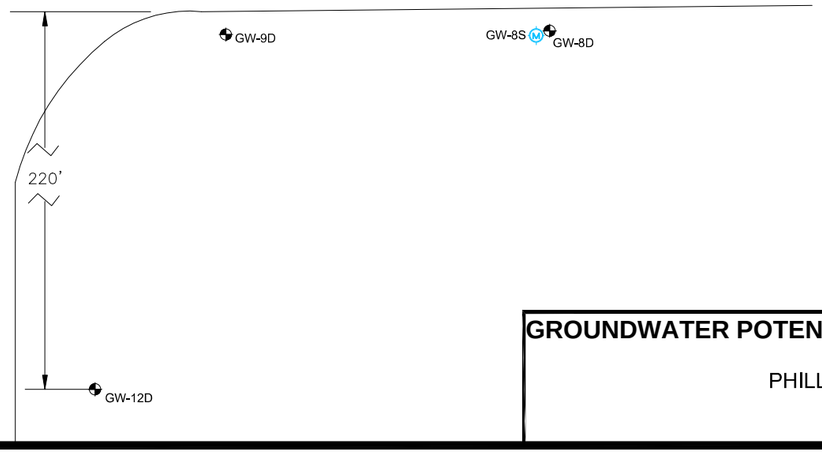
ATTACHMENTS:

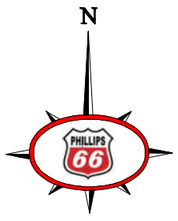
Figure 1 Groundwater Potentiometric Map – Shallow Water Bearing Zone 07/14-15/2021
Figure 2 Groundwater Potentiometric Map – Deep Water Bearing Zone 07/14-15/2021
Figure 3 Analytical Results Map 07/14-15/2021
Table 1 Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Appendix A 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

0 30 60

SCALE, FT

NOTE: ALL LOCATIONS ARE APPROXIMATE

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- APPROXIMATE SITE BOUNDARY
- 380.71 GROUNDWATER ELEVATION
- 380 GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION / CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT) — 0.20 ft/ft

GROUNDWATER POTENTIOMETRIC MAP - UPPER WATER BEARING ZONE (07/14-15/2021)

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

PROJECT NUMBER: Z076000070	DATE: 09/2021	FIGURE 1
APPROVED BY: ES	DRAWN BY: BK	

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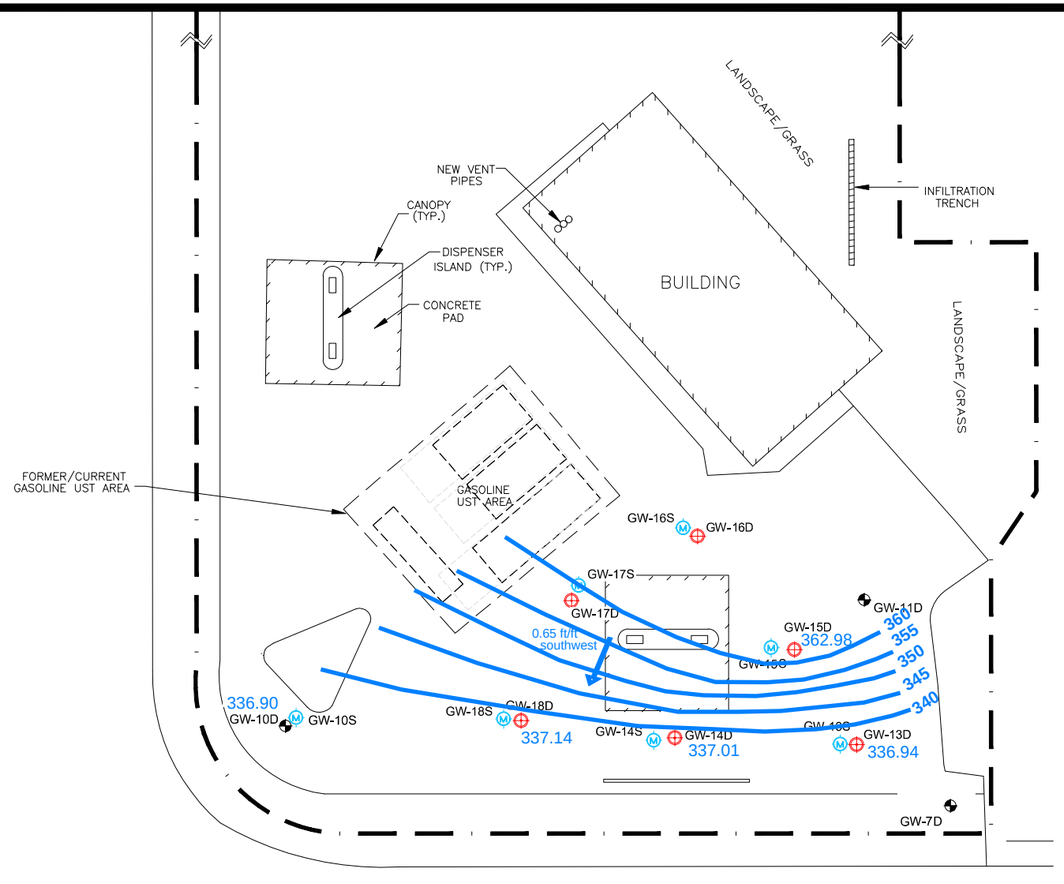
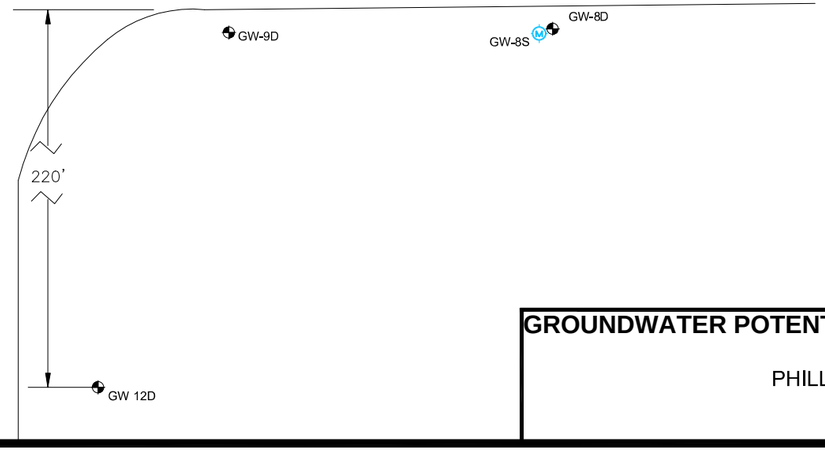


SOUTHWEST 128TH STREET



1ST AVENUE SOUTH

N

0 30 60

SCALE, FT

NOTE: ALL LOCATIONS ARE APPROXIMATE

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- 336.94 GROUNDWATER ELEVATION
- 350 GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION
- 0.65ft/ft southwest CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT)

GROUNDWATER POTENTIOMETRIC MAP - LOWER WATER BEARING ZONE

(07/14-15/2021)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)

12660 FIRST AVENUE SOUTH

SEATTLE, WASHINGTON

PROJECT NUMBER: Z076000070	DATE: 09/2021	FIGURE
APPROVED BY: ES	DRAWN BY: BK	2

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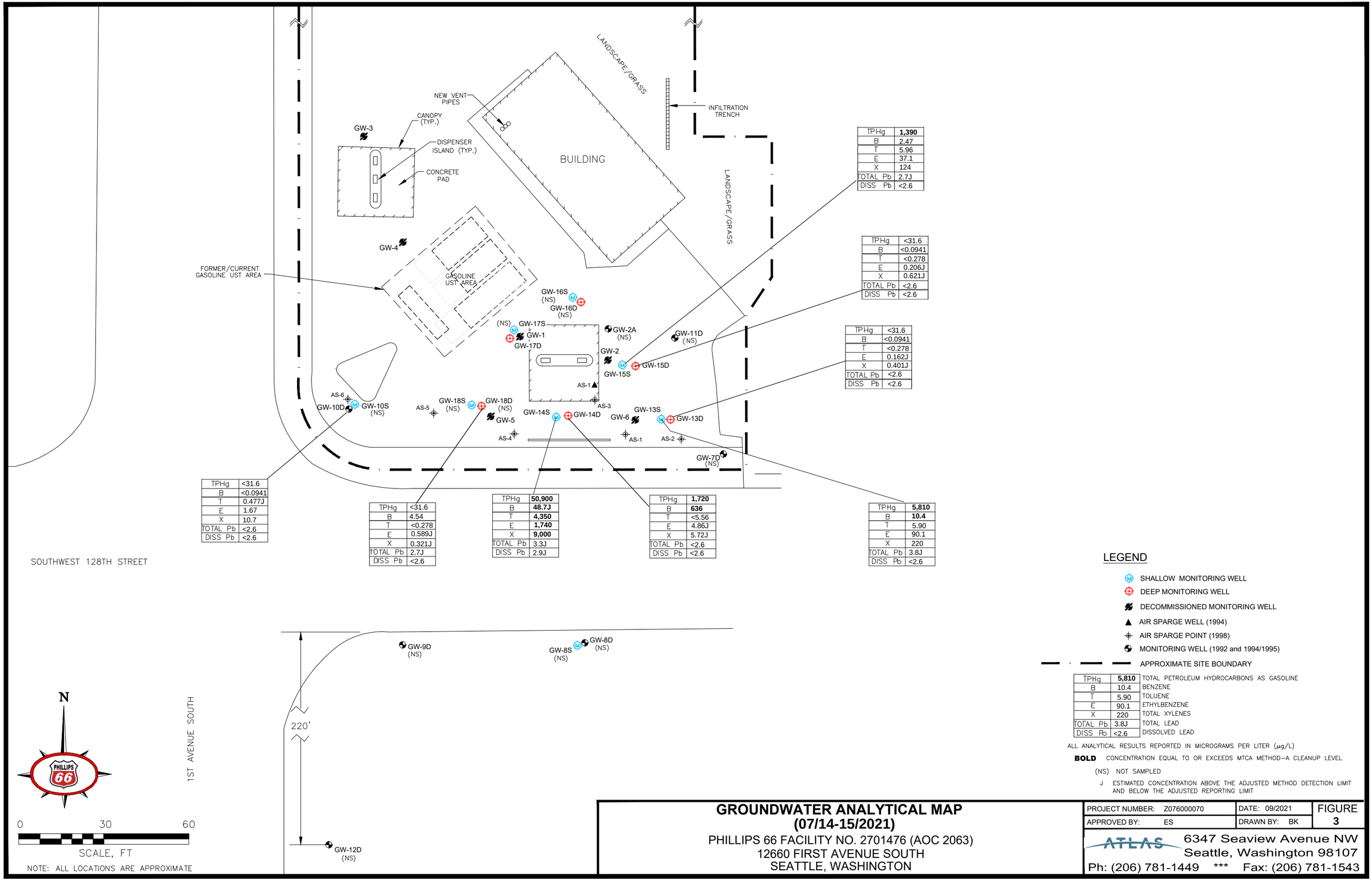

TPHg	1,390
B	2.47
T	5.96
E	37.1
X	124
TOTAL Pb	2.7J
DISS Pb	<2.6

TPHg	<31.6
B	<0.0941
T	<0.278
E	0.206J
X	0.621J
TOTAL Pb	<2.6
DISS Pb	<2.6

TPHg	<31.6
B	<0.0941
T	<0.278
E	0.162J
X	0.401J
TOTAL Pb	<2.6
DISS Pb	<2.6

TPHg	<31.6
B	<0.0941
T	0.477J
E	1.67
X	10.7
TOTAL Pb	<2.6
DISS Pb	<2.6

TPHg	<31.6
B	4.54
T	<0.278
E	0.589J
X	0.321J
TOTAL Pb	2.7J
DISS Pb	<2.6

TPHg	50,900
B	48.7J
T	4,350
E	1,740
X	9,000
TOTAL Pb	3.3J
DISS Pb	2.9J

TPHg	1,720
B	636
T	<5.56
E	4.86J
X	5.72J
TOTAL Pb	<2.6
DISS Pb	<2.6

TPHg	5,810
B	10.4
T	5.90
E	90.1
X	220
TOTAL Pb	3.8J
DISS Pb	<2.6

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	5,810	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	10.4	BENZENE
T	5.90	TOLUENE
E	90.1	ETHYLBENZENE
X	220	TOTAL XYLENES
TOTAL Pb	3.8J	TOTAL LEAD
DISS Pb	<2.6	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

NOTE: ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER ANALYTICAL MAP (07/14-15/2021)

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

PROJECT NUMBER: Z076000070	DATE: 09/2021	FIGURE 3
APPROVED BY: ES	DRAWN BY: BK	

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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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW-1	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.									
	02/10/11	45.91	0.00	368.83	Well gauged only this quarter.									
	05/18/11	35.25	0.00	379.49	Well gauged only this quarter.									
	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													
GW-2	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	--	--	--	--	--	--	--	--	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/11/94	44.37	**0.07**	55.00	LPH Present	--	--	--	--	--	--	--	--	--
GW-2 Cont.	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
	11/14/06	44.06	0.00	55.26	**12,000**	--	--	**860**	720	130	**1,500**	<1	<6.9	<6.9
	02/21/07	34.22	0.00	65.10	**6,800**	--	--	**920**	570	99	810	<1	70.4	62.2
	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													
GW-2A	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	--	--	--	--	--	--	--	--	--	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/14/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
GW-2A Cont.	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.											
	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.											
	09/27/16	NM	Stinger lodged in well, unable to gauge or sample.											
	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.											
GW-3	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**	--
	02/12/98NP	76.72	0.00	26.06	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	05/14/98NP	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]	--	--	--	--	--	--	--	--	--	--
	05/28/99NP	79.68	0.00	23.10[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99NP	76.45	0.00	26.33[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99NP	79.18	0.00	23.60	--	--	--	--	--	--	--	--	--	--
	02/09/00NP	78.42	0.00	24.36	--	--	--	--	--	--	--	--	--	--
	05/24/00NP	77.46	0.00	25.32	352	--	--	<0.500	<0.500	<0.500	36.4	--	--	--
	09/11/00NP	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
	05/21/03NP	81.15	0.00	21.63	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03NP	81.59	0.00	21.19	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04NP	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

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	08/03/09	81.65	0.00	336.09	--	--	--	--	--	--	--	--	--	--
GW-3 Cont.	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.									
	09/07/10	80.72	0.00	337.02	Well gauged only this quarter.									
	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													
GW-4	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	--	--	--	--	--	--	--	--	--	--	--
	05/22/07	DRY	0.00	--	--	--	--	--	--	--	--	--	--	--
	8/20/2007[d]	78.47	DRY	23.37	--	--	--	--	--	--	--	--	--	--
	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.									

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	09/02/11	77.64	0.00	339.15	Well gauged only this quarter.									
GW-4 Cont.	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													
GW-5	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
	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
	12/9/04 [NP]	80.04	0.00	18.94	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	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

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	07/23/15	75.06	0.00	338.34	182	--	--	3.9	<1.0	2.4	7.6	--	--	--
GW-5 Cont.	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													
GW-6	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	--	--	--	--	--	--	--	--	--	--	--
	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**	--	--	--
	11/11/99[NP]	43.39	0.00	54.85	218	--	--	1.11	5.55	0.642	30.1	--	4.47	--
	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													
GW-7D [1]	11/11/94	77.35	0.00	19.82	<50	--	--	1.3	2	<1	2	--	<2	--

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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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
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**	--
GW-7D Contd.	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	--	--	--	--	--	--	--	--	--	--
	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	--	--	--
	10/07/16	73.80	0.00	338.43	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**21.6**	<10.0
	09/20/17	71.70	0.00	340.53	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	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
	03/09/21	Well not monitored or sampled this quarter												
GW-8S	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
	03/09/21	Well not monitored or sampled this quarter												
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	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	05/16/95	78.28	0.00	20.54	**98,000**	--	--	**19,000**	**18,000**	**1,500**	**8,300**	--	7	--
GW-8D Contd.	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	--	--	--	--	--	--	--	--	--	--
	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.									
	05/03/10	77.79	0.00	336.00	Well gauged only this quarter.									
	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	Well not monitored or sampled this quarter												
GW-9D [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	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/21/96	77.60	0.00	21.97	--	--	--	--	--	--	--	--	--	--
GW-9D Contd.	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	--
	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
	08/28/06	77.87	0.00	21.70	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	Well not monitored or sampled this quarter												
GW-10S	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
	07/31/20	Well not monitored or sampled this quarter												
	0/09/2021	Well not monitored or sampled this quarter												
GW-10D [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	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/13/96	78.92	0.00	21.64	**2,600**	--	--	**38**	291	10	324	--	<2	--
GW-10D Contd.	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	--
	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.									
	09/02/11	76.35	0.00	338.95	Well gauged only this quarter.									
	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
	03/31/20	Well not monitored or sampled this quarter												
	03/09/21	79.25	0.00	336.05	45.7J	--	--	0.0773J	<0.278	0.157J	0.238J	--	<2.0	<2.0
	07/15/21	78.40	0.00	336.90	<31.6	--	--	<0.0941	0.477J	1.67	10.7	--	<2.6	<2.6
GW-11D [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	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/06/95	78.20	0.00	21.52	<50	--	--	0.7	<1	<1	<1	--	2	--
GW-11D Cont.	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	--	--	--	--	--	--	--	--	--	--
	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**	--
	02/12/98NP	73.78	0.00	25.94	<50	--	--	<0.5	<1	<1	<1	--	9	--
	05/14/98NP	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	--	--	--	--	--	--	--	--	--	--
	05/28/99NP	64.90	0.00	34.82	<50	--	--	<0.5	<1	<1	<1	--	**98**	--
	08/18/99NP	73.88	0.00	25.84	--	--	--	--	--	--	--	--	--	--
	11/11/99NP	77.08	0.00	22.64	--	--	--	--	--	--	--	--	--	--
	02/09/00NP	75.61	0.00	24.11	--	--	--	--	--	--	--	--	--	--
	05/24/00NP	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	--	--	--	--	--	--	--	--	--	--	--
	05/16/01NP	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
	05/21/03NP	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.21	<1.00
	11/14/03NP	78.68	0.00	21.05	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04NP	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
GW-11D[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
	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	Well not monitored or sampled this quarter												
	07/14/21													
GW-12D [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	--

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/21/96	66.98	0.00	24.34	--	--	--	--	--	--	--	--	--	--
GW-12D	05/21/96	65.17	0.00	26.15	--	--	--	--	--	--	--	--	--	--
Contd.	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.									
	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	Well not monitored or sampled this quarter												
	07/14/21	Well not monitored or sampled this quarter												
GW-13S	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
	07/31/20	32.90	0.00	380.23	744	--	--	**8.5**	3.4	40.0	28.0	--	<2.0	2.2J
	03/09/21	27.35	0.00	385.78	**2,410**	--	--	3.78	1.86	30.3	107.0	--	<2.0	<2.0
	07/14/21	32.42	0.00	380.71	**5,810**	--	--	**10.4**	5.90	90.1	220	--	3.8J	<2.6

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW-13D	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	76.90	0.00	336.04	<42.8	--	--	<0.0941	<0.278	<0.137	<0.174	--	7.4J	<2.0
	07/14/21	76.00	0.00	336.94	<31.6	--	--	<0.0941	<0.278	0.162J	0.401J	--	<2.6	<2.6
GW-14S	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
	12/12/19	45.00	0.00	370.30	**114,000**	--	--	**693**	**3,900**	**2,430**	**11,400**	--	2.5J	2.2J
	03/12/20	38.18	0.00	375.60	**35,800**	--	--	4.5J	**1,030**	499	**2,360**	--	3.2J	<2.0
	07/31/20	37.35	0.00	376.43	**357,000**	--	--	**8.3J**	814	**1,030**	**3,960**		8.8J	<2.0
	03/09/21	36.00	0.00	377.78	**23,200**	--	--	**10.6**	107	75.4	334	--	<2.0	<2.0
	07/14/21	40.09	0.00	373.69	**50,900**	--	--	**48.7J**	**4,350**	**1,740**	**9,000**	--	3.3J	2.9J
GW-14D	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									
	07/31/20	73.60	0.00	340.12	908	--	--	**509**	0.38J	1.6	<0.29	--	2.6J	2.5J
	03/09/21	73.20	0.00	340.52	337	--	--	**665**	<5.56	7.86J	<3.48	--	<2.0	<2.0
	07/15/21	76.71	0.00	337.01	**1,720**	--	--	**636**	<5.56	4.86J	5.72J	--	<2.6	<2.6
GW-15S	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
	07/31/20	33.00	0.00	381.06	392	--	--	2.5	2.7	17.7	30.4	--	<2.0	<2.0
	03/09/21	27.14	0.00	386.92	<42.8	--	--	0.141J	<0.278	<0.137	<0.174	--	<2.0	<2.0
	07/14/21	33.43	0.00	380.63	**1,390**	--	--	2.47	5.96	37.1	124	--	2.7J	<2.6
GW-15D	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	49.70	0.00	364.31	<42.8	--	--	<0.0941	<0.278	<0.137	<0.174	--	<2.0	<2.0
	07/14/21	51.03	0.00	362.98	<31.6	--	--	<0.0941	<0.278	0.206J	0.621J	--	<2.6	<2.6
GW-16S	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	Well not monitored or sampled this quarter												
	07/14/21	Well not monitored or sampled this quarter												
GW-16D	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
	03/09/21	Well not monitored or sampled this quarter												
	07/14/21	Well not monitored or sampled this quarter												
GW-17S	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
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	Well not monitored or sampled this quarter												
	07/14/21	Well not monitored or sampled this quarter												
GW-17D	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
	03/09/21	Well not monitored or sampled this quarter												
	07/14/21	Well not monitored or sampled this quarter												
GW-18S	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									
	07/31/20	Well not monitored or sampled this quarter												
	03/09/21	48.60	0.00	365.71	Insufficient Water to Sample									
	07/14/21	48.34	0.00	365.97	Insufficient Water to Sample									
GW-18D	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									
	07/31/20	77.60	0.00	336.58	Insufficient Water to Sample									
	03/09/21	78.05	0.00	336.13	Insufficient Water to Sample									
	07/14/21	77.04	0.00	337.14	<36.1	--	--	4.54	<0.278	0.589J	0.321J	--	2.7J	<2.6

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***	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**

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 GW-7D through GW-12D: 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

NA = 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. Atlas 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
Minneapolis, MN 55414
(612)607-1700

July 27, 2021

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

RE: Project: P66 Burien
Pace Project No.: 10570280

Dear Elisabeth Silver:

Enclosed are the analytical results for sample(s) received by the laboratory on July 16, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

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

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

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

CERTIFICATIONS

Project: P66 Burien
Pace Project No.: 10570280

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
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
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
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 #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 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 (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
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
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: P66 Burien
Pace Project No.: 10570280

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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

SAMPLE SUMMARY

Project: P66 Burien
Pace Project No.: 10570280

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10570280001	**GW-10D**	Water	07/15/21 10:00	07/16/21 08:50
10570280002	**GW-13S**	Water	07/14/21 10:12	07/16/21 08:50
10570280003	**GW-13D**	Water	07/14/21 09:25	07/16/21 08:50
10570280004	**GW-14S**	Water	07/14/21 15:05	07/16/21 08:50
10570280005	**GW-14D**	Water	07/15/21 11:05	07/16/21 08:50
10570280006	**GW-15S**	Water	07/14/21 12:00	07/16/21 08:50
10570280007	**GW-15D**	Water	07/14/21 11:15	07/16/21 08:50
10570280008	**GW-18D**	Water	07/14/21 13:35	07/16/21 08:50
10570280009	**Trip Blank**	Water	07/14/21 00:00	07/16/21 08:50

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

SAMPLE ANALYTE COUNT

Project: P66 Burien
Pace Project No.: 10570280

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10570280001	**GW-10D**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280002	**GW-13S**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280003	**GW-13D**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280004	**GW-14S**	NWTPH-Gx	JAH	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280005	**GW-14D**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280006	**GW-15S**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280007	**GW-15D**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280008	**GW-18D**	NWTPH-Gx	DWR	2	PAN
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	BMB	7	PAN
10570280009	**Trip Blank**	NWTPH-Gx	DWR	2	PAN
		EPA 8260D	BMB	7	PAN

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-10D **Lab ID: 10570280001** Collected: 07/15/21 10:00 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**<31.6**	ug/L	100	31.6	1	07/21/21 18:03	07/21/21 18:03		
Surrogates									
a,a,a-Trifluorotoluene (FID)	104	%	78.0-120		1	07/21/21 18:03	07/21/21 18:03	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.6**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 21:52	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:39	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**<0.0941**	ug/L	1.00	0.0941	1	07/21/21 20:11	07/21/21 20:11	71-43-2	
Toluene	**0.477J**	ug/L	1.00	0.278	1	07/21/21 20:11	07/21/21 20:11	108-88-3	J
Ethylbenzene	**1.67**	ug/L	1.00	0.137	1	07/21/21 20:11	07/21/21 20:11	100-41-4	
Xylene (Total)	**10.7**	ug/L	3.00	0.174	1	07/21/21 20:11	07/21/21 20:11	1330-20-7	
Surrogates									
Toluene-d8 (S)	99.2	%	80.0-120		1	07/21/21 20:11	07/21/21 20:11	2037-26-5	
4-Bromofluorobenzene (S)	92.1	%	77.0-126		1	07/21/21 20:11	07/21/21 20:11	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70.0-130		1	07/21/21 20:11	07/21/21 20:11	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-13S **Lab ID: 10570280002** Collected: 07/14/21 10:12 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**5810**	ug/L	100	31.6	1	07/21/21 18:27	07/21/21 18:27		
Surrogates									
a,a,a-Trifluorotoluene (FID)	96.3	%	78.0-120		1	07/21/21 18:27	07/21/21 18:27	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**3.8J**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:04	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:48	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**10.4**	ug/L	1.00	0.0941	1	07/21/21 20:30	07/21/21 20:30	71-43-2	
Toluene	**5.90**	ug/L	1.00	0.278	1	07/21/21 20:30	07/21/21 20:30	108-88-3	
Ethylbenzene	**90.1**	ug/L	1.00	0.137	1	07/21/21 20:30	07/21/21 20:30	100-41-4	
Xylene (Total)	**220**	ug/L	3.00	0.174	1	07/21/21 20:30	07/21/21 20:30	1330-20-7	
Surrogates									
Toluene-d8 (S)	95.9	%	80.0-120		1	07/21/21 20:30	07/21/21 20:30	2037-26-5	
4-Bromofluorobenzene (S)	88.7	%	77.0-126		1	07/21/21 20:30	07/21/21 20:30	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70.0-130		1	07/21/21 20:30	07/21/21 20:30	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-13D **Lab ID: 10570280003** Collected: 07/14/21 09:25 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**<31.6**	ug/L	100	31.6	1	07/21/21 18:50	07/21/21 18:50		
Surrogates									
a,a,a-Trifluorotoluene (FID)	105	%	78.0-120		1	07/21/21 18:50	07/21/21 18:50	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.6**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:06	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:49	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**<0.0941**	ug/L	1.00	0.0941	1	07/21/21 20:49	07/21/21 20:49	71-43-2	
Toluene	**<0.278**	ug/L	1.00	0.278	1	07/21/21 20:49	07/21/21 20:49	108-88-3	
Ethylbenzene	**0.162J**	ug/L	1.00	0.137	1	07/21/21 20:49	07/21/21 20:49	100-41-4	J
Xylene (Total)	**0.401J**	ug/L	3.00	0.174	1	07/21/21 20:49	07/21/21 20:49	1330-20-7	J
Surrogates									
Toluene-d8 (S)	99.6	%	80.0-120		1	07/21/21 20:49	07/21/21 20:49	2037-26-5	
4-Bromofluorobenzene (S)	94.7	%	77.0-126		1	07/21/21 20:49	07/21/21 20:49	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70.0-130		1	07/21/21 20:49	07/21/21 20:49	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-14S **Lab ID: 10570280004** Collected: 07/14/21 15:05 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**50900**	ug/L	1000	316	10	07/27/21 10:13	07/27/21 10:13		
Surrogates									
a,a,a-Trifluorotoluene (FID)	98.4	%	78.0-120		10	07/27/21 10:13	07/27/21 10:13	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**3.3J**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:07	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**2.9J**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:51	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**48.7J**	ug/L	50.0	4.71	50	07/22/21 00:18	07/22/21 00:18	71-43-2	J
Toluene	**4350**	ug/L	50.0	13.9	50	07/22/21 00:18	07/22/21 00:18	108-88-3	
Ethylbenzene	**1740**	ug/L	50.0	6.85	50	07/22/21 00:18	07/22/21 00:18	100-41-4	
Xylene (Total)	**9000**	ug/L	150	8.70	50	07/22/21 00:18	07/22/21 00:18	1330-20-7	
Surrogates									
Toluene-d8 (S)	97.6	%	80.0-120		50	07/22/21 00:18	07/22/21 00:18	2037-26-5	
4-Bromofluorobenzene (S)	90.9	%	77.0-126		50	07/22/21 00:18	07/22/21 00:18	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70.0-130		50	07/22/21 00:18	07/22/21 00:18	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-14D **Lab ID: 10570280005** Collected: 07/15/21 11:05 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**1720**	ug/L	100	31.6	1	07/21/21 19:13	07/21/21 19:13		
Surrogates									
a,a,a-Trifluorotoluene (FID)	102	%	78.0-120		1	07/21/21 19:13	07/21/21 19:13	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.6**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:09	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:53	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**636**	ug/L	20.0	1.88	20	07/22/21 00:37	07/22/21 00:37	71-43-2	
Toluene	**<5.56**	ug/L	20.0	5.56	20	07/22/21 00:37	07/22/21 00:37	108-88-3	
Ethylbenzene	**4.86J**	ug/L	20.0	2.74	20	07/22/21 00:37	07/22/21 00:37	100-41-4	J
Xylene (Total)	**5.72J**	ug/L	60.0	3.48	20	07/22/21 00:37	07/22/21 00:37	1330-20-7	J
Surrogates									
Toluene-d8 (S)	99.7	%	80.0-120		20	07/22/21 00:37	07/22/21 00:37	2037-26-5	
4-Bromofluorobenzene (S)	93.2	%	77.0-126		20	07/22/21 00:37	07/22/21 00:37	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70.0-130		20	07/22/21 00:37	07/22/21 00:37	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-15S **Lab ID: 10570280006** Collected: 07/14/21 12:00 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**1390**	ug/L	100	31.6	1	07/21/21 20:10	07/21/21 20:10		
Surrogates									
a,a,a-Trifluorotoluene (FID)	103	%	78.0-120		1	07/21/21 20:10	07/21/21 20:10	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**2.7J**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:11	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:54	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**2.47**	ug/L	1.00	0.0941	1	07/21/21 21:08	07/21/21 21:08	71-43-2	
Toluene	**5.96**	ug/L	1.00	0.278	1	07/21/21 21:08	07/21/21 21:08	108-88-3	
Ethylbenzene	**37.1**	ug/L	1.00	0.137	1	07/21/21 21:08	07/21/21 21:08	100-41-4	
Xylene (Total)	**124**	ug/L	3.00	0.174	1	07/21/21 21:08	07/21/21 21:08	1330-20-7	
Surrogates									
Toluene-d8 (S)	96.1	%	80.0-120		1	07/21/21 21:08	07/21/21 21:08	2037-26-5	
4-Bromofluorobenzene (S)	88.9	%	77.0-126		1	07/21/21 21:08	07/21/21 21:08	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70.0-130		1	07/21/21 21:08	07/21/21 21:08	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-15D **Lab ID: 10570280007** Collected: 07/14/21 11:15 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**<31.6**	ug/L	100	31.6	1	07/21/21 20:33	07/21/21 20:33		
Surrogates									
a,a,a-Trifluorotoluene (FID)	103	%	78.0-120		1	07/21/21 20:33	07/21/21 20:33	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.6**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:12	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 12:59	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**<0.0941**	ug/L	1.00	0.0941	1	07/21/21 21:27	07/21/21 21:27	71-43-2	
Toluene	**<0.278**	ug/L	1.00	0.278	1	07/21/21 21:27	07/21/21 21:27	108-88-3	
Ethylbenzene	**0.206J**	ug/L	1.00	0.137	1	07/21/21 21:27	07/21/21 21:27	100-41-4	J
Xylene (Total)	**0.621J**	ug/L	3.00	0.174	1	07/21/21 21:27	07/21/21 21:27	1330-20-7	J
Surrogates									
Toluene-d8 (S)	97.6	%	80.0-120		1	07/21/21 21:27	07/21/21 21:27	2037-26-5	
4-Bromofluorobenzene (S)	91.0	%	77.0-126		1	07/21/21 21:27	07/21/21 21:27	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70.0-130		1	07/21/21 21:27	07/21/21 21:27	17060-07-0	

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: GW-18D **Lab ID: 10570280008** Collected: 07/14/21 13:35 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**<31.6**	ug/L	100	31.6	1	07/21/21 20:57	07/21/21 20:57		
Surrogates									
a,a,a-Trifluorotoluene (FID)	105	%	78.0-120		1	07/21/21 20:57	07/21/21 20:57	98-08-8FID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**2.7J**	ug/L	10.0	2.6	1	07/20/21 05:08	07/23/21 22:14	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.6**	ug/L	10.0	2.6	1	07/19/21 05:14	07/19/21 13:01	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**4.54**	ug/L	1.00	0.0941	1	07/21/21 21:46	07/21/21 21:46	71-43-2	
Toluene	**<0.278**	ug/L	1.00	0.278	1	07/21/21 21:46	07/21/21 21:46	108-88-3	
Ethylbenzene	**0.589J**	ug/L	1.00	0.137	1	07/21/21 21:46	07/21/21 21:46	100-41-4	J
Xylene (Total)	**0.321J**	ug/L	3.00	0.174	1	07/21/21 21:46	07/21/21 21:46	1330-20-7	J
Surrogates									
Toluene-d8 (S)	101	%	80.0-120		1	07/21/21 21:46	07/21/21 21:46	2037-26-5	
4-Bromofluorobenzene (S)	87.9	%	77.0-126		1	07/21/21 21:46	07/21/21 21:46	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70.0-130		1	07/21/21 21:46	07/21/21 21:46	17060-07-0	

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10570280

Sample: Trip Blank **Lab ID: 10570280009** Collected: 07/14/21 00:00 Received: 07/16/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet								
TPH (C06-C12)	**<31.6**	ug/L	100	31.6	1	07/21/21 17:40	07/21/21 17:40		
Surrogates									
a,a,a-Trifluorotoluene (FID)	106	%	78.0-120		1	07/21/21 17:40	07/21/21 17:40	98-08-8FID	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**<0.0941**	ug/L	1.00	0.0941	1	07/21/21 19:14	07/21/21 19:14	71-43-2	
Toluene	**0.692J**	ug/L	1.00	0.278	1	07/21/21 19:14	07/21/21 19:14	108-88-3	J
Ethylbenzene	**<0.137**	ug/L	1.00	0.137	1	07/21/21 19:14	07/21/21 19:14	100-41-4	
Xylene (Total)	**0.197J**	ug/L	3.00	0.174	1	07/21/21 19:14	07/21/21 19:14	1330-20-7	J
Surrogates									
Toluene-d8 (S)	99.9	%	80.0-120		1	07/21/21 19:14	07/21/21 19:14	2037-26-5	
4-Bromofluorobenzene (S)	92.0	%	77.0-126		1	07/21/21 19:14	07/21/21 19:14	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70.0-130		1	07/21/21 19:14	07/21/21 19:14	17060-07-0	

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10570280

QC Batch: 1709024
QC Batch Method: NWTPHGX
Analysis Method: NWTPH-Gx
Analysis Description: VOA (GC) NWTPHGX
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280005, 10570280006, 10570280007, 10570280008, 10570280009

METHOD BLANK: R3683742-2 Matrix: Water
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280005, 10570280006, 10570280007, 10570280008, 10570280009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH (C06-C12)	ug/L	<31.6	100	31.6	07/21/21 16:47	
a,a,a-Trifluorotoluene (FID)	%	105	78.0-120		07/21/21 16:47	

LABORATORY CONTROL SAMPLE: R3683742-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	ug/L	5500	6210	113	70.0-124	
a,a,a-Trifluorotoluene (FID)	%			104	78.0-120	

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
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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10570280

QC Batch: 1711682
QC Batch Method: NWTPHGX
Analysis Method: NWTPH-Gx
Analysis Description: VOA (GC) NWTPHGX
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 10570280004

METHOD BLANK: R3684319-2 Matrix: Water
Associated Lab Samples: 10570280004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH (C06-C12)	ug/L	<31.6	100	31.6	07/27/21 04:24	
a,a,a-Trifluorotoluene (FID)	%	103	78.0-120		07/27/21 04:24	

LABORATORY CONTROL SAMPLE: R3684319-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	ug/L	5500	6270	114	70.0-124	
a,a,a-Trifluorotoluene (FID)	%			97.8	78.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10570280

QC Batch: 756907
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280004, 10570280005, 10570280006, 10570280007, 10570280008

METHOD BLANK: 4036418 Matrix: Water
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280004, 10570280005, 10570280006, 10570280007, 10570280008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	<2.6	10.0	2.6	07/23/21 21:49	

LABORATORY CONTROL SAMPLE: 4036419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4036420 4036421

Parameter	Units	10570280001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	<2.6	1000	1000	990	986	99	98	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10570280

QC Batch: 756904
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D Water Dissolved
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280004, 10570280005, 10570280006, 10570280007, 10570280008

METHOD BLANK: 4036406 Matrix: Water
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280004, 10570280005, 10570280006, 10570280007, 10570280008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.6	10.0	2.6	07/19/21 12:27	

LABORATORY CONTROL SAMPLE: 4036407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	1080	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4036408 4036409

Parameter	Units	10570280001 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	<2.6	1000	1000	1040	1050	104	105	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10570280

QC Batch: 1709403
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280004, 10570280005, 10570280006, 10570280007, 10570280008, 10570280009

METHOD BLANK: R3684102-2 Matrix: Water
Associated Lab Samples: 10570280001, 10570280002, 10570280003, 10570280004, 10570280005, 10570280006, 10570280007, 10570280008, 10570280009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.0941	1.00	0.0941	07/21/21 18:36	
Ethylbenzene	ug/L	<0.137	1.00	0.137	07/21/21 18:36	
Toluene	ug/L	<0.278	1.00	0.278	07/21/21 18:36	
Xylene (Total)	ug/L	<0.174	3.00	0.174	07/21/21 18:36	
Toluene-d8 (S)	%	99.2	80.0-120		07/21/21 18:36	
4-Bromofluorobenzene (S)	%	88.9	77.0-126		07/21/21 18:36	
1,2-Dichloroethane-d4 (S)	%	115	70.0-130		07/21/21 18:36	

LABORATORY CONTROL SAMPLE: R3684102-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	5.00	4.77	95.4	70.0-123	
Ethylbenzene	ug/L	5.00	4.41	88.2	79.0-123	
Toluene	ug/L	5.00	4.66	93.2	79.0-120	
Xylene (Total)	ug/L	15.0	13.6	90.7	79.0-123	
Toluene-d8 (S)	%			97.0	80.0-120	
4-Bromofluorobenzene (S)	%			89.1	77.0-126	
1,2-Dichloroethane-d4 (S)	%			112	70.0-130	

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
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: P66 Burien
Pace Project No.: 10570280

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.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: P66 Burien
Pace Project No.: 10570280

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10570280001	**GW-10D**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280002	**GW-13S**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280003	**GW-13D**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280004	**GW-14S**	NWTPHGX	1711682	NWTPH-Gx	1711682
10570280005	**GW-14D**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280006	**GW-15S**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280007	**GW-15D**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280008	**GW-18D**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280009	**Trip Blank**	NWTPHGX	1709024	NWTPH-Gx	1709024
10570280001	**GW-10D**	EPA 3010A	756907	EPA 6010D	757424
10570280002	**GW-13S**	EPA 3010A	756907	EPA 6010D	757424
10570280003	**GW-13D**	EPA 3010A	756907	EPA 6010D	757424
10570280004	**GW-14S**	EPA 3010A	756907	EPA 6010D	757424
10570280005	**GW-14D**	EPA 3010A	756907	EPA 6010D	757424
10570280006	**GW-15S**	EPA 3010A	756907	EPA 6010D	757424
10570280007	**GW-15D**	EPA 3010A	756907	EPA 6010D	757424
10570280008	**GW-18D**	EPA 3010A	756907	EPA 6010D	757424
10570280001	**GW-10D**	EPA 3010A	756904	EPA 6010D	757108
10570280002	**GW-13S**	EPA 3010A	756904	EPA 6010D	757108
10570280003	**GW-13D**	EPA 3010A	756904	EPA 6010D	757108
10570280004	**GW-14S**	EPA 3010A	756904	EPA 6010D	757108
10570280005	**GW-14D**	EPA 3010A	756904	EPA 6010D	757108
10570280006	**GW-15S**	EPA 3010A	756904	EPA 6010D	757108
10570280007	**GW-15D**	EPA 3010A	756904	EPA 6010D	757108
10570280008	**GW-18D**	EPA 3010A	756904	EPA 6010D	757108
10570280001	**GW-10D**	8260D	1709403	EPA 8260D	1709403
10570280002	**GW-13S**	8260D	1709403	EPA 8260D	1709403
10570280003	**GW-13D**	8260D	1709403	EPA 8260D	1709403
10570280004	**GW-14S**	8260D	1709403	EPA 8260D	1709403
10570280005	**GW-14D**	8260D	1709403	EPA 8260D	1709403
10570280006	**GW-15S**	8260D	1709403	EPA 8260D	1709403
10570280007	**GW-15D**	8260D	1709403	EPA 8260D	1709403
10570280008	**GW-18D**	8260D	1709403	EPA 8260D	1709403
10570280009	**Trip Blank**	8260D	1709403	EPA 8260D	1709403

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	ATC Group Services LLC	Report To:	Elisabeth Silver	Attention:	Elisabeth Silver
Address:	6347 Seaview Ave NW	Copy To:		Company Name:	ATC Group Services LLC
	Seattle, WA 98107			Address:	6347 Seaview Ave NW, Seattle, WA 98107
Email:	elisabeth.silver@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	(206)781-1449 Fax:	Project Name:	P66 Burien	Pace Project Manager:	jennifer.gross@pacelabs.com,
Requested Due Date:	Standard 5-7	Project #:		Pace Profile #:	39765 / 2

Regulatory Agency

State / Location: WA

WO# : 10570280

10570280

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX by 8260	NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	Residual Chlorine	
1	GW-10D			7-15-21	1000				8			2	6						X	X	X	X		001
2	GW-13S			7-14-21	1012				8			2	6						X	X	X	X		002
3	GW-13D			7-14-21	0925				8			2	6						X	X	X	X		003
4	GW-14S			7-14-21	1505				8			2	6						X	X	X	X		004
5	GW-14D			7-15-21	1105				8			2	6						X	X	X	X		005
6	GW-15S			7-14-21	1200				8			2	6						X	X	X	X		006
7	GW-15D			7-14-21	1115				8			2	6						X	X	X	X		007
8	GW-18D			7-14-21	1335				8			2	6						X	X	X	X		008
9	Trip Blank																		X	X				009
10																								
11																								
12																								

SJT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J. Teresi/ATC/Atlas	7-15-21	1345	TJPACE	7-16	850	1.6	Y	Y	N
							1.3			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Annaleen Degefa

SIGNATURE of SAMPLER:

DATE Signed: 7-15-2021

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

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - MN	Document Revised: 14Apr2021 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0150 Rev.02	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt

Client Name: ATC Group Services LLC **Project #:**

WO#: 10570280

PM: JMG **Due Date: 07/23/21**

CLIENT: ATC_WA

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

Tracking Number: 1456 2248 3305 See Exceptions ☐ ENV-FRM-MIN4-0142

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) ☐ OS418-LS ☐ T4(0254) ☐ T5(0489) ☐ 160285052 **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 1.3 °C

Correction Factor: True **Cooler Temp Corrected w/temp blank:** 1.6 1.3 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

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

Date/Initials of Person Examining Contents: TJ 7/16/21

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?	☒ Yes	☐ No		8. Vials frozen on arival
-Pace Containers Used?	☒ Yes	☐ No		
Containers Intact?	☐ Yes	☒ No		9. One vial for GW-155 Broken on Arival
Field Filtered Volume Received for Dissolved Tests?	☒ Yes	☐ No	☐ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☒ Yes	☐ No		11. If no, write ID/ Date/Time on Container Below: See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other _____				
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	12. Sample # 1-8 2
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 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 ☐ ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 221419 | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☒ N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☒ No	☐ N/A	
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	14. Pace Trip Blank Lot # (if purchased): (E) 310561
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: JENNI GROSS **Date:** 7/16/21

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: TJ (3)

Internal Transfer Chain of Custody

D208

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: ☒ Yes ☐ No
Owner Received Date: 7/16/2021 Results Requested By: 7/27/2021

Workorder: 10570280 **Workorder Name:** P66 Burien

Report To	Subcontract To
Jennifer Gross Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

L1380432

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: VG9H						Requested Analysis: 8260D BTEX	NWTPH-Gx											LAB USE ONLY
1	GW-10D	PS	7/15/2021 10:00	10570280001	Water	6						X	X											-01
2	GW-13S	PS	7/14/2021 10:12	10570280002	Water	6						X	X											-02
3	GW-13D	PS	7/14/2021 09:25	10570280003	Water	6						X	X											-03
4	GW-14S	PS	7/14/2021 15:05	10570280004	Water	6						X	X											-04
5	GW-14D	PS	7/15/2021 11:05	10570280005	Water	6						X	X											-05
6	GW-15S	PS	7/14/2021 12:00	10570280006	Water	5						X	X											-06
7	GW-15D	PS	7/14/2021 11:15	10570280007	Water	6						X	X											-07
8	GW-18D	PS	7/14/2021 13:35	10570280008	Water	6						X	X											-08
9	Trip Blank	PS	7/14/2021 00:00	10570280009	Water	6						X	X											-09

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] Pace	7/19/21 1300	[signature]	7/20/21 9:20
2				
3				

Comments: OK

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

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

9371 9293 7269

2.6+0=2.6 KP AG

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y 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: 7-14-2021
Page 1 of 1

ATC Representative(s): JT, AD
Project: P66 Burien AOC 2063
Location: 12660 1st Ave. S, Seattle, WA

Contact Information: (206) 781-1449
Project No: Z076000070
Task No: —

Weather: Overcast
Temperature: ~65°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)
7-14-21								
GW-13D	2"	8:40	8:43	—	76.00	—	85.56	—
GW-13S	2"	0943	0945	—	32.42	—	50.38	—
GW-15D	2"	1041	1042	—	51.03	—	74.28	—
GW-15S	2"	1125	1128	—	33.43	—	45.84	—
GW-18D	2"	1256	1258	—	77.04	—	81.30	—
GW-18S	2"	1355	1357	—	48.34	—	50.29	DRY after purging — Not Sampled
GW-14S	2"	1430	1432	—	40.09	—	50.80	FP odor
7-15-21								
GW-10D	2"	0925	0927	—	78.40	—	95.30	—
GW-14D	2"	1028	1030	—	76.71	—	78.70	FP odor

Comments:

Notes:

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

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

Monitoring Well Purging and Sampling Log

FLD-103 | Revision 1.0 | Jul-08

ATC Branch: Seattle - 10282	Date: 7/15/21	Page 1 of 1
ATC Representative(s): AD / JT	Project: PL6 - Burien	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 70760000 70	Task No:
Well ID: GW-10D		
	Weather: Overcast	Temperature:

Purging & Sampling Instrumentation & Method

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

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

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 81.0

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): 95.30
Depth to Water (DTW)(feet): 78.40	Water Column (WC)(feet): 17.90
LNAPL Thickness (ft): —	Purging Start Time: 9:35

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
9:45	78.42	0.90	15.79	328	Clear	2.19	9.09	-7.8	—
9:48	78.42	1.10	16.09	329	»	2.07	9.07	-7.0	—
9:51	78.44	1.20	16.34	330	»	1.99	9.04	-6.6	—
9:54	78.44	1.40	16.48	331	»	1.94	9.04	-6.8	—

Sample Data

Sample ID: GW-10D	Time of Sample: 10:00	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): 180 ml/min
Recovery Type: X Fast ____ Slow	% Recovery = 100 %

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

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 7/14/21	Page 1 of 1
ATC Representative(s): AD / JT	Project: 766 - Burien	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 76000070	Task No:
Well ID: GW-13S	Weather: Overcast	Temperature: 75°

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: Geo-Sub

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 36'

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): 50.38
Depth to Water (DTW)(feet): 32.42	Water Column (WC)(feet): 17.96
LNAPL Thickness (ft): —	Purging Start Time: 9:50

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
10:00	34.58	0.8	15.76	404	clear	0.73	9.75	-47.9	—
10:03	34.59	0.90	15.91	397	»	0.65	9.78	-56.7	—
10:06	36.0	1.0	15.96	389	»	0.61	9.82	-62.6	—
10:09		1.10	16.01	383	»	0.59	9.82	-63.9	—

Sample Data

Sample ID: GW-13S	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): 630 ml/min.
Recovery Type: X Fast ____ Slow	% Recovery = 100%

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

Comments:

Monitoring Well Purging and Sampling Log

FLD-103 | Revision 1.0 | Jul-08

ATC Branch: Seattle - 10282	Date: 7-14-21	Page 1 of 1
ATC Representative(s): JT, AD	Project: P66 Burien AOC	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 70760000 70	Task No:
Well ID: GW-13D		
	Weather: overcast	Temperature: 75°

Purging & Sampling Instrumentation & Method

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

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

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 79'

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): 85.56
Depth to Water (DTW)(feet): 76.0'	Water Column (WC)(feet): 9.56
LNAPL Thickness (ft): —	Purging Start Time: 9:05

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
9:15	76.12	1.0	15.58	418	Cloudy	1.73	8.72	16.8	—
9:18	76.05	1.20	16.0	418	»	1.68	8.80	15.4	—
9:21	76.06	1.30	16.09	418	»	1.66	8.83	14.7	—
9:24	76.06	1.40	16.20	419	»	1.64	8.88	14.1	—

Sample Data

Sample ID: GW-13D	Time of Sample: 9:25	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): 0.06'	Approximate Flow Rate (GPM): 130 ml/min
Recovery Type: X Fast ____ Slow	% Recovery = 100%

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

Comments:

ATC

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 7/14/21	Page 1 of 1
ATC Representative(s): AD/JT	Project: P66-Burien
	Location: Burien, WA
Contact Information: (206) 781-1449	Project No: 707600070	Task No:
Well ID: GW-14S	Weather:	Temperature:

Purging & Sampling Instrumentation & Method

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

Purging Method: _____ PVC Bailer _____Vacuum Truck _____ Submersible Pump ____ Peristaltic Pump Other: Geo-sub

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

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

Casing Volume Information

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

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

Purging Calculations

Casing Volumes (CV):

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

Monitoring Measurements

Depth to LNAPL (feet): —	Total Well Depth (feet): 50.80
Depth to Water (DTW)(feet): 40.09	Water Column (WC)(feet): 10.71
LNAPL Thickness (ft): —	Purging Start Time: 1444

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
1451	40.90	0.90	20.76	519	Cloudy	0.40	9.41	-96.4	—
1454		1.0	20.89	520	Clear	0.38	9.32	-96.2	—
1457		1.10	20.75	526	"	0.36	9.27	-94.2	—
1500		1.20	20.83	526	"	0.35	9.23	-94.9	—

Sample Data

Sample ID: GW-14S	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 (DTWm)(feet):	Approximate Flow Rate (GPM): 130ml/min
Recovery Type: X Fast _____ Slow	% Recovery = 100%

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

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 7/15/21	Page 1 of 1
ATC Representative(s): AD / JT	Project: P66 - Burien	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 760000070	Task No:
Well ID: GW-14D	Weather: Overcast	Temperature: 70°

Purging & Sampling Instrumentation & Method

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

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

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 76.0

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

Casing Volume Information

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

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

Purging Calculations

Casing Volumes (CV):

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

Monitoring Measurements

Depth to LNAPL (feet): /	Total Well Depth (feet): 78.70
Depth to Water (DTW)(feet): 76.71	Water Column (WC)(feet): 1.99
LNAPL Thickness (ft): /	Purging Start Time: 1042

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
1052	76.80	0.90	16.50	548	Cloudy	0.78	9.70	-68.0	—
1055	76.80	1.0	16.55	548	Clear	0.67	9.73	-68.1	—
1058	76.80	1.10	17.01	548	»	0.58	9.82	-74.9	—
1101	76.80	1.20	17.14	549	»	0.56	9.84	-76.3	—

Sample Data

Sample ID: GW-14D	Time of Sample: 1105	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

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

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

Comments: Very Small Water Column -

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 7/14/21	Page 1 of 1
ATC Representative(s): AD / JT	Project: #66 - Burien	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: Z0760000070	Task No:
Well ID: GW-15S	Weather: Overcast	Temperature: 75°

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 Geo-Sub

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 36.0

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): 45.84
Depth to Water (DTW)(feet): 33.43	Water Column (WC)(feet): 12.41
LNAPL Thickness (ft): —	Purging Start Time: 11:35

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
1145	34.32	0.90	16.32	661	Clear	0.48	10.0	-77.6	—
1148	34.30	1.0	16.34	661	»	0.44	10.01	-78.6	—
1151	34.30	1.10	16.39	661	»	0.49	10.02	-79.5	—
1154		1.20	16.48	661	»	0.47	10.02	-83.3	—

Sample Data

Sample ID: GW-15S	Time of Sample: 1200	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): 140ml/min
Recovery Type: X Fast ____ Slow	% Recovery = 100%

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

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 7/14/21	Page 1 of 1
ATC Representative(s): AD/JT	Project: PG-Burien	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 20760070	Task No:
Well ID: GW-15D		
	Weather: Overcast	Temperature: 75°

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: Geo-Sub

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 54'

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): 74.28
Depth to Water (DTW)(feet): 51.03	Water Column (WC)(feet): 23.25
LNAPL Thickness (ft): —	Purging Start Time: 10:51

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
1101	53.12	0.90	15.86	353	0.83	Clear	9.87	-35.3	—
1104	53.14	1.0	16.36	354	0.78	»	9.73	-34.9	—
1107	53.15	1.10	16.33	354	0.75	»	9.59	-34.1	—
1110	53.15	1.20	16.34	353	0.73	»	9.64	-34.4	—

Sample Data

Sample ID: GW-15D	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): 130 ml/min
Recovery Type: X Fast ____ Slow	% Recovery = 100 %

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

Comments:

Monitoring Well Purging and Sampling Log

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Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 7/14/21	Page 1 of 1
ATC Representative(s): AD / JT	Project: P66 Burien	
	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 7076000070	Task No:
Well ID: MW-18S	Weather: Sun	Temperature: 80°

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: ~~MW-18S~~

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 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): 50.39
Depth to Water (DTW)(feet): 48.34	Water Column (WC)(feet): 2.05
LNAPL Thickness (ft): —	Purging Start Time: * 14:15

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
1425	DRY								

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: Well Run Dry - not sampled

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282
Date: 7/14/21
Page 1 of 1

ATC Representative(s): AO/SS
Project: P66 - Burien
Location: Burien, WA
Contact Information: (206) 781-1449
Project No: 3026000870
Task No:

Well ID: GW-18D
Weather: Overcast
Temperature: 75°

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: GeoSub
3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 80.0
Sampling Method: ____ Teflon Bailer ____ Disposable Bailer X Dedicated Tubing Other: ____

Casing Volume Information

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

Purging Calculations

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

Monitoring Measurements

Depth to LNAPL (feet): /
Total Well Depth (feet): 81.30
Depth to Water (DTW)(feet): 77.04
Water Column (WC)(feet): 4.26
LNAPL Thickness (ft): —
Purging Start Time: 1310

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
1320	77.30	0.90	17.16	751	Clear	0.66	10.89	-76.4	—
1323	77.25	1.10	17.73	747	»	0.58	10.76	-78.3	—
1326	77.25	1.10	17.93	750	»	0.56	10.64	-78.3	—
1329	77.25	1.20	1805	749	»	0.55	10.56	-78.5	—

Sample Data

Sample ID: GW-18D
Time of Sample: 1335
Container Types, Volumes, & Quantities:

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

Well Recovery Data

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

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

Comments:

47.55

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282	Date: 7-14-2021	Page 1 of 2
ATC Representative(s): JT, AD	Project: P66 Burien AOC 2063	
Role: Field Geologist	Location: 12660 1st Ave S., Seattle, WA	
Contact Information: (206) 781-1449	Project No: 20760000-70	Task No: --
Scope of Work:	Weather: Overcast	Temperature: ~65°F
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
0800	ATC onsite. Notify PM & station attendant.
0810	Conduct tailgate safety meeting, review JSAs,
	hospital & clinic directions, shared learning, & sign.
0820	Mob to GW-13D. Establish exclusion zone.
0905	Begin purging.
0925	Parameters stabilized. Sample GW-13D collected.
0935	Mob to GW-13S.
0950	Begin purging well after gauging.
1012	GW-13S sampled after parameters stabilized.
1030	Load equipment and mob to GW-15D. Setup exclusion.
1051	Begin purging.
1115	Parameter stabilized. Collect sample GW-15D.
1122	Mob to GW-15S.
1135	Begin purging.
1200	Parameters stable. Collect GW-15S.
1215	Dump decon/purge water into onsite 16-gal. drum.
1220	Take lunch break
1250	Resume work. Mob to GW-18D. Establish exclusion zone.
1310	Begin purging
1335	GW-18D sampled. Parameters stable
1350	Shift to GW-18S.

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: 7-14-2021	Page 2 of 2
ATC Representative(s): JT, AD	Project: P66 Burien AOC 2063	
Role: Field Geologist	Location: Seattle, WA	
Contact Information: (206) 781-1449	Project No: 207600070	Task No: --
Scope of Work: X Monitoring ___ Assessment ___ Remediation ___ Closure	Weather: Mostly cloudy	Temperature: ~68°F
	Contractor: N/A	

Time:	Comments:
1420	GW-185 went dry after purging for ~5 mins.
	DTW: 48.34', DTB: 50.29', WC: 1.95'.
1425	Mob to GW-145.
~~1437~~ 1441	Begin purging.
1505	Parameters stabilized. GW sample collected (GW-145).
1515	Break down equipment and decon. Dump purge/
	decon water into 16-gallon drum
1530	Notify attendant & PM of end work.
1535	ATC offsite.

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: 7-15-2021	Page 1 of 1
ATC Representative(s): JT, AD	Project: P66 Burien AOC 2063	
Role: Field Geologist	Location: 12660 1st. Ave S., Seattle, WA	
Contact Information: (206) 781-1449	Project No: 307600070	Task No: --
Scope of Work:	Weather: overcast	Temperature: ~65°F
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: NA	

Time:	Comments:
0900	ATC onsite. Notify station attendant & PM.
	Health and safety tailgate meeting, review HASP, JSAs,
	hospital directions, first aid kit location, etc. Sign.
0915	Mob to GW-10D and establish exclusion zone.
0935	Begin purging after gauging the well.
1000	Parameters stabilized — collect GW-10D.
1009	Load equipment into van and drive to GW-14D.
	JT drove work vehicle while AD acted as spotter.
1042	Purge start at GW-14D.
1105	Parameters stabilized. GW-14D collected.
1115	Break down equipment and exclusion zone. Dump
	purge/decon water in onsite drum. Decon equipment.
1130	Notify attendant & PM of end work.
1135	ATC offsite.
	JT

Equipment Used:

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

Drum Inventory Log

FLD-108
Revision 0.0
Jul-08

ATC Branch: Seattle, WA 76	Date: 7-14-2021	Page 1 of 1
ATC Representative(s): JT, AD	Project: P66 Burien AOC 2063	
Contact Information: **206-781-1449**	Location: 12660 1st Ave. S, Seattle, WA	
Scope of Work: X Monitoring ___ Assessment ___ Remediation ___ Closure	Project No: 207600070	Task No:
	Contractor: N/A	

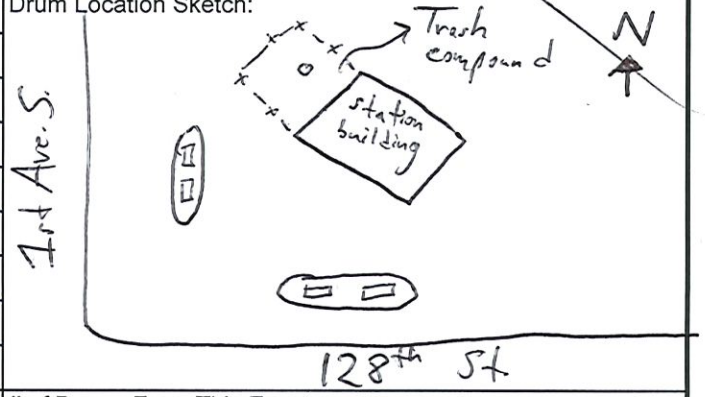
Drum ID	Source ID(s)	Type of Material (Soil / Sludge / Water)	Quantity of Material in Drum	Date Waste Generated
Black 16-gal drum	purge/decon	water	~14 gallons	7-14-21 and 7-15-21
		JT		

Comments:

Drum located in trash compound adjacent to station building. Station personnel have key to padlock.

Photographs (Y/N)

Drum Location Sketch:



Date Drum Pickup Scheduled: TBD

Verified Pick up: TBD

# of Drums From This Event: 1

Total # of Drums at Site: 1

APPENDIX C

NON-HAZARDOUS WASTE DOCUMENTATION

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
WAVSQG	1	888-785-7225	312158 / ID 379969

5. Generator's Name and Mailing Address

Phillips 66 No. 2701476 c/o ATC Group
6347 Seaview Ave NW
Seattle, WA 98107
Generator's Phone: 206-491-9754

Generator's Site Address (if different than mailing address)

Phillips 66 No. 2701476
12660 First Ave South
Seattle, WA 98168

6. Transporter 1 Company Name — **U.S. EPA ID Number**

Advanced Chemical Transport Inc./DBA ACTenviro — CAR000070540

7. Transporter 2 Company Name — **U.S. EPA ID Number**

Clean Earth Specialty Waste Solutions — MSN 000110924

8. Designated Facility Name and Site Address — **U.S. EPA ID Number**

Burlington Environmental, LLC
1701 E Alexander Ave
Tacoma, WA 98421
Facility's Phone: 253-627-7568

WAD020257945

GENERATOR

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA/Non-DOT Regulated Material Liquid (GROUNDWATER) UST Exemption, would otherwise be D018	1	DM	90	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Project Number 312158 Document #: D379969

1) 1730881-00 PHB- 1X 15

5858

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Elisabeth Silver — Signature: Elisabeth Silver — Month 9 Day 17 Year 21

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: Max Graham — Signature — Month 9 Day 15 Year 21

Transporter 2 Printed/Typed Name: Ashley Ahle — Signature — Month 9 Day 17 Year 21

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: LAURA A STRICKLAND — Signature — Month 9 Day 19 Year 21