

TABLE 1

SUMMARY OF HISTORICAL ANALYTICAL SOIL DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST, LYNNWOOD, WASHINGTON

Sample ID	Consultant	Sample Date	Depth feet bgs	HYDROCARBONS			PRIMARY VOCs						LEAD	OXYGENATES	PAHs		PCBs
				TPHg ^a	TPHd	TPHo	B	T	E	X	EDB	EDC	Total	MTBE	Naphthalene	Total cPAHs ¹	PCBs
				30/100 (mg/kg)	2,000 (mg/kg)	2,000 (mg/kg)	0.03 (mg/kg)	7 (mg/kg)	6 (mg/kg)	9 (mg/kg)	0.005 (mg/kg)	N/A (mg/kg)	250 (mg/kg)	0.1 (mg/kg)	5 (mg/kg)	0.1 (mg/kg)	1 (mg/kg)
SW	Nowicki & Associates	08/22/95	6	---	<25	<50	---	---	---	---	---	---	---	---	---	---	---
WW	Nowicki & Associates	08/22/95	6	---	5,100	13,000	---	---	---	---	---	---	---	---	---	---	---
WW2	Nowicki & Associates	08/22/95	NR	---	---	---	<0.1	<0.1	<0.1	<0.3	---	<0.1	---	---	---	---	---
BOT	Nowicki & Associates	08/22/95	9	---	27	66	---	---	---	---	---	---	---	---	---	---	---
BOT2	Nowicki & Associates	08/24/95	12.5	---	<25	<50	---	---	---	---	---	---	---	---	---	---	---
WW4	Nowicki & Associates	08/24/95	10	---	<25	<50	---	---	---	---	---	---	---	---	---	---	---
SB-16"	Nowicki & Associates	08/24/95	1.33	---	1,400	5,200	---	---	---	---	---	---	---	---	---	---	---
SB-24" c	Nowicki & Associates	08/24/95	2	---	630	2,000	---	---	---	---	---	---	---	---	---	---	---
SB1-12.5' b	Nowicki & Associates	11/06/95	12.5	4,100	<50	<100	18	150	57	280	---	---	---	---	---	---	---
SB1-16'	Nowicki & Associates	11/06/95	16	<5	---	---	<0.1	<0.1	<0.1	<0.3	---	---	---	---	---	---	---
SB2-15'	Nowicki & Associates	11/06/95	15	640	---	---	2.4	15	7	33	---	---	---	---	---	---	---
GW1-17.5 a	Cambria Environmental Technology, Inc.	11/16/06	17.5	<3.54	<10.9	<27.2	0.16	0.34	<0.07	<0.21	<0.04	<0.04	1.48	<0.35	<0.0108	<0.0195	<0.0108
GW1-27.5 a	Cambria Environmental Technology, Inc.	11/16/06	27.5	4.54	<10.6	<26.4	0.14	0.38	<0.07	<0.21	<0.04	<0.04	0.962	<0.36	<0.0106	<0.0192	<0.0106
SB1-7.5	Cambria Environmental Technology, Inc.	11/16/06	7.5	4.51	<10.8	<27.1	0.14	0.42	<0.08	<0.24	<0.04	<0.04	1.71	<0.41	0.1138	<0.0195	<0.0108
SB1-12.5	Cambria Environmental Technology, Inc.	11/16/06	12.5	12.3	<11.4	<28.6	0.73	1.7	0.18	0.9	<0.04	<0.04	2.06	<0.39	0.0152	<0.0208	<0.0115
GW3-7.5 a	Cambria Environmental Technology, Inc.	11/16/06	7.5	1,820	63.3	<27.9	8.6	99	25	160	<0.04	<0.04	6.69	<0.40	5.86	<0.0201	<0.0111
GW3-17.5 a	Cambria Environmental Technology, Inc.	11/16/06	17.5	8.39	<11.1	<27.8	0.53	0.85	0.12	0.39	<0.04	<0.04	1.55	<0.39	<0.0111	<0.0201	0.109
GW2-12.5 a	Cambria Environmental Technology, Inc.	11/17/06	12.5	<3.68	<11.0	<27.4	0.02	<0.07	<0.07	<0.22	<0.04	<0.04	1.6	<0.37	<0.0111	<0.0201	<0.0111
GW2-17.5 a	Cambria Environmental Technology, Inc.	11/17/06	17.5	9.49	<11.2	<28.1	0.33	1	0.87	0.34	<0.04	<0.04	1.4	<0.43	<0.0113	<0.0205	<0.0113
GW4-7.5 a	Cambria Environmental Technology, Inc.	11/17/06	7.5	1,060	30.9	<26.8	0.48	12	8.2	54	<0.04	<0.04	2.35	<0.38	4.10	<0.0194	<0.0107
GW4-17.5 a	Cambria Environmental Technology, Inc.	11/17/06	17.5	8.57	<11.0	<27.5	0.24	0.44	<0.08	0.31	<0.04	<0.04	1.58	<0.38	<0.0110	<0.01991	<0.0110
GW5-7.5 a	Cambria Environmental Technology, Inc.	11/17/06	7.5	1,550	62.4	<26.9	0.97	24	14	90	<0.04	<0.04	4.64	<0.39	6.34	<0.0195	<0.0108
GW5-17.5 a	Cambria Environmental Technology, Inc.	11/17/06	17.5	23.9	<11.0	<27.5	0.09	0.52	0.19	0.9	<0.04	<0.04	1.33	<0.37	0.0127	<0.0201	<0.0111
MW6@15'	CRA	07/05/07	15	<3.95	---	---	<0.0158	<0.0790	<0.0790	<0.237	<0.0790	<0.0790	1.45	<0.39	---	---	---
MW6@20'	CRA	07/05/07	20	<3.54	---	---	0.0921	<0.0708	<0.0708	<0.212	<0.0708	<0.0708	1.93	<0.35	---	---	---
MW7@5'	CRA	07/05/07	5	<4.11	---	---	<0.0164	0.214	<0.0822	<0.247	<0.0822	<0.0822	2.34	<0.41	---	---	---
MW7@20'	CRA	07/05/07	20	<4.36	---	---	<0.0177	<0.0886	<0.0886	<0.266	<0.0886	<0.0886	1.85	<0.44	---	---	---
MW8@15'	CRA	07/05/07	15	834	---	---	2.91	30.9	7.76	49.7	<0.0789	<0.0789	3.29	<0.39	---	---	---
MW8@20'	CRA	07/05/07	20	<4.19	---	---	0.0486	0.161	<0.0838	<0.252	<0.0838	<0.0838	1.46	<0.42	---	---	---
MW9@10'	CRA	07/06/07	10	<0.0364	---	---	0.248	<0.0854	0.0854	<0.256	<0.0854	<0.0854	1.96	<0.43	---	---	---
MW9@20'	CRA	07/06/07	20	<3.72	---	---	0.104	<0.0744	<0.0744	0.327	<0.0744	<0.0744	1.29	<0.37	---	---	---
MW10@5'	CRA	07/06/07	5	8.16	---	---	0.119	0.359	<0.0756	<0.227	<0.0756	<0.0756	5.91	<0.38	---	---	---
MW10@20'	CRA	07/06/07	20	3.99	---	---	0.0532	0.102	0.131	<0.228	<0.0795	<0.0794	1.54	<0.40	---	---	---
SO-241739-051010-HB-SB-3-5.0	CRA	05/10/10	5	<0.20	<5.0	<5.0	<0.00083	<0.00083	<0.00083	<0.0017	---	---	---	---	---	---	---
SO-241739-051010-HB-SB-4-5.0	CRA	05/10/10	5	<0.24	6.1	47	<0.0010	0.0018	<0.0010	0.0020	---	---	---	---	---	---	---

MW3
MW4
MW-5

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 FORMER JIFFY LUBE FACILITY
 6808 196TH STREET SOUTHWEST, LYNNWOOD, WASHINGTON

Sample ID	Consultant	Sample Date	Depth feet bgs	HYDROCARBONS			PRIMARY VOCs						LEAD	OXYGENATES	PAHs		PCBs	
				TPHg ^a	TPHd	TPHo	B	T	E	X	EDB	EDC	Total	MTBE	Naphthalene	Total cPAHs ¹	PCBs	
				30/100 (mg/kg)	2,000 (mg/kg)	2,000 (mg/kg)	0.03 (mg/kg)	7 (mg/kg)	6 (mg/kg)	9 (mg/kg)	0.005 (mg/kg)	N/A (mg/kg)	250 (mg/kg)	0.1 (mg/kg)	5 (mg/kg)	0.1 (mg/kg)	1 (mg/kg)	
SO-241739-080614-JS-SB-5-2	CRA 2014	08/06/14	2	---	<3.98	<3.98	---	---	---	---	---	---	---	---	---	---	---	---
SO-241739-080614-JS-SB-5-5	CRA 2014	08/06/14	5	---	103	81.4	---	---	---	---	---	---	---	---	---	---	---	---
SO-241739-080614-JS-SB-5-8.5	CRA 2014	08/06/14	8.5	<9.60	4.53	28.8	<0.00181	<0.00181	<0.00181	<0.00271	<0.000904	<0.00181	---	<0.00181	<0.00356	0.0053756	---	---
SO-241739-080614-JS-SB-6-2	CRA 2014	08/06/14	2	---	<3.96	<3.96	---	---	---	---	---	---	---	---	---	---	---	---
SO-241739-080614-JS-SB-6-5	CRA 2014	08/06/14	5	---	<3.93	<3.93	---	---	---	---	---	---	---	---	---	---	---	---
SO-241739-080614-JS-SB-7-2	CRA 2014	08/06/14	2	---	4.56	14.5	---	---	---	---	---	---	---	---	---	---	---	---
SO-241739-080614-JS-SB-7-5	CRA 2014	08/06/14	5	---	15.5	29.5	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

- = Not analyzed
- All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
- Results in bold indicate an exceedance of the Model Toxics Control Act (MTCA) Method A cleanup level.
- bgs = below ground surface (in feet)
- Shaded soil sample locations were overexcavated per Nowicki (1995).
- TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx
- TPHd = Total petroleum hydrocarbons as diesel analyzed by NWTPH-Dx with silica gel cleanup
- TPHo = Total petroleum hydrocarbons as motor oil analyzed by NWTPH-Dx with silica gel cleanup
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) analyzed by EPA 8260B
- EDB = 1,2 Dibromoethane analyzed by EPA 8011
- EDC = 1,2 Dichloroethane analyzed by EPA 8260B
- MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
- TBA = Tertiary-butanol analyzed by EPA Method 8260B
- DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
- ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
- TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
- VOCs = Volatile organic compounds analyzed by EPA Method 8260B
- Total Lead analyzed by EPA Method 6020
- PAHs = polycyclic aromatic hydrocarbons by EPA Method 8270SIM
- cPAHs - carcinogenic PAHs
- PCBs = polychlorinated biphenyl by EPA Method 8082
- <x = Not detected at reporting limit x
- <x* = Not detected, reporting limit x was above MTCA screening level
- ND = Report indicates analyte not present above laboratory reporting limit (RL). RL was not provided in lab report.

a = soil sample was collected from the corresponding monitoring well location (e.g., GW1-27.5 was collected from monitoring well MW-1 at a depth of 27.5 feet bgs)
 b = Concentration of TPHd and TPHo reported using method WTPH-HCID.
 c = Concentration of TPHg reported using method WTPH-HCID.

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC Model Toxics Control Act Method A Cleanup Levels	DTW	SPH Thickness	GWE	HYDROCARBONS			PRIMARY VOCs				OXYGENATES					LEAD		
						TPHg	TPHd	TPHo	B	T	E	X	EDB	EDC	MTBE	TBA	DIPE	ETBE	TAME	Total
						800/1000 (ug/L)	500 (ug/L)	500 (ug/L)	5 (ug/L)	1000 (ug/L)	700 (ug/L)	1000 (ug/L)	0.01 (ug/L)	5 (ug/L)	20 (ug/L)	NE (ug/L)	NE (ug/L)	NE (ug/L)	NE (ug/L)	15 (ug/L)
MW-1	12/28/06	451.74	9.75	---	441.99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/29/06	451.74	9.57	---	442.17	42,100	<255	<510 m	9,190	2,140	1,090	4,100	---	---	---	---	---	---	---	---
MW-1	02/15/07	451.74	10.10	---	441.64	41,200	<269	<538 m	9,230	1,840	938	3,710	---	---	<5.00	54.6	<1.00	<1.00	<1.00	---
MW-1	04/06/07	451.74	10.71	---	441.03	30,200	<258	<515 m	7,450	732	718	2,310	---	---	---	---	---	---	---	---
MW-1	07/09/07	451.74	10.78	---	440.96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/28/07	451.74	11.01	---	440.73	5,850	<258	<515 m	2,400	32.4	131	190	---	---	---	---	---	---	---	---
MW-1	10/01/07	451.74	13.98	---	437.76	23,900	1,540 f,g	<105	6,270	196	653	1,340	---	---	---	---	---	---	---	---
MW-1	01/10/08	451.74	9.43	---	442.31	73,000	<243	<485	16,500	4,010	1,610	6,790	---	---	---	---	---	---	---	---
MW-1	07/10/08	451.74	10.81	---	440.93	800	1,400	<300	280	13	2	33	---	---	---	---	---	---	---	---
MW-1	01/06/09	451.74	10.16	---	441.58	<100	190	<380	1	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---
MW-1 *	07/13/09	451.74	11.14	---	440.60	7,500	2,800 j	<100	1,200	60	220	470	<0.010	<0.29	---	---	---	---	---	3.33
MW-1	07/29/10	451.74	11.10	---	440.64	---	320 j	110	32	2.9	17	48	---	---	---	---	---	---	---	---
MW-1	01/20/11	451.74	9.59	---	442.15	---	2,550 p	725 q	13,400	3,950	1,700	7,240	---	---	<1.00	132	<1.00	<1.00	<1.00	---
MW-1	11/07/12	451.74	12.26	---	439.48	16,700	1,460	163	4,880	361	525	1,530	---	---	---	---	---	---	---	---
MW-1	04/30/13	451.74	7.52	---	444.22	7,300	1,600	818	1,590	100	374	445	---	---	---	---	---	---	---	---
MW-1	10/24/13	451.74	12.31	---	439.43	445	898	172	28.8	<1.00	7.91	7.82	---	---	---	---	---	---	---	---
MW-2	12/28/06	450.59	7.26	---	443.33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/29/06	450.59	7.35	---	443.24	2,640	<253	<505 m	21.7	6.75	55.1	9.91	---	---	---	---	---	---	---	---
MW-2	02/15/07	450.59	8.03	---	442.56	249	<278	<556 m	2.06	<0.500	4.36	<1.00	---	---	<5.00	<50.0	<1.00	<1.00	<1.00	---
MW-2	04/06/07	450.59	8.50	---	442.09	180	<258	<515 m	1.83	0.518	2.61	<1.00	---	---	---	---	---	---	---	---
MW-2	07/09/07	450.59	8.62	---	441.97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	07/28/07	450.59	8.96	---	441.63	3,200	<255	<510 m	66.1	7.86	137	20.4	---	---	---	---	---	---	---	---
MW-2	10/01/07	450.59	12.54	---	438.05	3,980	1,080 g,h	<105	175	13.7	331	47.4	---	---	---	---	---	---	---	---
MW-2	01/10/08	450.59	7.88	---	442.71	5,000	<243	<485	214	9.85	502	71.0	---	---	---	---	---	---	---	---
MW-2	07/10/08	450.59	9.98	---	440.61	540	<500	<200	4.9	<1	9.4	<1	---	---	---	---	---	---	---	---
MW-2	01/06/09	450.59	8.18	---	442.41	9,200	<100	<100	390	16	840	62.0	---	---	<10	<100	<20	<20	<20	---
MW-2	07/13/09	450.59	10.66	---	439.93	320	210 j	<100	3.8	<1.0	3.3	<1.0	<0.010	<0.50	---	---	---	---	---	<1.00
MW-2	07/29/10	450.59	10.31	---	440.28	---	200 j	<100	2.1	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---
MW-2	01/20/11	450.59	7.11	---	443.48	---	689 r	402 q	25.1	<1.00	54.4	5.42	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---
MW-2	11/07/12	450.59	11.12	---	439.47	4,070	757	<94.3	228	4.99	125	40.3	---	---	---	---	---	---	---	---
MW-2	04/30/13	450.59	7.21	---	443.38	<100	261	198	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-2	10/24/13	450.59	11.93	---	438.66	2,350	527	181	61.3	1.03	6.49	3.52	---	---	---	---	---	---	---	---
MW-3	12/28/06	451.69	8.45	---	443.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/29/06	451.69	8.51	---	443.18	171,000	608	<510 m	28,500	29,200	2,950	15,900	---	---	---	---	---	---	---	---
MW-3	02/15/07	451.69	9.09	---	442.60	263,000 a, b	2,580 c	<2,750 m	29,200	37,400	3,140	18,600	---	---	<500 m	<5,000	<100	<100	<100	---
MW-3	04/06/07	451.69	9.66	---	442.03	214,000	867 c	<495	26,600	37,500	2,850	16,800	---	---	---	---	---	---	---	---
MW-3	07/09/07	451.69	9.81	---	441.88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/28/07	451.69	10.13	---	441.56	248,000	8,340 e	<5.050 m	28,600	37,400	2,810	12,800	---	---	---	---	---	---	---	---
MW-3	10/01/07	451.69	13.96	---	437.73	252,000	185,000 g,h	<10,500 m	29,300	35,200	3,260	19,300	---	---	---	---	---	---	---	---
MW-3	01/10/08	451.69	9.34	0.02	442.37 d	NOT SAMPLED - SPH PRESENT				---	---	---	---	---	---	---	---	---	---	---
MW-3	01/14/08	451.69	9.06	---	442.63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/21/08	451.69	8.27	---	443.42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/26/08	451.69	8.40	0.01	443.30 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/10/08	451.69	9.02	0.02	442.69 d	NOT SAMPLED - SPH PRESENT				---	---	---	---	---	---	---	---	---	---	---

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC	DTW	SPH Thickness	GWE	HYDROCARBONS			PRIMARY VOCs					OXYGENATES					LEAD Total	
						TPHg 800/1000 (ug/L)	TPHd 500 (ug/L)	TPHo 500 (ug/L)	B 5 (ug/L)	T 1000 (ug/L)	E 700 (ug/L)	X 1000 (ug/L)	EDB 0.01 (ug/L)	EDC 5 (ug/L)	MTBE 20 (ug/L)	TBA NE (ug/L)	DIPE NE (ug/L)	ETBE NE (ug/L)		TAME NE (ug/L)
MW-3	08/26/08	451.69	9.55	0.02	442.16 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/22/08	451.69	10.00	0.03	441.71 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/06/09	451.69	8.47	0.02	443.24 d	NOT SAMPLED - SPH PRESENT														
MW-3	07/29/10	451.69	9.21	0.03	442.50 d	NOT SAMPLED - SPH PRESENT														
MW-3	01/20/11	451.69	7.60	---	444.09 d	---	87,800 r	7,690 s	12,100	23,200	3,020	19,700	---	---	<1.00	101	1.24	<1.00	<1.00	---
MW-3	11/07/12	451.69	11.28	0.15	440.53 d	NOT SAMPLED - SPH PRESENT														
MW-3	04/30/13	451.69	7.16	0.02	444.55	NOT SAMPLED - SPH PRESENT														
MW-3	10/24/13	451.69	11.63	0.25	440.26	NOT SAMPLED - SPH PRESENT														
MW-4	12/28/06	452.01	9.41	---	442.60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/29/06	452.01	9.36	---	442.65	207,000	1,810	<510 m	32,400	39,700	3,200	18,800	---	---	---	---	---	---	---	---
MW-4	02/15/07	452.01	9.96	---	442.05	253,000 a, b	72,100 c	<50,000 m	31,500 a, b	40,500 a, b	2,990 a, b	18,100 a, b	---	---	<500 m	<5,000	<100	<100	<100	---
MW-4	04/06/07	452.01	10.41	0.04	441.63 d	NOT SAMPLED - SPH PRESENT														
MW-4	07/09/07	452.01	10.47	0.03	441.56 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/28/07	452.01	10.81	0.04	441.23 d	NOT SAMPLED - SPH PRESENT														
MW-4	10/01/07	452.01	14.24	0.13	437.87 d	NOT SAMPLED - SPH PRESENT														
MW-4	11/12/07	452.01	13.83	0.16	438.31 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/20/07	452.01	13.68	0.14	438.44 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/26/07	452.01	13.52	0.11	438.58 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/08/07	452.01	12.87	0.10	439.22 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/14/08	452.01	12.41	0.07	439.66 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/19/07	452.01	12.33	0.05	439.72 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/28/07	452.01	12.24	0.04	439.80 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/10/08	452.01	9.61	0.03	442.42 d	NOT SAMPLED - SPH PRESENT														
MW-4	01/14/08	452.01	9.23	0.02	442.80 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/21/08	452.01	8.07	0.03	443.96 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/26/08	452.01	9.03	0.03	443.00 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/10/08	452.01	9.71	0.14	442.41 d	NOT SAMPLED - SPH PRESENT														
MW-4	08/26/08	452.01	10.52	0.24	441.68 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/22/08	452.01	11.01	0.34	441.27 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/06/09	452.01	9.24	0.02	442.79 d	NOT SAMPLED - SPH PRESENT														
MW-4	07/29/10	452.01	9.81	0.02	442.22 d	NOT SAMPLED - SPH PRESENT														
MW-4	01/20/11	452.01	8.11	---	443.90 d	---	313,000 t	<9,520 m	12,800	28,700	3,180	21,200	---	---	<1.00	61.8	<1.00	<1.00	<1.00	---
MW-4	11/07/12	452.01	11.98	0.15	440.15 d	NOT SAMPLED - SPH PRESENT														
MW-4	04/30/13	452.01	7.68	0.03	444.35	NOT SAMPLED - SPH PRESENT														
MW-4	10/24/13	452.01	12.05	0.22	440.14	NOT SAMPLED - SPH PRESENT														
MW-5	12/28/06	451.38	8.11	---	443.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/29/06	451.38	8.17	---	443.21	122,000	603	<515 m	7,220	24,400	2,280	13,200	---	---	---	---	---	---	---	---
MW-5	02/15/07	451.38	8.49	---	442.89	771,000 a, b	49,200 c	<5,000 m	12,800 a, b	43,600 a, b	6,000 a, b	40,700 a, b	---	---	<500 m	<5,000	<100	<100	<100	---
MW-5	04/06/07	451.38	9.08	0.03	442.32 d	NOT SAMPLED - SPH PRESENT														
MW-5	07/09/07	451.38	9.19	0.03	442.21 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/28/07	451.38	9.58	0.04	441.83 d	NOT SAMPLED - SPH PRESENT														
MW-5	10/01/07	451.38	13.16	0.08	438.28 d	NOT SAMPLED - SPH PRESENT														
MW-5	11/12/07	451.38	12.74	0.06	438.69 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	11/20/07	451.38	12.55	0.08	438.89 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC	DTW	SPH Thickness	GWE	HYDROCARBONS			PRIMARY VOCs					OXYGENATES					LEAD Total 15 (ug/L)	
						TPHg	TPHd	TPHo	B	T	E	X	EDB	EDC	MTBE	TBA	DIPE	ETBE		TAME
						800/1000 (ug/L)	500 (ug/L)	500 (ug/L)	5 (ug/L)	1000 (ug/L)	700 (ug/L)	1000 (ug/L)	0.01 (ug/L)	5 (ug/L)	20 (ug/L)	NE (ug/L)	NE (ug/L)	NE (ug/L)		NE (ug/L)
MW-5	11/26/07	451.38	12.48	0.06	438.95 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/05/07	451.38	11.74	0.10	439.72 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/14/07	451.38	11.53	0.06	439.90 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/19/07	451.38	11.41	0.04	440.00 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/28/07	451.38	11.29	0.04	440.12 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/10/08	451.38	8.70	0.02	442.70 d	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/14/08	451.38	8.70	---	442.68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/21/08	451.38	8.00	0.20	443.54 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/26/08	451.38	8.02	0.17	443.50 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/10/08	451.38	8.68	0.34	442.97 d	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/26/08	451.38	8.86	0.26	442.73 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/22/08	451.38	9.18	0.20	442.36 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/06/09	451.38	7.80	0.02	443.60 d	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/29/10	451.38	8.72	0.02	442.68 d	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/20/11	451.38	7.22	0.00	444.16 d	---	327,000 t	10,900 s	3,710	16,200	2,690	15,800	---	---	<1.00	45.4	<1.00	<1.00	<1.00	---
MW-5	11/07/12	451.38	11.05	0.49	440.72 d	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/30/13	451.38	6.38	0.15	445.12	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-5	10/24/13	451.38	10.83	0.36	440.84	NOT SAMPLED - SPH PRESENT			---	---	---	---	---	---	---	---	---	---	---	---
MW-6	07/09/07	449.40	8.33	---	441.07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	07/28/07	449.40	8.61	---	440.79	52.4	<253	<505 m	<0.500	1.25	<0.500	<1.00	---	---	---	---	---	---	---	---
MW-6	10/01/07	449.40	12.22	---	437.18	<250	<105	<105	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-6	01/10/08	449.40	7.86	---	441.54	<50.0	<250	<500	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---	---	---	---
MW-6	07/10/08	449.40	7.87	---	441.53	<50	<500	<200	<1	<1	<1	<1	---	---	---	---	---	---	---	---
MW-6	01/06/09	449.40	6.10	---	443.30	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---
MW-6	07/13/09	449.40	8.47	---	440.93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1.00
MW-6	07/29/10	449.40	8.17	---	441.23	---	<100	190	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---
MW-6	01/20/11	449.40	5.71	---	443.69	---	201 s	472 s	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---
MW-6	11/07/12	449.40	9.12	---	440.28	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-6	04/30/13	449.40	5.22	---	444.18	<100	97.8	<93.5	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-6	10/24/13	449.40	9.81	---	439.59	<100	124	123	<1.00	<1.00	<1.00	<2.00	---	---	---	---	---	---	---	---
MW-7	07/09/07	450.14	7.81	---	442.33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	07/28/07	450.14	8.03	---	442.11	<50.0	<253	<495	<0.500	<0.500	<0.500	<1.00	---	---	---	---	---	---	---	---
MW-7	10/01/07	450.14	11.71	---	438.43	<250	<111	<111	1.78	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-7	01/10/08	450.14	7.32	---	442.82	51.2	<250	<500	68.4	1.26	79.7	110	---	---	---	---	---	---	---	---
MW-7	07/10/08	450.14	7.27	---	442.87	<50	<500	<200	<1	<1	<1	<1	---	---	---	---	---	---	---	---
MW-7	01/06/09	450.14	7.07	---	443.07	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---
MW-7	07/13/09	450.14	7.70	---	442.44	---	---	---	2.7	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	<1.00
MW-7	07/29/10	450.14	7.69	---	442.45	---	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---
MW-7	01/20/11	450.14	5.40	---	444.74	---	119 u	174 u	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---
MW-7	11/07/12	450.14	8.98	---	441.16	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-7	04/30/13	450.14	5.21	---	444.93	<100	115	<93.5	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-7	10/24/13	450.14	9.35	---	440.79	<100	<93.5	106	<1.00	<1.00	<1.00	<2.00	---	---	---	---	---	---	---	---
MW-8	07/09/07	451.31	8.63	---	442.68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC Model Toxics Control Act Method A Cleanup Levels	DTW	SPH Thickness	GWE	HYDROCARBONS			PRIMARY VOCs					OXYGENATES					LEAD Total 15 (ug/L)	
						TPHg 800/1000 (ug/L)	TPHd 500 (ug/L)	TPHo 500 (ug/L)	B 5 (ug/L)	T 1000 (ug/L)	E 700 (ug/L)	X 1000 (ug/L)	EDB 0.01 (ug/L)	EDC 5 (ug/L)	MTBE 20 (ug/L)	TBA NE (ug/L)	DIPE NE (ug/L)	ETBE NE (ug/L)		TAME NE (ug/L)
MW-8	07/28/07	451.31	8.97	---	442.34	266,000	8,580 e	<5,210 m	20,500	43,600	3,550	23,000	---	---	---	---	---	---	---	---
MW-8	10/01/07	451.31	12.58	---	438.73	181,000	6,540 g, i	<1,110 m	18,000	32,000	2,250	14,900	---	---	---	---	---	---	---	---
MW-8	01/10/08	451.31	8.16	---	443.15	202,000	9,190 c	<4,850 m	13,400	29,600	2,200	14,000	---	---	---	---	---	---	---	---
MW-8	07/10/08	451.31	8.14	0.01	443.18 d	NOT SAMPLED - SPH PRESENT					---	---	---	---	---	---	---	---	---	---
MW-8	08/26/08	451.31	8.30	0.02	443.03 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/22/08	451.31	8.80	0.01	442.52 d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	01/06/09	451.31	7.90	---	443.41	22,000	6,900	440	2,700	6,300	390	4,300	---	---	<20	<200	<40	<40	<40	---
MW-8	07/29/10	451.31	7.92	---	443.39	---	5,300 j	2,000 j	18,000	40,000	17,000	110,000	---	---	---	---	---	---	---	---
MW-8	01/20/11	451.31	7.73	---	443.58	---	6,570 r	1,550 s	13,800	31,500	3,290	21,900	---	---	<1.00	128	<1.00	<1.00	<1.00	---
MW-8	11/07/12	451.31	10.07	---	441.24	75,300	3,160	<94.3	7,630	15,200	1,140	6,120	---	---	---	---	---	---	---	---
MW-8	04/30/13	451.31	7.56	---	443.75	103,000	3,820	309	8,830	29,400	1,950	11,200	---	---	---	---	---	---	---	---
MW-8	10/24/13	451.31	10.44	0.17	441.01	NOT SAMPLED - SPH PRESENT					---	---	---	---	---	---	---	---	---	---
MW-9	07/09/07	451.75	10.83	---	440.92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/28/07	451.75	11.02	---	440.73	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	---	---	---	---	---	---	---	---
MW-9	10/01/07	451.75	14.07	---	437.68	299	174 f,g	<111	5.52	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-9	01/10/08	451.75	9.76	---	441.99	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---	---	---	---
MW-9	07/10/08	451.75	9.71	---	442.04	<50	<500	<1,000 m	<1	<1	<1	<1	---	---	---	---	---	---	---	---
MW-9	01/06/09	451.75	9.35	---	442.40	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---
MW-9	07/13/09	451.75	9.94	---	441.81	---	---	---	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	<1.00
MW-9	07/29/10	451.75	9.80	---	441.95	---	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---
MW-9	01/20/11	451.75	8.81	---	442.94	---	141 s	463 s	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---
MW-9	11/07/12	451.75	12.41	---	439.34	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-9	04/30/13	451.75	6.82	---	444.93	<100	<93.5	<93.5	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---
MW-9	10/24/13	451.75	12.18	---	439.57	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<2.00	---	---	---	---	---	---	---	---
MW-10	07/09/07	451.43	12.44	---	438.99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	07/28/07	451.43	12.77	---	438.66	6,570	307 c	<505 m	299	179	237	615	---	---	---	---	---	---	---	---
MW-10	10/01/07	451.43	14.87	---	436.56	27,100	1,820 g,i	<556 m	1,510	1,220	1,210	2,650	---	---	---	---	---	---	---	---
MW-10	01/10/08	451.43	10.52	---	440.91	11,400	<248	<495	316	237	842	604	---	---	---	---	---	---	---	---
MW-10	07/10/08	451.43	11.69	---	439.74	1,400	<500	<1,000 m	1,400	1,200	710	2,310	---	---	---	---	---	---	---	---
MW-10	01/06/09	451.43	10.11	---	441.32	29,000	120	<100	4,800	1,400	1,800	5,100	---	---	<10	<100	<20	<20	<20	---
MW-10 *	07/13/09	451.43	12.31	---	439.12	4,800	<100	<100	1,600	260	190	1,000	<0.010	<1.5	---	---	---	---	---	1.02
MW-10	07/29/10	451.43	11.86	---	439.57	---	<100	<100	240	9.9	45	89	---	---	---	---	---	---	---	---
MW-10	01/20/11	451.43	8.12	---	443.31	---	707 r	394 q	938	16.6	108	115	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---
MW-10	11/07/12	451.43	12.13	---	439.30	17,300	2,710	<94.3	5,920	78.3	594	1,060	---	---	---	---	---	---	---	---
MW-10	04/30/13	451.43	8.87	---	442.56	590	346	148	48.1	1.22	15.1	21.4	---	---	---	---	---	---	---	---
MW-10	10/24/13	451.43	13.39	---	438.04	6,890	2,080	109	5,630	188	582	1,230	---	---	---	---	---	---	---	---
SB-3 n	05/10/10	---	---	0.00	---	360	1,600 j	<100	170	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---
SB-4 n	05/10/10	---	---	0.00	---	180	2,400 j	<100	<0.5	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---

Notes:

DTW = Depth to Water in feet

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
 FORMER JIFFY LUBE FACILITY
 6808 196TH STREET SOUTHWEST,
 LYNNWOOD, WASHINGTON

Sample ID	Date	TOC Model Toxics Control Act Method A Cleanup Levels	DTW	SPH Thickness	GWE	HYDROCARBONS			PRIMARY VOCs				OXYGENATES				LEAD
						TPHg 800/1000 (ug/L)	TPHd 500 (ug/L)	TPHo 500 (ug/L)	B 5 (ug/L)	T 1000 (ug/L)	E 700 (ug/L)	X 1000 (ug/L)	EDB 0.01 (ug/L)	EDC 5 (ug/L)	MTBE 20 (ug/L)	TBA NE (ug/L)	DIPE NE (ug/L)

GWE = Groundwater Elevation in feet above mean sea level
 TOC = Top of Casing in feet above mean sea level
 SPH = Separate Phase Hydrocarbons
 MTCA = Model Toxics Control Act
 All results in micrograms per liter (µg/L) unless otherwise indicated.
 TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx unless otherwise noted. The higher value is based on the assumption that no benzene is present in the groundwater sample. If any detectable amount of benzene is present in the groundwater sample, then the lower TPHg cleanup level is applicable.
 TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted.
 TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted.
 VOCs = Volatile organic compounds
 BTEX = Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B unless otherwise noted.
 Xylenes = o-xylene + m,p-xylene
 MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
 EDB = 1,2-Dibromoethane analyzed by EPA Method 8011
 EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B
 TBA = Tertiary-butanol analyzed by EPA Method 8260B
 DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
 ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
 TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
 Total Lead analyzed by EPA Method 6020 unless otherwise noted.
 <x = Not detected at laboratory reporting limit x
 NE = Not established
 --- = Not analyzed
 Concentrations in bold type indicate the analyte was detected above MTCA Method A cleanup levels

a = Due to multiple re-shots required for re-analysis, the aliquot of sample analyzed on the instrument was taken from a VOA vial containing headspace.
 b = Sample container contained headspace
 c = Results reported in the diesel organics range are primarily due to overlap from a gasoline-range product.
 d = Groundwater elevation formula adjusted for the presence of SPH: (TOC - DTW)+ (SPHT*0.80)
 e = Hydrocarbon pattern most closely resembles a blend of gasoline and diesel.
 f = The primary contamination elutes between C8 and C28, which is in the diesel range.
 g = The contamination did not match any standard in our library.
 h = The primary contamination elutes between C8 and C14, which is in the mineral spirits range.
 i = The primary contamination elutes between C8 and C16, which is in the kerosene range.
 j = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard.
 m = The laboratory reporting limit exceeded the MTCA Method A cleanup level.
 n = Grab groundwater sample taken from temporary well. Sample ID is abbreviated from GW-241739-051010-HB-[Unique ID].
 p = The hydrocarbon pattern most closely resembles a gasoline & diesel product.
 q = The hydrocarbon pattern most closely resembles a diesel product.
 r = The hydrocarbon pattern most closely resembles a gasoline product.
 s = The contamination did not match any standards in the laboratory's library.
 t = The hydrocarbon pattern most closely resembles a gasoline & mineral spirits product.
 u = There was insufficient contamination present to perform a pattern match.

* = Sample also analyzed for one or more of the following: carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270C-SIM, polychlorinated biphenyls (PCBs) by EPA Method 8082, and halogenated volatile organic compounds (HVOCs) by EPA Method 8260B. For those constituents analyzed, no concentrations exceeded the laboratory MDL. Please see applicable laboratory report(s) for more information.

