Appendix C

Table C1-1: Analyte List and Summary

Analyte	Detected	Units	Min	Average	Max	MCL	Number Analyzed	Number Detected	Freq. of Detection	Number >MCL	Freq. Exceed MCL
Inorganics											
Metals											
Aluminum	yes	mg/L	< 0.013	40.6	920		27	6	22%		
Antimony	yes	µg/L	< 0.087	0.56	2.6	6	27	15	56%	0	0%
Arsenic	yes	µg/L	0.57	8.9	70	10	27	27	100%	5	19%
Barium	yes	µg/L	19	244.2	1900	2000	27	27	100%	0	0%
Beryllium	yes	µg/L	< 0.037	2.2	24	4	27	8	30%	4	15%
Boron	yes	mg/L	0.32	1.8	3.7		27	27	100%		
Cadmium	yes	µg/L	< 0.018	0.98	18	5	27	11	41%	1	4%
Calcium	yes	mg/L	46	229.6	680		27	27	100%		
Chromium, Total	yes	µg/L	0.56	28.6	390	100	27	27	100%	2	7%
Cobalt	yes	µg/L	0.59	75.9	1400		27	27	100%		
Copper	yes	µg/L	1	130.6	1300	1300	27	27	100%	1	4%
Iron	yes	mg/L	< 0.003	105.46	1400		27	23	85%		
Lead	yes	µg/L	< 0.023	4.7	67	150	27	11	41%	0	0%
Magnesium	yes	mg/L	7.4	117.8	800		27	27	100%		
Manganese	yes	µg/L	130	4483.3	54000		27	27	100%		
Mercury	yes	µg/L	< 0.025	0.08	0.96	2	19	7	37%	0	0%
Molybdenum	yes	µg/L	11	109.6	1000		27	27	100%		
Nickel	yes	µg/L	1.8	69.2	1100	100	27	27	100%	3	11%
Potassium	yes	mg/L	5.4	19.1	130		27	27	100%		
Selenium	yes	µg/L	1.1	25.2	290	50	27	27	100%	3	11%
Silver	yes	µg/L	< 0.018	0.13	2.5		27	6	22%		
Sodium	yes	mg/L	52	278.7	530		27	27	100%		
Thallium	yes	µg/L	< 0.016	0.13	1.5	2	27	16	59%	0	0%
Vanadium	yes	µg/L	0.26	29.0	340		27	27	100%		
Zinc	yes	µg/L	< 1.6	180.1	3700		27	19	70%		
Radionuclides											
Radium-226	yes	pCi/L	< 0.2	0.44	3.8	5	27	9	33%	0	0%
Radium-228	yes	pCi/L	< 1	1.17	6.2	5	27	5	19%	3	11%
Thorium	yes	mg/L	< 0.001	0.002	0.025		27	4	15%		
Uranium	yes	mg/L	0.0003	0.095	0.81	0.03	27	27	100%	15	56%
Water Chemistry											
Hardness (As CaCO3)	yes	mg/L	160	2141	26000		27	27	100%		
pH	yes	pH units	5.95	7.32	7.99		27	27	100%		
Sulfate (As SO4)	yes	mg/L	6.9	1132	5300		27	27	100%		
Total Dissolved Solids	yes	mg/L	440	2266	8400		27	27	100%		

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Table C1-1: Analyte List and Summary

Analyte	Detected	Units	Min	Average	Max	MCL	Number Analyzed	Number Detected	Freq. of Detection	Number >MCL	Freq. Exceed MCL
Organics											
VOCs											
1,1,1,2-Tetrachloroethane		µg/L	< 0.087	0.09	< 0.087		27	0	0%		
1,1,1-Trichloroethane		µg/L	< 0.092	0.09	< 0.092	200	27	0	0%	0	0%
1,1,2,2-Tetrachloroethane		µg/L	< 0.26	0.26	< 2.6		27	0	0%		
1,1,2-Trichloroethane	yes	µg/L	< 0.054	0.12	1.9	5	27	2	7%	0	0%
1,1-Dichloroethane		µg/L	< 0.21	0.20	< 2.1		27	0	0%		
1,1-Dichloroethene	yes	µg/L	< 0.13	0.18	0.46	7	27	5	19%	0	0%
1,1-Dichloropropene		µg/L	< 0.11	0.11	< 1.1		27	0	0%		
1,2,3-Trichlorobenzene	yes	µg/L	< 0.12	0.14	1.2		27	1	4%		
1,2,3-Trichloropropane		µg/L	< 0.083	0.08	< 0.083		27	0	0%		
1,2,4-Trichlorobenzene		µg/L	< 0.23	2.38	< 26	70	27	0	0%	0	0%
1,2,4-Trimethylbenzene	yes	µg/L	< 0.11	3.48	64		27	6	22%		
1,2-Dibromo-3-Chloropropane		µg/L	< 0.41	0.40	< 4.1	0.2	27	0	0%	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	yes	µg/L	< 0.19	0.20	0.45		27	1	4%		
1,2-Dichlorobenzene		µg/L	< 0.076	2.30	< 26		27	0	0%		
1,2-Dichloroethane	yes	µg/L	< 0.093	3.66	77	5	27	6	22%	3	11%
1,2-Dichloropropane	yes	µg/L	< 0.06	0.08	0.9	5	27	1	4%	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	yes	µg/L	< 0.088	0.99	19		27	4	15%		
1,3-Dichlorobenzene		µg/L	< 0.082	2.42	< 27		27	0	0%		
1,3-Dichloropropane		µg/L	< 0.076	0.07	< 0.76		27	0	0%		
1,4-Dichlorobenzene		µg/L	< 0.098	2.32	< 26		27	0	0%		
2,2-Dichloropropane		µg/L	< 1.5	1.47	< 15		27	0	0%		
2-Chlorotoluene		µg/L	< 0.05	0.05	< 0.5		27	0	0%		
4-Chlorotoluene		µg/L	< 0.086	0.08	< 0.86		27	0	0%		
Benzene	yes	µg/L	< 0.064	39.2	660	5	27	17	63%	5	19%
Bromobenzene		µg/L	< 0.09	0.09	< 0.9		27	0	0%		
Bromochloromethane		µg/L	< 0.089	0.09	< 0.89		27	0	0%		
Bromodichloromethane		µg/L	< 0.15	0.15	< 1.5		27	0	0%		
Bromoform		µg/L	< 0.13	0.13	< 1.3		27	0	0%		
Bromomethane		µg/L	< 0.2	0.23	< 2.0		27	0	0%		
Carbon Tetrachloride	yes	µg/L	< 0.069	0.10	0.8	5	27	3	11%	0	0%
Chlorobenzene		µg/L	< 0.065	0.06	< 0.65	100	27	0	0%	0	0%
Chloroethane	yes	µg/L	< 0.22	0.22	0.24		27	1	4%		
Chloroform	yes	µg/L	< 0.12	0.26	1.8		27	8	30%		
Chloromethane		µg/L	< 0.26	0.26	< 2.6		27	0	0%		
cis-1,2-Dichloroethylene		µg/L	< 0.075	0.07	< 0.75	70	27	0	0%	0	0%
Dibromochloromethane		µg/L	< 0.089	0.09	< 0.89	5	27	0	0%	0	0%
Dibromomethane		µg/L	< 0.099	0.10	< 0.99		27	0	0%		
Dichlorodifluoromethane		µg/L	< 0.11	0.11	< 1.1		27	0	0%		
Ethylbenzene	yes	µg/L	< 0.087	1.60	40	700	27	4	15%	0	0%
Hexachlorobutadiene		µg/L	< 0.21	2.58	< 28		27	0	0%		

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Table C1-1: Analyte List and Summary

Analyte	Detected	Units	Min	Average	Max	MCL	Number Analyzed	Number Detected	Freq. of Detection	Number >MCL	Freq. Exceed MCL
Isopropylbenzene (Cumene)	yes	µg/L	< 0.064	0.34	5.3		27	3	11%		
Methylene Chloride	yes	µg/L	< 0.056	0.22	1.6		27	5	19%		
Naphthalene	yes	µg/L	< 0.08	5.26	56		27	3	11%		
n-Butylbenzene		µg/L	< 0.15	0.15	< 1.5		27	0	0%		
n-Propylbenzene	yes	µg/L	< 0.097	0.42	8.6		27	1	4%		
p-Cymene (p-Isopropyltoluene)	yes	µg/L	< 0.079	0.17	2.5		27	1	4%		
sec-Butylbenzene		µg/L	< 0.09	0.09	< 0.9		27	0	0%		
Styrene	yes	µg/L	< 0.11	0.32	4.4	100	27	4	15%	0	0%
T-Butylbenzene		µg/L	< 0.07	0.07	< 0.7		27	0	0%		
Tetrachloroethylene(PCE)	yes	µg/L	< 0.12	0.46	3.7	5	27	11	41%	0	0%
Toluene	yes	µg/L	< 0.66	18.4	280	1000	27	22	81%	0	0%
Trans-1,2-Dichloroethene		µg/L	< 0.074	0.07	< 0.74	100	27	0	0%	0	0%
Trichloroethene (TCE)	yes	µg/L	< 0.12	0.31	1.5	5	27	7	26%	0	0%
Trichlorofluoromethane		µg/L	< 0.12	0.12	< 1.2		27	0	0%		
Vinyl Chloride		µg/L	< 0.12	0.12	< 1.2	2	27	0	0%	0	0%
Xylenes, Total	yes	µg/L	< 0.36	20.9	380	10,000	27	5	19%	0	0%
SVOCs											
1,2,4-Trichlorobenzene		µg/L	< 0.23	1.3	< 7.5		27	0	0%		
1,2-Dichlorobenzene		µg/L	< 0.076	1.2	< 7.3		27	0	0%		
1,3-Dichlorobenzene		µg/L	< 0.082	1.2	< 7.8		27	0	0%		
1,4-Dichlorobenzene		µg/L	< 0.098	1.2	< 7.4		27	0	0%		
2,4,5-Trichlorophenol		µg/L	< 1.3	0.9	< 6.8		27	0	0%		
2,4,6-Trichlorophenol		µg/L	< 1	0.7	< 5.1		27	0	0%		
2,4-Dichlorophenol		µg/L	< 1	0.7	< 5.2		27	0	0%		
2,4-Dimethylphenol		µg/L	< 5.2	3.4	< 26		27	0	0%		
2,4-Dinitrophenol		µg/L	< 3.9	2.6	< 20		27	0	0%		
2,4-Dinitrotoluene		µg/L	< 0.99	0.6	< 5		27	0	0%		
2,6-Dinitrotoluene		µg/L	< 1.9	1.3	< 9.9		27	0	0%		
2-Chloronaphthalene		µg/L	< 2.9	1.9	< 15		27	0	0%		
2-Chlorophenol		µg/L	< 1.4	0.9	< 7.3		27	0	0%		
2-Methylnaphthalene	yes	µg/L	< 3.5	5.3	54		27	4	15%		
2-Methylphenol (o-Cresol)	yes	µg/L	< 1	0.7	1.3		27	1	4%		
2-Nitroaniline		µg/L	< 1.9	1.3	< 9.8		27	0	0%		
2-Nitrophenol		µg/L	< 2	1.3	< 10		27	0	0%		
3,3'-Dichlorobenzidine		µg/L	< 25	16.7	< 130		27	0	0%		
3-Nitroaniline		µg/L	< 64	42.2	< 330		27	0	0%		
4,6-Dinitro-2-Methylphenol		µg/L	< 2.5	1.7	< 13		27	0	0%		
4-Bromophenyl Phenyl Ether		µg/L	< 1.7	1.1	< 8.4		27	0	0%		
4-Chloro-3-Methylphenol		µg/L	< 1.7	1.1	< 8.6		27	0	0%		
4-Chloroaniline		µg/L	< 24	16.1	< 120		27	0	0%		
4-Chlorophenyl Phenyl Ether		µg/L	< 1.4	0.9	< 7.1		27	0	0%		
4-Methylphenol (p-Cresol)	yes	µg/L	< 1.8	1.5	12		27	1	4%		

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Table C1-1: Analyte List and Summary

Analyte	Detected	Units	Min	Average	Max	MCL	Number Analyzed	Number Detected	Freq. of Detection	Number >MCL	Freq. Exceed MCL
4-Nitroaniline		µg/L	< 2.5	1.6	< 13		27	0	0%		
4-Nitrophenol		µg/L	< 3	2.0	< 15		27	0	0%		
Acenaphthene		µg/L	< 2.3	1.5	< 12		27	0	0%		
Acenaphthylene		µg/L	< 2.4	1.6	< 12		27	0	0%		
Anthracene		µg/L	< 2.3	1.5	< 12		27	0	0%		
Benzo(a)Anthracene		µg/L	< 1.2	0.8	< 6.1		27	0	0%		
Benzo(a)Pyrene		µg/L	< 2.1	1.4	< 11	0.2	27	0	0%	0	0%
Benzo(b)Fluoranthene		µg/L	< 2.1	1.4	< 11		27	0	0%		
Benzo(g,h,i)Perylene		µg/L	< 5.8	3.9	< 30		27	0	0%		
Benzo(k)Fluoranthene		µg/L	< 2.5	1.7	< 13		27	0	0%		
Benzoic Acid		µg/L	< 5.7	3.8	< 29		27	0	0%		
Benzyl Alcohol	yes	µg/L	< 1.7	1.3	5.5		27	1	4%		
Benzyl Butyl Phthalate		µg/L	< 2.3	1.5	< 12		27	0	0%		
bis(2-Chloroethoxy) Methane		µg/L	< 2	1.3	< 10		27	0	0%		
bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		µg/L	< 1.2	0.8	< 6.2		27	0	0%		
bis(2-Chloroisopropyl) Ether		µg/L	< 1.6	1.1	< 8.3		27	0	0%		
bis(2-Ethylhexyl) Phthalate	yes	µg/L	< 2.4	10.9	170		27	10	37%		
Carbazole		µg/L	< 4.7	3.1	< 24		27	0	0%		
Chrysene		µg/L	< 1	0.7	< 5.3		27	0	0%		
Dibenz(a,h)Anthracene		µg/L	< 3.9	2.6	< 20		27	0	0%		
Dibenzofuran		µg/L	< 1.5	1.0	< 7.8		27	0	0%		
Diethyl Phthalate		µg/L	< 1.8	1.5	< 9.3		27	0	0%		
Dimethyl Phthalate		µg/L	< 2.2	1.4	< 11		27	0	0%		
Di-n-Butyl Phthalate	yes	µg/L	< 1.8	1.6	7.2		27	4	15%		
Di-n-Octylphthalate		µg/L	< 2.7	1.8	< 14		27	0	0%		
Fluoranthene		µg/L	< 1.9	1.3	< 9.9		27	0	0%		
Fluorene		µg/L	< 1.8	1.2	< 9.3		27	0	0%		
Hexachlorobenzene		µg/L	< 2.8	1.8	< 14	1	27	0	0%	0	0%
Hexachlorobutadiene		µg/L	< 0.21	1.4	< 8.1	50	27	0	0%	0	0%
Hexachlorocyclopentadiene		µg/L	< 4.4	2.9	< 22		27	0	0%		
Hexachloroethane		µg/L	< 5.2	3.4	< 26		27	0	0%		
Indeno(1,2,3-c,d)Pyrene		µg/L	< 5.1	3.3	< 26		27	0	0%		
Isophorone		µg/L	< 1.6	1.1	< 8.2		27	0	0%		
Naphthalene	yes	µg/L	< 0.08	5.0	38		27	4	15%		
Nitrobenzene		µg/L	< 2	1.3	< 10		27	0	0%		
n-Nitrosodi-n-Propylamine		µg/L	< 1.6	1.0	< 8		27	0	0%		
n-Nitrosodiphenylamine		µg/L	< 6.8	4.5	< 35		27	0	0%		
Pentachlorophenol		µg/L	< 1.1	0.7	< 5.8	1	27	0	0%	0	0%
Phenanthrene		µg/L	< 2.3	1.5	< 12		27	0	0%		
Phenol	yes	µg/L	< 1.9	2.5	33		27	3	11%		
Pyrene		µg/L	< 1.3	0.9	< 6.6		27	0	0%		
TPH											

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Table C1-1: Analyte List and Summary

Analyte	Detected	Units	Min	Average	Max	MCL	Number Analyzed	Number Detected	Freq. of Detection	Number >MCL	Freq. Exceed MCL
Gasoline (C4-C12)	yes	µg/L	< 50	146	1,100		27	12	44%		
Diesel Components (C12-C23)	yes	µg/L	< 21	2017	11,000		27	26	96%		
Motor Oils (C23-C40)	yes	µg/L	< 92	2605	29,000		27	16	59%		
Pesticides											
Aldrin	yes	µg/L	< 0.009	0.61	0.05		27	1	4%		
Alpha BHC (Alpha Hexachlorocyclohexane)	yes	µg/L	< 0.008	0.49	0.08		27	2	7%		
Alpha Endosulfan		µg/L	< 0.012	1.9	< 46		27	0	0%		
Alpha-Chlordane		µg/L	< 0.009	1.5	< 37		27	0	0%		
Beta BHC (Beta Hexachlorocyclohexane)	yes	µg/L	< 0.009	0.64	0.88		27	2	7%		
Beta Endosulfan		µg/L	< 0.019	2.6	< 64		27	0	0%		
Chlordane		µg/L	< 0.14	0.17	< 1.0	2	21	0	0%	0	0%
Delta BHC (Delta Hexachlorocyclohexane)	yes	µg/L	< 0.022	0.80	0.27		27	5	19%		
Dieldrin		µg/L	< 0.015	2.0	< 0.015		27	0	0%		
Endosulfan Sulfate		µg/L	< 0.019	7.5	< 0.019		27	0	0%		
Endrin		µg/L	< 0.02	1.7	< 0.02	20	27	0	0%	0	0%
Endrin Aldehyde		µg/L	< 0.03	7.2	< 180		27	0	0%		
Endrin Ketone		µg/L	< 0.12	7.2	< 180		9	0	0%		
Gamma BHC (Lindane)	yes	µg/L	< 0.009	0.56	0.64	2	27	2	7%	0	0%
Gamma-Chlordane		µg/L	< 0.009	1.5	< 37		27	0	0%		
Heptachlor	yes	µg/L	< 0.009	0.62	0.32	0.4	27	1	4%	0	0%
Heptachlor Epoxide	yes	µg/L	< 0.012	0.97	0.16	0.2	27	2	7%	0	0%
Methoxychlor		µg/L	< 0.013	6.0	< 150	40	27	0	0%	0	0%
p,p'-DDD		µg/L	< 0.013	6.8	< 170		27	0	0%		
p,p'-DDE		µg/L	< 0.015	2.8	< 70		27	0	0%		
p,p'-DDT	yes	µg/L	< 0.021	7.6	0.03		27	1	4%		
Toxaphene		µg/L	< 0.041	119	< 3000	3	27	0	0%	0	0%
Herbicides											
2,4 DB		µg/L	< 0.41	1.4	< 3.7		26	0	0%		
2,4,5-T (Trichlorophenoxyacetic Acid)		µg/L	< 0.31	0.6	< 1.5		26	0	0%		
2,4-D (Dichlorophenoxyacetic Acid)		µg/L	< 0.25	0.9	< 2.4	70	26	0	0%	0	0%
Dalapon	yes	µg/L	< 0.32	0.71	6.1	200	26	1	4%	0	0%
Dicamba		µg/L	< 0.32	0.6	< 1.6		26	0	0%		
Dichloroprop		µg/L	< 0.24	1.0	< 2.9		26	0	0%		
Dinoseb		µg/L	< 0.39	1.6	< 4.4	7	26	0	0%	0	0%
MCPA		µg/L	< 180	180	< 430		26	0	0%		
MCPP		µg/L	< 62	132	< 350		26	0	0%		
Silvex (2,4,5-TP)		µg/L	< .3	0.9	< 2.5	50	26	0	0%	0	0%
PCBs											
PCB-1016 (Arochlor 1016)		µg/L	< 0.081	0.32	< 1.9	0.5	27	0	0%	0	0%
PCB-1221 (Arochlor 1221)		µg/L	< 0.36	1.0	< 21	0.5	27	0	0%	0	0%
PCB-1232 (Arochlor 1232)		µg/L	< 0.47	1.1	< 21	0.5	27	0	0%	0	0%
PCB-1242 (Arochlor 1242)		µg/L	< 0.47	1.1	< 21	0.5	27	0	0%	0	0%

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Table C1-1: Analyte List and Summary

Analyte	Detected	Units	Min	Average	Max	MCL	Number Analyzed	Number Detected	Freq. of Detection	Number >MCL	Freq. Exceed MCL
PCB-1248 (Arochlor 1248)		µg/L	< 0.41	1.0	< 21	0.5	27	0	0%	0	0%
PCB-1254 (Arochlor 1254)		µg/L	< 0.47	1.1	< 21	0.5	27	0	0%	0	0%
PCB-1260 (Arochlor 1260)		µg/L	< 0.016	0.30	< 1.4	0.5	27	0	0%	0	0%
PCB-1268 (Arochlor 1268)		µg/L	< 0.47	0.84	< 21	0.5	9	0	0%	0	0%

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Table C1-2: Summary of Analytical Results for Metals

Metals →	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium, Total	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
PA-MW1	< 0.021	< 0.18	3.9	32	< 0.037	1.1	< 0.018	180	0.56	1.3	1	< 0.004	< 0.043	29	240	< 0.025	41	8.1	5.9	9.4	< 0.018	150	< 0.016	5.1	4.8
PA-MW2	< 0.021	0.59	10	31	< 0.037	1.3	< 0.018	100	4.4	3.1	1.2	0.54	< 0.026	49	1900	0.33	98	9.5	10	13	< 0.018	230	< 0.016	4.1	7.5
PA-MW3	< 0.021	< 0.45	7.2	19	< 0.037	2	< 0.018	58	5.4	0.59	1.4	< 0.015	< 0.05	19	260	0.12	130	3.6	9.4	7.7	< 0.018	260	< 0.016	7.3	3.3
PA-GW4	920	< 0.2	70	1900	20	1.6	4.5	680	390	180	920	1100	67	390	15000	0.96	25	180	130	15	0.42	270	1.5	340	420
PA-GW5	< 0.033	1.1	19	63	< 0.037	1.2	< 0.018	46	9	0.8	3.1	0.043	< 0.067	10	130		64	1.8	9.3	14	< 0.018	230	0.026	24	< 1.6
PA-GW6	< 0.021	0.78	1.6	52	< 0.037	2.2	< 0.018	63	2.6	1.3	2.3	0.0085	< 0.023	12	680	< 0.025	130	4.9	15	11	< 0.018	290	0.021	1.2	< 4.1
PA-GW6B Dup	< 0.021	< 0.78	1.5	51	< 0.037	2.2	< 0.018	63	1.8	1.3	2.1	0.082	< 0.023	12	720	< 0.025	160	4.6	16	11	< 0.018	290	0.021	0.85	4.3
PA-GW7	76	< 0.24	33	1300	4.3	3.1	1	300	110	57	1300	82	32	44	3800	0.12	27	100	43	7.6	2.5	390	0.75	180	150
PA-GW8	79	0.3	28	1800	3.1	0.96	0.79	120	64	28	710	83	24	38	1900	0.2	49	34	24	8.9	0.23	190	0.54	130	110
PA-GW9	< 0.021	< 0.18	2.5	44	< 0.037	1.2	< 0.018	120	0.62	0.78	1.3	0.012	0.023	17	250	< 0.025	28	5.8	5.8	7.3	< 0.018	110	0.021	4.1	< 3.4
PA-GW10	< 0.013	0.96	2.6	350	< 0.037	3.7	< 0.018	110	2.5	5.1	8	0.22	0.12	22	2300		160	7	15	6.3	< 0.018	350	0.02	1.5	110
PA-GW11	< 0.013	0.82	3.6	43	< 0.037	2.3	< 0.018	58	2.7	1.8	5.9	0.0088	< 0.023	13	510		110	3.8	9.9	14	< 0.018	340	< 0.016	6.6	< 3.9
PA-GW12	< 0.021	1.3	1.3	32	< 0.037	2.3	< 0.018	150	0.67	3.6	8.8	< 0.003	0.07	28	850	< 0.025	90	15	7.5	16	< 0.018	280	< 0.016	1	5.5
PA-GW13	< 0.021	2.6	3.5	58	< 0.037	2.8	< 0.018	61	20	2.4	4.1	0.014	< 0.023	13	450	< 0.025	76	11	7.3	83	< 0.018	350	< 0.016	11	< 5.3
PA-GW14	< 0.021	0.62	0.57	41	< 0.037	0.32	0.24	49	0.67	0.64	3.6	< 0.0044	< 0.035	7.4	710	0.12	1000	7.1	5.4	1.1	< 0.018	74	< 0.016	0.46	2.9
PA-GW15	< 0.026	< 0.62	2.2	47	< 0.037	2.2	< 0.018	100	7.8	0.78	2.5	0.11	< 0.023	21	280		60	4.5	12	13	< 0.018	170	< 0.016	5.5	< 4.1
PA-GW16	< 0.026	< 0.46	7.9	110	< 0.037	1.4	< 0.018	250	27	18	6.8	6.2	< 0.023	64	3800		73	26	21	280	< 0.018	410	0.019	9.4	< 5
PA-GW16B Dup	< 0.026	< 0.47	8.7	120	< 0.037	1.4	< 0.018	240	30	18	7	5	< 0.023	53	3800		76	26	20	290	< 0.018	410	0.02	10	< 5.3
PA-GW17	< 0.03	< 0.4	3.4	27	< 0.037	0.4	0.12	54	5.9	2.1	41	0.015	0.088	9.9	440		34	12	7	12	< 0.018	52	0.025	2	80
PA-GW18	1.4	< 0.087	7.7	27	5.4	2.1	0.74	540	0.98	150	23	70	0.025	320	6800	< 0.025	11	50	12	2.3	< 0.018	250	0.087	0.4	59
PA-GW19	< 0.013	0.61	4	35	0.2	2.4	0.27	560	0.77	48	3.2	22	< 0.023	210	6600	< 0.025	63	40	18	2.8	0.032	370	0.047	0.26	18
PA-GW20	< 0.039	0.63	1.6	110	< 0.037	1.8	0.61	530	2.7	41	43	4	0.54	800	3900	< 0.025	39	66	20	7	0.043	290	0.029	6.3	65
PA-GW21	4.1	0.61	7.5	130	0.28	1.6	0.14	480	38	17	380	41	2.6	150	4600	< 0.025	170	76	23	56	< 0.018	390	0.071	17	72
PA-GW22	< 0.013	0.84	3.9	46	< 0.037	1.5	< 0.018	170	42	10	4.7	0.89	< 0.33	26	1800	< 0.025	100	16	12	34	< 0.018	370	< 0.016	13	4.3
PA-GW23	16	< 0.84	4.2	75	24	1.7	18	490	18	1400	30	1400	< 0.026	350	54000		48	1100	33	6.7	0.093	250	0.1	4.6	3700
PA-GW24	< 0.048	< 0.24	6.2	63	1.8	1.2	0.028	250	8.9	62	6.3	37	< 0.023	390	6200		37	30	26	3.3	< 0.018	380	0.054	2.6	12
PA-GW25	< 0.039	0.66	1.6	61	< 0.037	2.5	< 0.018	430	4.1	8.9	7.2	0.14	< 0.023	100	1600	< 0.025	110	36	17	26	< 0.018	530	0.025	1.4	17
PA-GW26	< 0.013	0.4	1.1	52	< 0.037	2.4	< 0.018	120	2.5	4	4.9	0.019	0.024	24	1300	0.06	94	13	9.7	9.1	< 0.018	290	< 0.016	2	5.5
PA-GW26B Dup	< 0.013	0.67	1.8	60	< 0.037	2.3	< 0.018	110	4.4	6.2	4.5	0.014	0.063	22	2200	< 0.025	160	14	9.9	9.5	< 0.018	300	< 0.016	2.3	< 4.5
PA-GW27	< 0.021	< 0.69	1.3	45	< 0.037	2.1	< 0.018	130	1.2	2.4	2.8	0.12	< 0.023	23	750	< 0.025	92	7.1	8.5	13	< 0.018	260	< 0.016	0.87	< 4.5
Minimum	< 0.013	< 0.087	0.57	19	< 0.037	0.32	< 0.018	46	0.56	0.59	1	< 0.003	< 0.023	7.4	130	< 0.025	11	1.8	5.4	1.1	< 0.018	52	< 0.016	0.26	< 1.6
Average[a]	40.6	0.56	8.9	244.2	2.2	1.8	0.98	229.6	28.6	75.9	130.6	105.46	4.7	117.8	4483.3	0.08	109.6	69.2	19.1	25.2	0.13	278.7	0.13	29.0	180.1
Maximum	920	2.6	70	1900	24	3.7	18	680	390	1400	1300	1400	67	800	54000	0.96	1000	1100	130	290	2.5	530	1.5	340	3700
MCL[b]		**6**	**10**	**2000**	**4**		**5**		**100**		**1300**		**150**			**2**		**100**		**50**			**2**		
Number Analyzed[c]	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	19	27	27	27	27	27	27	27	27	27
Number Detected[c]	6	15	27	27	8	27	11	27	27	27	27	23	11	27	27	7	27	27	27	27	6	27	16	27	19
Number >MCL[c]		0	5	0	4	0	1	0	2	0	1		0			0	0	3	0	3		0	0	0	
Freq. of Detection[d]	22%	56%	100%	100%	30%	100%	41%	100%	100%	100%	100%	85%	41%	100%	100%	37%	100%	100%	100%	100%	22%	100%	59%	100%	70%
Freq. Exceed MCL[e]		0%	19%	0%	15%		4%		7%		4%		0%			0%		11%		11%			0%		

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limi

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 200

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 10

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 10

Appendix C

Table C1-3: Summary of Analytical Results for Radionuclides

Radionuclides →	Radium-226	Radium-228	Thorium	Uranium
	pCi/L	pCi/L	mg/L	mg/L
PA-MW1	< 0.2	1.1	< 0.001	0.0416
PA-MW2	< 0.2	< 1	< 0.001	0.0274
PA-MW3	< 0.2	< 1	< 0.001	0.0681
PA-GW4	0.9	6.1	0.025	0.0496
PA-GW5	< 0.2	< 1	< 0.001	0.0584
PA-GW6	< 0.2	< 1	< 0.001	0.0012
PA-GW6B Dup	< 0.2	< 1	< 0.001	0.0003
PA-GW7	0.4	< 1	< 0.001	0.0726
PA-GW8	0.9	1.5	< 0.001	0.0244
PA-GW9	< 0.2	< 1	< 0.001	0.0228
PA-GW10	< 0.2	5.8	< 0.001	0.0059
PA-GW11	< 0.2	6.2	< 0.001	0.0471
PA-GW12	< 0.2	< 1	< 0.001	0.0274
PA-GW13	< 0.2	< 1	< 0.001	0.0949
PA-GW14	< 0.2	< 1	< 0.001	0.0056
PA-GW15	0.7	< 1	0.004	0.0305
PA-GW16	0.2	< 1	< 0.001	0.0209
PA-GW16B Dup	0.5	< 1	< 0.001	0.0268
PA-GW17	2	< 1	0.001	0.0233
PA-GW18	0.5	< 1	< 0.001	0.81
PA-GW19	< 0.2	< 1	< 0.001	0.242
PA-GW20	< 0.2	< 1	< 0.001	0.282
PA-GW21	< 0.2	< 1	< 0.001	0.21
PA-GW22	< 0.2	< 1	< 0.001	0.0165
PA-GW23	0.6	< 1	< 0.001	0.184
PA-GW24	3.8	< 1	0.008	0.112
PA-GW25	< 0.2	< 1	< 0.001	0.0686
PA-GW26	< 0.2	< 1	< 0.001	0.0187
PA-GW26B Dup	< 0.2	< 1	< 0.001	0.0213
PA-GW27	< 0.2	< 1	< 0.001	0.0022

Minimum	< 0.2	< 1	< 0.001	0.0003
Average[a]	0.44	1.17	0.002	0.095
Maximum	3.8	6.2	0.025	0.81
MCL[b,f]	**5**	**5**		**0.03**
Number Analyzed[c]	27	27	27	27
Number Detected[c]	9	5	4	27
Number >MCL[c]	0	3		15
Freq. of Detection[d]	33%	19%	15%	100%
Freq. Exceed MCL[e]	0%	11%		56%

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100

[f] Primary MCL for Radium is 5 pCi/L for combined Ra-226/228

Appendix C

Table C1-4: Summary of Analytical Results for Water Chemistry

	Hardness (As CaCO3)	pH	Sulfate (As SO4)	Total Dissolved Solids
	mg/L	pH units	mg/L	mg/L
PA-MW1	1100	7.69	660	1300
PA-MW2	490	7.16	510	1200
PA-MW3	260	7.54	320	1000
PA-GW4	3300	7.76	6.9	1400
PA-GW5	160	7.84	220	790
PA-GW6	230	7.95	440	1400
PA-GW6B	230	7.99	440	1200
PA-GW7	930	7.23	330	2500
PA-GW8	470	7.6	130	1600
PA-GW9	160	7.62	390	840
PA-GW10	330	7.43	530	1700
PA-GW11	26000	7.89	320	1300
PA-GW12	2900	7.36	590	1600
PA-GW13	210	7.3	330	1600
PA-GW14	1200	7.67	100	440
PA-GW15	350	7.66	400	1100
PA-GW16	870	7.68	800	1500
PA-GW16B	1400	7.25	810	2200
PA-GW17	170	7.91	390	800
PA-GW18	2700	6.42	3300	4200
PA-GW19	2400	6.82	2800	4200
PA-GW20	4500	6.57	4100	5600
PA-GW21	1700	6.6	1900	3400
PA-GW22	560	6.96	780	1700
PA-GW23	2600	5.95	5300	8400
PA-GW24	3000	6.7	3500	4300
PA-GW25	360	7.18	1300	2800
PA-GW26	390	7.36	450	3100
PA-GW26B	360	7.35	450	2300
PA-GW27	470	7.77	670	1400
Minimum	160	5.95	6.9	440
Average[a]	2141	7.32	1132	2266
Maximum	26000	7.99	5300	8400
MCL[b]				
Number Analyzed[c]	27	27	27	27
Number Detected[c]	27	27	27	27
Number >MCL[c]				
Freq. of Detection[d]	100%	100%	100%	100%
Freq. Exceed MCL[e]				

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100

Appendix C
Table C1-5: Summary of Analytical Results for VOC

VOCs →	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene Dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene (Mesitylene)	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Chlorotoluene	4-Chlorotoluene	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-MW2	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	0.13	< 0.09	< 0.089	< 0.15	< 0.13
PA-MW3	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	0.14	< 0.41	< 0.19	< 0.076	0.23	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	0.26	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW4	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	0.46	< 0.11	< 0.12	< 0.083	< 5.4	< 0.13	< 0.41	< 0.19	< 5.3	< 0.093	< 0.06	< 0.11	< 5.6	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	0.12	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW5	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.4	< 0.11	< 0.41	< 0.19	< 5.3	0.26	< 0.06	0.09	< 5.6	< 0.076	< 5.3	< 1.5	< 0.05	< 0.086	0.17	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW6	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	0.27	< 0.11	< 0.12	< 0.083	< 5.2	< 0.11	< 0.41	< 0.19	< 5.1	< 0.093	< 0.06	< 0.088	< 5.4	< 0.076	< 5.2	< 1.5	< 0.05	< 0.086	0.24	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW6B Dup	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	0.21	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	0.13	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW7	< 0.087	< 0.092	< 0.26	0.1	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.1	9.8	< 0.41	0.45	< 5	3.1	< 0.06	2.2	< 5.3	< 0.076	< 5.1	< 1.5	< 0.05	< 0.086	35	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW8	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.2	0.12	< 0.41	< 0.19	< 5	< 0.093	< 0.06	< 0.1	< 5.3	< 0.076	< 5.1	< 1.5	< 0.05	< 0.086	0.16	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW9	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	0.4	< 0.11	< 0.12	< 0.083	< 5.2	< 0.11	< 0.41	< 0.19	< 5.1	< 0.093	< 0.06	< 0.088	< 5.4	< 0.076	< 5.2	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW10	< 0.87	< 0.92	< 2.6	1.9	< 2.1	< 1.3	< 1.1	1.2	< 0.83	< 16	64	< 4.1	< 1.9	< 15	77	0.9	19	< 16	< 0.76	< 15	< 15	< 0.5	< 0.86	660	< 0.9	< 0.89	< 1.5	< 1.3
PA-GW11	< 0.44	< 0.46	< 1.3	< 0.27	< 1	< 0.65	< 0.54	< 0.6	< 0.42	< 6.3	18	< 2	< 0.96	< 6.2	< 0.46	< 0.3	3.8	< 6.5	< 0.38	< 6.2	< 7.5	< 0.25	< 0.43	160	< 0.45	< 0.44	< 0.74	< 0.64
PA-GW12	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	0.4	< 0.11	< 0.12	< 0.083	< 5.4	< 0.11	< 0.41	< 0.19	< 5.3	1.8	< 0.06	< 0.088	< 5.6	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW13	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.4	< 0.11	< 0.41	< 0.19	< 5.3	< 0.093	< 0.06	< 0.088	< 5.6	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW14	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 26	< 0.11	< 0.41	< 0.19	< 26	< 0.093	< 0.06	< 0.088	< 27	< 0.076	< 26	< 1.5	< 0.05	< 0.086	0.09	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW15	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 8.1	< 0.11	< 0.41	< 0.19	< 7.9	< 0.093	< 0.06	< 0.1	< 8.4	< 0.076	< 8	< 1.5	< 0.05	< 0.086	0.29	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW16	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.5	< 0.11	< 0.41	< 0.19	< 5.4	< 0.093	< 0.06	< 0.088	< 5.7	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	0.13	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW16B Dup	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.8	< 0.11	< 0.41	< 0.19	< 5.7	< 0.093	< 0.06	< 0.088	< 6	< 0.076	< 5.8	< 1.5	< 0.05	< 0.086	0.15	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW17	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.4	0.11	< 0.41	< 0.19	< 5.3	< 0.093	< 0.06	< 0.088	< 5.6	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	0.91	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW18	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.4	< 0.11	< 0.41	< 0.19	< 5.3	< 0.093	< 0.06	< 0.088	< 5.6	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW19	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.2	< 0.11	< 0.41	< 0.19	< 5.1	< 0.093	< 0.06	< 0.088	< 5.4	< 0.076	< 5.1	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW20	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 5.4	< 0.11	< 0.41	< 0.19	< 5.3	< 0.093	< 0.06	< 0.088	< 5.6	< 0.076	< 5.4	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW21	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW22	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	0.11	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW23	< 0.44	< 0.46	< 1.3	< 0.27	< 1	< 0.65	< 0.54	< 0.6	< 0.42	< 0.23	< 0.56	< 2	< 0.96	< 0.076	< 0.46	< 0.3	< 0.44	< 0.082	< 0.38	< 0.098	< 7.5	< 0.25	< 0.43	< 0.32	< 0.45	< 0.44	< 0.74	< 0.64
PA-GW24	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 1.1	< 0.13	< 0.41	< 0.19	< 0.38	< 0.093	< 0.06	< 0.09	< 0.41	< 0.076	< 0.49	< 1.5	< 0.05	< 0.086	0.21	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW25	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
PA-GW26	< 0.87	< 0.92	< 2.6	< 0.54	< 2.1	< 1.3	< 1.1	< 1.2	< 0.83	< 0.23	< 1.1	< 4.1	< 1.9	< 0.076	15	< 0.6	< 0.88	< 0.082	< 0.76	< 0.098	< 15	< 0.5	< 0.86	200	< 0.9	< 0.89	< 1.5	< 1.3
PA-GW26B Dup	< 0.87	< 0.92	< 2.6	< 0.54	< 2.1	< 1.3	< 1.1	< 1.2	< 0.83	< 2.3	< 1.1	< 4.1	< 1.9	< 0.76	16	< 0.6	< 0.88	< 0.82	< 0.76	< 0.98	< 15	< 0.5	< 0.86	240	< 0.9	< 0.89	< 1.5	< 1.3
PA-GW27	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	0.26	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	0.16	< 0.09	< 0.089	< 0.15	< 0.13

Minimum	< 0.087	< 0.092	< 0.26	< 0.054	< 0.21	< 0.13	< 0.11	< 0.12	< 0.083	< 0.23	< 0.11	< 0.41	< 0.19	< 0.076	< 0.093	< 0.06	< 0.088	< 0.082	< 0.076	< 0.098	< 1.5	< 0.05	< 0.086	< 0.064	< 0.09	< 0.089	< 0.15	< 0.13
Average[a]	0.09	0.09	0.26	0.12	0.20	0.18	0.11	0.14	0.08	2.38	3.48	0.40	0.20	2.30	3.66	0.08	0.99	2.42	0.07	2.32	1.47	0.05	0.08	39.2	0.09	0.09	0.15	0.13
Maximum	< 0.087	< 0.092	< 2.6	1.9	< 2.1	0.46	< 1.1	1.2	< 0.083	< 26	64	< 4.1	0.45	< 26	77	0.9	19	< 27	< 0.76	< 26	< 15	< 0.5	< 0.86	660	< 0.9	< 0.89	< 1.5	< 1.3
MCL[b]		**200**		**5**		**7**				**70**		**0.2**			**5**	**5**								**5**				
Number Analyzed[c]	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Number Detected[c]	0	0	0	2	0	5	0	1	0	0	6	0	1	0	6	1	4	0	0	0	0	0	0	17	0	0	0	0
Number >MCL[c]		0		0		0				0		0			3	0								5				
Freq. of Detection[d]	0%	0%	0%	7%	0%	19%	0%	4%	0%	0%	22%	0%	4%	0%	22%	4%	15%	0%	0%	0%	0%	0%	0%	63%	0%	0%	0%	0%
Freq. Exceed MCL[e]		0%		0%		0%				0%		0%			11%	0%								19%				

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit
[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006
[c] Excluding duplicates
[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100
[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100

Appendix C
Table C1-5: Su

VOCs →	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	T-Butylbenzene	Tetrachloroethylene(PCE)	Toluene	Trans-1,2-Dichloroethene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	Xylenes, Total
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	< 0.056	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	< 0.066	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-MW2	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	< 0.056	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	< 0.066	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-MW3	< 0.2	< 0.069	< 0.065	< 0.22	0.15	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	< 0.056	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	1.3	0.11	< 0.074	1.2	< 0.12	< 0.12	0.65
PA-GW4	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.9	< 0.09	< 0.056	< 3.6	< 0.15	< 0.12	< 0.12	< 0.09	< 0.11	< 0.07	< 0.12	< 0.12	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW5	< 1	0.28	< 0.065	< 0.22	1.8	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.8	< 0.08	< 0.056	< 3.5	< 0.15	< 0.1	< 0.11	< 0.1	< 0.11	< 0.07	0.59	0.11	< 0.074	0.71	< 0.12	< 0.12	< 0.36
PA-GW6	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	0.19	< 5.7	< 0.064	< 0.056	< 3.4	< 0.15	< 0.097	< 0.079	< 0.09	0.11	< 0.07	< 0.12	0.31	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW6B Dup	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	0.15	< 0.21	< 0.064	< 0.056	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.15	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW7	< 0.2	< 0.069	< 0.065	< 0.22	0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	1	< 5.6	0.72	< 0.056	26	< 0.15	< 0.38	< 0.35	< 0.09	0.59	< 0.07	0.14	5	< 0.074	< 0.12	< 0.12	< 0.12	48
PA-GW8	< 0.2	< 0.069	< 0.065	< 0.22	0.17	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.6	< 0.09	< 0.056	< 3.4	< 0.15	< 0.11	< 0.1	< 0.1	< 0.11	< 0.07	3.7	0.18	< 0.074	1.2	< 0.12	< 0.12	< 0.36
PA-GW9	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.7	< 0.064	< 0.056	< 3.4	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	24	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW10	< 2	0.8	< 0.65	< 2.2	< 1.2	< 2.6	< 0.75	< 0.89	< 0.99	< 1.1	40	< 17	5.3	< 0.56	56	< 1.5	8.6	2.5	< 0.9	4.4	< 0.7	< 1.2	280	< 0.74	< 1.2	< 1.2	< 1.2	380
PA-GW11	< 1	< 0.34	< 0.32	< 1.1	0.85	< 1.3	< 0.38	< 0.44	< 0.5	< 0.56	< 0.44	< 6.8	1.8	1.6	27	< 0.73	< 0.55	< 0.65	< 0.45	1.6	< 0.35	< 0.6	4.9	< 0.37	< 0.61	< 0.62	< 0.58	130
PA-GW12	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.9	< 0.064	< 0.056	< 3.6	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	0.65	41	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW13	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.9	< 0.064	< 0.056	< 3.6	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	0.13	0.08	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW14	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 28	< 0.064	< 0.056	< 17	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.26	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW15	< 1	0.09	< 0.065	0.24	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 8.8	< 0.08	< 0.056	< 5.3	< 0.15	< 0.12	< 0.11	< 0.1	< 0.11	< 0.07	< 0.12	0.3	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW16	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 6	< 0.064	< 0.056	< 3.6	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.12	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW16B Dup	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 6.3	< 0.064	< 0.056	< 3.8	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.16	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW17	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	0.31	< 5.9	< 0.064	< 0.056	< 3.6	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	0.3	1	< 0.074	< 0.12	< 0.12	< 0.12	0.51
PA-GW18	< 0.2	< 0.069	< 0.065	< 0.22	0.19	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.9	< 0.064	< 0.056	< 3.6	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	0.21	< 0.066	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW19	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.7	< 0.064	< 0.06	< 3.4	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	0.14	6.2	< 0.074	0.19	< 0.12	< 0.12	< 0.36
PA-GW20	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 5.9	< 0.064	< 0.08	< 3.6	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.31	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW21	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	0.2	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.07	< 0.074	0.17	< 0.12	< 0.12	< 0.36
PA-GW22	< 0.2	< 0.069	< 0.065	< 0.22	1.2	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	< 0.056	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	0.15	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW23	< 1	< 0.34	< 0.32	< 1.1	< 0.58	< 1.3	< 0.38	< 0.44	< 0.5	< 0.56	< 0.44	< 0.21	< 0.32	1.5	< 0.08	< 0.73	< 0.48	< 0.4	< 0.45	< 0.54	< 0.35	< 0.6	120	< 0.37	0.85	< 0.62	< 0.58	< 1.8
PA-GW24	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 1.1	< 0.064	0.12	< 0.4	< 0.15	< 0.11	< 0.09	< 0.09	< 0.11	< 0.07	< 0.12	0.24	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
PA-GW25	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	< 0.16	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	0.13	13	< 0.074	1.5	< 0.12	< 0.12	< 0.36
PA-GW26	< 2	< 0.69	< 0.65	< 2.2	< 1.2	< 2.6	< 0.75	< 0.89	< 0.99	< 1.1	< 0.87	< 0.21	< 0.64	< 0.56	< 0.08	< 1.5	< 1.9	< 0.79	< 0.9	< 1.1	< 0.7	< 1.2	< 0.66	< 0.74	< 1.2	< 1.2	< 1.2	< 3.6
PA-GW26B Dup	< 2	< 0.69	< 0.65	< 2.2	< 1.2	< 2.6	< 0.75	< 0.89	< 0.99	< 1.1	< 0.87	< 2.1	< 0.64	< 0.56	32	< 1.5	< 1.9	< 0.79	< 0.9	< 1.1	< 0.7	< 1.2	< 0.66	< 0.74	< 1.2	< 1.2	< 1.2	< 3.6
PA-GW27	< 0.2	< 0.069	< 0.065	< 0.22	0.16	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	1.2	< 0.13	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	2.6	0.22	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36

Minimum	< 0.2	< 0.069	< 0.065	< 0.22	< 0.12	< 0.26	< 0.075	< 0.089	< 0.099	< 0.11	< 0.087	< 0.21	< 0.064	< 0.056	< 0.08	< 0.15	< 0.097	< 0.079	< 0.09	< 0.11	< 0.07	< 0.12	< 0.66	< 0.074	< 0.12	< 0.12	< 0.12	< 0.36
Average[(a)]	0.23	0.10	0.06	0.22	0.26	0.26	0.07	0.09	0.10	0.11	1.60	2.58	0.34	0.22	5.26	0.15	0.42	0.17	0.09	0.32	0.07	0.46	18.4	0.07	0.31	0.12	0.12	20.9
Maximum	< 2.0	0.8	< 0.65	0.24	1.8	< 2.6	< 0.75	< 0.89	< 0.99	< 1.1	40	< 28	5.3	1.6	56	< 1.5	8.6	2.5	< 0.9	4.4	< 0.7	3.7	280	< 0.74	1.5	< 1.2	< 1.2	380
MCL[(b)]		**5**	**100**				**70**	**5**			**700**									**100**		**5**	**1000**	**100**	**5**		**2**	**10,000**
Number Analyzed[(c)]	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Number Detected[(c)]	0	3	0	1	8	0	0	0	0	0	4	0	3	5	3	0	1	1	0	4	0	11	22	0	7	0	0	5
Number >MCL[(c)]		0	0				0	0			0									0		0	0	0	0		0	0
Freq. of Detection[(d)]	0%	11%	0%	4%	30%	0%	0%	0%	0%	0%	15%	0%	11%	19%	11%	0%	4%	4%	0%	15%	0%	41%	81%	0%	26%	0%	0%	19%
Freq. Exceed MCL[(e)]		0%	0%				0%	0%			0%									0%		0%	0%	0%	0%		0%	0%

[(a)] Average of all results, ex
[(b)] Maximum Contaminant l
[(c)] Excluding duplicates
[(d)] Percentage of sample res
[(e)] Percentage of sample res

Appendix C

Table C1-7: Summary of Analytical Results for SVOC

SVOC →	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl Phenyl Ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 5.7	< 5.6	< 5.9	< 5.6	< 1.5	< 1.1	< 1.1	< 5.7	< 4.4	< 1.1	< 2.2	< 3.2	< 1.6	< 3.7	< 1.1	< 2.1	< 2.2	< 28	< 72	< 2.8	< 1.8	< 1.9	< 27	< 1.6	< 2	< 2.7	< 3.3	< 2.5	< 2.7	< 2.5	< 1.3	< 2.3	< 2.3
PA-MW2	< 5.1	< 5	< 5.3	< 5.1	< 1.3	< 1	< 1	< 5.1	< 3.9	< 0.99	< 1.9	< 2.9	< 1.4	< 3.3	< 1	< 1.9	< 2	< 25	< 64	< 2.5	< 1.7	< 1.7	< 24	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
PA-MW3	< 5.2	< 5.1	< 5.4	< 5.1	< 1.4	< 1	< 1	< 5.2	< 3.9	< 1	< 2	< 2.9	< 1.4	< 3.3	< 1	< 1.9	< 2	< 26	< 65	< 2.6	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW4	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW5	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3	< 1.5	< 3.4	< 1.1	< 2	< 2.1	< 27	< 67	< 2.7	< 1.7	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.1	< 2.4	< 2.5	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW6	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1	< 1	< 5.2	< 4	< 1	< 2	< 3	< 1.5	< 3.3	< 1	< 2	< 2	< 26	< 65	< 2.6	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.5	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW6B Dup	< 5.3	< 5.1	< 5.4	< 5.2	< 1.4	< 1	< 1.1	< 5.2	< 4	< 1	< 2	< 3	< 1.5	< 3.4	< 1.1	< 2	< 2	< 26	< 66	< 2.6	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3.1	< 2.3	< 2.5	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW7	< 0.23	< 0.076	< 0.082	< 0.098	< 1.3	< 1	< 1	< 5.1	< 3.9	< 0.99	< 1.9	< 2.9	< 1.4	18	1.3	< 1.9	< 2	< 25	< 64	< 2.5	< 1.7	< 1.7	< 24	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW8	< 0.23	< 0.076	< 0.082	< 0.098	< 1.3	< 1	< 1	< 5.1	< 3.9	< 1	< 1.9	< 2.9	< 1.4	< 3.3	< 1	< 1.9	< 2	< 25	< 65	< 2.5	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW9	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1	< 1	< 5.2	< 4	< 1	< 2	< 3	< 1.5	< 3.3	< 1	< 2	< 2	< 26	< 65	< 2.6	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.5	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW10	< 2.3	< 0.76	< 0.82	< 0.98	< 4.1	< 3	< 3.1	< 16	< 12	< 3	< 5.9	< 8.8	< 4.3	54	< 3.1	< 5.8	< 6	< 77	< 190	< 7.7	< 5	< 5.1	< 74	< 4.2	12	< 7.5	< 9.1	< 6.9	< 7.3	< 6.9	< 3.6	< 6.3	< 6.3
PA-GW11	< 1.1	< 0.38	< 0.41	< 0.49	< 1.7	< 1.2	< 1.3	< 6.3	< 4.8	< 1.2	< 2.4	< 3.6	< 1.8	15	< 1.3	< 2.4	< 2.4	< 31	< 79	< 3.1	< 2	< 2.1	< 30	< 1.7	< 2.2	< 3	< 3.7	< 2.8	< 3	< 2.8	< 1.5	< 2.6	< 2.5
PA-GW12	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW12B Dup					< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW13	< 0.23	< 0.076	< 0.082	< 0.098	< 6.8	< 5.1	< 5.2	< 26	< 20	< 5	< 9.9	< 15	< 7.3	< 17	< 5.2	< 9.8	< 10	< 130	< 330	< 13	< 8.4	< 8.6	< 120	< 7.1	< 9.1	< 13	< 15	< 12	< 12	< 12	< 6.1	< 11	< 11
PA-GW14	< 0.23	< 0.076	< 0.082	< 0.098	< 2.1	< 1.6	< 1.6	< 8.1	< 6.2	< 1.6	< 3.1	< 4.6	< 2.3	< 5.2	< 1.6	< 3	< 3.1	< 40	< 100	< 4	< 2.6	< 2.7	< 39	< 2.2	< 2.8	< 3.9	< 4.7	< 3.6	< 3.8	< 3.6	< 1.9	< 3.3	< 3.3
PA-GW15	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1.1	< 1.1	< 5.5	< 4.2	< 1.1	< 2.1	< 3.1	< 1.5	< 3.5	< 1.1	< 2.1	< 2.1	< 27	< 69	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.5	< 1.3	< 2.2	< 2.2
PA-GW16	< 0.23	< 0.076	< 0.082	< 0.098	< 1.5	< 1.1	< 1.2	< 5.8	< 4.5	< 1.1	< 2.2	< 3.3	< 1.6	< 3.7	< 1.2	< 2.2	< 2.2	< 29	< 73	< 2.9	< 1.9	< 1.9	< 28	< 1.6	< 2	< 2.8	< 3.4	< 2.6	< 2.7	< 2.6	< 1.4	< 2.4	< 2.4
PA-GW16B Dup	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW17	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW18	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1	< 1	< 5.2	< 4	< 1	< 2	< 3	< 1.4	< 3.3	< 1	< 2	< 2	< 26	< 65	< 2.6	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW19	< 0.23	< 0.076	< 0.082	< 0.098	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW20	< 5.2	< 5	< 5.3	< 5.1	< 1.3	< 1	< 1	< 5.1	< 3.9	< 0.99	< 1.9	< 2.9	< 1.4	< 3.3	< 1	< 1.9	< 2	< 25	< 64	< 2.5	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW21	< 5.4	< 5.2	< 5.5	< 5.3	< 1.4	< 1	< 1.1	< 5.3	< 4.1	< 1	< 2	< 3	< 1.5	< 3.4	< 1.1	< 2	< 2.1	< 26	< 67	< 2.7	< 1.7	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.1	< 2.4	< 2.5	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW22	< 6	< 5.9	< 6.2	< 6	< 1.6	< 1.2	< 1.2	< 6	< 4.6	< 1.2	< 2.3	< 3.4	< 1.7	< 3.9	< 1.2	< 2.3	< 2.3	< 30	< 76	< 3	< 1.9	< 2	< 29	< 1.6	< 2.1	< 2.9	< 3.5	< 2.7	< 2.8	< 2.7	< 1.4	< 2.4	< 2.4
PA-GW23	< 5.2	< 5.1	< 5.4	< 5.2	< 1.4	< 1	< 1	< 5.2	< 4	< 1	< 2	< 3	< 1.5	< 3.3	< 1	< 2	< 2	< 26	< 65	< 2.6	< 1.7	< 1.7	< 25	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.5	< 2.3	< 1.2	< 2.1	< 2.1
PA-GW24	< 7.5	< 7.3	< 7.8	< 7.4	< 2	< 1.5	< 1.5	< 7.5	< 5.7	< 1.4	< 2.8	< 4.2	< 2.1	< 4.8	< 1.5	< 2.8	< 2.9	< 37	< 94	< 3.7	< 2.4	< 2.5	< 36	< 2	< 2.6	< 3.6	< 4.4	< 3.3	< 3.5	< 3.3	< 1.8	< 3	< 3
PA-GW25	< 5.4	< 5.3	< 5.6	< 5.4	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
PA-GW26	< 5.8	< 5.6	< 6	< 5.7	< 1.5	< 1.1	< 1.2	< 5.8	< 4.4	< 1.1	< 2.2	< 3.3	< 1.6	9	< 1.2	< 2.2	< 2.2	< 29	< 72	< 2.9	< 1.9	< 1.9	< 28	< 1.6	< 2	< 2.8	< 3.4	< 2.6	< 2.7	< 2.6	< 1.4	< 2.3	< 2.3
PA-GW26B Dup	< 2.3	< 0.76	< 0.82	< 0.98																													
PA-GW27	< 5.4	< 5.3	< 5.6	< 5.4	< 1.4	< 1.1	< 1.1	< 5.4	< 4.1	< 1	< 2	< 3.1	< 1.5	< 3.5	< 1.1	< 2	< 2.1	< 27	< 68	< 2.7	< 1.8	< 1.8	< 26	< 1.5	< 1.9	< 2.6	< 3.2	< 2.4	< 2.6	< 2.4	< 1.3	< 2.2	< 2.2
Minimum	< 0.23	< 0.076	< 0.082	< 0.098	< 1.3	< 1	< 1	< 5.2	< 3.9	< 0.99	< 1.9	< 2.9	< 1.4	< 3.5	< 1	< 1.9	< 2	< 25	< 64	< 2.5	< 1.7	< 1.7	< 24	< 1.4	< 1.8	< 2.5	< 3	< 2.3	< 2.4	< 2.3	< 1.2	< 2.1	< 2.1
Average[a]	1.3	1.2	1.2	1.2	0.9	0.7	0.7	3.4	2.6	0.6	1.3	1.9	0.9	5.3	0.7	1.3	1.3	16.7	42.2	1.7	1.1	1.1	16.1	0.9	1.5	1.6	2.0	1.5	1.6	1.5	0.8	1.4	1.4
Maximum	< 7.5	< 7.3	< 7.8	< 7.4	< 6.8	< 5.1	< 5.2	< 26	< 20	< 5	< 9.9	< 15	< 7.3	54	1.3	< 9.8	< 10	< 130	< 330	< 13	< 8.4	< 8.6	< 120	< 7.1	12	< 13	< 15	< 12	< 12	< 12	< 6.1	< 11	< 11
MCL[b]																																**0.2**	
Number Analyzed[c]	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Number Detected[c]	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Number >MCL[c]																																0	
Freq. of Detection[d]	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
Freq. Exceed MCL[e]																																0%	

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100

Appendix C
Table C1-7: Sum

SVOC →	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Benzyl Butyl Phthalate	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Carbazole	Chrysene	Dibenz(a,h)Anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)Pyrene	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-Propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 6.5	< 2.8	< 6.4	< 1.8	< 2.5	< 2.2	< 1.4	< 1.8	< 2.7	< 5.3	< 1.2	< 4.4	< 1.7	< 2	< 2.4	< 2	< 3.1	< 2.2	< 2	< 3.1	< 6.2	< 4.9	< 5.7	< 5.7	< 1.8	< 3.7	< 2.2	< 1.8	< 7.6	< 1.3	< 2.6	< 2.1	< 1.5
PA-MW2	< 5.8	< 2.6	< 5.7	< 1.7	< 2.3	< 2	< 1.2	< 1.6	8.1	< 4.7	< 1	< 3.9	< 1.5	< 1.8	< 2.2	< 1.8	< 2.8	< 1.9	< 1.8	< 2.8	< 5.6	< 4.4	< 5.2	< 5.1	< 1.6	< 3.4	< 2	< 1.6	< 6.8	< 1.1	< 2.3	< 1.9	< 1.3
PA-MW3	< 5.9	< 2.6	< 5.8	< 1.7	< 2.3	< 2	< 1.2	< 1.6	2.4	< 4.8	< 1	< 3.9	< 1.5	< 3	< 2.2	< 1.8	< 2.8	< 2	< 1.8	< 2.8	< 5.6	< 4.4	< 5.2	< 5.1	< 1.6	< 3.4	< 2	< 1.6	< 6.9	< 1.1	< 2.3	< 1.9	< 1.3
PA-GW4	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 0.21	< 4.6	< 5.5	< 5.4	< 1.7	< 0.14	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW5	< 6.1	< 2.7	< 6	< 1.7	< 2.4	< 2.1	< 1.3	< 1.7	< 2.5	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 0.21	< 4.6	< 5.4	< 5.3	< 1.7	< 0.08	< 2.1	< 1.7	< 7.1	< 1.2	< 2.4	< 2	< 1.4
PA-GW6	< 5.9	< 2.6	< 5.8	< 1.7	< 2.3	< 2	< 1.2	< 1.7	3.2	< 4.8	< 1.1	< 4	< 1.6	< 1.9	< 2.2	< 1.8	< 2.8	< 2	< 1.9	< 2.8	< 0.21	< 4.5	< 5.2	< 5.2	< 1.6	< 0.08	< 2	< 1.6	< 6.9	< 1.2	< 2.4	< 1.9	< 1.3
PA-GW6B Dup	< 6	< 2.6	< 5.9	< 1.7	< 2.3	< 2	< 1.2	< 1.7	20	< 4.8	< 1.1	< 4	< 1.6	< 1.9	< 2.2	< 1.8	< 2.8	< 2	< 1.9	< 2.8	< 5.7	< 4.5	< 5.3	< 5.2	< 1.6	< 3.4	< 2	< 1.6	< 7	< 1.2	< 2.4	< 1.9	< 1.3
PA-GW7	< 5.8	< 2.5	< 5.7	< 1.7	< 2.3	< 2	< 1.2	< 1.6	18	< 4.7	< 1	< 3.9	< 1.5	< 1.8	< 2.2	< 1.8	< 2.7	< 1.9	< 1.8	< 2.8	< 0.21	< 4.4	< 5.2	< 5.1	< 1.6	17	< 2	< 1.6	< 6.8	< 1.1	< 2.3	< 1.9	< 1.3
PA-GW8	< 5.9	< 2.6	< 5.8	< 1.7	< 2.3	< 2	< 1.2	< 1.6	46	< 4.7	< 1	< 3.9	< 1.5	< 1.8	< 2.2	4.3	< 2.8	< 1.9	< 1.8	< 2.8	< 0.21	< 4.4	< 5.2	< 5.1	< 1.6	< 1.1	< 2	< 1.6	< 6.8	< 1.1	< 2.3	< 1.9	< 1.3
PA-GW9	< 5.9	< 2.6	< 5.8	< 1.7	< 2.3	< 2	< 1.2	< 1.7	< 2.5	< 4.8	< 1.1	< 4	< 1.6	< 1.9	< 2.2	< 1.8	< 2.8	< 2	< 1.9	< 2.8	< 0.21	< 4.5	< 5.2	< 5.2	< 1.6	< 0.08	< 2	< 1.6	< 6.9	< 1.2	< 2.4	< 1.9	< 1.3
PA-GW10	< 18	< 7.7	< 17	< 5	< 6.9	< 5.9	< 3.7	< 4.9	< 7.3	< 14	< 3.1	< 12	< 4.6	< 5.5	< 6.6	< 5.4	< 8.3	< 5.9	< 5.5	< 8.3	< 2.1	< 13	< 16	< 15	< 4.9	30	< 6	< 4.8	< 21	< 3.4	< 7	33	< 3.9
PA-GW11	< 7.2	< 3.1	< 7.1	< 2	< 2.8	< 2.4	< 1.5	< 2	3.2	< 5.8	< 1.3	< 4.8	< 1.9	< 2.3	< 2.7	< 2.2	< 3.4	< 2.4	< 2.3	< 3.4	< 1.1	< 5.4	< 6.3	< 6.2	< 2	38	< 2.5	< 1.9	< 8.4	< 1.4	< 2.9	4.3	< 1.6
PA-GW12	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 0.21	< 4.6	< 5.5	< 5.4	< 1.7	< 0.25	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW12B Dup	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9		< 4.6	< 5.5	< 5.4	< 1.7		< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW13	< 30	< 13	< 29	< 8.4	< 12	< 10	< 6.2	< 8.3	170	< 24	< 5.3	< 20	< 7.8	< 9.3	< 11	< 9.1	< 14	< 9.9	< 9.3	< 14	< 0.21	< 22	< 26	< 26	< 8.2	< 0.08	< 10	< 8	< 35	< 5.8	< 12	< 9.5	< 6.6
PA-GW14	< 9.2	< 4	< 9.1	5.5	< 3.6	< 3.1	< 1.9	< 2.6	4.3	< 7.5	< 1.6	< 6.2	< 2.4	< 18	< 3.4	7.2	< 4.3	< 3.1	< 2.9	< 4.4	< 0.21	< 6.9	< 8.1	< 8	< 2.5	< 0.08	< 3.1	< 2.5	< 11	< 1.8	< 3.7	< 2.9	< 2.1
PA-GW15	< 6.3	< 2.7	< 6.2	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5.1	< 1.1	< 4.2	< 1.6	< 2	< 2.3	< 1.9	< 3	< 2.1	< 2	< 3	< 0.21	< 4.7	< 5.5	< 5.5	< 1.7	< 0.1	< 2.1	< 1.7	< 7.3	< 1.2	< 2.5	< 2	< 1.4
PA-GW16	< 6.6	< 2.9	< 6.5	< 1.9	< 2.6	< 2.2	< 1.4	< 1.8	< 2.8	< 5.4	< 1.2	< 4.5	< 1.7	< 2.1	< 2.5	< 2	< 3.1	< 2.2	< 2.1	< 3.1	< 0.21	< 5	< 5.9	< 5.8	< 1.8	< 0.08	< 2.3	< 1.8	< 7.8	< 1.3	< 2.6	< 2.1	< 1.5
PA-GW16B Dup	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 0.21	< 4.6	< 5.5	< 5.4	< 1.7	< 0.08	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW17	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	3	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	3.2	< 2.9	< 2	< 1.9	< 2.9	< 0.21	< 4.6	< 5.5	< 5.4	< 1.7	< 0.08	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW18	< 5.9	< 2.6	< 5.8	< 1.7	< 2.3	< 2	< 1.2	< 1.7	< 2.5	< 4.8	< 1.1	< 4	< 1.6	< 1.9	< 2.2	< 1.8	< 2.8	< 2	< 1.9	< 2.8	< 0.21	< 4.4	< 5.2	< 5.2	< 1.6	< 0.08	< 2	< 1.6	< 6.9	< 1.2	< 2.4	< 1.9	< 1.3
PA-GW19	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 0.21	< 4.6	< 5.5	< 5.4	< 1.7	< 0.08	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW20	< 5.9	< 2.6	< 5.7	< 1.7	< 2.3	< 2	< 1.2	< 1.6	< 2.4	< 4.7	< 1	< 3.9	< 1.5	< 1.8	< 2.2	< 1.8	< 2.8	< 1.9	< 1.8	< 2.8	< 5.6	< 4.4	< 5.2	< 5.1	< 1.6	< 3.4	< 2	< 1.6	< 6.8	< 1.1	< 2.3	< 1.9	< 1.3
PA-GW21	< 6.1	< 2.7	< 6	< 1.7	< 2.4	< 2	< 1.3	< 1.7	< 2.5	< 4.9	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 5.8	< 4.6	< 5.4	< 5.3	< 1.7	< 3.5	< 2.1	< 1.6	< 7.1	< 1.2	< 2.4	< 1.9	< 1.4
PA-GW22	< 6.9	< 3	< 6.7	< 1.9	< 2.7	< 2.3	< 1.4	< 1.9	< 2.8	< 5.6	< 1.2	< 4.6	< 1.8	< 2.2	< 2.6	< 2.1	< 3.2	< 2.3	< 2.2	< 3.2	< 6.5	< 5.1	< 6.1	< 6	< 1.9	< 3.9	< 2.3	< 1.9	< 8	< 1.3	< 2.7	< 2.2	< 1.5
PA-GW23	< 5.9	< 2.6	< 5.8	< 1.7	< 2.3	< 2	< 1.2	< 1.7	11	< 4.8	< 1.1	< 4	< 1.6	< 1.9	< 2.2	1.9	< 2.8	< 2	< 1.9	< 2.8	< 5.7	< 4.5	< 5.2	< 5.2	< 1.6	< 3.4	< 2	< 1.6	< 6.9	< 1.2	< 2.4	< 1.9	< 1.3
PA-GW24	< 8.5	< 3.7	< 8.4	< 2.4	< 3.3	< 2.9	< 1.8	< 2.4	< 3.5	< 6.9	< 1.5	< 5.7	< 2.2	< 2.7	< 3.2	< 2.6	< 4	< 2.8	< 2.7	< 4	< 8.1	< 6.4	< 7.5	< 7.4	< 2.3	< 4.9	< 2.9	< 2.3	< 9.9	< 1.7	< 3.4	< 2.7	< 1.9
PA-GW25	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 5.9	< 4.6	< 5.5	< 5.4	< 1.7	< 3.6	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
PA-GW26	< 6.6	< 2.9	< 6.5	< 1.9	< 2.6	< 2.2	< 1.4	< 1.8	< 2.7	< 5.3	< 1.2	< 4.4	< 1.7	< 2.1	< 2.4	< 2	< 3.1	< 2.2	< 2.1	< 3.1	< 6.3	< 4.9	< 5.8	< 5.7	< 1.8	31	< 2.2	< 1.8	< 7.7	< 1.3	< 2.6	2.6	< 1.5
PA-GW26B Dup																					< 2.1					34							
PA-GW27	< 6.2	< 2.7	< 6.1	< 1.8	< 2.4	< 2.1	< 1.3	< 1.7	< 2.6	< 5	< 1.1	< 4.1	< 1.6	< 1.9	< 2.3	< 1.9	< 2.9	< 2	< 1.9	< 2.9	< 5.9	< 4.6	< 5.5	< 5.4	< 1.7	< 3.6	< 2.1	< 1.7	< 7.2	< 1.2	< 2.5	< 2	< 1.4
Minimum	< 5.8	< 2.5	< 5.7	< 1.7	< 2.3	< 2	< 1.2	< 1.6	< 2.4	< 4.7	< 1	< 3.9	< 1.5	< 1.8	< 2.2	< 1.8	< 2.7	< 1.9	< 1.8	< 2.8	< 0.21	< 4.4	< 5.2	< 5.1	< 1.6	< 0.08	< 2	< 1.6	< 6.8	< 1.1	< 2.3	< 1.9	< 1.3
Average[a]	3.9	1.7	3.8	1.3	1.5	1.3	0.8	1.1	10.9	3.1	0.7	2.6	1.0	1.5	1.4	1.6	1.8	1.3	1.2	1.8	1.4	2.9	3.4	3.3	1.1	5.0	1.3	1.0	4.5	0.7	1.5	2.5	0.9
Maximum	< 30	< 13	< 29	5.5	< 12	< 10	< 6.2	< 8.3	170	< 24	< 5.3	< 20	< 7.8	< 9.3	< 11	7.2	< 14	< 9.9	< 9.3	< 14	< 8.1	< 22	< 26	< 26	< 8.2	38	< 10	< 8	< 35	< 5.8	< 12	33	< 6.6
MCL[b]																				**1**	**50**									**1**			
Number Analyzed[c]	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Number Detected[c]	0	0	0	1	0	0	0	0	10	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	3	0
Number >MCL[c]																				0	0									0			
Freq. of Detection[d]	0%	0%	0%	4%	0%	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	11%	0%
Freq. Exceed MCL[e]																				0%	0%									0%			

[a] Average of all results, exclu
[b] Maximum Contaminant Lev
[c] Excluding duplicates
[d] Percentage of sample results
[e] Percentage of sample results

Appendix C

Table C1-6: Summary of Analytical Results for TPH

TPH →	Gasoline (C4-C12)	Diesel Components (C12-C23)	Motor Oils (C23-C40)
	µg/L	µg/L	µg/L
PA-MW1	< 50	160	320
PA-MW2	< 50	2400	3300
PA-MW3	< 50	460	700
PA-GW4	< 50	2200	3200
PA-GW5	< 50	60	< 96
PA-GW6	< 50	100	< 96
PA-GW6B Dup	< 50	43	< 96
PA-GW7	310	1700	1300
PA-GW8	< 50	100	410
PA-GW9	< 50	< 21	< 94
PA-GW10	1100	9400	1000
PA-GW11	680	2200	470
PA-GW12	78	3200	7300
PA-GW12B Dup			8400
PA-GW13	56	3700	3200
PA-GW14	98	4500	29000
PA-GW15	< 50	4400	< 96
PA-GW16	< 50	67	< 96
PA-GW16B Dup	< 50	53	< 96
PA-GW17	120	64	2200
PA-GW18	< 50	1800	< 92
PA-GW19	< 50	25	< 96
PA-GW20	80	97	< 390
PA-GW21	73	2100	13000
PA-GW22	< 50	11000	< 96
PA-GW23	280	66	< 480
PA-GW24	< 50	2000	< 96
PA-GW25	110	69	2700
PA-GW26	590	2400	1100
PA-GW26B Dup	560	3200	
PA-GW27	< 50	170	270

Minimum	< 50	< 21	< 92
Average[a]	146	2017	2605
Maximum	1,100	11,000	29,000
MCL[b]			
Number Analyzed[c]	27	27	27
Number Detected[c]	12	26	16
Number >MCL[c]			
Freq. of Detection[d]	44%	96%	59%
Freq. Exceed MCL[e]			

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100

Appendix C
Table C1-8: Summary of Analytical Results for Pesticide

Pesticides →	Aldrin	Alpha BHC (Alpha Hexachlorocyclohexane)	Alpha Endosulfan	Alpha-Chlordane	Beta BHC (Beta Hexachlorocyclohexane)	Beta Endosulfan	Chlordane	Delta BHC (Delta Hexachlorocyclohexane)	Dieldrin	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Gamma BHC (Lindane)	Gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	p,p'-DDD	p,p'-DDE	p,p'-DDT	Toxaphene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 1.4	< 1.2	< 4.5	< 3.6	< 1.4	< 6.2		< 1.9	< 4.8	< 18	< 4	< 18	< 18	< 1.3	< 3.6	< 1.4	< 2.3	< 14	< 17	< 6.8	< 19	< 290
PA-MW2	< 6	< 4.8	< 19	< 15	< 6	< 26		< 7.8	< 20	< 75	< 17	< 73	< 73	< 5.4	< 15	< 6	< 9.6	< 60	< 69	< 28	< 78	< 1200
PA-MW3	< 7.4	< 5.9	< 23	< 18	< 7.4	< 32		< 9.6	< 24	< 93	< 21	< 90	< 90	< 6.6	< 18	< 7.4	< 12	< 74	< 85	< 35	< 96	< 1500
PA-GW4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 3
PA-GW5	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW6	< 0.011	< 0.0089	< 0.034	< 0.011	< 0.011	< 0.048	< 0.56	< 0.014	< 0.037	< 0.14	< 0.031	< 0.14	< 0.14	< 0.01	< 0.011	< 0.011	< 0.018	< 0.11	< 0.13	< 0.052	< 0.14	< 2.2
PA-GW6B Dup	< 0.011	< 0.0087	< 0.034	< 0.011	< 0.011	< 0.047	< 0.54	< 0.014	< 0.036	< 0.14	< 0.03	< 0.13	< 0.13	< 0.0098	< 0.011	< 0.011	< 0.017	< 0.11	< 0.12	< 0.051	< 0.14	< 2.2
PA-GW7	< 0.009	< 0.017	< 0.012	< 0.011	0.12	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		0.12	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 3
PA-GW9	< 2.1	< 1.7	< 6.4	< 5.2	< 2.1	< 8.9		< 2.7	< 6.8	< 26	< 5.8	< 25	< 25	< 1.9	< 5.2	< 2.1	< 3.3	< 21	< 24	< 9.7	< 27	< 410
PA-GW10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	0.14	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 3
PA-GW11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	0.14	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 3
PA-GW12	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	0.03	< 0.041
PA-GW13	< 0.0094	< 0.0075	< 0.029	< 0.0094	< 0.0094	< 0.041	< 0.47	< 0.012	< 0.031	< 0.12	< 0.026	< 0.12	< 0.12	< 0.0085	< 0.0094	< 0.0094	< 0.015	< 0.094	< 0.11	< 0.044	< 0.12	< 1.9
PA-GW14	< 0.055	< 0.044	< 0.17	< 0.14	< 0.055	< 0.24		< 0.072	< 0.18	< 0.7	< 0.15	< 0.67	< 0.67	< 0.05	< 0.14	< 0.055	< 0.088	< 0.55	< 0.64	< 0.26	< 0.72	< 11
PA-GW15	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW16	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW16B Dup	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 3
PA-GW18	< 15	< 12	< 46	< 37	< 15	< 64		< 19	< 49	< 190	< 42	< 180	< 180	< 13	< 37	< 15	< 24	< 150	< 170	< 70	< 190	< 3000
PA-GW19	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW20	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	0.05	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	0.03	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW21	< 0.1	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	0.27	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	0.16	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW22	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW23	< 0.009	0.02	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 3
PA-GW25	< 0.009	< 0.017	< 0.012	< 0.011	< 0.045	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03		< 0.018	< 0.048	< 0.013	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW26	0.05	0.08	< 0.012	< 0.011	0.75	< 0.019	< 0.14	0.19	< 0.015	< 0.019	< 0.02	< 0.03		0.56	< 0.048	0.25	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW26B Dup	0.01	0.07	< 0.012	< 0.011	0.88	< 0.019	< 0.14	0.27	< 0.015	< 0.019	< 0.02	< 0.03		0.64	< 0.048	0.32	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
PA-GW27	< 0.0097	< 0.0077	< 0.03	< 0.0097	< 0.0097	< 0.042	< 0.48	< 0.013	< 0.032	< 0.12	< 0.027	< 0.12	< 0.12	< 0.0087	< 0.0097	< 0.0097	< 0.015	< 0.097	< 0.11	< 0.045	< 0.13	< 1.9
Minimum	< 0.009	< 0.008	< 0.012	< 0.009	< 0.009	< 0.019	< 0.14	< 0.022	< 0.015	< 0.019	< 0.02	< 0.03	< 0.12	< 0.009	< 0.009	< 0.009	< 0.012	< 0.013	< 0.013	< 0.015	< 0.021	< 0.041
Average[a]	0.609	0.493	1.9	1.5	0.644	2.6	0.2	0.802	2.0	7.5	1.7	7.2	7.2	0.563	1.5	0.615	0.971	6.0	6.8	2.8	7.630	119.2
Maximum	0.05	0.08	< 46	< 37	0.88	< 64	< 1.0	0.27	< 0.015	< 0.019	< 0.02	< 180	< 180	0.64	< 37	0.32	0.16	< 150	< 170	< 70	0.03	< 3000
MCL[b]							**2**				**20**			**2**		**0.4**	**0.2**	**40**				**3**
Number Analyzed[c]	27	27	27	27	27	27	21	27	27	27	27	27	9	27	27	27	27	27	27	27	27	27
Number Detected[c]	1	2	0	0	2	0	0	5	0	0	0	0	0	2	0	1	2	0	0	0	1	0
Number >MCL[c]							0				0			0		0	0	0				0
Freq. of Detection[d]	4%	7%	0%	0%	7%	0%	0%	19%	0%	0%	0%	0%	0%	7%	0%	4%	7%	0%	0%	0%	4%	0%
Freq. Exceed MCL[e]							0%				0%			0%		0%	0%	0%				0%

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit
[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006
[c] Excluding duplicates
[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100
[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100

Appendix C

Table C1-9: Summary of Analytical Results for Herbicide

Herbicides →	2,4 DB	2,4,5-T (Trichlorophenoxyacetic Acid)	2,4-D (Dichlorophenoxyacetic Acid)	Dalapon	Dicamba	Dichloroprop	Dinoseb	MCPA	MCPP	Silvex (2,4,5-TP)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 0.45	< 0.33	< 0.27	< 0.34	< 0.32	< 0.25	< 0.42	< 190	< 66	< 0.32
PA-MW2	< 0.41	< 0.31	< 0.25	< 0.32	< 0.3	< 0.24	< 0.39	< 180	< 62	< 0.3
PA-MW3	< 0.41	< 0.31	< 0.25	< 0.32	< 0.3	< 0.24	< 0.39	< 180	< 62	< 0.3
PA-GW4	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW5	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW6	< 0.46	< 0.34	< 0.28	< 0.35	< 0.33	< 0.26	< 0.43	< 190	< 68	< 0.33
PA-GW7	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW8	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW9	< 0.51	< 0.38	< 0.31	< 0.39	< 0.37	< 0.29	< 0.49	< 220	< 77	< 0.38
PA-GW10	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW11	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW12	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW13	< 0.43	< 0.32	< 0.26	< 0.33	< 0.31	< 0.25	< 0.41	< 180	< 64	< 0.32
PA-GW14	< 0.71	< 0.53	< 0.43	< 0.54	< 0.51	< 0.4	< 0.67	< 300	< 110	< 0.52
PA-GW15	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW16	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW16B Dup	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW17	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW18	< 0.45	< 0.34	< 0.27	< 0.34	< 0.32	< 0.26	< 0.42	< 190	< 67	< 0.33
PA-GW19	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW20	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW21	< 3.7	< 1.5	< 2.4	6.1	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW22	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW23	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW24	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW25	< 3.7	< 1.5	< 2.4	< 0.92	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW26	< 3.7	< 1.5	< 2.4	< 7	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
PA-GW26B Dup	< 3.7	< 1.5	< 2.4	< 4	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5

Minimum	< 0.41	< 0.31	< 0.25	< 0.32	< 0.32	< 0.24	< 0.39	< 180	< 62	< .3
Average[a]	1.4	0.6	0.9	0.71	0.6	1.0	1.6	180.2	132.2	0.9
Maximum	< 3.7	< 1.5	< 2.4	6.1	< 1.6	< 2.9	< 4.4	< 430	< 350	< 2.5
MCL[b]			**70**	**200**			**7**			**50**
Number Analyzed[c]	26	26	26	26	26	26	26	26	26	26
Number Detected[c]	0	0	0	1	0	0	0	0	0	0
Number >MCL[c]			0	0			0			0
Freq. of Detection[d]	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
Freq. Exceed MCL[e]			0%	0%			0%			0%

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection lim

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 200

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 10

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 10

Appendix C

Table C1-10: Summary of Analytical Results for PCB

PCBs →	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)	PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1268 (Arochlor 1268)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PA-MW1	< 0.083	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.016	< 0.48
PA-MW2	< 0.082	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.016	< 0.48
PA-MW3	< 0.082	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.016	< 0.48
PA-GW4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
PA-GW5	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW6	< 0.096	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.019	< 0.56
PA-GW6B Dup	< 0.093	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.018	< 0.54
PA-GW7	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
PA-GW9	< 1.9	< 21	< 21	< 21	< 21	< 21	< 1.4	< 21
PA-GW10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
PA-GW11	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
PA-GW12	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW13	< 0.081	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.016	< 0.47
PA-GW14	< 0.086	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.017	< 0.5
PA-GW15	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW16	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW16B Dup	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW17	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
PA-GW18	< 1.8	< 21	< 21	< 21	< 21	< 21	< 1.4	< 21
PA-GW19	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW20	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW21	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW22	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW23	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW24	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
PA-GW25	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW26	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW26B Dup	< 0.57	< 0.36	< 0.71	< 0.58	< 0.41	< 0.58	< 0.61	
PA-GW27	< 0.083	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.016	< 0.48
Minimum	< 0.081	< 0.36	< 0.47	< 0.47	< 0.41	< 0.47	< 0.016	< 0.47
Average[a]	0.3	1.0	1.1	1.1	1.0	1.1	0.3	0.8
Maximum	< 1.9	< 21	< 21	< 21	< 21	< 21	< 1.4	< 21
MCL[b]	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Number Analyzed[c]	27	27	27	27	27	27	27	9
Number Detected[c]	0	0	0	0	0	0	0	0
Number >MCL[c]	0	0	0	0	0	0	0	0
Freq. of Detection[d]	0%	0%	0%	0%	0%	0%	0%	0%
Freq. Exceed MCL[e]	0%	0%	0%	0%	0%	0%	0%	0%

[a] Average of all results, excluding duplicates; results reported below detection limits averaged as 1/2 value of detection limit

[b] Maximum Contaminant Level, EPA Drinking Water Standard (2003); Arsenic MCL based on new standard to become effective January 2006

[c] Excluding duplicates

[d] Percentage of sample results above detection limits; = Number Detected / Number Analyzed * 100

[e] Percentage of sample results above MCL limits; = Number >MCL / Number Analyzed * 100