GROUNDWATER MONITORING REPORT
(1st 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:
Mr. Mike Warfel
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

Submitted on behalf of:
Eli Gurian
Phillips 66 Company
Remediation Management
3900 Kilroy Airport Way
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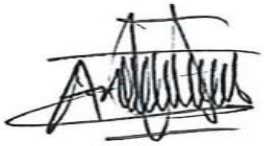
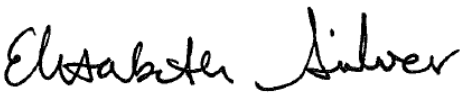
Submitted by:
ATC Group Services LLC
6347 Seaview Avenue Northwest
Seattle, Washington 98107

ATC Project No. Z076000070
July 15, 2021



Aynalem Degefa
Staff Geologist



Elisabeth Silver, L.G.
Senior Project Manager

SITE INFORMATION:

ATC Contact Person:	Elisabeth Silver, L.G.
Date of previous sampling event:	07/31/2020
Current remediation technique(s):	None. Above ground Vapor and Groundwater Extraction/Air Sparge System Components Decommissioned in September 2016.
Ecology VCP Number:	NW2718

FIELD ACTIVITY 03/09– 03/10/21:

Date(s) monitored and/or sampled:	03/09-03/10 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:	Seven: GW-10D, GW-13S, GW-13D, GW-14S, GW-14D, GW-15S and GW-15D.
Purging method:	Wells were purged prior to sampling by low flow pumping via a submersible pump and dedicated tubing.
Sampling method:	Samples were collected using low flow pumping via a submersible pump and dedicated polyethylene tubing.

SITE HYDROGEOLOGY 03/09– 03/10/21:

Minimum depth to groundwater (feet below top of casing [TOC]):	27.14 (GW-15S, upper water bearing zone).
Maximum depth to groundwater (feet below TOC):	79.25 (GW-10D, lower water bearing zone).
Average groundwater elevation (feet):	379.05 (Upper water bearing zone - GW-13S, GW-14S, GW-15S, GW-18S) and 342.61 (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):	-0.19 (upper water bearing zone); +4.26 (lower water bearing zone)
Approximate groundwater gradient/flow direction:	0.30 ft./ft. west/southwest (upper water bearing zone); 0.79 ft./ft. south/southwest, (lower water bearing zone)
Previous groundwater gradient/flow direction (03/11/20-03/12/20):	0.25 ft./ft. west/southwest (upper water bearing zone); 0.81 ft./ft. south/southwest (lower water bearing zone)

GROUNDWATER CONDITIONS 3/09 – 03/10/21:

Minimum dissolved phase gasoline-range hydrocarbon concentration excluding "non-detects" (micrograms per liter [µg/L]):	45.7J (GW-10D – lower water bearing zone)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L):	23,200 (GW-14S – upper water bearing zone)
Maximum dissolved phase gasoline-range hydrocarbon concentration (µg/L) observed previous sampling event (March, 2020):	357,000 (GW-14S – upper water bearing zone)
Minimum dissolved phase benzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	0.0773J (GW-10D – lower water bearing zone)
Maximum dissolved phase benzene concentration (µg/L):	665 (GW-14D – lower water bearing zone)
Maximum dissolved phase benzene concentration (µg/L) observed previous sampling event (March, 2020):	509 (GW-14D – lower water bearing zone)
Minimum dissolved phase toluene concentration excluding "non-detects" (micrograms per liter [µg/L]):	1.86 (GW-13S upper water bearing zones)
Maximum dissolved phase toluene concentration (µg/L):	107 (GW-14S – upper water bearing zone)
Maximum dissolved phase toluene concentration (µg/L) observed previous sampling event (March, 2020):	814 (GW-14S – upper water bearing zone)
Minimum dissolved phase ethylbenzene concentration excluding "non-detects" (micrograms per liter [µg/L]):	0.157J (GW-10D – lower water bearing zone)
Maximum dissolved phase ethylbenzene concentration (µg/L):	75.4 (GW-14S – upper water bearing zone)

Maximum dissolved phase ethylbenzene concentration (µg/L) observed previous sampling event (March, 2020):	1,030 (GW-14S – upper water bearing zone)
Minimum dissolved phase total xylenes concentration excluding "non-detects" (µg/L):	0.238J (GW-10D – lower water bearing zone)
Maximum dissolved phase total xylenes concentration (µg/L):	334 (GW-14S – upper water bearing zone)
Maximum dissolved phase total xylenes concentration (µg/L) observed previous sampling event (March, 2020):	3,960 (GW-14S – upper water bearing zone)
Minimum total lead concentration excluding "non-detects" (µg/L):	all wells are 'non detect'
Maximum total lead concentration (µg/L):	7.4J (GW-13D – lower water bearing zone)
Maximum total lead concentration (µg/L) observed previous sampling event (March, 2020):	8.8J (GW-14S – upper water bearing zone)
Minimum dissolved lead concentration excluding "non-detects" (µg/L):	all wells are 'non detect'
Maximum dissolved lead concentration (µg/L):	all wells are 'non detect'
Maximum dissolved lead concentration (µg/L) observed previous sampling event (March, 2020):	2.5J (GW-14D – lower water bearing zone)

ADDITIONAL INFORMATION AND COMMENTS:

During the March 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. GW-18S and GW-18D did not have sufficient water to sample. Seven of the wells including GW-10D, GW-13S, GW-13D, GW-14S, GW-14D, GW-15S and GW-15D were sampled and analyzed during the 1st Quarter 2021 sampling event.

Shallow Water Bearing Zone: During the March 2021 event, gasoline-range hydrocarbons were detected above the MTCA Method A Cleanup Level (CUL) in GW-14S and GW-13S, with concentrations of 23,200 µg/L 2,410 µg/L, respectively. Gasoline-range hydrocarbons were not detected in any of the other shallow water-bearing zone wells. Benzene was detected above the MTCA Method A CUL in GW-14S at a concentration of 10.6 µg/L. Benzene was detected below the MTCA Method A CUL in wells GW-13S and GW-15S. Toluene, ethylbenzene, and total xylenes were detected below the MTCA Method A CULs in wells GW-13S and GW-14S. Toluene, ethylbenzene, and total xylenes were not detected in any of the other wells in the shallow water-bearing zone. Total Lead and dissolved lead were not detected in any of the wells in the shallow water bearing zone.

Deep Water Bearing Zone: Analytical results indicate that gasoline range hydrocarbons were detected below the MTCA Method A CUL in GW-10D and GW-14D. 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 665 µg/L in GW-14D. Benzene was detected below the MTCA Method A CUL in GW-10D. Toluene was not detected above the MTCA Method A CUL in any of the other deep water-bearing zone wells. Ethylbenzene was detected below the MTCA Method A CUL in GW-10D and GW-14D. Ethylbenzene was not detected in wells GW-13D and GW-15D. Total xylenes were detected below the MTCA Method A CUL in GW-10D in GW-10D. Total xylenes were not detected in any of the other wells in the deep water-bearing zone.

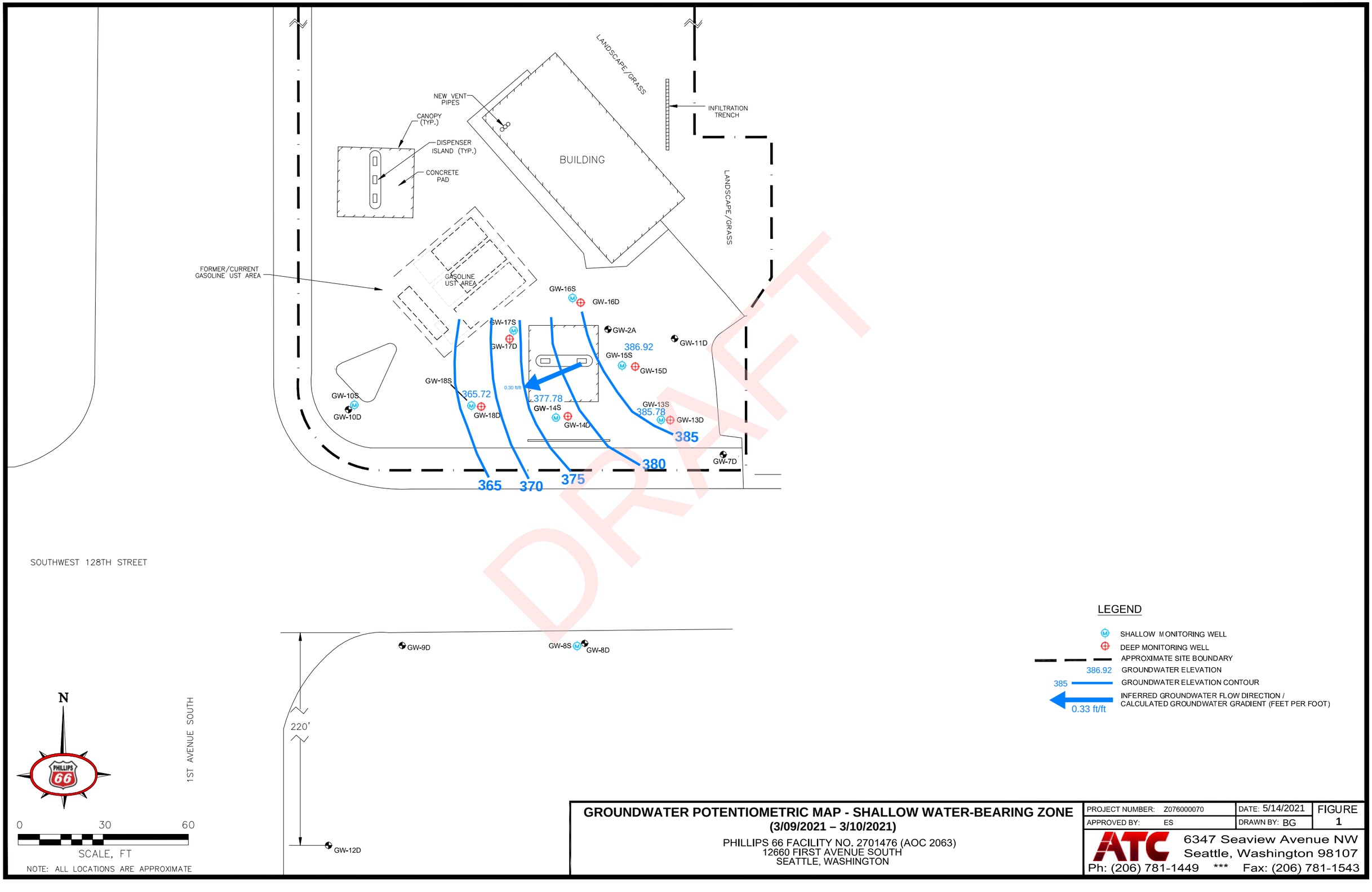
Conclusions/Recommendations

The first 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 3/09 – 03/10/21
Figure 2 Groundwater Potentiometric Map – Deep Water Bearing Zone 3/09 – 03/10/21
Figure 3 Analytical Results Map 3/09 – 03/10/21
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



GROUNDWATER POTENTIOMETRIC MAP - SHALLOW WATER-BEARING ZONE
(3/09/2021 – 3/10/2021)

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

PROJECT NUMBER: Z076000070		DATE: 5/14/2021	FIGURE 1
APPROVED BY: ES		DRAWN BY: BG	

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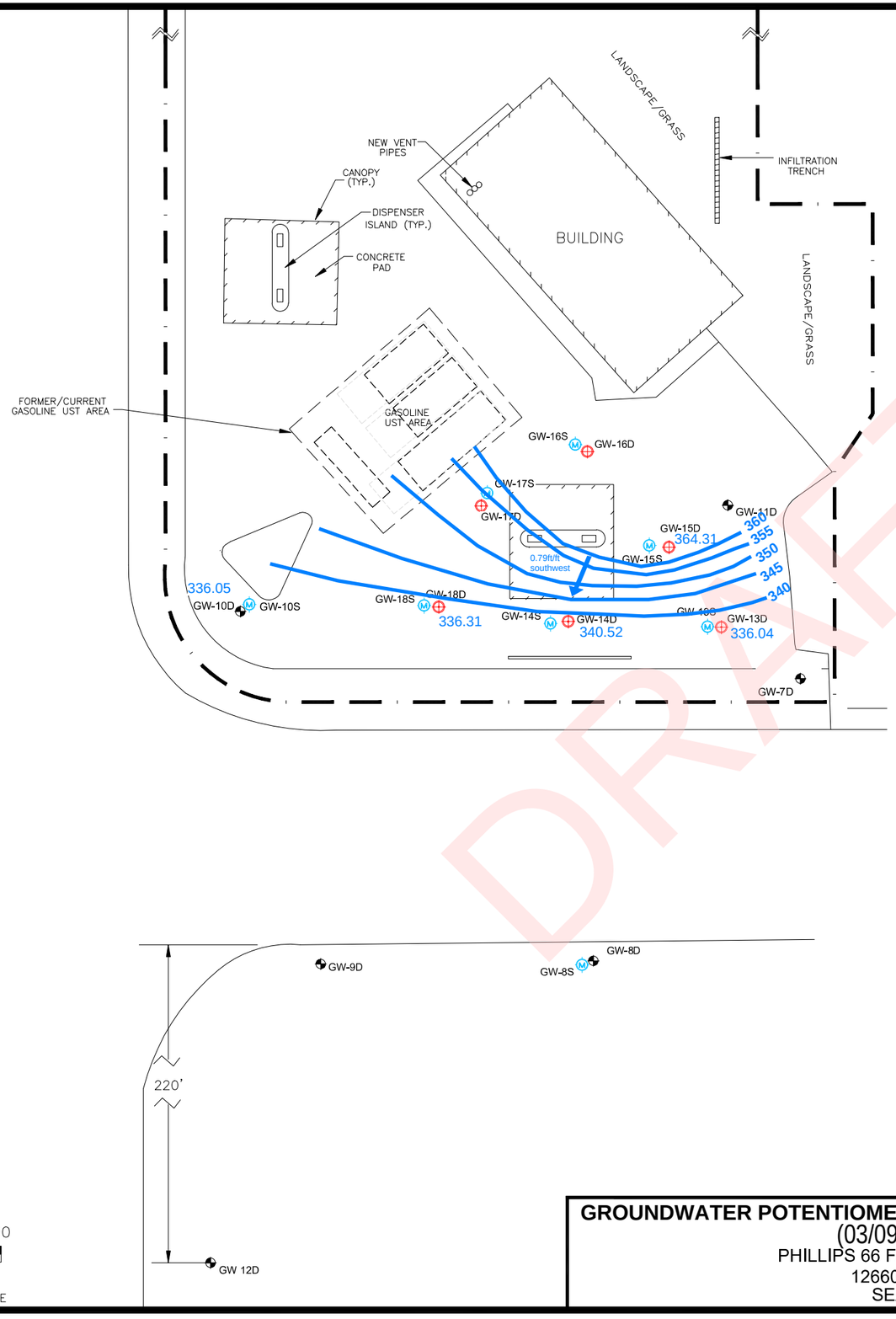

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- 364.31 GROUNDWATER ELEVATION
- 360 GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION
- 0.88ft/ft CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT)

GROUNDWATER POTENTIOMETRIC MAP - DEEP WATER BEARING ZONE
(03/09/2021 – 03/10/2021)

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

PROJECT NUMBER: Z076000070	DATE: 5/14/2021	FIGURE
APPROVED BY: ES	DRAWN BY: AD	2

ATC
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Seattle, Washington 98107
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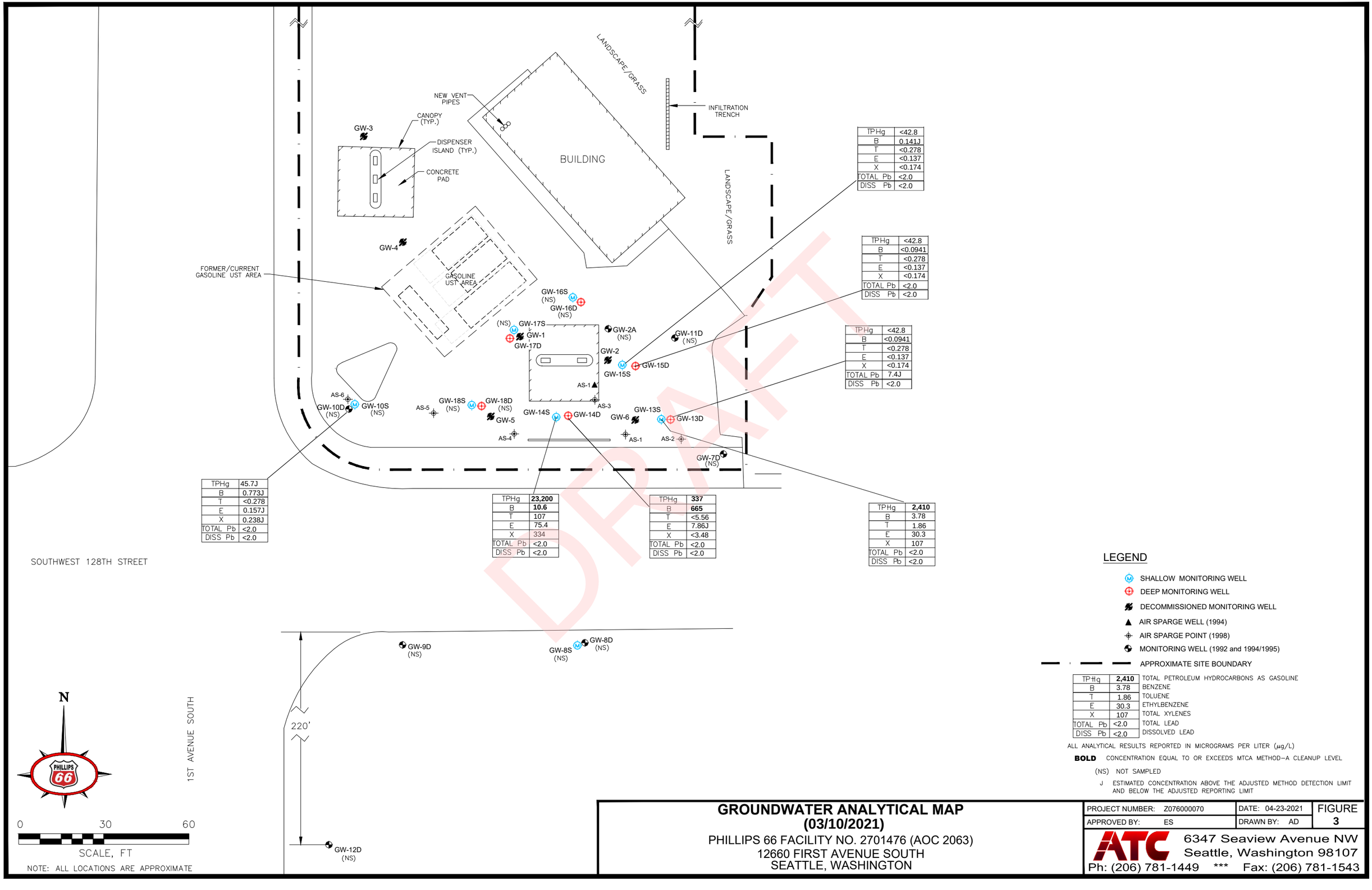

TPHg	45.7J
B	0.773J
T	<0.278
E	0.157J
X	0.238J
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	**23,200**
B	**10.6**
T	107
E	75.4
X	334
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	**337**
B	**665**
T	<5.56
E	7.86J
X	<3.48
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	**2,410**
B	3.78
T	1.86
E	30.3
X	107
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<42.8
B	0.141J
T	<0.278
E	<0.137
X	<0.174
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<42.8
B	<0.0941
T	<0.278
E	<0.137
X	<0.174
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<42.8
B	<0.0941
T	<0.278
E	<0.137
X	<0.174
TOTAL Pb	7.4J
DISS Pb	<2.0

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	**2,410**	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	3.78	BENZENE
T	1.86	TOLUENE
E	30.3	ETHYLBENZENE
X	107	TOTAL XYLENES
TOTAL Pb	<2.0	TOTAL LEAD
DISS Pb	<2.0	DISSOLVED LEAD

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

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

(NS) NOT SAMPLED

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

GROUNDWATER ANALYTICAL MAP (03/10/2021)

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

PROJECT NUMBER: Z076000070		DATE: 04-23-2021	FIGURE 3
APPROVED BY: ES		DRAWN BY: AD	

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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	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
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	--	--	--	--	--	--	--	--	--	--

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
99.32	05/08/92	36.53	0.00	62.79	--	--	--	--	--	--	--	--	--	--
	03/10/94	48.43	**4.15**	54.00	LPH Present	--	--							--
	05/02/94	--	**0.20**	--	LPH Present	--	--	--	--	--	--	--	--	--
	11/11/94	44.37	**0.07**	55.00	LPH Present	--	--	--	--	--	--	--	--	--
	02/17/95	44.92	**0.03**	54.42	LPH Present	--	--	--	--	--	--	--	--	--
	05/16/95	36.19	**0.17**	63.26	**150,000**	--	--	**21,000**	**26,000**	**2,200**	**14,000**	--	9	--
	08/09/95	39.16	**0.31**	60.39	LPH Present	--	--	--	--	--	--	--	--	--
	11/06/95	42.42	**0.11**	56.98	LPH Present	--	--	--	--	--	--	--	--	--
	02/13/96	36.62	**0.12**	62.79	LPH Present	--	--	--	--	--	--	--	--	--
	02/21/96	36.68	**0.13**	62.74	LPH Present	--	--	--	--	--	--	--	--	--
GW-2 Cont.	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 - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/13/98	Inaccessible - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - I	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 - I	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 - I	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	--	--	--	--	--	--	--	--	--	--

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

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	05/16/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/18/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
GW-2A	11/22/05	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
Cont.	03/01/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	05/30/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/28/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	11/14/06	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	02/21/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	05/22/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/20/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	11/19/07	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	02/19/08	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
414.5	05/19/08	NM	0.00	NE	--	--	--	--	--	--	--	--	--	--
	08/18/08	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/18/08	NM	Stinger lodged in well, unable to gauge or sample.											
	02/04/09	NM	Stinger lodged in well, unable to gauge or sample.											
	05/04/09	NM	Stinger lodged in well, unable to gauge or sample.											
	08/03/09	NM	Stinger lodged in well, unable to gauge or sample.											
	11/03/09	NM	Stinger lodged in well, unable to gauge or sample.											
	02/08/10	NM	Stinger lodged in well, unable to gauge or sample.											
	05/03/10	NM	Stinger lodged in well, unable to gauge or sample.											
	09/07/10	NM	Stinger lodged in well, unable to gauge or sample.											
	12/01/10	NM	Stinger lodged in well, unable to gauge or sample.											
	02/10/11	NM	Stinger lodged in well, unable to gauge or sample.											
	05/18/11	NM	Stinger lodged in well, unable to gauge or sample.											
	09/02/11	NM	Stinger lodged in well, unable to gauge or sample.											
	12/07/11	NM	Stinger lodged in well, unable to gauge or sample.											
	08/01/12	NM	Stinger lodged in well, unable to gauge or sample.											
	03/22/13	NM	Stinger lodged in well, unable to gauge or sample.											
	09/20/13	NM	Stinger lodged in well, unable to gauge or sample.											
	12/19/14	NM	Stinger lodged in well, unable to gauge or sample.											
	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**	--
	02/12/98[NP]	76.72	0.00	26.06	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	05/14/98[NP]	76.15	0.00	26.63	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98	76.35	0.00	26.43[b]	--	--	--	--	--	--	--	--	--	--
	11/13/98	77.88	0.00	24.90[b]	--	--	--	--	--	--	--	--	--	--
	02/10/99	78.98	0.00	23.80[b]	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	79.68	0.00	23.10[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	76.45	0.00	26.33[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	79.18	0.00	23.60	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	78.42	0.00	24.36	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	77.46	0.00	25.32	352	--	--	<0.500	<0.500	<0.500	36.4	--	--	--
	09/11/00[NP]	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	81.80	0.00	20.98	<50	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	82.30	0.00	20.48	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	81.10	0.00	21.68	94.9	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	11/20/02	80.72	0.00	22.06	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.52	<1.00
	05/21/03[NP]	81.15	0.00	21.63	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	81.59	0.00	21.19	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	81.35	0.00	21.43	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04[NP]	82.21	0.00	20.57	--	--	--	--	--	--	--	--	--	--
	02/08/05	82.54	0.00	20.24	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	82.75	0.00	20.03	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	82.56	0.00	20.22	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	82.51	0.00	20.27	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	82.40	0.00	20.38	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.8	<8.4	--
	05/30/06	81.72	0.00	21.06	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	81.10	0.00	21.68	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	81.50	0.00	21.28	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	02/21/07	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
GW-3 Cont.	08/03/09	81.65	0.00	336.09	--	--	--	--	--	--	--	--	--	--
	11/03/09	81.95	0.00	335.79	Well gauged only this quarter.									
	02/08/10	82.22	0.00	335.52	Well gauged only this quarter.									
	05/03/10	81.60	0.00	336.14	Well gauged only this quarter.									
	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	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
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Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
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	--	--	--	--	--	--	--	--	--	--	--
GW-4 Cont.	08/03/09	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/03/09	79.10	0.00	337.69	Well gauged only this quarter.									
	02/08/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/03/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/07/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/01/10	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/11	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/18/11	78.55	0.00	338.24	Well gauged only this quarter.									
	09/02/11	77.64	0.00	339.15	Well gauged only this quarter.									
	12/07/11	78.21	0.00	338.58	Well gauged only this quarter.									
	02/23/12	Dry	0.00	--	Well gauged only this quarter.									
	05/22/12	Dry	0.00	--	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	Dry	0.00	--	--	--	--	--	--	--	--	--	--	--
	04/29/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	07/23/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	10/15/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	09/27/16	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	09/19/17	76.10	0.00	340.69	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/11/18	77.37	0.00	339.42	Well gauged only this quarter.									
	Well Decommissioned in Octoer 2018													
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 - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - I	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	--	--	--	--	--	--	--	--	--	--

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	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.									
GW-5 Cont.	05/03/10	77.19	0.00	336.21	Well gauged only this quarter.									
	09/07/10	76.40	0.00	337.00	Well gauged only this quarter.									
	12/01/10	76.94	0.00	336.46	Well gauged only this quarter.									
	02/10/11	76.18	0.00	337.22	Well gauged only this quarter.									
	05/18/11	74.77	0.00	338.63	Well gauged only this quarter.									
	09/02/11	74.33	0.00	339.07	Well gauged only this quarter.									
	12/07/11	74.94	0.00	338.46	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	0.33	0.13
	02/23/12	75.78	0.00	337.62	Well gauged only this quarter.									
	05/22/12	75.44	0.00	337.96	Well gauged only this quarter.									
	08/01/12	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	76.60	0.00	336.80	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	4/29/2015**	74.44	0.00	338.96	249	--	--	**14.2**	<1.0	1.6	14.7	--	<10.0	<10.0
	07/23/15	75.06	0.00	338.34	182	--	--	3.9	<1.0	2.4	7.6	--	--	--
	10/15/15	76.34	0.00	337.06	<250	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	09/27/16	74.75	0.00	338.65	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	63.21	0.00	350.19	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	74.04	0.00	339.36	<19.6	--	--	0.60 J	<0.083	<0.14	<0.31	--	<2.0	<2.0
	Well Decommissioned in October 2018													
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 - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - I	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - I	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

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	12/01/10	35.78	0.00	377.48	522	--	--	**277** M1	4.3	39.2	43.9	<1.0	5.3	0.25
GW-6 Cont.	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	--
97.17	02/17/95	77.30	0.00	19.87	<50	--	--	0.7	<1	<1	<1	--	<2	--
	05/16/95	73.53	0.00	23.64	<50	--	--	1.5	<1	<1	<1	--	**19**	--
	08/09/95	75.50	0.00	21.67	<50	--	--	<4	<1	<1	<1	--	5	--
	11/06/95	75.73	0.00	21.44	<50	--	--	**6.6**	<1	<1	<1	--	12	--
	02/13/96	75.58	0.00	21.59	<50	--	--	1.1	<1	<1	<1	--	<2	--
	02/21/96	75.10	0.00	22.07	--	--	--	--	--	--	--	--	--	--
	05/21/96	73.61	0.00	23.56	--	--	--	--	--	--	--	--	--	--
	06/06/96	73.55	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	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	--
	02/12/98NP	71.27	0.00	25.90	<50	--	--	<1	<1	<1	<1	--	2	--
	05/14/98NP	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]	--	--	--	--	--	--	--	--	--	--
	05/28/99NP	69.40	0.00	27.77[b]	<50	--	--	2.7	<1	<1	<1	--	8	--
	08/18/99NP	71.23	0.00	25.94[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99NP	71.62	0.00	25.55	--	--	--	--	--	--	--	--	--	--
	02/09/00NP	73.20	0.00	23.97	--	--	--	--	--	--	--	--	--	--
	05/24/00NP	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
	05/21/03NP	76.20	0.00	20.97	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	**19.0**	13.0
	11/14/03NP	76.22	0.00	20.95	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04NP	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

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

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

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
					TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	09/02/11	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.									
GW-8D Cont.	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	78.79	0.00	19.78	**87,000**	--	--	**9,100**	**17,000**	**1,330**	**7,900**	--	3	--
	05/16/95	78.99	0.00	20.58	**68,000**	--	--	**7,700**	**12,000**	**1,200**	**6,000**	--	3	--
	08/09/95	78.32	0.00	21.25	**88,000**	--	--	**12,000**	**18,000**	**1,200**	**7,100**	--	6	--
	11/06/95	78.23	0.00	21.34	**88,000**	--	--	**11,000**	**20,000**	**1,300**	**7,900**	--	<2	--
	02/13/96	78.00	0.00	21.57	**69,000**	--	--	**11,000**	**16,000**	**1,300**	**6,300**	--	3	--
	02/21/96	77.60	0.00	21.97	--	--	--	--	--	--	--	--	--	--
	05/21/96	76.05	0.00	23.52	**76,000**	--	--	**13,000**	**20,000**	**1,500**	**7,500**	--	2	--
	06/06/96	76.01	0.00	23.56	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.91	0.00	23.66	--	--	--	--	--	--	--	--	--	--
	09/24/96	75.26	0.00	24.31	**34,000**	--	--	**4,600**	**6,200**	650	**2,800**	--	6	--
	12/12/96	75.77	0.00	23.80	**100,000**	--	--	**11,000**	**18,000**	**1,700**	**8,400**	--	6	--
	03/24/97	74.81	0.00	24.76	**64,000**	--	--	**7,400**	**14,000**	**1,400**	**1,200**	--	10	--
	04/11/97	74.32	0.00	25.25	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.05	0.00	26.52	**74,000**	--	--	**8,500**	**20,000**	**1,500**	**7,700**	--	8	--
	08/25/97	72.87	0.00	26.70	**47,000**	--	--	**4,000**	**11,000**	**940**	**4,600**	--	8	--
	11/19/97*	73.61	0.00	25.96	**34,000**	--	--	**2,500**	**6,900**	**760**	**3,300**	--	**27**	--
	02/12/98[NP]	73.75	0.00	25.82	52	--	--	2	4	2	7	--	3	--
	05/14/98[NP]	73.12	0.00	26.45	<50	--	--	<0.5	<1	<1	1	--	<2	--
	08/25/98[NP]	72.54	0.00	27.03	**46,000**	--	--	**1,800**	**6,700**	150	**11,000**	--	6	--
	11/13/98[NP]	74.80	0.00	24.77	200	--	--	**93**	6	6	32	--	2	--
	02/10/99	76.08	0.00	23.49	**3,250**	--	--	**647**	215	112	482	--	--	--
	05/28/99[NP]	68.45	0.00	31.12	**3,000**	--	--	**32**	34	10	630	--	9	--
	08/18/99[NP]	73.61	0.00	25.96	<50	--	--	2.9	<1	<1	<1	--	--	--
	11/11/99[NP]	77.38	0.00	22.19	**6,440**	--	--	**2,510**	129	625	841	--	7.05	--
	02/09/00[NP]	75.54	0.00	24.03	320	--	--	**34**	<0.5	0.67	0.74	--	<2	--
	05/24/00[NP]	75.90	0.00	23.67	98.0	--	--	<1.25	<0.550	<0.500	3.11	--	--	--
	09/11/00[NP]	68.40	0.00	31.17	**1,160**	--	--	**94.8**	2.53	40.3	134	--	--	--
	11/27/00[NP]	76.41	0.00	23.16	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	3.70	--
	02/23/01	74.59	0.00	24.98	133	--	--	0.721	< 0.500	3.34	3.07	--	10.6	--
	05/16/01	79.10	0.00	20.47	<50.0	--	--	3.92	< 0.500	1.18	< 1.00	--	<1.00	--
	08/30/01[NP]	78.85	0.00	20.72	63.4	--	--	**52.5**	< 0.500	2.39	<1.00	--	2.03	--
	11/19/01	79.38	0.00	20.19	<50.0	--	--	0.726	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	78.05	0.00	21.52	<50.0	--	--	0.670	<0.500	<0.500	1.31	--	2.76	--
	11/20/02	77.97	0.00	21.60	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	78.09	0.00	21.48	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	78.36	0.00	21.22	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.40	0.00	21.17	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	78.48	0.00	21.09	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	78.85	0.00	20.72	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.71	0.00	19.86	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	79.94	0.00	19.63	<48	--	--	0.6	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	79.37	0.00	20.20	<48	--	--	0.6	<0.2	<0.2	<0.6	--	<8.4	--
	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.									

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

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	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.									
GW-9D Cont.	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	--
	02/13/96	78.92	0.00	21.64	**2,600**	--	--	**38**	291	10	324	--	<2	--
	02/21/96	78.48	0.00	22.08	--	--	--	--	--	--	--	--	--	--
	05/21/96	77.00	0.00	23.56	**1,260**	--	--	**28.9**	121	8	190	--	<2	--
	06/06/96	76.94	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	06/11/96	76.82	0.00	23.74	--	--	--	--	--	--	--	--	--	--
	09/24/96	76.15	0.00	24.41	<50	--	--	0.6	<1	<1	3	--	4	--
	12/12/96	76.63	0.00	23.93	558	--	--	4.9	14	5	61	--	<2	--
	03/24/97	75.87	0.00	24.69	**1,200**	--	--	2.6	31	23	160	--	8	--
	04/11/97	75.29	0.00	25.27	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.98	0.00	26.58	**3,110**	--	--	**15.7**	133	68	434	--	3	--
	08/25/97	73.60	0.00	26.96	<50	--	--	<0.5	<1	<1	<1	--	3	--
	11/19/97*	74.52	0.00	26.04	<50	--	--	<0.5	<1	<1	<1	--	**26**	--
	02/12/98[NP]	74.61	0.00	25.95	<50	--	--	<0.5	<1	<1	<1	--	4	--
	05/14/98[NP]	73.74	0.00	26.82[b]	<50	--	--	<0.5	<1	<1	<1	--	4	--
	08/25/98[NP]	72.90	0.00	27.66[b]	**3,000**	--	--	**5.9**	55	15	310	--	2	--
	11/13/98[NP]	75.26	0.00	25.30[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/10/99	76.77	0.00	23.79[b]	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	05/28/99[NP]	63.60	0.00	36.96[b]	<50	--	--	<0.5	<1	<1	<1	--	3	--
	08/18/99[NP]	74.17	0.00	26.39[b]	<50	--	--	<0.5	<1	<1	<1	--	--	--
	11/11/99[NP]	61.05	0.00	39.51	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	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.									

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Aromatic Hydrocarbons Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Metals Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	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	--	--	--	--	--	--	--	--	--	--	--
GW-10D	03/22/13	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
Cont.	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
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	--
	11/06/95	78.20	0.00	21.52	<50	--	--	0.7	<1	<1	<1	--	2	--
	02/13/96	78.02	0.00	21.70	<50	--	--	<0.5	<1	<1	<1	--	2	--
	02/21/96	77.55	0.00	22.17	--	--	--	--	--	--	--	--	--	--
	05/21/96	76.09	0.00	23.63	--	--	--	--	--	--	--	--	--	--
	06/06/96	76.03	0.00	23.69	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.92	0.00	23.80	<50	--	--	<0.5	<1	<1	<1	--	6	--
	09/24/96	75.28	0.00	24.44	<50	--	--	<0.5	<1	<1	1	--	**25**	--
	12/12/96	75.80	0.00	23.92	<50	--	--	<0.5	<1	<1	<1	--	11	--
	03/24/97	74.69	0.00	25.03	<50	--	--	<0.5	<1	<1	<1	--	**29**	--
	04/11/97	74.34	0.00	25.38	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.11	0.00	26.61	<50	--	--	<0.5	<1	<1	<1	--	**19**	--
	08/25/97	73.00	0.00	26.72	<50	--	--	<0.5	<1	<1	<1	--	**19**	--
	11/19/97*	73.61	0.00	26.11	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	02/12/98[NP]	73.78	0.00	25.94	<50	--	--	<0.5	<1	<1	<1	--	9	--
	05/14/98[NP]	73.17	0.00	26.55	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98	70.10	0.00	29.62	--	--	--	--	--	--	--	--	--	--
	11/13/98	73.65	0.00	26.07	--	--	--	--	--	--	--	--	--	--
	02/10/99	76.10	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	64.90	0.00	34.82	<50	--	--	<0.5	<1	<1	<1	--	**98**	--
	08/18/99[NP]	73.88	0.00	25.84	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	77.08	0.00	22.64	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	75.61	0.00	24.11	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	75.55	0.00	24.17	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01[NP]	80.33	0.00	19.39	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	80.66	0.00	19.06	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.18	--
	11/20/02	78.44	0.00	21.28	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.54	<1.00
	05/21/03[NP]	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.21	<1.00
	11/14/03[NP]	78.68	0.00	21.05	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.57	0.00	21.15	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	79.91	0.00	19.81	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	79.61	0.00	20.11	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	79.75	0.00	19.97	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	80.32	0.00	19.40	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	79.58	0.00	20.14	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	79.24	0.00	20.48	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	78.62	0.00	21.10	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	78.00	0.00	21.72	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.54	0.00	21.18	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.95	0.00	21.77	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	76.7	65.5
	05/22/07	77.05	0.00	22.67	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
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.									

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

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	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.									
GW-11D Cont.	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												
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	--
	02/21/96	66.98	0.00	24.34	--	--	--	--	--	--	--	--	--	--
	05/21/96	65.17	0.00	26.15	--	--	--	--	--	--	--	--	--	--
	06/06/96	65.09	0.00	26.23	--	--	--	--	--	--	--	--	--	--
	06/11/96	65.05	0.00	26.27	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	09/24/96	65.35	0.00	25.97	<50	--	--	<0.5	<1	<1	<1	--	7	--
	12/12/96	64.97	0.00	26.35	<50	--	--	<0.5	<1	<1	<1	--	**17**	--
	03/24/97	63.86	0.00	27.46	<50	--	--	<0.5	<1	<1	<1	--	7	--
	04/11/97	63.03	0.00	28.29	--	--	--	--	--	--	--	--	--	--
	06/18/97	62.12	0.00	29.20	<50	--	--	<0.5	<1	<1	<1	--	11	--
	08/25/97	62.24	0.00	29.08	<50	--	--	<0.5	<1	<1	<1	--	11	--
	11/19/97	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/12/98[NP]	62.50	0.00	28.82	<50	--	--	<0.5	<1	<1	1	--	10	--
	05/14/98[NP]	62.10	0.00	29.22	<50	--	--	<0.5	<1	<1	1	--	6	--
	08/25/98	63.19	0.00	28.13	--	--	--	--	--	--	--	--	--	--
	11/13/98	64.60	0.00	26.72	--	--	--	--	--	--	--	--	--	--
	02/10/99	65.13	0.00	26.19	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	61.84	0.00	29.48	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	62.92	0.00	28.40	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	64.40	0.00	26.92	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	64.98	0.00	26.34	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	63.14	0.00	28.18	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	05/16/01[NP]	66.70	0.00	24.62	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	4.41	--
	08/30/01	NM	0.00	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	67.40	0.00	23.92	<50.0	--	--	<0.500	<0.500	<0.500	1.01	--	9.34	--
	05/04/02	66.32	0.00	25.00	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	5.87	--
	11/20/02	66.52	0.00	24.80	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.47	<1.00
	05/21/03[NP]	66.65	0.00	24.67	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.96	<1.00
	11/14/03[NP]	64.91	0.00	26.42	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	64.80	0.00	26.52	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	67.05	0.00	24.27	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	**15.5**	<10.0
	02/08/05	67.31	0.00	24.01	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	67.05	0.00	24.27	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	66.87	0.00	24.45	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	67.43	0.00	23.89	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	66.90	0.00	24.42	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	66.35	0.00	24.97	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	66.07	0.00	25.25	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.00	0.00	13.32	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	65.91	0.00	25.41	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	76.5	65.4
	05/22/07	66.08	0.00	25.24	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	12	<6.9
	08/20/07	64.97	0.00	26.35	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	69.95	0.00	21.37	<50	--	--	<0.5	0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	65.58	0.00	25.74	<50	--	--	<0.5	0.7	<0.8	<0.8	<0.5	**19**	<6.9
406.56	05/19/08	65.45	0.00	341.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	65.88	0.00	340.68	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	66.40	0.00	340.16	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9

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

Well ID TOC Elevation	Sample Date	DTW (feet)	LPH (feet)	GW Elev. (feet)	Total Petroleum Hydrocarbons TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Aromatic Hydrocarbons Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Metals Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	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.									
GW-12D	02/23/12	66.18	0.00	340.38	Well gauged only this quarter.									
Contd.	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												
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
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
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
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
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
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
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												

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

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
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												
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												
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												
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									
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									

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. Cardno ATC suspects that sample ID's "GW-5" and "GW-6" may have been switched.

APPENDIX A

LABORATORY ANALYTICAL DATA REPORT AND CHAIN OF CUSTODY DOCUMENT

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

March 23, 2021

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

RE: Project: P66 Burien
Pace Project No.: 10550827

Dear Elisabeth Silver:

Enclosed are the analytical results for sample(s) received by the laboratory on March 12, 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 - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: P66 Burien
Pace Project No.: 10550827

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
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 Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (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

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CERTIFICATIONS

Project: P66 Burien
Pace Project No.: 10550827

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 Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
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

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SAMPLE SUMMARY

Project: P66 Burien
Pace Project No.: 10550827

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10550827001	**GW-10D**	Water	03/09/21 00:00	03/12/21 08:50
10550827002	**GW-13S**	Water	03/10/21 11:35	03/12/21 08:50
10550827003	**GW-13D**	Water	03/10/21 10:45	03/12/21 08:50
10550827004	**GW-14S**	Water	03/10/21 15:10	03/12/21 08:50
10550827005	**GW-14D**	Water	03/10/21 14:25	03/12/21 08:50
10550827006	**GW-15S**	Water	03/09/21 13:00	03/12/21 08:50
10550827007	**GW-15D**	Water	03/09/21 12:00	03/12/21 08:50
10550827008	**Trip Blank**	Water	03/09/21 00:00	03/12/21 08:50

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SAMPLE ANALYTE COUNT

Project: P66 Burien
Pace Project No.: 10550827

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10550827001	**GW-10D**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	TPR	7	PAN
10550827002	**GW-13S**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	TPR	7	PAN
10550827003	**GW-13D**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	JAH	7	PAN
10550827004	**GW-14S**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	JAH	7	PAN
10550827005	**GW-14D**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	JAH	7	PAN
10550827006	**GW-15S**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	JAH	7	PAN
10550827007	**GW-15D**	NWTPH-Gx	NS1	2	PASI-M
		EPA 6010D	DCF	1	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 8260D	JAH	7	PAN
10550827008	**Trip Blank**	NWTPH-Gx	NS1	2	PASI-M
		EPA 8260D	TPR	7	PAN

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

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-10D **Lab ID: 10550827001** Collected: 03/09/21 00:00 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**45.7J**	ug/L	100	42.8	1		03/18/21 21:10		
Surrogates									
a,a,a-Trifluorotoluene (S)	82	%.	50-150		1		03/18/21 21:10	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:39	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:21	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**0.773J**	ug/L	1.00	0.0941	1	03/18/21 12:43	03/18/21 12:43	71-43-2	B,J
Toluene	**<0.278**	ug/L	1.00	0.278	1	03/18/21 12:43	03/18/21 12:43	108-88-3	
Ethylbenzene	**0.157J**	ug/L	1.00	0.137	1	03/18/21 12:43	03/18/21 12:43	100-41-4	J
Xylene (Total)	**0.238J**	ug/L	3.00	0.174	1	03/18/21 12:43	03/18/21 12:43	1330-20-7	J
Surrogates									
Toluene-d8 (S)	87.6	%	80.0-120		1	03/18/21 12:43	03/18/21 12:43	2037-26-5	
4-Bromofluorobenzene (S)	95.4	%	77.0-126		1	03/18/21 12:43	03/18/21 12:43	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70.0-130		1	03/18/21 12:43	03/18/21 12:43	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-13S **Lab ID: 10550827002** Collected: 03/10/21 11:35 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**2410**	ug/L	500	214	5		03/18/21 23:11		G+,G-
Surrogates									
a,a,a-Trifluorotoluene (S)	75	%.	50-150		5		03/18/21 23:11	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:41	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:35	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**3.78**	ug/L	1.00	0.0941	1	03/18/21 13:03	03/18/21 13:03	71-43-2	
Toluene	**1.86**	ug/L	1.00	0.278	1	03/18/21 13:03	03/18/21 13:03	108-88-3	
Ethylbenzene	**30.3**	ug/L	1.00	0.137	1	03/18/21 13:03	03/18/21 13:03	100-41-4	
Xylene (Total)	**107**	ug/L	3.00	0.174	1	03/18/21 13:03	03/18/21 13:03	1330-20-7	
Surrogates									
Toluene-d8 (S)	87.5	%	80.0-120		1	03/18/21 13:03	03/18/21 13:03	2037-26-5	
4-Bromofluorobenzene (S)	101	%	77.0-126		1	03/18/21 13:03	03/18/21 13:03	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	70.0-130		1	03/18/21 13:03	03/18/21 13:03	17060-07-0	

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-13D **Lab ID: 10550827003** Collected: 03/10/21 10:45 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**<42.8**	ug/L	100	42.8	1		03/18/21 21:27		
Surrogates									
a,a,a-Trifluorotoluene (S)	71	%.	50-150		1		03/18/21 21:27	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**7.4J**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:52	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:38	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	03/18/21 15:26	03/18/21 15:26	71-43-2	
Toluene	**<0.278**	ug/L	1.00	0.278	1	03/18/21 15:26	03/18/21 15:26	108-88-3	
Ethylbenzene	**<0.137**	ug/L	1.00	0.137	1	03/18/21 15:26	03/18/21 15:26	100-41-4	
Xylene (Total)	**<0.174**	ug/L	3.00	0.174	1	03/18/21 15:26	03/18/21 15:26	1330-20-7	
Surrogates									
Toluene-d8 (S)	90.3	%	80.0-120		1	03/18/21 15:26	03/18/21 15:26	2037-26-5	
4-Bromofluorobenzene (S)	96.3	%	77.0-126		1	03/18/21 15:26	03/18/21 15:26	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70.0-130		1	03/18/21 15:26	03/18/21 15:26	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-14S **Lab ID: 10550827004** Collected: 03/10/21 15:10 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**23200**	ug/L	5000	2140	50		03/18/21 20:18		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	73	%.	50-150		50		03/18/21 20:18	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:54	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:41	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**10.6**	ug/L	1.00	0.0941	1	03/18/21 15:46	03/18/21 15:46	71-43-2	
Toluene	**107**	ug/L	50.0	13.9	50	03/20/21 05:21	03/20/21 05:21	108-88-3	
Ethylbenzene	**75.4**	ug/L	50.0	6.85	50	03/20/21 05:21	03/20/21 05:21	100-41-4	
Xylene (Total)	**334**	ug/L	150	8.70	50	03/20/21 05:21	03/20/21 05:21	1330-20-7	
Surrogates									
Toluene-d8 (S)	80.6	%	80.0-120		1	03/18/21 15:46	03/18/21 15:46	2037-26-5	
Toluene-d8 (S)	107	%	80.0-120		50	03/20/21 05:21	03/20/21 05:21	2037-26-5	
4-Bromofluorobenzene (S)	103	%	77.0-126		1	03/18/21 15:46	03/18/21 15:46	460-00-4	
4-Bromofluorobenzene (S)	93.5	%	77.0-126		50	03/20/21 05:21	03/20/21 05:21	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70.0-130		1	03/18/21 15:46	03/18/21 15:46	17060-07-0	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130		50	03/20/21 05:21	03/20/21 05:21	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-14D **Lab ID: 10550827005** Collected: 03/10/21 14:25 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**337**	ug/L	100	42.8	1		03/19/21 00:20		G+,G-
Surrogates									
a,a,a-Trifluorotoluene (S)	77	%.	50-150		1		03/19/21 00:20	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:56	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:50	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**665**	ug/L	20.0	1.88	20	03/20/21 05:40	03/20/21 05:40	71-43-2	
Toluene	**<5.56**	ug/L	20.0	5.56	20	03/20/21 05:40	03/20/21 05:40	108-88-3	
Ethylbenzene	**7.86J**	ug/L	20.0	2.74	20	03/20/21 05:40	03/20/21 05:40	100-41-4	J
Xylene (Total)	**<3.48**	ug/L	60.0	3.48	20	03/20/21 05:40	03/20/21 05:40	1330-20-7	
Surrogates									
Toluene-d8 (S)	107	%	80.0-120		20	03/20/21 05:40	03/20/21 05:40	2037-26-5	
4-Bromofluorobenzene (S)	95.4	%	77.0-126		20	03/20/21 05:40	03/20/21 05:40	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70.0-130		20	03/20/21 05:40	03/20/21 05:40	17060-07-0	

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-15S **Lab ID: 10550827006** Collected: 03/09/21 13:00 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**<42.8**	ug/L	100	42.8	1		03/18/21 22:53		
Surrogates									
a,a,a-Trifluorotoluene (S)	78	%.	50-150		1		03/18/21 22:53	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:57	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:53	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**0.141J**	ug/L	1.00	0.0941	1	03/20/21 03:19	03/20/21 03:19	71-43-2	B,J
Toluene	**<0.278**	ug/L	1.00	0.278	1	03/20/21 03:19	03/20/21 03:19	108-88-3	
Ethylbenzene	**<0.137**	ug/L	1.00	0.137	1	03/20/21 03:19	03/20/21 03:19	100-41-4	
Xylene (Total)	**<0.174**	ug/L	3.00	0.174	1	03/20/21 03:19	03/20/21 03:19	1330-20-7	
Surrogates									
Toluene-d8 (S)	107	%	80.0-120		1	03/20/21 03:19	03/20/21 03:19	2037-26-5	
4-Bromofluorobenzene (S)	96.2	%	77.0-126		1	03/20/21 03:19	03/20/21 03:19	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70.0-130		1	03/20/21 03:19	03/20/21 03:19	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: GW-15D **Lab ID: 10550827007** Collected: 03/09/21 12:00 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**<42.8**	ug/L	100	42.8	1		03/18/21 22:36		
Surrogates									
a,a,a-Trifluorotoluene (S)	75	%.	50-150		1		03/18/21 22:36	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 14:59	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Minneapolis								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	03/15/21 06:43	03/17/21 13:56	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	03/20/21 03:39	03/20/21 03:39	71-43-2	
Toluene	**<0.278**	ug/L	1.00	0.278	1	03/20/21 03:39	03/20/21 03:39	108-88-3	
Ethylbenzene	**<0.137**	ug/L	1.00	0.137	1	03/20/21 03:39	03/20/21 03:39	100-41-4	
Xylene (Total)	**<0.174**	ug/L	3.00	0.174	1	03/20/21 03:39	03/20/21 03:39	1330-20-7	
Surrogates									
Toluene-d8 (S)	110	%	80.0-120		1	03/20/21 03:39	03/20/21 03:39	2037-26-5	
4-Bromofluorobenzene (S)	93.3	%	77.0-126		1	03/20/21 03:39	03/20/21 03:39	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70.0-130		1	03/20/21 03:39	03/20/21 03:39	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: P66 Burien
Pace Project No.: 10550827

Sample: Trip Blank **Lab ID: 10550827008** Collected: 03/09/21 00:00 Received: 03/12/21 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis								
TPH as Gas	**<42.8**	ug/L	100	42.8	1		03/18/21 20:00		
Surrogates									
a,a,a-Trifluorotoluene (S)	77	%.	50-150		1		03/18/21 20:00	98-08-8	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Benzene	**0.247J**	ug/L	1.00	0.0941	1	03/18/21 11:22	03/18/21 11:22	71-43-2	B,J
Toluene	**<0.278**	ug/L	1.00	0.278	1	03/18/21 11:22	03/18/21 11:22	108-88-3	
Ethylbenzene	**<0.137**	ug/L	1.00	0.137	1	03/18/21 11:22	03/18/21 11:22	100-41-4	
Xylene (Total)	**<0.174**	ug/L	3.00	0.174	1	03/18/21 11:22	03/18/21 11:22	1330-20-7	
Surrogates									
Toluene-d8 (S)	91.0	%	80.0-120		1	03/18/21 11:22	03/18/21 11:22	2037-26-5	
4-Bromofluorobenzene (S)	95.8	%	77.0-126		1	03/18/21 11:22	03/18/21 11:22	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70.0-130		1	03/18/21 11:22	03/18/21 11:22	17060-07-0	

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

QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10550827

QC Batch: 730240
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007, 10550827008

METHOD BLANK: 3891818 Matrix: Water
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007, 10550827008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<42.8	100	42.8	03/18/21 19:33	
a,a,a-Trifluorotoluene (S)	%.	81	50-150		03/18/21 19:33	

METHOD BLANK: 3891819 Matrix: Water
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007, 10550827008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<42.8	100	42.8	03/18/21 22:19	
a,a,a-Trifluorotoluene (S)	%.	80	50-150		03/18/21 22:19	

LABORATORY CONTROL SAMPLE & LCSD: 3891820 3891821

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1010	930	101	93	75-127	8	20	
a,a,a-Trifluorotoluene (S)	%.				90	97	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3891880 3891881

Parameter	Units	10550827002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	2410	5000	5000	7260	7400	97	100	71-139	2	30	G+,G-
a,a,a-Trifluorotoluene (S)	%.						97	93	50-150			

SAMPLE DUPLICATE: 3892408

Parameter	Units	10550827004 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	23200	29400	23	30	G-
a,a,a-Trifluorotoluene (S)	%.	73	79			

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

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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10550827

QC Batch: 729322 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010D Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007

METHOD BLANK: 3887374 Matrix: Water
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	<2.0	10.0	2.0	03/17/21 14:36	

LABORATORY CONTROL SAMPLE: 3887375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	997	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3887376 3887377

Parameter	Units	10550827002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	<2.0	1000	1000	996	941	100	94	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10550827

QC Batch: 729319 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010D Water Dissolved
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007

METHOD BLANK: 3887362 Matrix: Water
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827005, 10550827006, 10550827007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.0	10.0	2.0	03/17/21 13:15	

LABORATORY CONTROL SAMPLE: 3887363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	932	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3887364 3887365

Parameter	Units	10550827001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<2.0	1000	1000	925	892	93	89	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10550827

QC Batch: 1636706
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827008

METHOD BLANK: R3632273-4 Matrix: Water
Associated Lab Samples: 10550827001, 10550827002, 10550827003, 10550827004, 10550827008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	0.191J	1.00	0.0941	03/18/21 10:33	J
Ethylbenzene	ug/L	<0.137	1.00	0.137	03/18/21 10:33	
Toluene	ug/L	<0.278	1.00	0.278	03/18/21 10:33	
Xylene (Total)	ug/L	<0.174	3.00	0.174	03/18/21 10:33	
Toluene-d8 (S)	%	90.9	80.0-120		03/18/21 10:33	
4-Bromofluorobenzene (S)	%	93.4	77.0-126		03/18/21 10:33	
1,2-Dichloroethane-d4 (S)	%	121	70.0-130		03/18/21 10:33	

LABORATORY CONTROL SAMPLE & LCSD: R3632273-1 R3632273-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	5.00	5.54	5.53	111	111	70.0-123	0.181	20	
Ethylbenzene	ug/L	5.00	4.81	4.84	96.2	96.8	79.0-123	0.622	20	
Toluene	ug/L	5.00	4.48	4.36	89.6	87.2	79.0-120	2.71	20	
Xylene (Total)	ug/L	15.0	14.2	14.1	94.7	94.0	79.0-123	0.707	20	
Toluene-d8 (S)	%				91.1	89.0	80.0-120			
4-Bromofluorobenzene (S)	%				98.6	97.4	77.0-126			
1,2-Dichloroethane-d4 (S)	%				121	116	70.0-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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QUALITY CONTROL DATA

Project: P66 Burien
Pace Project No.: 10550827

QC Batch: 1637544
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10550827004, 10550827005, 10550827006, 10550827007

METHOD BLANK: R3632970-2 Matrix: Water
Associated Lab Samples: 10550827004, 10550827005, 10550827006, 10550827007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.0941	1.00	0.0941	03/19/21 23:34	
Ethylbenzene	ug/L	<0.137	1.00	0.137	03/19/21 23:34	
Toluene	ug/L	<0.278	1.00	0.278	03/19/21 23:34	
Xylene (Total)	ug/L	<0.174	3.00	0.174	03/19/21 23:34	
Toluene-d8 (S)	%	107	80.0-120		03/19/21 23:34	
4-Bromofluorobenzene (S)	%	95.7	77.0-126		03/19/21 23:34	
1,2-Dichloroethane-d4 (S)	%	101	70.0-130		03/19/21 23:34	

LABORATORY CONTROL SAMPLE & LCSD: R3632970-1 R3632970-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	5.00	5.12	4.54	102	90.8	70.0-123	12.0	20	
Ethylbenzene	ug/L	5.00	5.01	4.24	100	84.8	79.0-123	16.6	20	
Toluene	ug/L	5.00	4.85	4.17	97.0	83.4	79.0-120	15.1	20	
Xylene (Total)	ug/L	15.0	15.4	13.0	103	86.7	79.0-123	16.9	20	
Toluene-d8 (S)	%				109	104	80.0-120			
4-Bromofluorobenzene (S)	%				96.7	95.8	77.0-126			
1,2-Dichloroethane-d4 (S)	%				101	102	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
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Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: P66 Burien
Pace Project No.: 10550827

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

B	Analyte was detected in the associated method blank.
G+	Late peaks present outside the GRO window.
G-	Early peaks present outside the GRO window.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: P66 Burien
Pace Project No.: 10550827

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10550827001	**GW-10D**	NWTPH-Gx	730240		
10550827002	**GW-13S**	NWTPH-Gx	730240		
10550827003	**GW-13D**	NWTPH-Gx	730240		
10550827004	**GW-14S**	NWTPH-Gx	730240		
10550827005	**GW-14D**	NWTPH-Gx	730240		
10550827006	**GW-15S**	NWTPH-Gx	730240		
10550827007	**GW-15D**	NWTPH-Gx	730240		
10550827008	**Trip Blank**	NWTPH-Gx	730240		
10550827001	**GW-10D**	EPA 3010A	729322	EPA 6010D	729529
10550827002	**GW-13S**	EPA 3010A	729322	EPA 6010D	729529
10550827003	**GW-13D**	EPA 3010A	729322	EPA 6010D	729529
10550827004	**GW-14S**	EPA 3010A	729322	EPA 6010D	729529
10550827005	**GW-14D**	EPA 3010A	729322	EPA 6010D	729529
10550827006	**GW-15S**	EPA 3010A	729322	EPA 6010D	729529
10550827007	**GW-15D**	EPA 3010A	729322	EPA 6010D	729529
10550827001	**GW-10D**	EPA 3010A	729319	EPA 6010D	729530
10550827002	**GW-13S**	EPA 3010A	729319	EPA 6010D	729530
10550827003	**GW-13D**	EPA 3010A	729319	EPA 6010D	729530
10550827004	**GW-14S**	EPA 3010A	729319	EPA 6010D	729530
10550827005	**GW-14D**	EPA 3010A	729319	EPA 6010D	729530
10550827006	**GW-15S**	EPA 3010A	729319	EPA 6010D	729530
10550827007	**GW-15D**	EPA 3010A	729319	EPA 6010D	729530
10550827001	**GW-10D**	8260D	1636706	EPA 8260D	1636706
10550827002	**GW-13S**	8260D	1636706	EPA 8260D	1636706
10550827003	**GW-13D**	8260D	1636706	EPA 8260D	1636706
10550827004	**GW-14S**	8260D	1636706	EPA 8260D	1636706
10550827004	**GW-14S**	8260D	1637544	EPA 8260D	1637544
10550827005	**GW-14D**	8260D	1637544	EPA 8260D	1637544
10550827006	**GW-15S**	8260D	1637544	EPA 8260D	1637544
10550827007	**GW-15D**	8260D	1637544	EPA 8260D	1637544
10550827008	**Trip Blank**	8260D	1636706	EPA 8260D	1636706

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CHAIN-OF-CUSTODY / Analytical Re

The Chain-of-Custody is a LEGAL DOCUMENT. All releva

WO# : 10550827

10550827

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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 / Renton Ave

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	NWTPH-Dx	NWTPH-Gx	8260 BTEX	Total Lead	Dissolved Lead (Field Filtered)	Residual Chlorine (Y/N)	
	MATRIX: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS																	Requested Analysis Filtered (Y/N)							
1	GW-10D			3/9/21					8		(2)	2	6						X	X	X	X	X		01
2	GW-13S			3/10/21	11:35				8		(2)	2	6					(BU)		X	X	X	X		02
3	GW-13D			3/10/21	10:45				8		(BU)	2	6							X	X	X	X		03
4	GW-14S			3/10/21	15:10				8			2	6							X	X	X	X		04
5	GW-14D			3/10/21	14:25				8			2	6							X	X	X	X		05
6	GW-15S			3/9/21	13:00				8			2	6							X	X	X	X		06
7	GW-15D			3/9/21	12:00				8			2	6							X	X	X	X		07
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	B. Jeelts/ATC	3/11/21	15:31	[signature] / Pace	3/12/21	0850	5.15	Y	Y	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:			
SIGNATURE of SAMPLER:	DATE Signed:		

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: 12Aug2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.01**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

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

WO#: 10550827
PM: JMG Due Date: 03/19/21
CLIENT: ATC_WA

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

Tracking Number: 9550 9941 2428 ☐ 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) ☐ T4(0254) ☐ T5(0489) **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

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

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** _____ °C **Average Corrected Temp (no temp blank only):** 5.15 °C ☑ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

Correction Factor: -0.2 **Cooler Temp Corrected w/temp blank:** _____ °C

USDA Regulated Soil: (☑ N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** 3-12-21 / RS

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~~ 3/12/21 RS	☑ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☑ Yes	☐ No		6.
Sufficient Volume?	☑ Yes	☐ No		7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☑ Yes	☐ No ☐ No		8.
Containers Intact?	☑ Yes	☐ No		9.
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 # 001 - 007
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 1-7: 2/2
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	JMG 031221 ☑ 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.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): 191534 (3)

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Jenni Gross **Date:** 03/12/21

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: Ca RS 3/12

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) Exception Form**	Document Revised: 04Jun2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0142 Rev.01**	Pace Analytical Services - **Minneapolis**

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

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

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

No Temp Blank		
Read Temp	Corrected Temp	Average Temp
6.0	5.8	5.15
7.9	7.7	
7.5	7.3	
4.0	7.8	

Tracking Number/Temperature	

Issue Type:

Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

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

Comments:

F243

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 3/12/2021 Results Requested By: 3/23/2021

Workorder: 10550827 **Workorder Name:** P66 Burien

Report To	Subcontract To
Jennifer Gross Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: VG9H	Requested Analysis: 8260 BTEX	LAB USE ONLY: L1327707
1	GW-10D	PS	3/9/2021 00:00	10550827001	Water	3	X	-01
2	GW-13S	PS	3/10/2021 11:35	10550827002	Water	3	X	-02
3	GW-13D	PS	3/10/2021 10:45	10550827003	Water	3	X	-03
4	GW-14S	PS	3/10/2021 15:10	10550827004	Water	3	X	-04
5	GW-14D	PS	3/10/2021 14:25	10550827005	Water	3	X	-05
6	GW-15S	PS	3/9/2021 13:00	10550827006	Water	3	X	-06
7	GW-15D	PS	3/9/2021 12:00	10550827007	Water	3	X	-07
8	Trip Blank	PS	3/9/2021 00:00	10550827008	Water	1	X	-08

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] -PACE	3/11/21 1441	Olivia Tenn	3/16/21 900
2				
3				

Comments

Cooler Temperature on Receipt .9 °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.

MPAB
12-3-9

Fedex: 9371 9292 1958

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		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

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

RE: P66 Burien - AOC 2063
Work Order Number: 2103183

March 25, 2021

Attention Elisabeth Silver:

Fremont Analytical, Inc. received 3 sample(s) on 3/10/2021 for the analyses presented in the following report.

Extractable Petroleum Hydrocarbons by NWEPH
Volatile Petroleum Hydrocarbons by NWVPH

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *03/25/2021*

CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063
Work Order: 2103183

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103183-001	GW-13S	03/10/2021 11:35 AM	03/10/2021 4:47 PM
2103183-002	GW-14S	03/10/2021 3:10 PM	03/10/2021 4:47 PM
2103183-003	Trip Blank	03/10/2021 12:00 AM	03/10/2021 4:47 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2103183**
Date: **3/25/2021**

CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2103183**
Date Reported: **3/25/2021**

Client: ATC Group Services, Inc.
Collection Date: 3/10/2021 11:35:00 AM
Project: P66 Burien - AOC 2063
Lab ID: 2103183-001
Matrix: Groundwater
Client Sample ID: **GW-13S**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Extractable Petroleum Hydrocarbons by NWEPH				Batch ID: 31633		Analyst: MM
Aliphatic Hydrocarbon (C8-C10)	ND	79.1	*	µg/L	1	3/19/2021 2:13:11 PM
Aliphatic Hydrocarbon (C10-C12)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aliphatic Hydrocarbon (C12-C16)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aliphatic Hydrocarbon (C16-C21)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aliphatic Hydrocarbon (C21-C34)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aromatic Hydrocarbon (C8-C10)	322	79.1	*	µg/L	1	3/19/2021 2:13:11 PM
Aromatic Hydrocarbon (C10-C12)	217	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aromatic Hydrocarbon (C12-C16)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aromatic Hydrocarbon (C16-C21)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Aromatic Hydrocarbon (C21-C34)	ND	39.6		µg/L	1	3/19/2021 2:13:11 PM
Surr: 1-Chlorooctadecane	74.0	60 - 140		%Rec	1	3/19/2021 2:13:11 PM
Surr: o-Terphenyl	95.5	60 - 140		%Rec	1	3/19/2021 2:13:11 PM

NOTES:
* - Flagged value is not within established control limits.

Volatile Petroleum Hydrocarbons by NWVPH				Batch ID: 31678		Analyst: CR
Aliphatic Hydrocarbon (C5-C6)	ND	40.0		µg/L	1	3/17/2021 2:07:24 PM
Aliphatic Hydrocarbon (C6-C8)	ND	20.0		µg/L	1	3/17/2021 2:07:24 PM
Aliphatic Hydrocarbon (C8-C10)	ND	20.0		µg/L	1	3/17/2021 2:07:24 PM
Aliphatic Hydrocarbon (C10-C12)	ND	20.0		µg/L	1	3/17/2021 2:07:24 PM
Aromatic Hydrocarbon (C8-C10)	ND	50.0		µg/L	1	3/17/2021 2:07:24 PM
Aromatic Hydrocarbon (C10-C12)	111	20.0		µg/L	1	3/17/2021 2:07:24 PM
Aromatic Hydrocarbon (C12-C13)	38.3	20.0		µg/L	1	3/17/2021 2:07:24 PM
Surr: 1,4-Difluorobenzene	85.6	65 - 140		%Rec	1	3/17/2021 2:07:24 PM
Surr: Bromofluorobenzene	93.4	65 - 140		%Rec	1	3/17/2021 2:07:24 PM

Analytical Report

Work Order: **2103183**
Date Reported: **3/25/2021**

Client: ATC Group Services, Inc.
Collection Date: 3/10/2021 3:10:00 PM
Project: P66 Burien - AOC 2063
Lab ID: 2103183-002
Matrix: Groundwater
Client Sample ID: **GW-14S**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Extractable Petroleum Hydrocarbons by NWEPH				Batch ID: 31633		Analyst: MM
Aliphatic Hydrocarbon (C8-C10)	450	79.6	*	µg/L	1	3/19/2021 3:06:16 PM
Aliphatic Hydrocarbon (C10-C12)	ND	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aliphatic Hydrocarbon (C12-C16)	ND	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aliphatic Hydrocarbon (C16-C21)	ND	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aliphatic Hydrocarbon (C21-C34)	ND	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aromatic Hydrocarbon (C8-C10)	3,730	79.6	*	µg/L	1	3/19/2021 3:06:16 PM
Aromatic Hydrocarbon (C10-C12)	872	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aromatic Hydrocarbon (C12-C16)	217	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aromatic Hydrocarbon (C16-C21)	ND	39.8		µg/L	1	3/19/2021 3:06:16 PM
Aromatic Hydrocarbon (C21-C34)	ND	39.8		µg/L	1	3/19/2021 3:06:16 PM
Surr: 1-Chlorooctadecane	70.5	60 - 140		%Rec	1	3/19/2021 3:06:16 PM
Surr: o-Terphenyl	103	60 - 140		%Rec	1	3/19/2021 3:06:16 PM

NOTES:
* - Flagged value is not within established control limits.

Volatile Petroleum Hydrocarbons by NWVPH				Batch ID: 31678		Analyst: CR
Aliphatic Hydrocarbon (C5-C6)	1,810	400	D	µg/L	10	3/23/2021 12:28:13 PM
Aliphatic Hydrocarbon (C6-C8)	1,300	200	D	µg/L	10	3/23/2021 12:28:13 PM
Aliphatic Hydrocarbon (C8-C10)	494	200	D	µg/L	10	3/23/2021 12:28:13 PM
Aliphatic Hydrocarbon (C10-C12)	476	20.0		µg/L	1	3/17/2021 3:25:59 PM
Aromatic Hydrocarbon (C8-C10)	4,880	500	D	µg/L	10	3/23/2021 12:28:13 PM
Aromatic Hydrocarbon (C10-C12)	1,970	200	D	µg/L	10	3/23/2021 12:28:13 PM
Aromatic Hydrocarbon (C12-C13)	318	20.0		µg/L	1	3/17/2021 3:25:59 PM
Surr: 1,4-Difluorobenzene	102	65 - 140		%Rec	1	3/17/2021 3:25:59 PM
Surr: Bromofluorobenzene	97.0	65 - 140		%Rec	1	3/17/2021 3:25:59 PM

Work Order: 2103183
CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: **MB-31633**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **3/11/2021**	RunNo: **66011**
Client ID: **MBLKW**	Batch ID: **31633**		Analysis Date: **3/19/2021**	SeqNo: **1328123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	ND	79.6		0	0						*
Aliphatic Hydrocarbon (C10-C12)	ND	39.8		0	0						
Aliphatic Hydrocarbon (C12-C16)	ND	39.8		0	0						
Aliphatic Hydrocarbon (C16-C21)	ND	39.8		0	0						
Aliphatic Hydrocarbon (C21-C34)	ND	39.8		0	0						
Surr: 1-Chlorooctadecane	321		397.9		80.6	60	140				

NOTES:
* - Flagged value is not within established control limits.

Sample ID: **MB-31633**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **3/11/2021**	RunNo: **66010**
Client ID: **MBLKW**	Batch ID: **31633**		Analysis Date: **3/19/2021**	SeqNo: **1328181**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	ND	79.6		0	0						*
Aromatic Hydrocarbon (C10-C12)	ND	39.8		0	0						
Aromatic Hydrocarbon (C12-C16)	ND	39.8		0	0						
Aromatic Hydrocarbon (C16-C21)	ND	39.8		0	0						
Aromatic Hydrocarbon (C21-C34)	ND	39.8		0	0						
Surr: o-Terphenyl	351		397.9		88.3	60	140				

NOTES:
* - Flagged value is not within established control limits.

Sample ID: **LCS-31633**	SampType: **LCS**	Units: **µg/L**	Prep Date: **3/11/2021**	RunNo: **66011**
Client ID: **LCSW**	Batch ID: **31633**		Analysis Date: **3/19/2021**	SeqNo: **1328124**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	306	79.4	992.7	0	30.8	70	130				S
Aliphatic Hydrocarbon (C10-C12)	280	39.7	496.3	0	56.3	70	130				S
Aliphatic Hydrocarbon (C12-C16)	344	39.7	496.3	0	69.4	70	130				S
Aliphatic Hydrocarbon (C16-C21)	352	39.7	496.3	0	70.8	70	130				
Aliphatic Hydrocarbon (C21-C34)	284	39.7	496.3	0	57.2	70	130				S

Work Order: 2103183
CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: **LCS-31633** SampType: **LCS** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66011**
Client ID: **LCSW** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328124**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Chlorooctadecane	311		397.1		78.3	60	140				

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.
S - Outlying spike recovery observed (C8-C10). Samples will be qualified with a *.

Sample ID: **LCS-31633** SampType: **LCS** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66010**
Client ID: **LCSW** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328182**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	340	79.4	992.7	0	34.2	70	130				S
Aromatic Hydrocarbon (C10-C12)	316	39.7	496.3	0	63.6	70	130				S
Aromatic Hydrocarbon (C12-C16)	309	39.7	496.3	0	62.2	70	130				S
Aromatic Hydrocarbon (C16-C21)	422	39.7	496.3	0	85.0	70	130				
Aromatic Hydrocarbon (C21-C34)	405	39.7	496.3	0	81.6	70	130				
Surr: o-Terphenyl	348		397.1		87.7	60	140				

NOTES:
S - Outlying spike recovery(ies) observed (C10-C12) & (C12-C16). A duplicate analysis was performed and recovered within range.
S - Outlying spike recovery observed (C8-10). Samples will be qualified with a *.

Sample ID: **LCSD-31633** SampType: **LCSD** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66011**
Client ID: **LCSW02** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328125**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	353	78.6	982.1	0	36.0	70	130	305.5	14.5	20	S
Aliphatic Hydrocarbon (C10-C12)	345	39.3	491.1	0	70.2	70	130	279.5	20.9	20	R
Aliphatic Hydrocarbon (C12-C16)	368	39.3	491.1	0	75.0	70	130	344.4	6.69	20	
Aliphatic Hydrocarbon (C16-C21)	372	39.3	491.1	0	75.8	70	130	351.5	5.78	20	
Aliphatic Hydrocarbon (C21-C34)	442	39.3	491.1	0	90.0	70	130	283.9	43.6	20	R
Surr: 1-Chlorooctadecane	315		392.9		80.3	60	140		0		

Work Order: 2103183
CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: **LCSD-31633** SampType: **LCSD** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66011**
Client ID: **LCSW02** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328125**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying spike recovery observed (C8-C10). Samples will be qualified with a *.
R - High RPD observed, spike recovery is within range.

Sample ID: **LCSD-31633** SampType: **LCSD** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66010**
Client ID: **LCSW02** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328183**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	394	78.6	982.1	0	40.2	70	130	339.8	14.9	20	S
Aromatic Hydrocarbon (C10-C12)	359	39.3	491.1	0	73.2	70	130	315.6	12.9	20	
Aromatic Hydrocarbon (C12-C16)	375	39.3	491.1	0	76.4	70	130	308.5	19.4	20	
Aromatic Hydrocarbon (C16-C21)	465	39.3	491.1	0	94.7	70	130	422.0	9.71	20	
Aromatic Hydrocarbon (C21-C34)	424	39.3	491.1	0	86.4	70	130	404.8	4.68	20	
Surr: o-Terphenyl	394		392.9		100	60	140		0		

NOTES:
S - Outlying spike recovery observed (C8-C10). Samples will be qualified with a *.

Sample ID: **2103183-002BMS** SampType: **MS** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66011**
Client ID: **GW-14S** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328128**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	941	82.8	1,035	449.9	47.5	70	130				S
Aliphatic Hydrocarbon (C10-C12)	416	41.4	517.6	21.30	76.2	70	130				
Aliphatic Hydrocarbon (C12-C16)	369	41.4	517.6	0	71.4	70	130				
Aliphatic Hydrocarbon (C16-C21)	475	41.4	517.6	0	91.9	70	130				
Aliphatic Hydrocarbon (C21-C34)	382	41.4	517.6	0	73.7	70	130				
Surr: 1-Chlorooctadecane	296		414.1		71.4	60	140				

NOTES:
S - Outlying spike recovery observed (C8-C10).

Work Order: 2103183
CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: **2103183-002BMS** SampType: **MS** Units: **µg/L** Prep Date: **3/11/2021** RunNo: **66010**
Client ID: **GW-14S** Batch ID: **31633** Analysis Date: **3/19/2021** SeqNo: **1328186**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	3,260	82.8	1,035	3,734	-45.6	70	130				S
Aromatic Hydrocarbon (C10-C12)	1,090	41.4	517.6	871.9	41.3	70	130				S
Aromatic Hydrocarbon (C12-C16)	629	41.4	517.6	216.7	79.8	70	130				
Aromatic Hydrocarbon (C16-C21)	450	41.4	517.6	0	87.0	70	130				
Aromatic Hydrocarbon (C21-C34)	421	41.4	517.6	0	81.4	70	130				
Surr: o-Terphenyl	373		414.1		90.1	60	140				

NOTES:
S - Outlying spike recovery observed (C8-C10) & (C10-C12)

Work Order: 2103183
CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: **LCS-31678**	SampType: **LCS**	Units: **µg/L**	Prep Date: **3/17/2021**	RunNo: **66061**
Client ID: **LCSW**	Batch ID: **31678**		Analysis Date: **3/17/2021**	SeqNo: **1329129**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	602	40.0	600.0	0	100	70	130				
Aliphatic Hydrocarbon (C6-C8)	194	20.0	200.0	0	97.2	70	130				
Aliphatic Hydrocarbon (C8-C10)	196	20.0	200.0	0	97.9	70	130				
Aliphatic Hydrocarbon (C10-C12)	206	20.0	200.0	0	103	70	130				
Aromatic Hydrocarbon (C8-C10)	836	50.0	800.0	0	105	70	130				
Aromatic Hydrocarbon (C10-C12)	211	20.0	200.0	0	105	70	130				
Aromatic Hydrocarbon (C12-C13)	210	20.0	200.0	0	105	70	130				
Surr: 1,4-Difluorobenzene	52.7		50.00		105	65	140				
Surr: Bromofluorobenzene	52.4		50.00		105	65	140				

Sample ID: **MB-31678**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **3/17/2021**	RunNo: **66061**
Client ID: **MBLKW**	Batch ID: **31678**		Analysis Date: **3/17/2021**	SeqNo: **1329127**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	40.0		0	0						
Aliphatic Hydrocarbon (C6-C8)	ND	20.0		0	0						
Aliphatic Hydrocarbon (C8-C10)	ND	20.0		0	0						
Aliphatic Hydrocarbon (C10-C12)	ND	20.0		0	0						
Aromatic Hydrocarbon (C8-C10)	ND	50.0		0	0						
Aromatic Hydrocarbon (C10-C12)	ND	20.0		0	0						
Aromatic Hydrocarbon (C12-C13)	ND	20.0		0	0						
Surr: 1,4-Difluorobenzene	44.4		50.00		88.8	65	140				
Surr: Bromofluorobenzene	49.9		50.00		99.8	65	140				

Sample ID: **2103183-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **3/17/2021**	RunNo: **66061**
Client ID: **GW-13S**	Batch ID: **31678**		Analysis Date: **3/17/2021**	SeqNo: **1329121**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	40.0		0	0			0		25	

Work Order: 2103183
CLIENT: ATC Group Services, Inc.
Project: P66 Burien - AOC 2063

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: **2103183-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/17/2021** RunNo: **66061**
Client ID: **GW-13S** Batch ID: **31678** Analysis Date: **3/17/2021** SeqNo: **1329121**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C6-C8)	ND	20.0		0	0			0		25	
Aliphatic Hydrocarbon (C8-C10)	ND	20.0		0	0			0		25	
Aliphatic Hydrocarbon (C10-C12)	ND	20.0		0	0			0		25	
Aromatic Hydrocarbon (C8-C10)	ND	50.0		0	0			0		25	
Aromatic Hydrocarbon (C10-C12)	76.8	20.0		0	0			110.9	36.3	25	R
Aromatic Hydrocarbon (C12-C13)	28.2	20.0		0	0			38.34	30.6	25	
Surr: 1,4-Difluorobenzene	42.3		50.00		84.6	65	140		0		
Surr: Bromofluorobenzene	46.4		50.00		92.8	65	140		0		

NOTES:
R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: **2103183-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/17/2021** RunNo: **66061**
Client ID: **GW-14S** Batch ID: **31678** Analysis Date: **3/17/2021** SeqNo: **1329123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	2,930	40.0	600.0	3,184	-42.0	70	130				SE
Aliphatic Hydrocarbon (C6-C8)	1,260	20.0	200.0	1,521	-128	70	130				SE
Aliphatic Hydrocarbon (C8-C10)	849	20.0	200.0	689.8	79.8	70	130				E
Aliphatic Hydrocarbon (C10-C12)	780	20.0	200.0	476.2	152	70	130				S
Aromatic Hydrocarbon (C8-C10)	5,450	50.0	800.0	4,803	81.0	70	130				E
Aromatic Hydrocarbon (C10-C12)	1,870	20.0	200.0	1,680	95.6	70	130				E
Aromatic Hydrocarbon (C12-C13)	533	20.0	200.0	318.2	107	70	130				
Surr: 1,4-Difluorobenzene	52.7		50.00		105	65	140				
Surr: Bromofluorobenzene	49.6		50.00		99.2	65	140				

NOTES:
S - Outlying spike recovery observed.
E - Estimated value. The amount exceeds the linear working range of the instrument.

Sample Log-In Check List

Client Name:	**ATC**	Work Order Number:	**2103183**
Logged by:	**Clare Griggs**	Date Received:	**3/10/2021 4:47:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☑	No ☐	Not Present	☐
6.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No ☐	NA	☐
8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☑	No ☐	NA	☐
					HCL to 001B & 002B	
12.	Is there headspace in the VOA vials?	Yes	☐	No ☑	NA	☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified:	Elisabeth Silver	Date:	3/11/2021
By Whom:	Clare Griggs	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Confirming VPH reporting.		
Client Instructions:	Ranges only.		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	5.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 03-10-2021 Page: 1 of: 1

Laboratory Project No (internal): 2103183

Project Name: P66 Burien – AOC 2063

Special Remarks: No HCl preservative in containers during sample collection.

Project No: Z076000070

Client: ATC Group Services LLC

Address: 6347 Seaview Ave. NW

City, State, Zip: Seattle, WA 98107

Telephone: (206) 781-1449

Collected by: A. Degefa

Location: Burien, WA

Report To (PM): E. Silver

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: Elisabeth.Silver@atcgs.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	EPH	VPH			Comments
1	GW-13S	03/10/21	11:35	GW	4													X	X			
2	GW-14S	03/10/21	15:10	GW	4													X	X			
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x B. Goulet	B. Goulet	03/10/2021 16:22	x	Carter Johnson	3/10/21 @ 1647
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

APPENDIX B

FIELD REPORTS / GROUNDWATER GAUGING & SAMPLING LOGS

Field Report

FLD-100
Revision 1.0
6/1/2016

ATC Branch: Seattle - 10282	Date: 03-09-2021	Page 1 of 2
ATC Representative(s): B. Goulet / A. Degefa	Project: P66 - Burien AOC 2065	
Role: Field Geologist	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 20760000070	Task No: --
Scope of Work:	Weather: Cloudy	Temperature:
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
10:15	Arrive on-site — don Level D PPE. A. Degefa presents tailgate H&S meeting. Conduct site-walk thru and re-familiarize w/ site.
	MoB to paired wells MW-15 S/D. B. Goulet delineates exclusion zone.
10:55	Open well & gauge. Well under high pressure. DTW = 52.6. ATC observes that water level is rising — ATC will re-gauge when well is stable.
11:06	Gauge, DTW = 49.70. Set tubing in well (3' below dtw). ATC will conduct GWMS following low-flow SOP.
11:32	Begin purging GW-15D
* 12:00	Parameters stable, collect sample. Remove tubing / close well. Prepare to sample GW-15S.
12:20	Gauge GW-15S, DTW = 27.14.
12:40	Begin purging GW-15S.
* 13:00	Parameters stable, collect sample
13:20	Break for lunch
13:50	Return from lunch

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: 03-09-2021	Page 2 of
ATC Representative(s): A. Degefa / B. Goulet	Project: P66 Burien - AOC 2063	
Role: Field Geologist	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 2076000070	Task No: --
Scope of Work:	Weather: Cloudy	Temperature:
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
	MOB to paired wells GW-18S/D. B. Goulet delineates exclusion zone;
~~14:05~~	
14:05	A. Degefa gauges GW-18D, DTW = 78.05 — TD = 80.90 — ~~insufficient water for GW sampling.~~
11:10	Close well & open gauge GW-18S. DTW = 48.60 — TD = 49.20 — insufficient water for GW sampling.
	Prepare to sample GW-18D. Set pump in well — pump error msg: "dry run" — troubleshoot intake depth & re-test — pump gives 2 more "dry run" error msgs; determine that ~~th~~ water column is not large enough for purging / collecting sample. MOB to ~~MW~~ GW-10D.
14:57	Gauge GW-10D, DTW = 79.25.
15:35	Begin purging GW-10D
	Parameters stable, collect sample.
16:00	Break down equip. & mob offsite.

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: 03-10-2021	Page 1 of 2
ATC Representative(s): A. Degefa / B. Goulet	Project: R66 Burien - AOC 2063	
Role: Field Geologist	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 70760000070	Task No: --
Scope of Work:	Weather: Sunny	Temperature:
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
09:20	ATC arrives on site. Don level D PPE. A. Degefa presents daily tailgate. MOB to paired wells GW-13 S/D.
09:57	Gauge GW-13D, DTW = 76.9
	Prepare to begin purging GW-13D — ATC following low-flow SOP.
10:20	Begin purging GW-13D.
* 10:45	Parameters stable, collect sample
	Close well & prepare to gauge/sample GW-13 ~~DS~~
11:09	Gauge ~~13S~~ GW-13S.
11:15	Begin purging GW-13S
11:35	Parameters stable, collect sample.
	Break Close well & break down site equip.
12:00	Break for lunch — AD mob to ATC office for additional tubing
13:00	Return from lunch, MOB to paired wells GW-14S/D
13:30	open & gauge 14D, DTW = 73.20.
	Prepare to purge
1355	Begin purging GW-14D. Moderate product odor.
1425	Parameters stable, collect sample.

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: 03-10-2021	Page 2 of 2
ATC Representative(s): A. Degeta / B. Cioulet	Project: P66 Burien - AOC 2063	
Role: Field Geologist	Location: Burien, WA	
Contact Information: (206) 781-1449	Project No: 20760000 70	Task No: --
Scope of Work:	Weather: Sunny	Temperature:
X Monitoring ___ Assessment __ Remediation ___ Closure	Contractor: N/A	

Time:	Comments:
14:28	Open & gauge GW-145, DTW = 36.00. Strong odor at well.
14:45	Begin purging GW-145.
15:10	Parameters stable, collect sample.
15:25	Decon equip & break down site equip. dispose of purge water.
16:15	Mob off-site to Fremont Analytical.
17:00	Arrive back at office & unload vehicle
17:30	end of day.

BCG

Equipment Used:

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

Monitor Well Gauging Log

FLD-102
Revision 0.0
Jul-08

ATC Branch: Seattle - 10282
Date: 03-09-2021
Page 1 of 1

ATC Representative(s): A. Degefa / B. Goulet
Project: P66 Burien - AOC 2063

Location: Burien, WA

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

Weather: Cloudy
Temperature:

Water Level Meter Model/ID: EnviroTape
Interface Probe Model/ID:

Well ID	Casing Diameter (inches) / Type	Time of Well Cap Removal*	Time of Gauging*	Depth To LNAPL (feet)	Depth To Water (feet)	LNAPL Thickness (feet)	Total Well Depth (feet)	Other (DTW, DO, ORP, Temp, etc)
GW-10D	2"	14:55	14:57	—	79.25	—	~~93.10~~	
* GW-13S	2"	11:07	11:09	—	27.35	—	50.00	under pressure
* GW-13D	2"	0955	0957	—	76.9	—	85.4	
* GW-14S	2"	14:27	14:28	—	36.00	—	50.50	under pressure
* GW-14D	2"	1330	1338	—	73.20	—	80.20	under pressure
GW-15S	2"	12:19	12:20	—	27.14	—	45.00	"
GW-15D	2"	10:55	10:57	—	49.70	—	74.40	under high pressure
GW-18S	2"	14:09	14:10	—	48.60	—	49.20	insufficient water for GW sampling.
GW-18D	2"	14:04	14:05	—	78.05	—	80.90	"

Comments:

* - denotes ~~so~~ wells gauged on 03-10-2021

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

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

Contact Information: (206) 781-1449

Date: 3/9/21 | Page 1 of 1

Project: PBB-Burien

Location: 12660 1st Ave S, Seattle, WA

Project No: 70760000 70 | Task No:

Well ID: GW-10D

Weather: Rain/Cloudy | Temperature: 48°

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) 83'

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

Casing Volume Information

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

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

Purging Calculations

Casing Volumes (CV):

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

Monitoring Measurements

Depth to LNAPL (feet): —

Depth to Water (DTW)(feet): 79.25

LNAPL Thickness (ft): —

Total Well Depth (feet): 93.10

Water Column (WC)(feet): 14.85

Purging Start Time: 1535

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
1545	79.4	0.90	14.30	304	Cloudy	6.75	9.58	-86.1	—
1548	79.2	1.20	14.99	305	clear	6.89	9.54	-81.6	—
1551	78.9	1.30	15.10	305	clear	6.62	9.49	-79.9	—

Sample Data

Sample ID: GW-10D | Time of Sample:

Container Types, Volumes, & Quantities:

6-40ml VOAs

2-250ml PE

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

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):

Recovery Type: X Fast ____ Slow

Approximate Flow Rate (GPM): 130 ml / min.

% 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: 3/10/21	Page 1 of 1
ATC Representative(s): A. Degefa / B. Goulet.	Project: P66 - Burien	
	Location: 12660 1st Aves, Seattle, WA	
Contact Information: (206) 781-1449	Project No: Z0760000.70	Task No:
Well ID: GW-13D	Weather: Overcast	Temperature: 48°

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'

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): 85.4
Depth to Water (DTW)(feet): 76.9	Water Column (WC)(feet): 8.5
LNAPL Thickness (ft): —	Purging Start Time: 1020

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
1030	77.10	1.0	13.70	416	turbid	5.48	9.92	-53.3	—
1033	77.05	1.40	14.19	416	cloudy	5.30	9.86	-53.0	—
1038	77.05	1.50	14.27	416	clear	5.26	9.91	-53.5	—

Sample Data

Sample ID: GW-13D	Time of Sample: 1045	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): 450ml/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: 3/10/21	Page 1 of 1
ATC Representative(s): A. Deyett / B. Goulet	Project: P66 - Burien	
Contact Information: (206) 781-1449	Location: 12660 1st Ave S, Seattle, WA	
Well ID: GW-135	Project No: 70760000 70	Task No:
	Weather: Sun	Temperature: 49°

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) 31'

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): 50.0
Depth to Water (DTW)(feet): 27.35	Water Column (WC)(feet): 22.65
LNAPL Thickness (ft): —	Purging Start Time: 1115

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
1125	28.10	0.90	15.13	483	Clear	3.99	10.25	-69.1	—
1128	28.20	1.20	14.98	482	»	4.02	10.12	-71.9	—
1131	28.30	1.30	14.88	479	»	3.99	10.19	-77.8	—

Sample Data

Sample ID: GW-135	Time of Sample: 1135	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
6-40ml VOAs		NO	HCl	Gx, VOCs
2-250ml PE		NO/Lab Filtered	HNO3	Pb, Dissolved Pb

Well Recovery Data

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

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

Comments:

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: Seattle - 10282	Date: 3/10/21	Page of
ATC Representative(s): A. Degefa / B. Goulet	Project: P66 Burien	
	Location: 12660 1st Ave S, Seattle, WA	
Contact Information: (206) 781-1449	Project No: 70760000070	Task No:
Well ID: GW-14D	Weather: Sun	Temperature: 49°

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) 76.0

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):
Depth to Water (DTW)(feet): 73.20	Water Column (WC)(feet):
LNAPL Thickness (ft): —	Purging Start Time: 1355

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
1405	75.3	1.50	15.01	659	Clear	1.06	10.11	-137.0	—
1408	75.8	1.70	14.96	658	"	10.99	10.21	-139.7	—
1411	76.2	1.80	15.03	658	"	0.98	10.26	-143.1	—
1414	76.6	2.0	15.12	657	"	0.95	10.20	-145.8	—

Sample Data

Sample ID: GW-14D	Time of Sample: 1425	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:

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ATC Branch: Seattle - 10282
Date: 3/10/11
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ATC Representative(s): A. Degefa / B. Goulet
Project: P66 - Burien
Location: 12660 1st Ave S, Seattle, WA
Contact Information: (206) 781-1449
Project No: 70760000 70
Task No:

Well ID: GW-145

Weather: Sun
Temperature: 49°

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) 42

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): 50.5
Depth to Water (DTW)(feet): 36.0
Water Column (WC)(feet): 13.5
LNAPL Thickness (ft): —
Purging Start Time: 1445

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
1455	38.4	1.0	15.14	477	clear	0.41	10.21	-252	—
1458	38.7	1.2	15.21	480	"	0.41	10.24	-254.7	—
1501	39.0	1.3	15.15	483	"	0.43	10.13	-257.3	—

Sample Data

Sample ID: GW-145
Time of Sample: 1510

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

Well Recovery Data

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

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

Comments: Smell, under pressure

Monitoring Well Purging and Sampling Log

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ATC Branch: Seattle - 10282	Date: 3/9/2021	Page 1 of 1
ATC Representative(s): A. Degefa / B. Goulet	Project: P66 - Burien	
Contact Information: (206) 781-1449	Location: 12660 1st Ave S, Seattle, WA	
Well ID: GW-15D	Project No: Z07600070	Task No:
	Weather: Cloudy	Temperature: 48°

Purging & Sampling Instrumentation & Method

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

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

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 53.0

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

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): 74.40
Depth to Water (DTW)(feet): 49.70	Water Column (WC)(feet): 24.70
LNAPL Thickness (ft): /	Purging Start Time: 1132

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
1142	50.80	0.90	14.05	362	Cloudy	5.48	10.92	-99.0	—
1145	50.10	1.0	14.16	363	"	5.28	10.46	-102.6	—
1158	50.10	1.20	14.05	364	clear	5.30	10.42	-106.3	—

Sample Data

Sample ID: GW-15D	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 (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: GW level rising +3' since first gauged. Given the GW time to stabilize (~15 min)

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ATC Branch: Seattle - 10282	Date: 3/9/21	Page 1 of 1
ATC Representative(s): A. Degeit / B. Goulet	Project: P66-Burien	
	Location: 12660 1st Ave S, Seattle, WA	
Contact Information: (206) 781-1449	Project No: 707600070	Task No:
Well ID: GW-15S	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: Grundfos

3 Well Volumes ____ Low Flow X Micro Purge ____ Intake Depth (feet below TOC) 31

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

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

Monitoring Measurements

Depth to LNAPL (feet):	/	Total Well Depth (feet):	45.00
Depth to Water (DTW)(feet):	27.14	Water Column (WC)(feet):	17.86
LNAPL Thickness (ft):	/	Purging Start Time:	12:40

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
1250	28.65	0.90	15.72	680	Clear	0.62	11.10	-136.0	—
1253	29.10	1.10	15.71	693	"	0.63	11.14	-144.0	—
1256	29.10	1.20	15.72	696	"	0.64	11.10	-144.5	—
1259	29.10	1.30	15.70	698	"	0.64	11.11	-140.7	—

Sample Data

Sample ID: GW-15S	Time of Sample: 1300	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:

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ATC Branch: Seattle - 10282	Date: 3/9/21	Page 1 of 1
ATC Representative(s): A. Degefa / B. Gouveia.	Project: R66 - Burien	
Contact Information: (206) 781-1449	Location: 12600 1st Ave S, Seattle, WA	
	Project No: 20760000.70	Task No:
Well ID: GW-18D	Weather: Sun	Temperature: 490

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) 80.5'

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): 80.90
Depth to Water (DTW)(feet): 78.05	Water Column (WC)(feet): 2.85
LNAPL Thickness (ft): —	Purging Start Time: —

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other

Sample Data

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

Well Recovery Data

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

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

Comments: Not sufficient water to sample - Tried to purge well, no water could be pumped.

Monitoring Well Purging and Sampling Log

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ATC Branch: Seattle - 10282

Date: 3/9/21 | Page 1 of 1

ATC Representative(s): A. Degetta | B. Gouvet.

Contact Information: (206) 781-1449

Project: P66 - Burien

Location: 12660 1st Ave S, Seattle, WA

Project No: Z0760001.TW | Task No:

Well ID: GW-18S

Weather: Cloudy | Temperature: 49°

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: Grab

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

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

Casing Volume Information

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

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

Purging Calculations

Casing Volumes (CV):

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

Monitoring Measurements

Depth to LNAPL (feet): /

Depth to Water (DTW)(feet): 48.6

LNAPL Thickness (ft): /

Total Well Depth (feet): 49.2

Water Column (WC)(feet): 0.60

Purging Start Time:

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (uS/cm) (± 5%)	Turbidity NTU	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other

Sample Data

Sample ID: GW-18S | Time of Sample: — N.S

Container Types, Volumes, & Quantities:

6-40ml VOAs

2-250ml PE

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

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):

Approximate Flow Rate (GPM):

Recovery Type: ____ Fast ____ Slow

% Recovery =

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

Comments: No sufficient water to sample

APPENDIX C

NON-HAZARDOUS WASTE DOCUMENTATION

✓

JUN 22 '21 PM10:15

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	D359339/295475

GENERATOR

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: Advanced Chemical Transport Inc./DBA ACTenviro — U.S. EPA ID Number: CAR000070540

7. Transporter 2 Company Name: Clean Earth Specialty Waste Solutions — U.S. EPA ID Number: MNS000110924

8. Designated Facility Name and Site Address — U.S. EPA ID Number: WAD020257945
Burlington Environmental, LLC
1701 E Alexander Ave
Tacoma, WA 98421
Facility's Phone: 253-627-7568

9. Waste Shipping Name and Description	10. Containers No.	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	110	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Project Number 295475 Document#: D359339
1) 1730881-00 PHB- 1X20

52805

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	Signature	Month	Day	Year
Brianne Goulet for P66	B. Goulett	06	03	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

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1	Max Graham	[signature]	6	14	21
Transporter 2	Ashley Albue	[signature]	6	18	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	Signature	Month	Day	Year
Elsbeth Datar	[signature]	06	22	21