IAPMO RESEARCH AND TESTING, INC.

A NON-PROFIT CORPORATION
5001 E. Philadelphia Street Ontario, CA 91761 (909) 472-4100 Fax (909) 472-4150

TRUESDAIL LABORATORIES, INC.
of
TUSTIN, CA United States

is recognized by IAPMO Research and Testing, Inc. as an independent Testing Laboratory. IAPMO Research and Testing, Inc. agrees to accept these results prepared by the Laboratory in accordance with the policies and procedures agreed to by the laboratory in the Laboratory Listing Agreement. The Laboratory has satisfactorily demonstrated it's compliance to ISO/IEC 17025-1999, and has been verified as capable of performing tests in the following categories:

•Cement/Slder/Joint Compound• •Metal Pipe/Fittings• •NSF 61.9• •Toxicity Testing• •Valves/Faucets• •Water Filters/Conditioners•

IAPMO Research and Testing, Inc. will accept from the Laboratory only results of testing conducted under the direct control and supervision of employees of the Laboratory.

This Laboratory Listing is valid beginning 10/31/2005 and expires after **10/31/2006.** This recognition is subject to the conditions set forth by IAPMO Research and Testing, Inc. and is not to be construed as approval, recommendation, endorsement of guarantee by IAPMO Research and Testing, Inc. of the qualifications or services offered b the Laboratory. Any alteration or falsification of this certificate may constitute grounds for delisting of the Laboratory. Reproduction of this certificate, in whole or in part, for advertising purposes without the expressed written permission of IAPMO Research and Testing, Inc. is strictly prohibited.

Shahin Moinian
Senior Director of Research and Testing

Jin Luo
Director of Laboratory Recognition

IAPMO RESEARCH AND TESTING, INC.

LABORATORY LISTING

APPENDIX "A"
TRUESDAIL LABORATORIES, INC.
of
TUSTIN, CA United States

Accepted: 10/31/2005 **Void After: 10/31/2006**

APPLICABLE STANDARDS BY CAPABILITIES:

CEMENTS, SOLDERS & JOINT COMPOUNDS:
NSF 61

METAL PIPE & FITTINGS:
NSF 61, NSF 14

TOXICITY TESTING:
NSF 61, NSF 14

VALVES & FAUCETS:
ASME A112.18.1 (Toxicity only NSF 61)

WATER FILTERS & CONDITIONERS:
NSF 42, 53, 58(extraction test only, no performance)

Dataset
Dataset 1

Accreditors

Evaluations of this dataset will be sent to the accreditor(s) listed below using your laboratory's labcode listed above each accrediting agency. If any of the information listed below is incorrect, please contact RTC immediately.

Accrediting Labcode **ELAP 1237**
California Dept. of Health Services
Environmental Lab Accred. Program Branch
104 Fred Choske
850 Marina Bay Parkway
Bldg. P, 1st Floor, MS 7103
Richmond CA 94804
UNITED STATES

Analyte Group N/A

Analysis
EPA 615
Not Applicable

Method Number 10105609
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
2,4,5-T [1, 4] 8655 / PEO-094 - Lot 010862	4.48 µg/L	0.378 to 7.69 1.60 to 6.47	0.36	3 / 17	ACCEPTABLE

Analysis
EPA 624
Not Applicable

Method Number 10107207
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Acrolein (Propenal) [4] 4325 / PEO-250 - Lot 001785	<20 µg/L	0.00 to 23.8 12.5 to 21.5			ACCEPTABLE
Acrylonitrile [4] 4340 / PEO-250 - Lot 001785	31.1 µg/L	24.0 to 56.0 29.3 to 50.7	-1.67	1 / 1	ACCEPTABLE

Analysis
EPA 8082
Not Applicable

Method Number 10179007
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aroclor-1016 (PCB-1016) [1, 3, 4] 8880 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1016 (PCB-1016) [1, 3, 4] 8880 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1221 (PCB-1221) [4] 8885 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1221 (PCB-1221) [4] 8885 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1232 (PCB-1232) [4] 8890 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1232 (PCB-1232) [4] 8890 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1242 (PCB-1242) [1, 3, 4] 8895 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1242 (PCB-1242) [1, 3, 4] 8895 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1248 (PCB-1248) [4] 8900 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1248 (PCB-1248) [4] 8900 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0.00 to 0.00			ACCEPTABLE
Aroclor-1254 (PCB-1254) [1, 3, 4] 8905 / PEO-072-1 - Lot 010867	30.6 mg/Kg	3.71 to 72.9	-0.67	14 / 21	ACCEPTABLE
Aroclor-1254 (PCB-1254) [1, 3, 4] 8905 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1260 (PCB-1260) [1, 3, 4] 8910 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor-1260 (PCB-1260) [1, 3, 4] 8910 / PEO-072-2 - Lot 010868	13.3 mg/Kg	0.00 to 37.7	-0.78	13 / 21	ACCEPTABLE

Analyte Group N/A (continued)

Analysis
EPA 8082
Not Applicable

(continued)
Method Number 10179007
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aroclor 1016/1242 [1, 3, 4] 8912 / PEO-072-1 - Lot 010867	<1.0 mg/Kg	0 to 0			ACCEPTABLE
Aroclor 1016/1242 [1, 3, 4] 8912 / PEO-072-2 - Lot 010868	<1.0 mg/Kg	0 to 0			ACCEPTABLE

Acids

Acid Compouds - WPCHEM

Analysis
EPA 625
Not Applicable

Method Number 10107401
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Benzoic acid [4] 5610 / PEO-022 - Lot 010845	94.4 µg/L	0.00 to 164	1.09	16 / 17	ACCEPTABLE
4-Chloro-3-methylphenol [4] 5700 / PEO-022 - Lot 010845	176 µg/L	73.3 to 238 101 to 210	0.82	22 / 27	ACCEPTABLE
2-Chlorophenol [1, 4] 5800 / PEO-022 - Lot 010845	180 µg/L	52.6 to 235 83.0 to 205	1.18	29 / 29	ACCEPTABLE
2,4-Dichlorophenol [1, 4] 6000 / PEO-022 - Lot 010845	73.1 µg/L	21.6 to 88.9 32.8 to 77.7	1.59	27 / 27	ACCEPTABLE
2,6-Dichlorophenol [4] 6005 / PEO-022 - Lot 010845	106 µg/L	36.9 to 136 53.5 to 120	1.17	15 / 18	ACCEPTABLE
2,4-Dimethylphenol [1, 4] 6130 / PEO-022 - Lot 010845	73.8 µg/L	15.6 to 104 30.3 to 89.3	0.95	26 / 29	ACCEPTABLE
2,4-Dinitrophenol [1, 4] 6175 / PEO-022 - Lot 010845	131 µg/L	0.00 to 205 33.9 to 171	0.84	13 / 26	ACCEPTABLE
2-Methyl-4,6-dinitrophenol [1, 4] 6360 / PEO-022 - Lot 010845	84.5 µg/L	28.1 to 128 44.8 to 111	0.38	9 / 28	ACCEPTABLE
2-Methylphenol (o-Cresol) [1, 4] 6400 / PEO-022 - Lot 010845	74.4 µg/L	14.2 to 93.5 27.4 to 80.3	1.55	29 / 28	ACCEPTABLE
3+4-Methylphenol (m+p-Cresol) [1, 4] 6412 / PEO-022 - Lot 010845	165 µg/L	8.21 to 212 42.1 to 178	1.62	25 / 24	ACCEPTABLE
2-Nitrophenol [1, 4] 6490 / PEO-022 - Lot 010845	86.1 µg/L	23.3 to 115 38.6 to 99.6	1.12	30 / 31	ACCEPTABLE
4-Nitrophenol [1, 4] 6500 / PEO-022 - Lot 010845	100 µg/L	0.00 to 140 0.971 to 112	1.56	24 / 26	ACCEPTABLE
Pentachlorophenol [1, 4] 6605 / PEO-022 - Lot 010845	129 µg/L	37.3 to 191 62.9 to 165	0.58	13 / 25	ACCEPTABLE
Phenol [1, 4] 6625 / PEO-022 - Lot 010845	94.2 µg/L	0.00 to 147 4.10 to 119	1.15	26 / 27	ACCEPTABLE
2,4,5-Trichlorophenol [1, 4] 6835 / PEO-022 - Lot 010845	165 µg/L	55.4 to 202 79.9 to 178	1.47	18 / 25	ACCEPTABLE
2,4,6-Trichlorophenol [1, 4] 68400 / PEO-022 - Lot 010845	146 µg/L	56.0 to 213 81.4 to 187	0.45	3 / 25	ACCEPTABLE

Group Analysis Summary

Acceptable 74 / 16
Score 462.5% - (Acceptable)

Base/Neutrals

Base/Neutrals

Analysis
EPA 625
Not Applicable

Method Number 10107401
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
1,2-Dichlorobenzene [1, 4] 4610 / PEO-121-2A - Lot 010884	40.3 µg/L	6.02 to 72.4 17.1 to 61.4	0.10	5 / 29	ACCEPTABLE
1,3-Dichlorobenzene [1, 4] 4615 / PEO-121-2A - Lot 010884	90.0 µg/L	15.7 to 151 38.2 to 128	0.31	9 / 29	ACCEPTABLE

Base/Neutrals (continued)

Base/Neutrals

Analysis
EPA 625
Not Applicable

(continued)
Method Number 10107401
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
1,4-Dichlorobenzene [1, 4] 4620 / PEO-121-2A - Lot 010884	38.3 µg/L	4.02 to 68.3 14.7 to 57.6	0.20	4 / 29	ACCEPTABLE
Hexachlorobutadiene [1, 4] 4835 / PEO-121-2A - Lot 010884	117 µg/L	20.8 to 193 49.5 to 164	0.35	10 / 27	ACCEPTABLE
Hexachloroethane [1, 4] 4840 / PEO-121-2A - Lot 010884	104 µg/L	13.7 to 152 36.8 to 129	0.92	17 / 27	ACCEPTABLE
Naphthalene [1, 4] 5005 / PEO-121-1 - Lot 010879	34.3 µg/L	12.3 to 48.3 18.3 to 42.3	0.67	20 / 33	ACCEPTABLE
Nitrobenzene [1, 4] 5015 / PEO-121-2A - Lot 010884	52.0 µg/L	16.1 to 61.9 23.7 to 54.3	1.70	32 / 29	ACCEPTABLE
Pyridine [4] 5095 / PEO-121-2B - Lot 010819	42.0 µg/L	1.12 to 61.0	1.10	14 / 18	ACCEPTABLE
1,2,4-Trichlorobenzene [1, 4] 5155 / PEO-121-2A - Lot 010884	73.1 µg/L	20.3 to 117 35.7 to 97.1	0.44	9 / 29	ACCEPTABLE
Acenaphthene [1, 4] 5500 / PEO-121-1 - Lot 010879	212 µg/L	75.8 to 230 102 to 205	2.28	27 / 32	CHECK
Acenaphthylene [1, 4] 5505 / PEO-121-1 - Lot 010879	172 µg/L	78.2 to 233 104 to 207	0.63	25 / 31	ACCEPTABLE
Aniline [4] 5545 / PEO-121-2B - Lot 010819	98.6 µg/L	0.00 to 272	-0.18	5 / 24	ACCEPTABLE
Anthracene [1, 4] 5555 / PEO-121-1 - Lot 010879	32.2 µg/L	16.7 to 49.6 22.2 to 44.1	-0.17	2 / 33	ACCEPTABLE
Benzo(a)anthracene [1, 4] 5575 / PEO-121-1 - Lot 010879	75.2 µg/L	40.0 to 112 51.9 to 99.6	-0.05	5 / 33	ACCEPTABLE
Benzo(a)pyrene [1, 4] 5580 / PEO-121-1 - Lot 010879	65.0 µg/L	18.7 to 80.0 28.9 to 69.8	1.53	26 / 33	ACCEPTABLE
Benzo(b)fluoranthene [1, 4] 5585 / PEO-121-1 - Lot 010879	29.8 µg/L	10.9 to 45.1 16.6 to 39.4	0.32	9 / 31	ACCEPTABLE
Benzo(g,h,i)perylene [1, 4] 5590 / PEO-121-1 - Lot 010879	26.4 µg/L	6.11 to 40.3 11.8 to 34.6	0.56	22 / 32	ACCEPTABLE
Benzidine [1, 4] 5595 / PEO-121-2A - Lot 010884	156 µg/L	0.00 to 783 0.00 to 624	-0.96	12 / 19	ACCEPTABLE
Benzo(k)fluoranthene [1, 4] 5600 / PEO-121-1 - Lot 010879	53.4 µg/L	12.3 to 77.0 23.1 to 66.3	0.81	19 / 33	ACCEPTABLE
Benzo(b+k)fluoranthene [4] 5601 / PEO-121-1 - Lot 010879	83.2 µg/L	20.8 to 122 37.7 to 105	0.71	7 / 16	ACCEPTABLE
Benzyl alcohol [4] 5630 / PEO-121-2B - Lot 010819	63.4 µg/L	1.94 to 107	0.68	19 / 25	ACCEPTABLE
4-Bromophenyl phenyl ether [1, 4] 5660 / PEO-121-2A - Lot 010884	173 µg/L	60.9 to 255 93.2 to 222	0.47	12 / 27	ACCEPTABLE
Butyl benzyl phthalate [1, 4] 5670 / PEO-121-2A - Lot 010884	97.7 µg/L	28.7 to 201 57.4 to 172	-0.59	3 / 27	ACCEPTABLE
Carbazole [4] 5680 / PEO-121-2B - Lot 010819	88.7 µg/L	0.00 to 244	-0.44	11 / 23	ACCEPTABLE
4-Chloroaniline [4] 5745 / PEO-121-2B - Lot 010819	60.4 µg/L	70.0 to 210	-2.99	26 / 27	NOT ACCEPTABLE
bis(2-Chloroethoxy)methane [1, 4] 5760 / PEO-121-2A - Lot 010884	101 µg/L	51.0 to 153 68.0 to 136	-0.05	3 / 27	ACCEPTABLE
bis(2-Chloroethyl) ether [1, 4] 5765 / PEO-121-2A - Lot 010884	144 µg/L	40.0 to 182 63.8 to 159	1.38	21 / 27	ACCEPTABLE
bis(2-Chloroisopropyl) ether [1, 4] 5780 / PEO-121-2A - Lot 010884	63.1 µg/L	19.7 to 94.2 32.1 to 81.8	0.50	15 / 27	ACCEPTABLE
1-Chloronaphthalene [4] 5790 / PEO-121-2B - Lot 010819	165 µg/L	48.0 to 228	2.23	8 / 11	ACCEPTABLE
2-Chloronaphthalene [1, 4] 5795 / PEO-121-2A - Lot 010884	144 µg/L	56.3 to 219 83.4 to 192	0.24	3 / 25	ACCEPTABLE
4-Chlorophenyl phenylether [1, 4] 5825 / PEO-121-2A - Lot 010884	20.4 µg/L	12.3 to 41.4 17.1 to 36.5	-1.33	22 / 27	ACCEPTABLE

Base/Neutrals (continued)

Base/Neutrals

Analysis
EPA 625
Not Applicable

(continued)
Method Number 10107401
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Chrysene [1, 4] 5855 / PEO-121-1 - Lot 010879	16.7 µg/L	6.96 to 22.5 9.55 to 19.9	0.76	19 / 31	ACCEPTABLE
Dibenz(a,h) anthracene [1, 4] 5895 / PEO-121-1 - Lot 010879	36.4 µg/L	9.47 to 61.8 16.5 to 44.8	0.81	24 / 31	ACCEPTABLE
Dibenzofuran [1, 4] 5905 / PEO-121-2A - Lot 010884	79.1 µg/L	35.0 to 124 49.9 to 109	-0.03	1 / 22	ACCEPTABLE
Di-n-butyl phthalate [1, 4] 5925 / PEO-121-2A - Lot 010884	107 µg/L	45.5 to 181 68.1 to 158	-0.28	5 / 25	ACCEPTABLE
3,3'-Dichlorobenzidine [1, 4] 5945 / PEO-121-2A - Lot 010884	146 µg/L	36.9 to 229 68.9 to 197	0.41	4 / 23	ACCEPTABLE
Diethyl phthalate [1, 4] 6070 / PEO-121-2A - Lot 010884	105 µg/L	21.8 to 162 45.1 to 138	0.57	3 / 23	ACCEPTABLE
Dimethyl phthalate [1, 4] 6135 / PEO-121-2A - Lot 010884	89.3 µg/L	0.00 to 157 16.7 to 129	0.59	5 / 22	ACCEPTABLE
2,4-Dinitrotoluene (2,4-DNT) [1, 4] 6185 / PEO-121-2A - Lot 010884	133 µg/L	62.9 to 210 90.0 to 186	-0.21	5 / 25	ACCEPTABLE
2,6-Dinitrotoluene (2,6-DNT) [1, 4] 6190 / PEO-121-2A - Lot 010884	120 µg/L	68.1 to 202 90.5 to 180	-0.68	12 / 25	ACCEPTABLE
Di-n-octyl phthalate [1, 4] 6200 / PEO-121-2A - Lot 010884	134 µg/L	33.8 to 272 73.5 to 232	-0.48	12 / 21	ACCEPTABLE
bis(2-Ethylhexyl) phthalate (DEHP) [1, 4] 6255 / PEO-121-2A - Lot 010884	141 µg/L	50.2 to 232 80.4 to 201	0.00	1 / 21	ACCEPTABLE
Fluoranthene [1, 4] 6265 / PEO-121-1 - Lot 010879	62.4 µg/L	34.0 to 92.8 43.8 to 83.0	-0.16	3 / 33	ACCEPTABLE
Fluorene [1, 4] 6270 / PEO-121-1 - Lot 010879	84.0 µg/L	36.1 to 102 47.1 to 91.2	1.35	28 / 33	ACCEPTABLE
Hexachlorobenzene [1, 4] 6275 / PEO-121-2A - Lot 010884	64.2 µg/L	25.4 to 74.6 33.7 to 66.6	1.71	19 / 23	ACCEPTABLE
Hexachlorocyclopentadiene [1, 4] 6285 / PEO-121-2A - Lot 010884	93.9 µg/L	0.00 to 177 15.7 to 144	0.43	12 / 21	ACCEPTABLE
Indeno(1,2,3-cd) pyrene [1, 4] 6315 / PEO-121-1 - Lot 010879	46.0 µg/L	9.26 to 80.5 17.8 to 51.9	1.31	23 / 31	ACCEPTABLE
Isophorone [1, 4] 6320 / PEO-121-2A - Lot 010884	80.4 µg/L	39.0 to 128 53.8 to 113	-0.21	7 / 23	ACCEPTABLE
1-Methylnaphthalene [4] 6380 / PEO-121-2B - Lot 010819	54.1 µg/L	28.3 to 84.9	-0.24	1 / 17	ACCEPTABLE
2-Methylnaphthalene [1, 4] 6385 / PEO-121-2A - Lot 010884	78.8 µg/L	15.1 to 96.0 28.6 to 82.6	1.72	18 / 22	ACCEPTABLE
2-Nitroaniline [4] 6460 / PEO-121-2B - Lot 010819	54.5 µg/L	29.0 to 86.9	-0.36	5 / 24	ACCEPTABLE
3-Nitroaniline [4] 6465 / PEO-121-2B - Lot 010819	<25 µg/L	0 to 0			ACCEPTABLE
4-Nitroaniline [4] 6470 / PEO-121-2B - Lot 010819	139 µg/L	0.00 to 248	0.47	11 / 24	ACCEPTABLE
n-Nitrosodiethylamine [4] 6525 / PEO-121-2B - Lot 010819	40.5 µg/L	22.8 to 68.4	-24.39	2 / 6	ACCEPTABLE
n-Nitrosodimethylamine [1, 4] 6530 / PEO-121-2A - Lot 010884	93.7 µg/L	0.00 to 107 9.37 to 87.6	2.31	18 / 18	CHECK
n-Nitrosodiphenylamine [1, 4] 6535 / PEO-121-2A - Lot 010884	70.7 µg/L	14.7 to 88.7 27.0 to 76.4	1.54	21 / 20	ACCEPTABLE
n-Nitrosodi-n-propylamine [1, 4] 6545 / PEO-121-2A - Lot 010884	92.8 µg/L	24.5 to 111 38.8 to 96.3	1.76	24 / 23	ACCEPTABLE
Phenanthrene [1, 4] 6615 / PEO-121-1 - Lot 010879	78.5 µg/L	40.5 to 105 51.4 to 94.6	0.51	7 / 29	ACCEPTABLE
Pyrene [1, 4] 6665 / PEO-121-1 - Lot 010879	104 µg/L	41.6 to 169 62.8 to 148	-0.05	2 / 29	ACCEPTABLE

Base/Neutrals (continued)

Base/Neutrals

Group Analysis Summary
Acceptable 74 / 59
Score 125.4% - (Acceptable)

Demands

Analysis
EPA 405.1
Not Applicable
Method Number 10075602
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Biochemical oxygen demand (BOD) [1, 3, 4] 1530 / PEI-026 - Lot 010965	78 mg/L	42.1 to 125 55.9 to 111	-0.40	27 / 59	ACCEPTABLE
Carbonaceous BOD (CBOD) [1, 3, 4] 1555 / PEI-026 - Lot 010965	74 mg/L	32.0 to 111 45.1 to 97.6	0.20	6 / 38	ACCEPTABLE

Analysis
EPA 410.4
Not Applicable
Method Number 10077006
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Chemical oxygen demand (COD) [1, 3, 4] 1565 / PEI-026 - Lot 010965	140 mg/L	102 to 154 110 to 146	1.37	35 / 47	ACCEPTABLE

Analysis
EPA 415.2
Not Applicable
Method Number 10078601
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Total organic carbon (TOC) [1, 3, 4] 2040 / PEI-026 - Lot 010965	49.5 mg/L	44.1 to 60.8 46.9 to 58.0	-1.06	21 / 34	ACCEPTABLE

Herbicides

Herbicides

Analysis
EPA 615
Not Applicable
Method Number 10105609
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Pentachlorophenol [4] 6605 / PEO-094 - Lot 010862	2.19 µg/L	1.34 to 4.02	-0.74	4 / 10	ACCEPTABLE
Acifluorfen [4] 8505 / PEO-094 - Lot 010862	7.10 µg/L	0.00 to 26.2 0.00 to 20.0	-0.08	2 / 6	ACCEPTABLE
Bentazon [4] 8530 / PEO-094 - Lot 010862	1.98 µg/L	0.00 to 55.1	-1.54	8 / 6	ACCEPTABLE
2,4-D [1, 4] 8545 / PEO-094 - Lot 010862	4.93 µg/L	0.00 to 12.2 1.55 to 10.1	-0.41	7 / 17	ACCEPTABLE
2,4-DB [4] 8560 / PEO-094 - Lot 010862	7.56 µg/L	4.26 to 12.8	-0.33	3 / 16	ACCEPTABLE
Dicamba [1, 4] 8595 / PEO-094 - Lot 010862	4.86 µg/L	0.510 to 9.17 1.95 to 7.73	0.01	1 / 17	ACCEPTABLE
3,5-Dichlorobenzoic acid [4] 8600 / PEO-094 - Lot 010862	7.05 µg/L	4.30 to 12.9	-0.41	3 / 5	ACCEPTABLE
Dichloroprop [4] 8605 / PEO-094 - Lot 010862	5.05 µg/L	2.69 to 8.07	-0.24	3 / 16	ACCEPTABLE
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) [4] 8620 / PEO-094 - Lot 010862	1.46 µg/L	1.38 to 4.13	-1.23	17 / 17	ACCEPTABLE
Picloram [4] 8645 / PEO-094 - Lot 010862	2.22 µg/L	2.57 to 7.70	-1.53	11 / 9	NOT ACCEPTABLE
Silvex (2,4,5-TP) [1, 4] 8650 / PEO-094 - Lot 010862	2.09 µg/L	0.148 to 3.85 0.765 to 3.23	0.15	1 / 17	ACCEPTABLE

Group Analysis Summary
Acceptable 10 / 11
Score 90.9% - (Acceptable)

Minerals

Minerals (continued)

Analysis
EPA 310.1
Amperometric Titration
Method Number 10054601
Technology Code AMP

	Result Units	Accept / Warn	Z	Rank	Evaluation
Alkalinity as CaCO3 [1, 3, 4] 1505 / PEI-027-12 - Lot 010966/0	126 mg/L	107 to 130 111 to 126	1.92	22 / 43	ACCEPTABLE

Analysis
EPA 130.2
Not Applicable
Method Number 10007008
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Hardness, total as CaCO3 [1, 3, 4] 1755 / PEI-027-12 - Lot 010966/0	181 mg/L	157 to 206	0.13	2 / 42	ACCEPTABLE

Analysis
EPA 160.3
Not Applicable
Method Number 10009800
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue, total (TS) [1, 4] 1950 / PEI-027-12 - Lot 010966/0	469 mg/L	439 to 528 454 to 513	-0.99	11 / 27	ACCEPTABLE

Analysis
EPA 376.2
Not Applicable
Method Number 10074405
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Sulfide [1, 4] 2095 / PEI-257 - Lot 010979	1.58 mg/L	0.218 to 3.33 0.737 to 2.81	-0.38	8 / 17	ACCEPTABLE

Analysis
EPA 300.0
Ion Chromatography Electroconductivity
Method Number 10053006
Technology Code IC-COND

	Result Units	Accept / Warn	Z	Rank	Evaluation
Chloride [1, 3, 4] 1575 / PEI-027-12 - Lot 010966/0	163 mg/L	148 to 194 155 to 186	-0.99	39 / 50	ACCEPTABLE
Fluoride [1, 3, 4] 1730 / PEI-027-12 - Lot 010966/0	1.18 mg/L	0.936 to 1.48 1.03 to 1.39	-0.33	11 / 42	ACCEPTABLE
Sulfate [1, 3, 4] 2000 / PEI-027-12 - Lot 010966/0	46.7 mg/L	38.9 to 55.2 41.6 to 52.5	-0.13	3 / 44	ACCEPTABLE

Analysis
EPA 160.1
Gravimetry
Method Number 10009004
Technology Code GRAV

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue-filterable (TDS) [1, 3, 4] 1955 / PEI-027-12 - Lot 010966/0	452 mg/L	349 to 564 385 to 528	-0.13	4 / 36	ACCEPTABLE

Analysis
EPA 200.7
Atomic Emission - Inductvely Coupled Plasma Spectrometry
Method Number 10013408
Technology Code ICP-AES

	Result Units	Accept / Warn	Z	Rank	Evaluation
Calcium, Ca [1, 3, 4] 1035 / PEI-027-12 - Lot 010966/0	30.4 mg/L	26.2 to 33.8 27.5 to 32.5	0.32	11 / 49	ACCEPTABLE
Magnesium, Mg [1, 3, 4] 1085 / PEI-027-12 - Lot 010966/0	25.6 mg/L	22.1 to 29.6 23.4 to 28.4	-0.22	8 / 49	ACCEPTABLE
Potassium, K [1, 3, 4] 1125 / PEI-027-12 - Lot 010966/0	30.4 mg/L	26.8 to 38.2 28.5 to 36.3	-1.02	32 / 44	ACCEPTABLE
Sodium, Na [1, 3, 4] 1155 / PEI-027-12 - Lot 010966/0	81.8 mg/L	75.2 to 102 79.6 to 97.1	-1.50	35 / 41	ACCEPTABLE

Analysis
EPA 120.1
Conductance
Method Number 10006209
Technology Code COND

	Result Units	Accept / Warn	Z	Rank	Evaluation
Conductivity [1, 3, 4] 1610 / PEI-027-12 - Lot 010966/0	814 µmhos/cm	787 to 945 813 to 919	-1.98	41 / 46	ACCEPTABLE

Misc. Analytes

Misc. Analytes (continued)

Analysis
EPA 150.1
Not Applicable
Method Number 10008205
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
pH [1, 3, 4] 1900 / PEI-027-3 - Lot 010658	8.20 Units	7.56 to 9.24 7.84 to 8.96	-0.71	60 / 68	ACCEPTABLE

Analysis
EPA 160.5
Not Applicable
Method Number 10010603
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue-settleable [1, 4, 5] 1965 / PEI-253 - Lot 011010	33.5 mL/L	25.8 to 41.7 28.4 to 39.0	-0.08	1 / 8	ACCEPTABLE

Analysis
EPA 180.1
Not Applicable
Method Number 10011402
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Turbidity [1, 4, 5] 2000 / PEI-250 - Lot 011027	1.26 NTU	0.926 to 1.82 1.08 to 1.67	-0.76	7 / 11	ACCEPTABLE

Analysis
EPA 305.1
Not Applicable
Method Number 10054009
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Acidity, as CaCO3 [1, 4, 5] 1500 / PEI-248 - Lot 010995	794 mg/L	773 to 958 804 to 927	-2.33	5 / 4	CHECK

Analysis
EPA 330.1
Not Applicable
Method Number 10057804
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Total residual chlorine [1, 3, 4] 1940 / PEI-033 - Lot 011007	0.457 mg/L	0.366 to 0.637 0.411 to 0.592	-0.99	37 / 52	ACCEPTABLE

Analysis
EPA 335.2
Not Applicable
Method Number 10060205
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Total cyanide [1, 3, 4] 1645 / PEI-031 - Lot 011006	0.678 mg/L	0.372 to 0.850 0.452 to 0.770	0.84	23 / 38	ACCEPTABLE

Analysis
EPA 420.1
Not Applicable
Method Number 10079206
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Total phenolics [1, 3, 4] 1905 / PEI-032 - Lot 010670	1.54 mg/L	0.840 to 2.20 1.07 to 1.98	0.08	1 / 30	ACCEPTABLE

Analysis
EPA 1664A
Gravimetry
Method Number 10127603
Technology Code GRAV

	Result Units	Accept / Warn	Z	Rank	Evaluation
Oil & Grease [1, 3, 4] 1860 / PEI-029 - Lot 011008	63.3 mg/L	37.8 to 68.9 43.0 to 63.7	1.91	37 / 49	ACCEPTABLE
Total recoverable petroleum hydrocarbons (TRPH) [1, 4] 1935 / PEI-254 - Lot 011019	47.7 mg/L	23.2 to 74.5 31.7 to 66.0	-0.13	1 / 6	ACCEPTABLE

Analysis
SM 18th/20th ED 2540 E
Gravimetry
Method Number 90000014
Technology Code GRAV

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue-volatile [1, 4, 5] 1970 / PEI-270 - Lot 011011	26.5 mg/L	2.99 to 77.4 15.4 to 65.0			ACCEPTABLE

Analysis
EPA 314.0
Ion Chromatography Electroconductivity
Method Number 10055400
Technology Code IC-COND

	Result Units	Accept / Warn	Z	Rank	Evaluation

Misc. Analytes (continued)

Analysis
EPA 314.0
Ion Chromatography Electroconductivity

(continued)
Method Number 10055400
Technology Code IC-COND

	Result Units	Accept / Warn	Z	Rank	Evaluation
Perchlorate [4] 1895 / PEI-266 - Lot 010823	35.2 µg/L	27.4 to 41.0 29.6 to 38.8	0.44	1 / 1	ACCEPTABLE

Nutrients

Analysis
EPA 350.2
Not Applicable

Method Number 10063806
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Ammonia as N [1, 3, 4] 1515 / PEI-028-1 - Lot 010967	8.96 mg/L	6.09 to 10.5 6.83 to 9.79	0.88	40 / 52	ACCEPTABLE

Analysis
EPA 351.3
Not Applicable

Method Number 10065608
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Kjeldahl nitrogen, total (TKN) [1, 3, 4] 1795 / PEI-028-2 - Lot 011004	25.0 mg/L	18.4 to 35.8 21.3 to 32.9	-0.72	27 / 32	ACCEPTABLE

Analysis
EPA 354.1
Not Applicable

Method Number 10066403
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Nitrite as N [1, 4] 1840 / PEI-028-3 - Lot 011005	2.25 mg/L	1.89 to 2.60 2.01 to 2.49	0.01	1 / 48	ACCEPTABLE

Analysis
EPA 365.3
Not Applicable

Method Number 10070607
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Phosphorus, total [1, 3, 4] 1810 / PEI-028-2 - Lot 011004	7.38 mg/L	6.10 to 8.74 6.54 to 8.30	-0.10	4 / 52	ACCEPTABLE

Analysis
EPA 300.0
Ion Chromatography Electroconductivity

Method Number 10053006
Technology Code IC-COND

	Result Units	Accept / Warn	Z	Rank	Evaluation
Nitrate as N [1, 3, 4] 1810 / PEI-028-1 - Lot 010967	19.1 mg/L	14.7 to 22.8 16.1 to 21.4	0.25	12 / 47	ACCEPTABLE

Analysis
EPA 365.2
Not Applicable

Method Number 10070209
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Orthophosphate as P [1, 3, 4] 1870 / PEI-028-1 - Lot 010967	3.27 mg/L	2.54 to 3.71 2.74 to 3.51	0.76	25 / 42	ACCEPTABLE

PCBs in Water

Analysis
EPA 608
Not Applicable

Method Number 10103603
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aroclor-1016 (PCB-1016) [1, 3, 4] 8880 / PEO-020-1 - Lot 010832	<0.5 µg/L	0 to 0 0 to 0			ACCEPTABLE
Aroclor-1016 (PCB-1016) [1, 3, 4] 8880 / PEO-020-2 - Lot 010833	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1221 (PCB-1221) [1, 4] 8885 / PEO-020-1 - Lot 010832	12.9 µg/L	2.06 to 16.4 4.44 to 14.0	1.54	26 / 25	ACCEPTABLE
Aroclor-1221 (PCB-1221) [1, 4] 8885 / PEO-020-2 - Lot 010833	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1232 (PCB-1232) [1, 3, 4] 8890 / PEO-020-1 - Lot 010832	<0.5 µg/L	0 to 0 0 to 0			ACCEPTABLE

PCBs in Water (continued)

Analysis
EPA 608
Not Applicable

(continued)
Method Number 10103603
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aroclor-1232 (PCB-1232) [1, 3, 4] 8890 / PEO-020-2 - Lot 010833	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1242 (PCB-1242) [1, 3, 4] 8895 / PEO-020-1 - Lot 010832	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1242 (PCB-1242) [1, 3, 4] 8895 / PEO-020-2 - Lot 010833	9.35 µg/L	2.09 to 9.76 3.36 to 8.48	2.68	25 / 18	CHECK
Aroclor-1248 (PCB-1248) [1, 3, 4] 8900 / PEO-020-1 - Lot 010832	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1248 (PCB-1248) [1, 3, 4] 8900 / PEO-020-2 - Lot 010833	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1254 (PCB-1254) [1, 3, 4] 8905 / PEO-020-1 - Lot 010832	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1254 (PCB-1254) [1, 3, 4] 8905 / PEO-020-2 - Lot 010833	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1260 (PCB-1260) [1, 3, 4] 8910 / PEO-020-1 - Lot 010832	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor-1260 (PCB-1260) [1, 3, 4] 8910 / PEO-020-2 - Lot 010833	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE
Aroclor 1016/1242 [3, 4] 8912 / PEO-020-1 - Lot 010832	<0.5 µg/L	0.0 to 0.0 0.0 to 0.0			ACCEPTABLE

Pesticides

Pesticides

Analysis
EPA 608
Not Applicable

Method Number 10103603
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aldrin [1, 3, 4] 7025 / PEO-122-1 - Lot 010837	1.01 µg/L	0.265 to 1.21 0.422 to 1.05	1.75	11 / 23	ACCEPTABLE
delta-BHC [1, 4] 7105 / PEO-122-2 - Lot 010875	3.29 µg/L	0.898 to 3.93 1.40 to 3.43	1.73	22 / 23	ACCEPTABLE
alpha-BHC (alpha-Hexachlorocyclohexane) [1, 4] 7110 / PEO-122-2 - Lot 010875	3.16 µg/L	1.04 to 4.14 1.55 to 3.67	1.10	18 / 23	ACCEPTABLE
beta-BHC (beta-Hexachlorocyclohexane) [1, 4] 7115 / PEO-122-2 - Lot 010875	4.23 µg/L	1.48 to 5.12 2.09 to 4.52	1.53	21 / 23	ACCEPTABLE
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) [1, 4] 7120 / PEO-122-2 - Lot 010875	7.28 µg/L	2.72 to 9.22 3.81 to 8.14	1.21	18 / 23	ACCEPTABLE
alpha-Chlordane [1, 4] 7240 / PEO-122-2 - Lot 010875	1.65 µg/L	0.711 to 2.33 0.980 to 2.06	0.49	8 / 16	ACCEPTABLE
gamma-Chlordane [1, 4] 7245 / PEO-122-2 - Lot 010875	2.38 µg/L	1.04 to 3.40 1.43 to 3.00	0.41	6 / 17	ACCEPTABLE
Chlordane (total) [1, 3, 4] 7250 / PEO-024-2 - Lot 010801	16.7 µg/L	6.79 to 26.1 10.0 to 22.9	0.07	1 / 22	ACCEPTABLE
4,4'-DDD [1, 3, 4] 7355 / PEO-122-1 - Lot 010837	7.19 µg/L	2.46 to 9.51 3.63 to 8.33	1.03	20 / 23	ACCEPTABLE
4,4'-DDE [1, 3, 4] 7360 / PEO-122-1 - Lot 010837	5.56 µg/L	2.33 to 6.88 3.09 to 6.12	1.26	18 / 23	ACCEPTABLE
4,4'-DDT [1, 3, 4] 7365 / PEO-122-1 - Lot 010837	1.48 µg/L	0.605 to 2.42 0.908 to 2.12	-0.11	4 / 24	ACCEPTABLE
Dieldrin [1, 3, 4] 7470 / PEO-122-1 - Lot 010837	9.06 µg/L	4.40 to 12.2 5.70 to 10.9	0.59	12 / 23	ACCEPTABLE
Endosulfan I [1, 4] 7510 / PEO-122-2 - Lot 010875	16.0 µg/L	4.78 to 22.6 7.75 to 19.6	0.78	13 / 23	ACCEPTABLE
Endosulfan II [1, 4] 7515 / PEO-122-2 - Lot 010875	8.31 µg/L	2.28 to 9.33 3.46 to 8.16	2.13	23 / 23	CHECK
Endosulfan sulfate [1, 4] 7520 / PEO-122-2 - Lot 010875	12.6 µg/L	4.62 to 17.8 6.82 to 15.9	0.63	14 / 23	ACCEPTABLE

Pesticides (continued)

Pesticides

Analysis
EPA 608
Not Applicable

(continued)
Method Number 10103603
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Endrin aldehyde [1, 4] 7530 / PEO-122-2 - Lot 010875	11.4 µg/L	2.55 to 13.4 4.38 to 11.6	1.90	22 / 23	ACCEPTABLE
Endrin ketone [1, 4, 5] 7535 / PEO-122-2 - Lot 010875	9.58 µg/L	4.68 to 12.3	0.47	10 / 21	ACCEPTABLE
Endrin [1, 4] 7540 / PEO-122-2 - Lot 010875	3.23 µg/L	1.25 to 4.88 1.86 to 4.28	0.27	5 / 23	ACCEPTABLE
Heptachlor [1, 3, 4] 7685 / PEO-122-1 - Lot 010837	4.98 µg/L	1.74 to 7.37 2.68 to 6.43	0.45	6 / 23	ACCEPTABLE
Heptachlor epoxide [1, 3, 4] 7690 / PEO-122-1 - Lot 010837	4.29 µg/L	1.60 to 4.67 2.11 to 4.16	2.26	15 / 23	CHECK
Methoxychlor [1, 4] 7810 / PEO-122-2 - Lot 010875	4.72 µg/L	1.16 to 7.60 2.24 to 6.53	0.32	10 / 23	ACCEPTABLE
Toxaphene (Chlorinated camphene) [1, 4] 8250 / PEO-093 - Lot 010814	79.8 µg/L	0.00 to 146 17.3 to 120	0.43	7 / 22	ACCEPTABLE

Group Analysis Summary
Acceptable 37 / 22
Score 168.2% - (Acceptable)

Trace Metals

Analysis
EPA 7199
Not Applicable

Method Number 10163005
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Chromium VI, Cr(VI) [1, 4] 1045 / PEI-034-3 - Lot 010971	414 µg/L	321 to 467 345 to 443	0.83	9 / 22	ACCEPTABLE

Analysis
EPA 200.7
Atomic Emission - Inductvely Coupled Plasma Spectrometry

Method Number 10013408
Technology Code ICP-AES

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aluminum, Al [1, 3, 4] 1000 / PEI-034-1 - Lot 010988	2308 µg/L	2010 to 2840 2150 to 2700	-0.85	26 / 49	ACCEPTABLE
Antimony, Sb [1, 3, 4] 1005 / PEI-034-2 - Lot 010987	367 µg/L	310 to 538 348 to 500	-1.50	43 / 60	ACCEPTABLE
Arsenic, As [1, 3, 4] 1010 / PEI-034-1 - Lot 010988	313 µg/L	276 to 390 295 to 371	-1.07	48 / 64	ACCEPTABLE
Barium, Ba [1, 3, 4] 1015 / PEI-034-5 - Lot 010970	1156 µg/L	1020 to 1350 1080 to 1290	-0.66	25 / 51	ACCEPTABLE
Beryllium, Be [1, 3, 4] 1020 / PEI-034-1 - Lot 010988	81.2 µg/L	73.4 to 99.2 77.7 to 94.9	-1.18	40 / 52	ACCEPTABLE
Boron, B [1, 4] 1025 / PEI-034-2 - Lot 010987	<100 µg/L	0.00 to 78.7			ACCEPTABLE
Cadmium, Cd [1, 3, 4] 1030 / PEI-034-1 - Lot 010988	448 µg/L	387 to 516 409 to 494	-0.16	14 / 66	ACCEPTABLE
Chromium, Cr (total) [1, 3, 4] 1040 / PEI-034-1 - Lot 010988	717 µg/L	644 to 835 676 to 804	-0.72	40 / 60	ACCEPTABLE
Cobalt, Co [1, 3, 4] 1050 / PEI-034-1 - Lot 010988	84.9 µg/L	74.8 to 98.3 78.7 to 94.4	-0.42	18 / 51	ACCEPTABLE
Copper, Cu [1, 3, 4] 1055 / PEI-034-1 - Lot 010988	429 µg/L	371 to 451 384 to 438	1.33	43 / 61	ACCEPTABLE
Iron, Fe [1, 3, 4] 1070 / PEI-034-1 - Lot 010988	1683 µg/L	1500 to 1900 1560 to 1840	-0.26	10 / 54	ACCEPTABLE
Lead, Pb [1, 3, 4] 1075 / PEI-034-1 - Lot 010988	731 µg/L	634 to 814 664 to 784	0.22	17 / 71	ACCEPTABLE
Manganese, Mn [1, 3, 4] 1090 / PEI-034-1 - Lot 010988	1016 µg/L	916 to 1130 953 to 1100	-0.25	14 / 58	ACCEPTABLE
Molybdenum, Mo [1, 3, 4] 1100 / PEI-034-2 - Lot 010987	596 µg/L	494 to 662 522 to 634	0.64	27 / 51	ACCEPTABLE

Trace Metals (continued)

Analysis
EPA 200.7
Atomic Emission - Inductvely Coupled Plasma Spectrometry

(continued)
Method Number 10013408
Technology Code ICP-AES

	Result Units	Accept / Warn	Z	Rank	Evaluation
Nickel, Ni [1, 3, 4] 1105 / PEI-034-1 - Lot 010988	291 µg/L	265 to 337 277 to 325	-0.84	32 / 58	ACCEPTABLE
Selenium, Se [1, 3, 4] 1140 / PEI-034-1 - Lot 010988	364 µg/L	315 to 463 339 to 438	-1.00	38 / 61	ACCEPTABLE
Silver, Ag [1, 3, 4] 1150 / PEI-034-2 - Lot 010987	504 µg/L	425 to 567 449 to 543	0.34	20 / 62	ACCEPTABLE
Strontium, Sr [1, 3, 4] 1160 / PEI-034-2 - Lot 010987	188 µg/L	168 to 220 177 to 212	-0.72	15 / 31	ACCEPTABLE
Thallium, Tl [1, 3, 4] 1165 / PEI-034-2 - Lot 010987	321 µg/L	239 to 383 263 to 359	0.41	24 / 60	ACCEPTABLE
Tin, Sn [1, 3, 4] 1175 / PEI-034-5 - Lot 010970	1372 µg/L	1130 to 1730 1230 to 1630	-0.58	18 / 39	ACCEPTABLE
Titanium, Ti [1, 3, 4] 1180 / PEI-034-2 - Lot 010987	270 µg/L	224 to 293 235 to 281	1.03	35 / 41	ACCEPTABLE
Vanadium, V [1, 3, 4] 1185 / PEI-034-1 - Lot 010988	814 µg/L	726 to 927 760 to 893	-0.38	14 / 48	ACCEPTABLE
Zinc, Zn [1, 3, 4] 1190 / PEI-034-1 - Lot 010988	927 µg/L	851 to 1150 899 to 1090	-1.41	50 / 57	ACCEPTABLE

Volatiles

Volatiles

Analysis
EPA 601
Not Applicable

Method Number 10102008
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Acetone [4] 4315 / PEO-120-3B - Lot 010860	82.3 µg/L	0.00 to 146	0.38	13 / 30	ACCEPTABLE
Benzene [1, 3, 4] 4375 / PEO-120-1 - Lot 010853	13.9 µg/L	9.12 to 18.9 10.8 to 17.3	-0.08	6 / 46	ACCEPTABLE
Bromodichloromethane [1, 3, 4] 4395 / PEO-120-2 - Lot 010855	117 µg/L	79.8 to 151 91.7 to 139	0.12	3 / 42	ACCEPTABLE
Bromoform [1, 3, 4] 4400 / PEO-120-2 - Lot 010855	75.8 µg/L	42.2 to 90.3 50.2 to 82.3	1.19	33 / 42	ACCEPTABLE
2-Butanone (Methyl ethyl ketone, MEK) [4] 4410 / PEO-120-3B - Lot 010860	29.1 µg/L	1.60 to 75.7	-0.77	22 / 30	ACCEPTABLE
Carbon tetrachloride [1, 3, 4] 4455 / PEO-120-2 - Lot 010855	23.9 µg/L	11.2 to 27.2 13.9 to 24.5	1.76	40 / 44	ACCEPTABLE
Chlorobenzene [1, 3, 4] 4475 / PEO-120-2 - Lot 010855	109 µg/L	68.6 to 119 77.0 to 110	1.82	43 / 44	ACCEPTABLE
Chloroethane [1, 4] 4485 / PEO-120-3A - Lot 010857	66.9 µg/L	30.0 to 170	-0.51	9 / 33	ACCEPTABLE
2-Chloroethyl vinyl ether [4] 4500 / PEO-120-3B - Lot 010860	14.7 µg/L	5.17 to 50.5	-1.74	20 / 25	ACCEPTABLE
Chloroform [1, 3, 4] 4505 / PEO-120-2 - Lot 010855	24.8 µg/L	17.1 to 33.0 19.8 to 30.4	-0.10	8 / 44	ACCEPTABLE
Dibromochloromethane [1, 3, 4] 4575 / PEO-120-2 - Lot 010855	68.5 µg/L	37.2 to 72.3 43.1 to 66.5	2.35	42 / 42	CHECK
1,2-Dichlorobenzene [1, 3, 4] 4610 / PEO-120-1 - Lot 010853	18.8 µg/L	11.5 to 23.1 13.5 to 21.2	0.78	21 / 41	ACCEPTABLE
1,3-Dichlorobenzene [1, 3, 4] 4615 / PEO-120-1 - Lot 010853	22.2 µg/L	13.6 to 27.4 15.9 to 25.1	0.74	24 / 41	ACCEPTABLE
1,4-Dichlorobenzene [1, 3, 4] 4620 / PEO-120-1 - Lot 010853	23.1 µg/L	13.9 to 27.7 16.2 to 25.4	1.02	31 / 41	ACCEPTABLE
Dichlorodifluoromethane [4] 4625 / PEO-120-3B - Lot 010860	<2.0 µg/L	0 to 0			ACCEPTABLE
1,1-Dichloroethane [1, 4, 5] 4630 / PEO-120-3A - Lot 010857	101 µg/L	61.7 to 123 71.9 to 112	0.87	18 / 40	ACCEPTABLE

Volatiles (continued)

Volatiles

Analysis
EPA 601
Not Applicable

(continued)
Method Number 10102008
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
1,2-Dichloroethane [1, 3, 4] 4635 / PEO-120-2 - Lot 010855	42.1 µg/L	26.8 to 51.3 30.9 to 47.2	0.75	31 / 44	ACCEPTABLE
1,1-Dichloroethylene [1, 4] 4640 / PEO-120-3A - Lot 010857	24.9 µg/L	18.2 to 50.8 23.7 to 45.4	-1.77	34 / 40	ACCEPTABLE
cis-1,2-Dichloroethylene [1, 4, 5] 4645 / PEO-120-3A - Lot 010857	123 µg/L	69.3 to 125 78.6 to 116	2.78	38 / 39	CHECK
1,2-Dichloropropane [1, 4] 4655 / PEO-120-3A - Lot 010857	48.9 µg/L	31.2 to 63.5 36.6 to 58.1	0.29	9 / 41	ACCEPTABLE
cis-1,3-Dichloropropene [1, 4, 5] 4680 / PEO-120-3A - Lot 010857	51.9 µg/L	33.7 to 62.5	0.48	16 / 38	ACCEPTABLE
trans-1,3-Dichloropropylene [1, 4] 4685 / PEO-120-3A - Lot 010857	17.6 µg/L	9.23 to 20.6 11.1 to 18.7	1.42	30 / 36	ACCEPTABLE
trans-1,2-Dichloroethylene [1, 4] 4700 / PEO-120-3A - Lot 010857	144 µg/L	81.6 to 173 96.9 to 158	1.09	21 / 40	ACCEPTABLE
Ethylbenzene [1, 3, 4] 4765 / PEO-120-1 - Lot 010853	14.8 µg/L	12.4 to 24.1 14.3 to 22.1	-1.75	40 / 45	ACCEPTABLE
2-Hexanone [1, 4, 5] 4860 / PEO-120-3A - Lot 010857	96.5 µg/L	61.5 to 176 80.5 to 157	-1.16	17 / 31	ACCEPTABLE
Methyl bromide (Bromomethane) [1, 4] 4950 / PEO-120-3A - Lot 010857	50.8 µg/L	29.3 to 117	-1.68	18 / 35	ACCEPTABLE
Methyl chloride (Chloromethane) [1, 4] 4960 / PEO-120-3A - Lot 010857	61.3 µg/L	35.7 to 143	-1.76	18 / 35	ACCEPTABLE
Methylene chloride (Dichloromethane) [1, 3, 4] 4975 / PEO-120-2 - Lot 010855	58.7 µg/L	32.4 to 74.1 39.3 to 67.2	0.78	21 / 44	ACCEPTABLE
4-Methyl-2-pentanone (MIBK) [1, 4] 4995 / PEO-120-3A - Lot 010857	43.5 µg/L	25.7 to 90.0 36.4 to 79.3	-1.34	26 / 32	ACCEPTABLE
Methyl tert-butyl ether (MTBE) [1, 4, 5] 5000 / PEO-120-1 - Lot 010853	30.3 µg/L	15.7 to 36.7	1.06	35 / 39	ACCEPTABLE
Styrene [1, 4] 5100 / PEO-120-3A - Lot 010857	48.3 µg/L	38.2 to 81.2 45.4 to 74.1	-1.59	36 / 37	ACCEPTABLE
1,1,2,2-Tetrachloroethane [1, 4] 5110 / PEO-120-3A - Lot 010857	88.9 µg/L	58.7 to 145 73.1 to 130	-0.90	25 / 39	ACCEPTABLE
Tetrachloroethylene (Perchloroethylene) [1, 3, 4] 5115 / PEO-120-2 - Lot 010855	89.0 µg/L	46.5 to 107 56.7 to 97.1	1.20	34 / 43	ACCEPTABLE
Toluene [1, 3, 4] 5140 / PEO-120-1 - Lot 010853	17.8 µg/L	12.5 to 23.1 14.2 to 21.3	0.01	1 / 45	ACCEPTABLE
1,1,1-Trichloroethane [1, 3, 4] 5160 / PEO-120-2 - Lot 010855	90.7 µg/L	48.9 to 103 57.9 to 94.1	1.63	41 / 42	ACCEPTABLE
1,1,2-Trichloroethane [1, 4] 5165 / PEO-120-3A - Lot 010857	149 µg/L	100 to 187 115 to 172	0.39	18 / 39	ACCEPTABLE
Trichloroethene (Trichloroethylene) [1, 3, 4] 5170 / PEO-120-2 - Lot 010855	54.7 µg/L	29.4 to 60.8 34.6 to 55.5	1.84	43 / 43	ACCEPTABLE
Trichlorofluoromethane [1, 4] 5175 / PEO-120-3A - Lot 010857	96.5 µg/L	38.7 to 155	-0.02	2 / 32	ACCEPTABLE
Vinyl chloride [1, 4] 5235 / PEO-120-3A - Lot 010857	39.4 µg/L	11.9 to 47.7	1.25	28 / 33	ACCEPTABLE
m+p-Xylene [4] 5240 / PEO-120-1 - Lot 010853	19.2 µg/L	18.3 to 27.5	-1.14	35 / 42	ACCEPTABLE
o-Xylene [4] 5250 / PEO-120-1 - Lot 010853	20.1 µg/L	14.2 to 21.4	1.14	35 / 42	ACCEPTABLE
Xylene, total [1, 4] 5260 / PEO-120-1 - Lot 010853	39.3 µg/L	22.6 to 57.1 28.3 to 51.3	-0.09	3 / 45	ACCEPTABLE

Group Analysis Summary

Acceptable 42 / 42
Score 100.0% - (Acceptable)

End of Dataset 1

Dataset
Dataset 2

Accreditors

Evaluations of this dataset will be sent to the accreditor(s) listed below using your laboratory's labcode listed above each accrediting agency. If any of the information listed below is incorrect, please contact RTC immediately.

Accrediting Labcode ELAP 1237
California Dept. of Health Services
Environmental Lab Accred. Program Branch
104 Fred Choske
850 Marina Bay Parkway
Bldg. P, 1st Floor, MS 7103
Richmond CA 94804
UNITED STATES

Minerals

Analysis
EPA 6010B
Not Applicable

Method Number 10155609
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Calcium, Ca [1, 3, 4] 1035 / PEI-027-12 - Lot 010966/0	29.7 mg/L	26.2 to 33.8 27.5 to 32.5	-0.24	8 / 49	ACCEPTABLE
Magnesium, Mg [1, 3, 4] 1085 / PEI-027-12 - Lot 010966/0	25.3 mg/L	22.1 to 29.6 23.4 to 28.4	-0.45	19 / 49	ACCEPTABLE
Potassium, K [1, 3, 4] 1125 / PEI-027-12 - Lot 010966/0	29.7 mg/L	26.6 to 38.2 28.5 to 36.3	-1.38	39 / 44	ACCEPTABLE
Sodium, Na [1, 3, 4] 1155 / PEI-027-12 - Lot 010966/0	82.0 mg/L	75.2 to 102 79.6 to 97.1	-1.45	34 / 41	ACCEPTABLE

Nutrients

Analysis
EPA 350.3
Not Applicable

Method Number 10064207
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Ammonia as N [1, 3, 4] 1515 / PEI-028-1 - Lot 010967	8.85 mg/L	6.99 to 10.5 6.83 to 9.79	0.73	37 / 52	ACCEPTABLE

Trace Metals

Analysis
EPA 6010B
Not Applicable

Method Number 10155609
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aluminum, Al [1, 3, 4] 1000 / PEI-034-1 - Lot 010988	2290 µg/L	2010 to 2840 2150 to 2700	-0.98	31 / 49	ACCEPTABLE
Antimony, Sb [1, 3, 4] 1005 / PEI-034-2 - Lot 010987	371 µg/L	310 to 538 348 to 500	-1.40	42 / 60	ACCEPTABLE
Arsenic, As [1, 3, 4] 1010 / PEI-034-1 - Lot 010988	314 µg/L	276 to 390 295 to 371	-1.02	42 / 64	ACCEPTABLE
Barium, Ba [1, 3, 4] 1015 / PEI-034-5 - Lot 010970	1157 µg/L	1020 to 1350 1080 to 1290	-0.64	24 / 51	ACCEPTABLE
Beryllium, Be [1, 3, 4] 1020 / PEI-034-1 - Lot 010988	82.0 µg/L	73.4 to 99.2 77.7 to 94.9	-1.00	33 / 52	ACCEPTABLE
Boron, B [1, 4] 1025 / PEI-034-2 - Lot 010987	<100 µg/L	0.00 to 78.7			ACCEPTABLE
Cadmium, Cd [1, 3, 4] 1030 / PEI-034-1 - Lot 010988	453 µg/L	387 to 516 409 to 494	0.07	4 / 66	ACCEPTABLE
Chromium, Cr (total) [1, 3, 4] 1040 / PEI-034-1 - Lot 010988	725 µg/L	644 to 835 676 to 804	-0.47	24 / 60	ACCEPTABLE
Cobalt, Co [1, 3, 4] 1050 / PEI-034-1 - Lot 010988	85.0 µg/L	74.8 to 98.3 78.7 to 94.4	-0.39	12 / 51	ACCEPTABLE
Copper, Cu [1, 3, 4] 1055 / PEI-034-1 - Lot 010988	433 µg/L	371 to 451 384 to 438	1.63	49 / 61	ACCEPTABLE

Trace Metals (continued)

Analysis
EPA 6010B
Not Applicable

(continued)
Method Number 10155609
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Iron, Fe [1, 3, 4] 1070 / PEI-034-1 - Lot 010988	1664 µg/L	1500 to 1900 1560 to 1840	-0.54	17 / 54	ACCEPTABLE
Lead, Pb [1, 3, 4] 1075 / PEI-034-1 - Lot 010988	745 µg/L	634 to 814 664 to 784	0.69	37 / 71	ACCEPTABLE
Manganese, Mn [1, 3, 4] 1090 / PEI-034-1 - Lot 010988	1025 µg/L	916 to 1130 953 to 1100	0.00	1 / 58	ACCEPTABLE
Molybdenum, Mo [1, 3, 4] 1100 / PEI-034-2 - Lot 010987	587 µg/L	494 to 662 522 to 634	0.32	16 / 51	ACCEPTABLE
Nickel, Ni [1, 3, 4] 1105 / PEI-034-1 - Lot 010988	294 µg/L	265 to 337 277 to 325	-0.59	20 / 58	ACCEPTABLE
Selenium, Se [1, 3, 4] 1140 / PEI-034-1 - Lot 010988	362 µg/L	315 to 463 339 to 438	-1.08	44 / 61	ACCEPTABLE
Silver, Ag [1, 3, 4] 1150 / PEI-034-2 - Lot 010987	508 µg/L	425 to 567 449 to 543	0.51	26 / 62	ACCEPTABLE
Strontium, Sr [1, 3, 4] 1160 / PEI-034-2 - Lot 010987	187 µg/L	168 to 226 177 to 212	-0.83	18 / 31	ACCEPTABLE
Thallium, Tl [1, 3, 4] 1185 / PEI-034-2 - Lot 010987	323 µg/L	239 to 383 263 to 359	0.49	32 / 60	ACCEPTABLE
Tin, Sn [1, 3, 4] 1175 / PEI-034-5 - Lot 010970	1360 µg/L	1130 to 1730 1230 to 1630	-0.70	22 / 39	ACCEPTABLE
Titanium, Ti [1, 3, 4] 1180 / PEI-034-2 - Lot 010987	268 µg/L	224 to 293 235 to 281	0.85	32 / 41	ACCEPTABLE
Vanadium, V [1, 3, 4] 1185 / PEI-034-1 - Lot 010988	814 µg/L	726 to 927 760 to 893	-0.38	14 / 48	ACCEPTABLE
Zinc, Zn [1, 3, 4] 1190 / PEI-034-1 - Lot 010988	922 µg/L	851 to 1150 899 to 1090	-1.52	52 / 67	ACCEPTABLE

Analysis
EPA 7196A
Not Applicable

Method Number 10162400
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Chromium VI, Cr(VI) [1, 4] 1045 / PEI-034-3 - Lot 010971	389 µg/L	321 to 467 345 to 443	-0.20	1 / 22	ACCEPTABLE

Analysis
EPA 7470A
Not Applicable

Method Number 10165807
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Mercury, Hg [1, 3, 4] 1095 / PEI-034-1 - Lot 010988	13.5 µg/L	8.37 to 18.4 10.0 to 16.7	0.07	4 / 38	ACCEPTABLE

Volatiles

Volatiles

Analysis
EPA 624
Not Applicable

Method Number 10107207
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Acetone [4] 4315 / PEO-120-3B - Lot 010860	76.0 µg/L	0.00 to 146	0.13	6 / 30	ACCEPTABLE
Acetonitrile [4] 4320 / PEO-120-3B - Lot 010860	59.2 µg/L	47.6 to 89.3	-1.33	9 / 9	ACCEPTABLE
Acrolein (Propenal) [4] 4325 / PEO-120-3B - Lot 010860	<20 µg/L	0.00 to 50.8			ACCEPTABLE
Acrylonitrile [4] 4340 / PEO-120-3B - Lot 010860	86.4 µg/L	31.1 to 121	0.68	11 / 25	ACCEPTABLE
Benzene [1, 3, 4] 4375 / PEO-120-1 - Lot 010853	15.0 µg/L	9.12 to 18.9 10.8 to 17.3	0.60	28 / 46	ACCEPTABLE
Bromodichloromethane [1, 3, 4] 4395 / PEO-120-2 - Lot 010855	114 µg/L	79.8 to 151 91.7 to 139	-0.13	4 / 42	ACCEPTABLE

Volatiles (continued)

Volatiles

Analysis
EPA 624
Not Applicable

(continued)
Method Number 10107207
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Bromoform [1, 3, 4] 4400 / PEO-120-2 - Lot 010855	66.8 µg/L	42.2 to 90.3 50.2 to 82.3	0.07	3 / 42	ACCEPTABLE
2-Butanone (Methyl ethyl ketone, MEK) [4] 4410 / PEO-120-3B - Lot 010860	46.4 µg/L	1.60 to 75.7	0.63	17 / 30	ACCEPTABLE
Carbon disulfide [4] 4450 / PEO-120-3B - Lot 010860	118 µg/L	63.6 to 148	0.69	17 / 29	ACCEPTABLE
Carbon tetrachloride [1, 3, 4] 4455 / PEO-120-2 - Lot 010855	20.3 µg/L	11.2 to 27.2 13.9 to 24.5	0.41	17 / 44	ACCEPTABLE
Chlorobenzene [1, 3, 4] 4475 / PEO-120-2 - Lot 010855	103 µg/L	68.6 to 119 77.0 to 110	1.11	36 / 44	ACCEPTABLE
Chloroethane [1, 4] 4485 / PEO-120-3A - Lot 010857	68.9 µg/L	30.0 to 120	-0.38	5 / 33	ACCEPTABLE
Chloroform [1, 3, 4] 4505 / PEO-120-2 - Lot 010855	28.7 µg/L	17.1 to 33.0 19.8 to 30.4	1.38	40 / 44	ACCEPTABLE
Dibromochloromethane [1, 3, 4] 4575 / PEO-120-2 - Lot 010855	51.3 µg/L	37.2 to 72.3 43.1 to 66.5	-0.59	18 / 42	ACCEPTABLE
1,2-Dibromoethane (EDB, Ethylene dibromide) [4] 4585 / PEO-120-3B - Lot 010860	15.4 µg/L	18.1 to 32.6	-4.13	6 / 6	NOT ACCEPTABLE
Dibromomethane [4] 4595 / PEO-120-3B - Lot 010860	95.9 µg/L	70.8 to 106	0.79	22 / 34	ACCEPTABLE
1,2-Dichlorobenzene [1, 3, 4] 4610 / PEO-120-1 - Lot 010853	18.4 µg/L	11.5 to 23.1 13.5 to 21.2	0.57	20 / 41	ACCEPTABLE
1,3-Dichlorobenzene [1, 3, 4] 4615 / PEO-120-1 - Lot 010853	22.5 µg/L	13.6 to 27.4 15.9 to 25.1	0.87	29 / 41	ACCEPTABLE
1,4-Dichlorobenzene [1, 3, 4] 4620 / PEO-120-1 - Lot 010853	22.0 µg/L	13.9 to 27.7 16.2 to 25.4	0.54	19 / 41	ACCEPTABLE
Dichlorodifluoromethane [4] 4625 / PEO-120-3B - Lot 010860	<5 µg/L	0 to 0			ACCEPTABLE
1,1-Dichloroethane [1, 4, 5] 4630 / PEO-120-3A - Lot 010857	108 µg/L	61.7 to 123 71.9 to 112	1.56	31 / 40	ACCEPTABLE
1,2-Dichloroethane [1, 3, 4] 4635 / PEO-120-2 - Lot 010855	39.0 µg/L	26.8 to 51.3 30.9 to 47.2	-0.01	1 / 44	ACCEPTABLE
1,1-Dichloroethylene [1, 4] 4640 / PEO-120-3A - Lot 010857	31.4 µg/L	18.2 to 50.8 23.7 to 45.4	-0.58	15 / 40	ACCEPTABLE
cis-1,2-Dichloroethylene [1, 4, 5] 4645 / PEO-120-3A - Lot 010857	110 µg/L	69.3 to 125 78.6 to 116	1.38	27 / 39	ACCEPTABLE
1,2-Dichloropropane [1, 4] 4655 / PEO-120-3A - Lot 010857	33.7 µg/L	31.2 to 63.5 36.6 to 58.1	-2.53	42 / 41	CHECK
cis-1,3-Dichloropropene [1, 4, 5] 4660 / PEO-120-3A - Lot 010857	49.4 µg/L	33.7 to 62.5	0.16	9 / 38	ACCEPTABLE
trans-1,3-Dichloropropylene [1, 4] 4665 / PEO-120-3A - Lot 010857	15.5 µg/L	9.23 to 20.6 11.1 to 18.7	0.31	9 / 36	ACCEPTABLE
trans-1,2-Dichloroethylene [1, 4] 4700 / PEO-120-3A - Lot 010857	169 µg/L	81.6 to 173 96.9 to 158	2.72	41 / 40	CHECK
Ethylbenzene [1, 3, 4] 4765 / PEO-120-1 - Lot 010853	19.0 µg/L	12.4 to 24.1 14.3 to 22.1	0.39	13 / 45	ACCEPTABLE
2-Hexanone [1, 4, 5] 4860 / PEO-120-3A - Lot 010857	123 µg/L	61.6 to 176 80.6 to 157	0.23	2 / 31	ACCEPTABLE
Methyl bromide (Bromomethane) [1, 4] 4950 / PEO-120-3A - Lot 010857	53.8 µg/L	29.3 to 117	-1.45	16 / 35	ACCEPTABLE
Methyl chloride (Chloromethane) [1, 4] 4960 / PEO-120-3A - Lot 010857	61.5 µg/L	35.7 to 143	-1.74	17 / 35	ACCEPTABLE
Methylene chloride (Dichloromethane) [1, 3, 4] 4975 / PEO-120-2 - Lot 010855	68.3 µg/L	32.4 to 74.1 39.3 to 67.2	2.16	43 / 44	CHECK
4-Methyl-2-pentanone (MIBK) [1, 4] 4995 / PEO-120-3A - Lot 010857	57.9 µg/L	25.7 to 90.0 38.4 to 79.3	0.00	1 / 32	ACCEPTABLE
Methyl tert-butyl ether (MTBE) [1, 4, 5] 5000 / PEO-120-1 - Lot 010853	29.2 µg/L	15.7 to 36.7	0.77	27 / 39	ACCEPTABLE

Volatiles (continued)

Volatiles

Analysis
EPA 624
Not Applicable

(continued)
Method Number 10107207
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Naphthalene [1, 4] 5005 / PEO-120-1 - Lot 010853	22.3 µg/L	13.0 to 30.2	0.15	8 / 41	ACCEPTABLE
Styrene [1, 4] 5100 / PEO-120-3A - Lot 010857	66.3 µg/L	38.2 to 81.2 45.4 to 74.1	0.92	27 / 37	ACCEPTABLE
1,1,1,2-Tetrachloroethane [4] 5105 / PEO-120-3B - Lot 010860	96.1 µg/L	48.3 to 140	0.14	8 / 34	ACCEPTABLE
1,1,2,2-Tetrachloroethane [1, 4] 5110 / PEO-120-3A - Lot 010857	109 µg/L	58.7 to 145 73.1 to 130	0.50	14 / 39	ACCEPTABLE
Tetrachloroethylene (Perchloroethylene) [1, 3, 4] 5115 / PEO-120-2 - Lot 010855	88.0 µg/L	46.5 to 107 56.7 to 97.1	1.10	30 / 43	ACCEPTABLE
Toluene [1, 3, 4] 5140 / PEO-120-1 - Lot 010853	20.0 µg/L	12.5 to 23.1 14.2 to 21.3	1.25	34 / 45	ACCEPTABLE
1,1,1-Trichloroethane [1, 3, 4] 5160 / PEO-120-2 - Lot 010855	89.6 µg/L	48.9 to 103 57.9 to 94.1	1.51	38 / 42	ACCEPTABLE
1,1,2-Trichloroethane [1, 4] 5165 / PEO-120-3A - Lot 010857	153 µg/L	100 to 187 115 to 172	0.67	22 / 39	ACCEPTABLE
Trichloroethene (Trichloroethylene) [1, 3, 4] 5170 / PEO-120-2 - Lot 010855	46.6 µg/L	29.4 to 60.8 34.6 to 55.5	0.67	28 / 43	ACCEPTABLE
Trichlorofluoromethane [1, 4] 5175 / PEO-120-3A - Lot 010857	88.2 µg/L	38.7 to 155	-0.71	13 / 32	ACCEPTABLE
1,2,3-Trichloropropane [4] 5180 / PEO-120-3B - Lot 010860	67.5 µg/L	15.1 to 114	0.17	6 / 35	ACCEPTABLE
1,2,4-Trimethylbenzene [4] 5210 / PEO-120-1 - Lot 010853	10.1 µg/L	5.92 to 13.8	0.16	6 / 35	ACCEPTABLE
1,3,5-Trimethylbenzene [4] 5215 / PEO-120-1 - Lot 010853	15.9 µg/L	12.2 to 18.4	0.20	6 / 35	ACCEPTABLE
Vinyl acetate [4] 5225 / PEO-120-3B - Lot 010860	4.88 µg/L	0.00 to 12.5	-0.41	6 / 14	ACCEPTABLE
Vinyl chloride [1, 4] 5235 / PEO-120-3A - Lot 010857	29.5 µg/L	11.9 to 47.7	-0.04	4 / 33	ACCEPTABLE
m+p-Xylene [4] 5240 / PEO-120-1 - Lot 010853	24.5 µg/L	18.3 to 27.5	0.49	20 / 42	ACCEPTABLE
o-Xylene [4] 5250 / PEO-120-1 - Lot 010853	18.3 µg/L	14.2 to 21.4	0.25	10 / 42	ACCEPTABLE
Xylene, total [1, 4] 5260 / PEO-120-1 - Lot 010853	42.8 µg/L	22.6 to 57.1 28.3 to 51.3	0.52	24 / 45	ACCEPTABLE

Group Analysis Summary

Acceptable 52 / 53
Score 98.1% - (Acceptable)

End of Dataset 2

Dataset
Dataset 3

Trace Metals

Analysis
EPA 200.8
Mass Spectrometry - Inductively Coupled Plasma

Method Number 10014401
Technology Code ICP-MS

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aluminum, Al [1, 3, 4] 1000 / PEI-034-1 - Lot 010988	2314 µg/L	2010 to 2840 2150 to 2700	-0.80	24 / 49	ACCEPTABLE
Antimony, Sb [1, 3, 4] 1005 / PEI-034-2 - Lot 010987	379 µg/L	310 to 538 348 to 500	-1.19	39 / 60	ACCEPTABLE
Arsenic, As [1, 3, 4] 1010 / PEI-034-1 - Lot 010988	317 µg/L	276 to 390 295 to 371	-0.86	34 / 64	ACCEPTABLE
Barium, Ba [1, 3, 4] 1015 / PEI-034-5 - Lot 010970	1118 µg/L	1020 to 1350 1080 to 1290	-1.40	35 / 51	ACCEPTABLE
Beryllium, Be [1, 3, 4] 1020 / PEI-034-1 - Lot 010988	79.8 µg/L	73.4 to 99.2 77.7 to 94.9	-1.51	45 / 52	ACCEPTABLE
Cadmium, Cd [1, 3, 4] 1030 / PEI-034-1 - Lot 010988	451 µg/L	387 to 516 409 to 494	-0.02	1 / 66	ACCEPTABLE
Chromium, Cr (total) [1, 3, 4] 1040 / PEI-034-1 - Lot 010988	731 µg/L	644 to 835 676 to 804	-0.28	10 / 60	ACCEPTABLE
Cobalt, Co [1, 3, 4] 1050 / PEI-034-1 - Lot 010988	87.5 µg/L	74.8 to 98.3 78.7 to 94.4	0.25	7 / 51	ACCEPTABLE
Copper, Cu [1, 3, 4] 1055 / PEI-034-1 - Lot 010988	434 µg/L	371 to 451 384 to 438	1.71	53 / 61	ACCEPTABLE
Iron, Fe [1, 3, 4] 1070 / PEI-034-1 - Lot 010988	1710 µg/L	1500 to 1900 1560 to 1840	0.14	8 / 54	ACCEPTABLE
Lead, Pb [1, 3, 4] 1075 / PEI-034-1 - Lot 010988	735 µg/L	634 to 814 664 to 784	0.35	19 / 71	ACCEPTABLE
Manganese, Mn [1, 3, 4] 1090 / PEI-034-1 - Lot 010988	1029 µg/L	916 to 1130 953 to 1100	0.11	3 / 58	ACCEPTABLE
Molybdenum, Mo [1, 3, 4] 1100 / PEI-034-2 - Lot 010987	534 µg/L	494 to 662 522 to 634	-1.57	38 / 51	ACCEPTABLE
Nickel, Ni [1, 3, 4] 1105 / PEI-034-1 - Lot 010988	297 µg/L	265 to 337 277 to 325	-0.34	13 / 58	ACCEPTABLE
Selenium, Se [1, 3, 4] 1140 / PEI-034-1 - Lot 010988	358 µg/L	315 to 463 339 to 438	-1.24	50 / 61	ACCEPTABLE
Silver, Ag [1, 3, 4] 1150 / PEI-034-2 - Lot 010987	502 µg/L	426 to 567 449 to 543	0.26	14 / 62	ACCEPTABLE
Strontium, Sr [1, 3, 4] 1160 / PEI-034-2 - Lot 010987	201 µg/L	168 to 220 177 to 212	0.77	17 / 31	ACCEPTABLE
Thallium, Tl [1, 3, 4] 1165 / PEI-034-2 - Lot 010987	293 µg/L	239 to 383 263 to 359	-0.76	40 / 60	ACCEPTABLE
Tin, Sn [1, 3, 4] 1175 / PEI-034-5 - Lot 010970	1335 µg/L	1130 to 1730 1230 to 1630	-0.95	25 / 39	ACCEPTABLE
Titanium, Ti [1, 3, 4] 1180 / PEI-034-2 - Lot 010987	260 µg/L	224 to 293 235 to 281	0.16	5 / 41	ACCEPTABLE
Vanadium, V [1, 3, 4] 1185 / PEI-034-1 - Lot 010988	825 µg/L	726 to 927 760 to 893	-0.05	3 / 48	ACCEPTABLE
Zinc, Zn [1, 3, 4] 1190 / PEI-034-1 - Lot 010988	908 µg/L	851 to 1150 899 to 1090	-1.81	55 / 57	ACCEPTABLE

End of Dataset 3

Dataset
Dataset 4

Accreditors

Evaluations of this dataset will be sent to the accreditor(s) listed below using your laboratory's labcode listed above each accrediting agency. If any of the information listed below is incorrect, please contact RTC immediately.

Accrediting Labcode **ELAP 1237**
California Dept. of Health Services
Environmental Lab Accred. Program Branch
104 Fred Choske
850 Marina Bay Parkway
Bldg. P, 1st Floor, MS 7103
Richmond CA 94804
UNITED STATES

Minerals

Analysis
EPA 160.3
Not Applicable
Method Number 10009800
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue, total (TS) [1, 4] 1950 / PEI-079 - Lot 011032	482 mg/L	436 to 525 451 to 510	0.09	2 / 35	ACCEPTABLE

Analysis
EPA 160.1
Gravimetry
Method Number 10009004
Technology Code GRAV

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue-filterable (TDS) [1, 3, 4] 1955 / PEI-079 - Lot 011032	412 mg/L	311 to 505 343 to 473	0.12	8 / 40	ACCEPTABLE

Misc. Analytes

Analysis
EPA 160.2
Not Applicable
Method Number 10009402
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Residue-nonfilterable (TSS) [1, 3, 4] 1960 / PEI-079 - Lot 011032	70.0 mg/L	42.3 to 103	-0.26	9 / 48	ACCEPTABLE

Analysis
EPA 370.1
Not Applicable
Method Number 10071804
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Silica as SiO2 [1, 4, 5] 1990 / PEI-243 - Lot 010975	133 mg/L	101 to 169	-0.18	1 / 4	ACCEPTABLE

Analysis
EPA 425.1
Not Applicable
Method Number 10080407
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Surfactants - MBAS [1, 4] 2025 / PEI-244 - Lot 010679	0.375 mg/L	0.269 to 0.655 0.334 to 0.591	-1.36	3 / 7	ACCEPTABLE

Analysis
EPA 300.0
Ion Chromatography Electroconductivity
Method Number 10053006
Technology Code IC-COND

	Result Units	Accept / Warn	Z	Rank	Evaluation
Bromide [1, 4, 5] 1540 / PEI-246 - Lot 011001	2.41 mg/L	2.13 to 2.89	-1.00	1 / 5	ACCEPTABLE

Trace Metals

Analysis
EPA 6020A
Not Applicable
Method Number 10156408
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation

Trace Metals (continued)

Analysis
EPA 6020A
Not Applicable

(continued)
Method Number 10156408
Technology Code NA

	Result Units	Accept / Warn	Z	Rank	Evaluation
Aluminum, Al [1, 3, 4] 1000 / PEI-034-1 - Lot 010988	2305 µg/L	2010 to 2840 2150 to 2700	-0.87	27 / 49	ACCEPTABLE
Antimony, Sb [1, 3, 4] 1005 / PEI-034-2 - Lot 010987	375 µg/L	310 to 538 348 to 500	-1.29	40 / 60	ACCEPTABLE
Arsenic, As [1, 3, 4] 1010 / PEI-034-1 - Lot 010988	312 µg/L	276 to 390 295 to 371	-1.12	49 / 64	ACCEPTABLE
Barium, Ba [1, 3, 4] 1015 / PEI-034-5 - Lot 010970	1091 µg/L	1020 to 1350 1080 to 1290	-1.92	40 / 51	ACCEPTABLE
Beryllium, Be [1, 3, 4] 1020 / PEI-034-1 - Lot 010988	81.2 µg/L	73.4 to 99.2 77.7 to 94.9	-1.18	40 / 52	ACCEPTABLE
Cadmium, Cd [1, 3, 4] 1030 / PEI-034-1 - Lot 010988	456 µg/L	387 to 516 409 to 494	0.21	15 / 66	ACCEPTABLE
Chromium, Cr (total) [1, 3, 4] 1040 / PEI-034-1 - Lot 010988	719 µg/L	644 to 835 676 to 804	-0.65	37 / 60	ACCEPTABLE
Cobalt, Co [1, 3, 4] 1050 / PEI-034-1 - Lot 010988	82.2 µg/L	74.8 to 98.3 78.7 to 94.4	-1.11	36 / 51	ACCEPTABLE
Copper, Cu [1, 3, 4] 1055 / PEI-034-1 - Lot 010988	425 µg/L	371 to 451 384 to 438	1.03	40 / 61	ACCEPTABLE
Iron, Fe [1, 3, 4] 1070 / PEI-034-1 - Lot 010988	1677 µg/L	1500 to 1900 1560 to 1840	-0.35	14 / 54	ACCEPTABLE
Lead, Pb [1, 3, 4] 1075 / PEI-034-1 - Lot 010988	730 µg/L	634 to 814 664 to 784	0.19	12 / 71	ACCEPTABLE
Manganese, Mn [1, 3, 4] 1090 / PEI-034-1 - Lot 010988	1032 µg/L	916 to 1130 953 to 1100	0.20	13 / 58	ACCEPTABLE
Molybdenum, Mo [1, 3, 4] 1100 / PEI-034-2 - Lot 010987	546 µg/L	484 to 662 522 to 634	-1.15	35 / 51	ACCEPTABLE
Nickel, Ni [1, 3, 4] 1105 / PEI-034-1 - Lot 010988	292 µg/L	265 to 337 277 to 325	-0.76	27 / 58	ACCEPTABLE
Selenium, Se [1, 3, 4] 1140 / PEI-034-1 - Lot 010988	363 µg/L	315 to 463 339 to 438	-1.04	43 / 61	ACCEPTABLE
Silver, Ag [1, 3, 4] 1150 / PEI-034-2 - Lot 010987	509 µg/L	425 to 567 449 to 543	0.55	28 / 62	ACCEPTABLE
Strontium, Sr [1, 3, 4] 1160 / PEI-034-2 - Lot 010987	199 µg/L	168 to 220 177 to 212	0.54	10 / 31	ACCEPTABLE
Thallium, Tl [1, 3, 4] 1165 / PEI-034-2 - Lot 010987	297 µg/L	239 to 383 263 to 359	-0.59	36 / 60	ACCEPTABLE
Tin, Sn [1, 3, 4] 1175 / PEI-034-5 - Lot 010970	1323 µg/L	1130 to 1730 1230 to 1630	-1.07	28 / 39	ACCEPTABLE
Titanium, Ti [1, 3, 4] 1180 / PEI-034-2 - Lot 010987	265 µg/L	224 to 293 235 to 281	0.59	24 / 41	ACCEPTABLE
Vanadium, V [1, 3, 4] 1185 / PEI-034-1 - Lot 010988	828 µg/L	726 to 927 760 to 893	0.04	2 / 48	ACCEPTABLE
Zinc, Zn [1, 3, 4] 1190 / PEI-034-1 - Lot 010988	938 µg/L	851 to 1150 899 to 1090	-1.18	41 / 57	ACCEPTABLE

End of Dataset 4

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Performance Evaluation Report
WPCHEM **WP05-1**

Commenced 26-Jan-2005 | Concluded 11-Mar-2005

RT Labcode RT1142

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This report may contain data that are not covered by the NVLAP accreditation.

PEI-026 — Program: WPCHEM

Demand

PEI-026

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1530 Biochemical oxygen demand (BOD)	57.1 mg/L	EPA 405.1	10075408	Acceptable	0.503
1555 Carbonaceous BOD (CBOD)	46.6 mg/L	EPA 405.1	10075408	Acceptable	0.144
1565 Chemical oxygen demand (COD)	84.8 mg/L	EPA 410.4	10077006	Acceptable	0.511
2040 Total organic carbon (TOC)	34.3 mg/L	EPA 415.2	10078601	Acceptable	0.495

PEI-026

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1530 Biochemical oxygen demand (BOD)	mg/L	52.7	52.7	54.3	5.86	26.4 - 79.0	35.2 - 70.2
1555 Carbonaceous BOD (CBOD)	mg/L	45.4	45.4	49.1	8.12	20.3 - 70.5	28.7 - 62.1
1565 Chemical oxygen demand (COD)	mg/L	81.5	85.1	85.2	6.00	62.1 - 101	68.5 - 94.4
2040 Total organic carbon (TOC)	mg/L	33.4	33.6	34.9	1.93	28.0 - 38.9	29.8 - 37.1

PEI-027-12 — Program: WPCHEM

Minerals

PEI-027-12

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1610 Conductivity	1280 µmhos/cm	EPA 120.1	10006209	Acceptable	-1.04
1755 Hardness, total as CaCO₃	393 mg/L	EPA 130.2	10007008	Acceptable	-0.804
1955 Residue-filterable (TDS)	731 mg/L	EPA 160.1	10009004	Acceptable	-0.665
1950 Residue, total (TS)*	803 mg/L	EPA 160.3	10009800	Acceptable	-0.444
1575 Chloride	291 mg/L	EPA 300.0	10053006	Acceptable	0.650
1730 Fluoride	2.42 mg/L	EPA 300.0	10053006	Acceptable	-0.811
2000 Sulfate	90.4 mg/L	EPA 300.0	10053006	Acceptable	-1.24
1505 Alkalinity as CaCO₃	104 mg/L	EPA 310.1	10054601	Acceptable	-0.289

PEI-027-12

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1505 Alkalinity as CaCO3	mg/L	105	101	105	3.80	94.6 - 115	98.1 - 112
1575 Chloride	mg/L	283	284	289	13.8	246 - 320	258 - 308
1610 Conductivity	µmhos/cm	1320	1320	1320	46.3	1210 - 1430	1240 - 1400
1730 Fluoride	mg/L	2.54	2.54	2.54	0.160	2.10 - 2.99	2.25 - 2.84
1755 Hardness, total as CaCO3	mg/L	402	401	400	15.6	349 - 449	
1950 Residue, total (TS)*	mg/L	837	846	845	79.4	616 - 1080	693 - 999
1955 Residue-filterable (TDS)	mg/L	769	769	775	69.4	598 - 940	655 - 883
2000 Sulfate	mg/L	96.7	98.1	97.5	6.47	81.5 - 112	86.5 - 107

PEI-027-3 — Program: WPCHEM

pH (20 mL)

PEI-027-3

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1900 pH	6.28 UNITS	EPA 150.1	10008205	Acceptable	1.16

PEI-027-3

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1900 pH	UNITS	6.23	6.23	6.24	0.0418	6.03 - 6.43	

PEI-028-1
Simple Nutrients

Program: WPCHEM

PEI-028-1

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1810 Nitrate as N	28.9 mg/L	EPA 300.0	10053006	Acceptable	-0.864
1515 Ammonia as N	3.11 mg/L	EPA 350.2	10063806	Acceptable	-0.282
1515 Ammonia as N	3.44 mg/L	EPA 350.3	10064207	Acceptable	0.752
1870 Orthophosphate as P	0.924 mg/L	EPA 365.2	10070209	Acceptable	-0.234

PEI-028-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1515 Ammonia as N	mg/L	3.20	3.16	3.15	0.307	2.23 - 4.15	2.56 - 3.84
1810 Nitrate as N	mg/L	30.8	31.0	30.9	1.95	24.2 - 37.4	26.4 - 35.2
1870 Orthophosphate as P	mg/L	0.942	0.934	0.937	0.0702	0.711 - 1.17	0.788 - 1.10

PEI-028-2
Complex Nutrients

Program: WPCHEM

PEI-028-2

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1790 Kjeldahl nitrogen (TKN)	4.79 mg/L	EPA 351.3	10065608	Acceptable	-1.72
1910 Phosphorus, total	1.83 mg/L	EPA 365.3	10070607	Check	2.50

PEI-028-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1790 Kjeldahl nitrogen (TKN)	mg/L	5.88	5.90	5.99	0.817	3.98 - 7.78	4.61 - 7.15
1910 Phosphorus, total	mg/L	1.54	1.52	1.52	0.159	1.20 - 1.89	1.31 - 1.78

PEI-028-3
Nitrite

Program: WPCHEM

PEI-028-3

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1840 Nitrite as N*	0.746 mg/L	EPA 354.1	10068403	Acceptable	-0.491

PEI-028-3

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1840 Nitrite as N*	mg/L	0.773	0.777	0.760	0.0593	0.608 - 0.938	0.663 - 0.883

PEI-029
Oil and Grease

Program: WPCHEM

PEI-029

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1860 Oil & Grease	14.4 mg/L	EPA 1664	10127409	Acceptable	0.0341

PEI-029

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1860 Oil & Grease	mg/L	14.3	15.6	14.0	2.62	5.47 - 23.0	8.39 - 20.1

PEI-030
Residue (concentrate)

Program: WPCHEM

PEI-030

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1955 Residue-filterable (TDS)	418 mg/L	EPA 160.1	10009004	Acceptable	-0.774
1960 Residue-nonfilterable (TSS)	53.3 mg/L	EPA 160.2	10009402	Acceptable	-0.275
1950 Residue, total (TS)*	471 mg/L	EPA 160.3	10009800	Acceptable	-1.00

PEI-030

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits

PEI-030

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1950 Residue, total (TS)*	mg/L	496	500	497	15.4	421 - 570	446 - 545
1955 Residue-filterable (TDS)	mg/L	445	445	431	25.7	340 - 550	375 - 515
1960 Residue-nonfilterable (TSS)	mg/L	54.2	56.4	56.0	1.69	44.4 - 64.0	47.7 - 60.8

PEI-031 Program: WPCHEM

Total Cyanide

PEI-031

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1645 Total cyanide	0.823 mg/L	EPA 335.2	10060205	Acceptable	-0.218

PEI-031

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1645 Total cyanide	mg/L	0.845	0.846	0.872	0.0793	0.541 - 1.15	0.643 - 1.05

PEI-032 Program: WPCHEM

Total Phenolics

PEI-032

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1905 Total phenolics	1.23 mg/L	EPA 420.1	10079206	Acceptable	-1.01

PEI-032

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1905 Total phenolics	mg/L	1.54	1.54	1.51	0.311	0.622 - 2.46	0.928 - 2.15

PEI-033 Program: WPCHEM

Total Residual Chlorine

PEI-033

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1940 Total residual chlorine	0.767 mg/L	EPA 330.1	10057804	Acceptable	-0.462

PEI-033

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1940 Total residual chlorine	mg/L	0.800	0.810	0.803	0.0680	0.586 - 1.01	0.657 - 0.942

PEI-034-3 Program: WPCHEM

Chromium VI

PEI-034-3

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1045 Chromium VI*	249 µg/L	EPA 7196A	10162400	Acceptable	0.288
1045 Chromium VI*	240 µg/L	EPA 7199	10163005	Acceptable	-0.360

PEI-034-3

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1045 Chromium VI*	µg/L	245	249	243	10.0	203 - 286	217 - 272

PEI-079 Program: WPCHEM

Residue (whole-volume)

PEI-079

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1955 Residue-filterable (TDS)	418 mg/L	EPA 160.1	10009004	Acceptable	-0.469
1960 Residue-nonfilterable (TSS)	46.0 mg/L	EPA 160.2	10009402	Acceptable	-1.93
1950 Residue, total (TS)*	464 mg/L	EPA 160.3	10009800	Acceptable	-0.894

PEI-079

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits

PEI-079

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1950 Residue, total (TS)*	mg/L	486	490	483	18.4	412 - 560	436 - 535
1955 Residue-filterable (TDS)	mg/L	434	434	434	19.6	332 - 536	366 - 502
1960 Residue-nonfilterable (TSS)	mg/L	51.7	56.4	53.1	5.76	42.9 - 60.6	45.8 - 57.7

PEI-243
Silica

Program: WPCHEM

PEI-243

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1990 Silica as SiO₂*	20.3 mg/L	EPA 370.1	10071804	Acceptable	

PEI-243

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1990 Silica as SiO2*	mg/L	25.1	28.0			20.1 - 30.1	

PEI-244
Anionic Surfactant/TOC

Program: WPCHEM

PEI-244

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
2040 Total organic carbon (TOC)*	8.62 mg/L	EPA 415.2	10078601	Acceptable	
2025 Surfactants - MBAS*	1.57 mg/L	EPA 425.1	10080407	Acceptable	-0.415

PEI-244

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
2025 Surfactants - MBAS*	mg/L	1.66	1.60	1.33	0.250	1.01 - 2.31	1.23 - 2.09
2040 Total organic carbon (TOC)*	mg/L	8.60	8.60			6.88 - 10.3	

PEI-246
Bromide

Program: WPCHEM

PEI-246

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1540 Bromide*	0.516 mg/L	EPA 300.0	10053006	Acceptable	

PEI-246

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1540 Bromide*	mg/L	0.458	0.458			0.389 - 0.527	

PEI-248
Acidity

Program: WPCHEM

PEI-248

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1500 Acidity, as CaCO₃*	213 mg/L	EPA 305.1	10054009	Acceptable	

PEI-248

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1500 Acidity, as CaCO3*	mg/L	198	198			158 - 238	

PEI-250
Turbidity

Program: WPCHEM

PEI-250

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
2055 Turbidity*	2.46 NTU	EPA 180.1	10011402	Acceptable	-0.536

PEI-250

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
2055 Turbidity*	NTU	2.61	2.61	2.54	0.210	2.05 - 3.17	

PEI-253
Settleable Solids and Volatile Residue

Program: WPCHEM

PEI-253

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
1970 Residue-volatile*	124 mg/L	EPA 160.4	10010205	Acceptable	1.25
1965 Residue-settleable*	3.30 mL/L	EPA 160.5	10010603	Acceptable	0.192

PEI-253

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
1965 Residue-settleable*	mL/L	3.25	3.25	3.39	0.329	2.28 - 4.23	
1970 Residue-volatile*	mg/L	66.8	66.8	73.4	51.9	0.000 - 204	

PEI-257
Sulfide (including total and soluble)

Program: WPCHEM

PEI-257

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
2005 Sulfide*	5.89 mg/L	EPA 376.2	10074405	Acceptable	0.625

PEI-257

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
2005 Sulfide*	mg/L	5.76	7.00	5.79	0.241	5.40 - 8.40	

PEO-020-1
PCBs in Water (Sample 1)

Program: WPCHEM

PEO-020-1

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
8885 Aroclor-1221 (PCB-1221)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8890 Aroclor-1232 (PCB-1232)	1.44 µg/L	EPA 608	10103603	Check	-2.04
8900 Aroclor-1248 (PCB-1248)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8905 Aroclor-1254 (PCB-1254)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8910 Aroclor-1260 (PCB-1260)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8912 Aroclor 1016/1242	<0.1 µg/L	EPA 608	10103603	Acceptable	

PEO-020-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
8885 Aroclor-1221 (PCB-1221)	µg/L		0			0 - 0	
8890 Aroclor-1232 (PCB-1232)	µg/L	3.45	3.73	3.19	1.20	0.493 - 6.41	1.48 - 5.42
8900 Aroclor-1248 (PCB-1248)	µg/L		0			0 - 0	
8905 Aroclor-1254 (PCB-1254)	µg/L		0			0 - 0	
8910 Aroclor-1260 (PCB-1260)	µg/L		0			0 - 0	
8912 Aroclor 1016/1242	µg/L		0			0 - 0	

PEO-020-2
PCBs in Water (Sample 2)

Program: WPCHEM

PEO-020-2

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
8880 Aroclor-1016 (PCB-1016)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8885 Aroclor-1221 (PCB-1221)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8890 Aroclor-1232 (PCB-1232)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8895 Aroclor-1242 (PCB-1242)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8900 Aroclor-1248 (PCB-1248)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8905 Aroclor-1254 (PCB-1254)	<0.1 µg/L	EPA 608	10103603	Acceptable	
8910 Aroclor-1260 (PCB-1260)	3.08 µg/L	EPA 608	10103603	Check	2.08
8912 Aroclor 1016/1242	<0.1 µg/L	EPA 608	10103603	Acceptable	

PEO-020-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits

PEO-020-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
8880 Aroclor-1016 (PCB-1016)	µg/L		0			0 - 0	
8885 Aroclor-1221 (PCB-1221)	µg/L		0			0 - 0	
8890 Aroclor-1232 (PCB-1232)	µg/L		0			0 - 0	
8895 Aroclor-1242 (PCB-1242)	µg/L		0			0 - 0	
8900 Aroclor-1248 (PCB-1248)	µg/L		0			0 - 0	
8905 Aroclor-1254 (PCB-1254)	µg/L		0			0 - 0	
8910 Aroclor-1260 (PCB-1260)	µg/L	2.32	3.58	2.21	0.329	1.23 - 3.94	1.59 - 3.06
8912 Aroclor 1016/1242	µg/L		0			0 - 0	

PEO-022

Acid Compounds

Program: WPCHEM

PEO-022

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
▼ Summary for Method EPA 625				Overall method evaluation		Acceptable
5610 Benzoic acid*	<25	µg/L	EPA 625	10107401	Acceptable	
5700 4-Chloro-3-methylphenol*	<10	µg/L	EPA 625	10107401	Acceptable	
5800 2-Chlorophenol*	48.4	µg/L	EPA 625	10107401	Acceptable	0.706
6000 2,4-Dichlorophenol*	114	µg/L	EPA 625	10107401	Acceptable	0.659
6005 2,6-Dichlorophenol*	<10	µg/L	EPA 625	10107401	Acceptable	
6130 2,4-Dimethylphenol*	118	µg/L	EPA 625	10107401	Acceptable	1.25
6175 2,4-Dinitrophenol*	25.4	µg/L	EPA 625	10107401	Acceptable	-0.563
6360 2-Methyl-4,6-dinitrophenol*	<10	µg/L	EPA 625	10107401	Acceptable	
6400 2-Methylphenol (o-Cresol)*	92.0	µg/L	EPA 625	10107401	Acceptable	1.34
6412 3+4-Methylphenol (m+p-Cresol)*	180	µg/L	EPA 625	10107401	Acceptable	1.32
6490 2-Nitrophenol*	134	µg/L	EPA 625	10107401	Acceptable	-0.0699
6495 3-Nitrophenol*	<25	µg/L	EPA 625	10107401	Acceptable	
6500 4-Nitrophenol*	137	µg/L	EPA 625	10107401	Acceptable	0.845
6605 Pentachlorophenol*	31.3	µg/L	EPA 625	10107401	Acceptable	0.633
6625 Phenol*	68.8	µg/L	EPA 625	10107401	Acceptable	1.22
6835 2,4,5-Trichlorophenol*	124	µg/L	EPA 625	10107401	Acceptable	0.226
6840 2,4,6-Trichlorophenol*	<10	µg/L	EPA 625	10107401	Acceptable	

▲ Summary for Method EPA 625 — Analytes Evaluated 17 — Acceptable 17 — Acceptance Percentage 100.0%

PEO-022

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
5610 Benzoic acid*	µg/L		0			0 - 0	
5700 4-Chloro-3-methylphenol*	µg/L		0			0 - 0	
5800 2-Chlorophenol*	µg/L	42.4	53.3	40.7	8.26	16.9 - 67.9	25.4 - 59.4
6000 2,4-Dichlorophenol*	µg/L	102	130	97.2	22.5	46.8 - 156	65.1 - 138
6005 2,6-Dichlorophenol*	µg/L		0			0 - 0	
6130 2,4-Dimethylphenol*	µg/L	90.8	119	89.9	20.4	25.6 - 156	47.4 - 134
6175 2,4-Dinitrophenol*	µg/L	31.2	35.2	17.4	5.56	0.00 - 62.2	10.6 - 51.9
6360 2-Methyl-4,6-dinitrophenol*	µg/L		0			0 - 0	
6400 2-Methylphenol (o-Cresol)*	µg/L	69.3	97.0	71.4	15.5	18.3 - 120	35.3 - 103
6412 3+4-Methylphenol (m+p-Cresol)*	µg/L	128	193	151	38.0	9.63 - 247	49.2 - 207
6490 2-Nitrophenol*	µg/L	136	168	126	35.3	49.6 - 221	78.2 - 193
6495 3-Nitrophenol*	µg/L		0			0 - 0	
6500 4-Nitrophenol*	µg/L	97.7	178	90.0	62.3	0.000 - 237	4.71 - 191
6605 Pentachlorophenol*	µg/L	26.7	35.1	22.6	3.37	0.00 - 48.5	12.2 - 41.2
6625 Phenol*	µg/L	43.6	77.3	37.7	20.6	0.000 - 105	2.48 - 84.8
6835 2,4,5-Trichlorophenol*	µg/L	119	146	121	15.7	53.0 - 186	75.1 - 164
6840 2,4,6-Trichlorophenol*	µg/L		0	74.4	7.53	0 - 0	

PEO-024-2
Chlordane (Total)

Program: WPCHEM

PEO-024-2

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
7250 Chlordane, total	12.3 µg/L	EPA 608	10103603	Acceptable	1.67

PEO-024-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
7250 Chlordane, total	µg/L	9.49	10.2	9.19	1.06	4.45 - 14.5	6.13 - 12.8

PEO-072-1
PCBs in Transformer Oil (Sample 1)

Program: WPCHEM

PEO-072-1

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
8880 Aroclor-1016 (PCB-1016)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8885 Aroclor-1221 (PCB-1221)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8890 Aroclor-1232 (PCB-1232)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8895 Aroclor-1242 (PCB-1242)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8900 Aroclor-1248 (PCB-1248)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8905 Aroclor-1254 (PCB-1254)	16.2 mg/Kg	EPA 8082	10179007	Acceptable	-0.613
8910 Aroclor-1260 (PCB-1260)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8912 Aroclor 1016/1242	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	

PEO-072-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
8880 Aroclor-1016 (PCB-1016)	mg/Kg		0			0 - 0	
8885 Aroclor-1221 (PCB-1221)	mg/Kg		0			0 - 0	
8890 Aroclor-1232 (PCB-1232)	mg/Kg		0			0 - 0	
8895 Aroclor-1242 (PCB-1242)	mg/Kg		0			0 - 0	
8900 Aroclor-1248 (PCB-1248)	mg/Kg		0			0 - 0	
8905 Aroclor-1254 (PCB-1254)	mg/Kg	19.8	24.2	23.3	5.71	2.15 - 37.4	8.02 - 31.5
8910 Aroclor-1260 (PCB-1260)	mg/Kg		0			0 - 0	
8912 Aroclor 1016/1242	mg/Kg		0			0 - 0	

Program: WPCHEM

PEO-072-2
PCBs in Transformer Oil (Sample 2)

PEO-072-2

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
8885 Aroclor-1221 (PCB-1221)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8890 Aroclor-1232 (PCB-1232)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8900 Aroclor-1248 (PCB-1248)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8905 Aroclor-1254 (PCB-1254)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8910 Aroclor-1260 (PCB-1260)	<0.5 mg/Kg	EPA 8082	10179007	Acceptable	
8912 Aroclor 1016/1242	46.5 mg/Kg	EPA 8082	10179007	Acceptable	-1.71

PEO-072-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
8885 Aroclor-1221 (PCB-1221)	mg/Kg		0			0 - 0	
8890 Aroclor-1232 (PCB-1232)	mg/Kg		0			0 - 0	
8900 Aroclor-1248 (PCB-1248)	mg/Kg		0			0 - 0	
8905 Aroclor-1254 (PCB-1254)	mg/Kg		0			0 - 0	
8910 Aroclor-1260 (PCB-1260)	mg/Kg		0			0 - 0	
8912 Aroclor 1016/1242	mg/Kg	68.6	72.6	66.4	15.3	15.5 - 92.6	28.3 - 79.7

PEO-093
Toxaphene

Program: WPCHEM

PEO-093

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
8250 Toxaphene (Chlorinated camphene)*	2.47 µg/L	EPA 608	10103603	Acceptable	-1.32

PEO-093

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
8250 Toxaphene (Chlorinated camphene)*	µg/L	3.77	3.89	3.81	0.960	0.822 - 6.73	1.81 - 5.74

PEO-094
Herbicides

Program: WPCHEM

PEO-094

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
			Overall method evaluation	Acceptable	
▼ Summary for Method EPA 615					
6605 Pentachlorophenol*	1.31 µg/L	EPA 615	10105609	Check	-2.68
8505 Acifluorfen*	<0.2 µg/L	EPA 615	10105609	Acceptable	
8530 Bentazon*	<0.2 µg/L	EPA 615	10105609	Acceptable	
8545 2,4-D*	3.91 µg/L	EPA 615	10105609	Acceptable	-0.316
8560 2,4-DB*	6.27 µg/L	EPA 615	10105609	Acceptable	-0.594
8595 Dicamba*	4.31 µg/L	EPA 615	10105609	Acceptable	0.0551
8600 3,5-Dichlorobenzoic acid*	<0.2 µg/L	EPA 615	10105609	Acceptable	
8605 Dichloroprop*	<0.2 µg/L	EPA 615	10105609	Acceptable	
8620 Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)*	<0.2 µg/L	EPA 615	10105609	Acceptable	
8645 Picloram*	<0.2 µg/L	EPA 615	10105609	Acceptable	
8650 Silvex (2,4,5-TP)*	4.62 µg/L	EPA 615	10105609	Acceptable	0.0141
8655 2,4,5-T	3.23 µg/L	EPA 615	10105609	Acceptable	-0.0874
▲ Summary for Method EPA 615	Analytes Evaluated 12		Acceptable 12		Acceptance Percentage 100.0%

PEO-094

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
6605 Pentachlorophenol*	µg/L	4.04	5.13	4.93	0.825	0.999 - 7.09	2.01 - 6.07
8505 Acifluorfen*	µg/L		0			0 - 0	
8530 Bentazon*	µg/L		0			0 - 0	
8545 2,4-D*	µg/L	4.41	5.87	4.66	2.06	0.000 - 9.16	1.25 - 7.57
8560 2,4-DB*	µg/L	7.63	8.83	7.49	2.07	0.760 - 14.5	
8595 Dicamba*	µg/L	4.24	5.51	4.83	1.08	0.417 - 8.06	1.69 - 6.79
8600 3,5-Dichlorobenzoic acid*	µg/L		0			0 - 0	
8605 Dichloroprop*	µg/L		0			0 - 0	
8620 Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)*	µg/L		0			0 - 0	
8645 Picloram*	µg/L		0			0 - 0	
8650 Silvex (2,4,5-TP)*	µg/L	4.60	6.58	5.24	1.72	0.336 - 8.86	1.76 - 7.44
8655 2,4,5-T	µg/L	3.32	4.24	3.87	1.10	0.223 - 6.41	1.25 - 5.38

PEO-120-1
Volatile Organic Compounds 1

Program: WPCHEM

PEO-120-1

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
▼ Summary for Method **EPA 601**					Overall method evaluation **Acceptable**	
4375 Benzene	18.9	µg/L	EPA 601	10102008	Acceptable	-0.922
4610 1,2-Dichlorobenzene	7.59	µg/L	EPA 601	10102008	Acceptable	-1.71
4615 1,3-Dichlorobenzene	25.2	µg/L	EPA 601	10102008	Acceptable	-0.630
4620 1,4-Dichlorobenzene	10.3	µg/L	EPA 601	10102008	Acceptable	-1.15
4765 Ethylbenzene	14.8	µg/L	EPA 601	10102008	Check	-2.55
5000 Methyl tert-butyl ether (MTBE)*	10.9	µg/L	EPA 601	10102008	Acceptable	
5140 Toluene	10.0	µg/L	EPA 601	10102008	Acceptable	-1.64
5240 m+p-Xylene*	20.7	µg/L	EPA 601	10102008	Acceptable	-1.49
5250 o-Xylene*	10.2	µg/L	EPA 601	10102008	Check	-2.24
5260 Xylene, total*	30.9	µg/L	EPA 601	10102008	Acceptable	-1.79
▲ Summary for Method **EPA 601**	Analytes Evaluated **10**		Acceptable **10**		Acceptance Percentage **100.0%**	
▼ Summary for Method **EPA 602**					Overall method evaluation **Acceptable**	
4375 Benzene	18.9	µg/L	EPA 602	10102202	Acceptable	-0.922
4610 1,2-Dichlorobenzene	7.59	µg/L	EPA 602	10102202	Acceptable	-1.71
4615 1,3-Dichlorobenzene	25.2	µg/L	EPA 602	10102202	Acceptable	-0.630
4620 1,4-Dichlorobenzene	10.3	µg/L	EPA 602	10102202	Acceptable	-1.15
4765 Ethylbenzene	14.8	µg/L	EPA 602	10102202	Check	-2.55
5000 Methyl tert-butyl ether (MTBE)*	10.9	µg/L	EPA 602	10102202	Acceptable	
5140 Toluene	10.0	µg/L	EPA 602	10102202	Acceptable	-1.64
5240 m+p-Xylene*	20.7	µg/L	EPA 602	10102202	Acceptable	-1.49
5250 o-Xylene*	10.2	µg/L	EPA 602	10102202	Check	-2.24
5260 Xylene, total*	30.9	µg/L	EPA 602	10102202	Acceptable	-1.79
▲ Summary for Method **EPA 602**	Analytes Evaluated **10**		Acceptable **10**		Acceptance Percentage **100.0%**	
▼ Summary for Method **EPA 624**					Overall method evaluation **Acceptable**	
4375 Benzene	19.8	µg/L	EPA 624	10107207	Acceptable	-0.485
4610 1,2-Dichlorobenzene	8.37	µg/L	EPA 624	10107207	Acceptable	-0.962
4615 1,3-Dichlorobenzene	21.7	µg/L	EPA 624	10107207	Acceptable	-2.01
4620 1,4-Dichlorobenzene	10.1	µg/L	EPA 624	10107207	Acceptable	-1.31
4765 Ethylbenzene	15.6	µg/L	EPA 624	10107207	Check	-2.17
5000 Methyl tert-butyl ether (MTBE)*	9.86	µg/L	EPA 624	10107207	Acceptable	
5005 Naphthalene*	33.5	µg/L	EPA 624	10107207	Acceptable	
5140 Toluene	9.90	µg/L	EPA 624	10107207	Acceptable	-1.72
5210 1,2,4-Trimethylbenzene*	37.4	µg/L	EPA 624	10107207	Not acceptable	2.83
5215 1,3,5-Trimethylbenzene*	15.4	µg/L	EPA 624	10107207	Acceptable	0.524
5240 m+p-Xylene*	24.0	µg/L	EPA 624	10107207	Acceptable	-0.668
5250 o-Xylene*	13.6	µg/L	EPA 624	10107207	Acceptable	-0.970
5260 Xylene, total*	37.6	µg/L	EPA 624	10107207	Acceptable	-0.669
▲ Summary for Method **EPA 624**	Analytes Evaluated **13**		Acceptable **12**		Acceptance Percentage **92.3%**	

PEO-120-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4375 Benzene	µg/L	20.8	20.7	20.2	2.70	14.6 - 27.0	16.7 - 24.9
4610 1,2-Dichlorobenzene	µg/L	9.37	9.36	9.20	1.28	6.24 - 12.5	7.28 - 11.5
4615 1,3-Dichlorobenzene	µg/L	26.8	27.4	27.7	4.88	19.2 - 34.4	21.7 - 31.9
4620 1,4-Dichlorobenzene	µg/L	11.8	11.8	12.2	2.28	7.95 - 15.7	9.24 - 14.4
4765 Ethylbenzene	µg/L	20.2	20.5	20.6	3.03	13.9 - 26.6	16.0 - 24.5
5000 Methyl tert-butyl ether (MTBE)*	µg/L	12.9	12.9	12.0	1.72	7.74 - 18.1	
5005 Naphthalene*	µg/L	25.2	25.2	22.8	7.00	15.1 - 35.3	
5140 Toluene	µg/L	12.0	12.1	11.9	1.47	8.36 - 15.7	9.58 - 14.5
5210 1,2,4-Trimethylbenzene*	µg/L	25.9	25.6	25.9	4.45	16.9 - 34.3	
5215 1,3,5-Trimethylbenzene*	µg/L	14.4	14.4	14.4	2.07	8.67 - 20.1	
5240 m+p-Xylene*	µg/L	26.7	26.9	26.6	4.43	14.6 - 38.8	18.6 - 34.8
5250 o-Xylene*	µg/L	16.2	15.8	15.3	2.59	8.13 - 24.2	10.8 - 21.5

PEO-120-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
5250 o-Xylene*	µg/L	16.2	15.8	15.3	2.59	8.13 - 24.2	10.8 - 21.5
5260 Xylene, total*	µg/L	41.6	42.6	41.7	6.58	23.7 - 59.6	29.7 - 53.6

PEO-120-2

Volatile Organic Compounds 2

Program: WPCHEM

PEO-120-2

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
▼ Summary for Method **EPA 601**					Overall method evaluation **Acceptable**	
4395 Bromodichloromethane	37.6	µg/L	EPA 601	10102008	Acceptable	-0.973
4400 Bromoform	91.6	µg/L	EPA 601	10102008	Check	2.02
4455 Carbon tetrachloride	11.3	µg/L	EPA 601	10102008	Acceptable	-1.99
4475 Chlorobenzene	47.0	µg/L	EPA 601	10102008	Acceptable	-0.468
4505 Chloroform	24.2	µg/L	EPA 601	10102008	Check	-2.07
4575 Dibromochloromethane	31.4	µg/L	EPA 601	10102008	Acceptable	-0.944
4635 1,2-Dichloroethane	21.7	µg/L	EPA 601	10102008	Acceptable	-1.82
4975 Methylene chloride (Dichloromethane)	55.8	µg/L	EPA 601	10102008	Acceptable	-1.14
5115 Tetrachloroethylene (Perchloroethylene)	23.5	µg/L	EPA 601	10102008	Check	-2.13
5160 1,1,1-Trichloroethane	14.0	µg/L	EPA 601	10102008	Acceptable	-1.77
5170 Trichloroethene (Trichloroethylene)	25.1	µg/L	EPA 601	10102008	Acceptable	-1.30
▲ Summary for Method **EPA 601**	Analytes Evaluated **11**		Acceptable **11**		Acceptance Percentage **100.0%**	
▼ Summary for Method **EPA 602**					Overall method evaluation **Acceptable**	
4395 Bromodichloromethane	37.6	µg/L	EPA 602	10102202	Acceptable	-0.973
4400 Bromoform	91.6	µg/L	EPA 602	10102202	Check	2.02
4455 Carbon tetrachloride	11.3	µg/L	EPA 602	10102202	Acceptable	-1.99
4475 Chlorobenzene	47.0	µg/L	EPA 602	10102202	Acceptable	-0.468
4505 Chloroform	24.2	µg/L	EPA 602	10102202	Check	-2.07
4575 Dibromochloromethane	31.4	µg/L	EPA 602	10102202	Acceptable	-0.944
4635 1,2-Dichloroethane	21.7	µg/L	EPA 602	10102202	Acceptable	-1.82
4975 Methylene chloride (Dichloromethane)	55.8	µg/L	EPA 602	10102202	Acceptable	-1.14
5115 Tetrachloroethylene (Perchloroethylene)	23.5	µg/L	EPA 602	10102202	Check	-2.13
5160 1,1,1-Trichloroethane	14.0	µg/L	EPA 602	10102202	Acceptable	-1.77
5170 Trichloroethene (Trichloroethylene)	25.1	µg/L	EPA 602	10102202	Acceptable	-1.30
▲ Summary for Method **EPA 602**	Analytes Evaluated **11**		Acceptable **11**		Acceptance Percentage **100.0%**	
▼ Summary for Method **EPA 624**					Overall method evaluation **Acceptable**	
4395 Bromodichloromethane	40.3	µg/L	EPA 624	10107207	Acceptable	-0.316
4400 Bromoform	68.5	µg/L	EPA 624	10107207	Acceptable	-0.647
4455 Carbon tetrachloride	14.0	µg/L	EPA 624	10107207	Acceptable	-0.576
4475 Chlorobenzene	43.3	µg/L	EPA 624	10107207	Acceptable	-1.26
4505 Chloroform	28.3	µg/L	EPA 624	10107207	Acceptable	-0.700
4575 Dibromochloromethane	34.3	µg/L	EPA 624	10107207	Acceptable	-0.204
4635 1,2-Dichloroethane	27.4	µg/L	EPA 624	10107207	Acceptable	0.175
4975 Methylene chloride (Dichloromethane)	56.6	µg/L	EPA 624	10107207	Acceptable	-1.04
5115 Tetrachloroethylene (Perchloroethylene)	28.5	µg/L	EPA 624	10107207	Acceptable	-0.610
5160 1,1,1-Trichloroethane	17.3	µg/L	EPA 624	10107207	Acceptable	-0.0521
5170 Trichloroethene (Trichloroethylene)	24.8	µg/L	EPA 624	10107207	Acceptable	-1.39
▲ Summary for Method **EPA 624**	Analytes Evaluated **11**		Acceptable **11**		Acceptance Percentage **100.0%**	

PEO-120-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4395 Bromodichloromethane	µg/L	41.6	41.4	43.0	4.36	29.3 - 53.9	33.4 - 49.8
4400 Bromoform	µg/L	74.1	73.2	72.4	6.96	48.2 - 100	56.8 - 91.4
4455 Carbon tetrachloride	µg/L	15.1	14.7	14.6	2.61	9.36 - 20.8	11.3 - 18.9
4475 Chlorobenzene	µg/L	49.2	49.7	51.1	6.20	35.1 - 63.3	39.8 - 58.6

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4475 Chlorobenzene	µg/L	49.2	49.7	51.1	6.20	35.1 - 63.3	39.8 - 58.6
4505 Chloroform	µg/L	30.4	30.6	31.4	3.75	21.4 - 39.4	24.4 - 36.4
4575 Dibromochloromethane	µg/L	35.1	35.3	35.2	4.06	23.3 - 46.8	27.2 - 42.9
4635 1,2-Dichloroethane	µg/L	26.9	26.3	26.6	3.46	18.3 - 35.4	21.2 - 32.6
4975 Methylene chloride (Dichloromethane)	µg/L	64.9	64.7	64.1	9.91	40.9 - 88.9	48.9 - 80.9
5115 Tetrachloroethylene (Perchloroethylene)	µg/L	30.5	31.3	29.7	5.52	20.7 - 40.3	23.9 - 37.1
5160 1,1,1-Trichloroethane	µg/L	17.4	17.6	18.0	2.51	11.7 - 23.2	13.6 - 21.3
5170 Trichloroethene (Trichloroethylene)	µg/L	29.3	30.1	29.8	3.96	19.6 - 39.0	22.8 - 35.8

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
▼ Summary for Method EPA 601			Overall method evaluation	Acceptable	
4315 Acetone*	134 µg/L	EPA 601	10102008	Acceptable	0.838
4410 2-Butanone (Methyl ethyl ketone, MEK)*	17.2 µg/L	EPA 601	10102008	Acceptable	-1.71
4485 Chloroethane*	21.5 µg/L	EPA 601	10102008	Acceptable	-0.729
4500 2-Chloroethyl vinyl ether*	<2.0 µg/L	EPA 601	10102008	Acceptable	
4585 1,2-Dibromoethane (EDB, Ethylene dibromide)*	13.6 µg/L	EPA 601	10102008	Not acceptable	-3.38
4625 Dichlorodifluoromethane*	<0.5 µg/L	EPA 601	10102008	Acceptable	
4630 1,1-Dichloroethane*	40.8 µg/L	EPA 601	10102008	Acceptable	-1.45
4640 1,1-Dichloroethylene*	36.5 µg/L	EPA 601	10102008	Acceptable	-0.677
4645 cis-1,2-Dichloroethylene*	<0.5 µg/L	EPA 601	10102008	Acceptable	
4655 1,2-Dichloropropane*	15.6 µg/L	EPA 601	10102008	Check	-2.33
4680 cis-1,3-Dichloropropene*	<0.5 µg/L	EPA 601	10102008	Acceptable	
4685 trans-1,3-Dichloropropylene*	<0.5 µg/L	EPA 601	10102008	Acceptable	
4700 trans-1,2-Dichloroethylene*	16.8 µg/L	EPA 601	10102008	Acceptable	-1.22
4860 2-Hexanone*	<0.5 µg/L	EPA 601	10102008	Acceptable	
4950 Methyl bromide (Bromomethane)*	20.1 µg/L	EPA 601	10102008	Acceptable	-1.28
4960 Methyl chloride (Chloromethane)*	87.5 µg/L	EPA 601	10102008	Check	2.08
4995 4-Methyl-2-pentanone (MIBK)*	<5.0 µg/L	EPA 601	10102008	Acceptable	
5100 Styrene*	45.5 µg/L	EPA 601	10102008	Acceptable	0.113
5110 1,1,2,2-Tetrachloroethane*	27.3 µg/L	EPA 601	10102008	Acceptable	-1.53
5165 1,1,2-Trichloroethane*	36.8 µg/L	EPA 601	10102008	Acceptable	-1.50
5175 Trichlorofluoromethane*	<0.5 µg/L	EPA 601	10102008	Acceptable	
5235 Vinyl chloride*	<0.5 µg/L	EPA 601	10102008	Acceptable	
▲ Summary for Method EPA 601	Analytes Evaluated 22		Acceptable 21	Acceptance Percentage 95.5%	
▼ Summary for Method EPA 602			Overall method evaluation	Acceptable	
4315 Acetone*	134 µg/L	EPA 602	10102202	Acceptable	0.838
4410 2-Butanone (Methyl ethyl ketone, MEK)*	17.2 µg/L	EPA 602	10102202	Acceptable	-1.71
4485 Chloroethane*	21.5 µg/L	EPA 602	10102202	Acceptable	-0.729
4500 2-Chloroethyl vinyl ether*	<2.0 µg/L	EPA 602	10102202	Acceptable	
4585 1,2-Dibromoethane (EDB, Ethylene dibromide)*	13.6 µg/L	EPA 602	10102202	Not acceptable	-3.38
4625 Dichlorodifluoromethane*	<0.5 µg/L	EPA 602	10102202	Acceptable	
4630 1,1-Dichloroethane*	40.8 µg/L	EPA 602	10102202	Acceptable	-1.45
4640 1,1-Dichloroethylene*	36.5 µg/L	EPA 602	10102202	Acceptable	-0.677
4645 cis-1,2-Dichloroethylene*	<0.5 µg/L	EPA 602	10102202	Acceptable	
4655 1,2-Dichloropropane*	15.6 µg/L	EPA 602	10102202	Check	-2.33
4680 cis-1,3-Dichloropropene*	<0.5 µg/L	EPA 602	10102202	Acceptable	
4685 trans-1,3-Dichloropropylene*	<0.5 µg/L	EPA 602	10102202	Acceptable	
4700 trans-1,2-Dichloroethylene*	16.8 µg/L	EPA 602	10102202	Acceptable	-1.22
4860 2-Hexanone*	<0.5 µg/L	EPA 602	10102202	Acceptable	
4950 Methyl bromide (Bromomethane)*	20.1 µg/L	EPA 602	10102202	Acceptable	-1.28
4960 Methyl chloride (Chloromethane)*	87.5 µg/L	EPA 602	10102202	Check	2.08
4995 4-Methyl-2-pentanone (MIBK)*	<5.0 µg/L	EPA 602	10102202	Acceptable	
5100 Styrene*	45.5 µg/L	EPA 602	10102202	Acceptable	0.113
5110 1,1,2,2-Tetrachloroethane*	27.3 µg/L	EPA 602	10102202	Acceptable	-1.53
5165 1,1,2-Trichloroethane*	36.8 µg/L	EPA 602	10102202	Acceptable	-1.50
5175 Trichlorofluoromethane*	<0.5 µg/L	EPA 602	10102202	Acceptable	
5235 Vinyl chloride*	<0.5 µg/L	EPA 602	10102202	Acceptable	
▲ Summary for Method EPA 602	Analytes Evaluated 22		Acceptable 21	Acceptance Percentage 95.5%	
▼ Summary for Method EPA 624			Overall method evaluation	Acceptable	
4315 Acetone*	64.1 µg/L	EPA 624	10107207	Acceptable	-0.515
4325 Acrolein (Propenal)*	<20.0 µg/L	EPA 624	10107207	Acceptable	
4340 Acrylonitrile*	<10.0 µg/L	EPA 624	10107207	Acceptable	

PEO-120-3

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	z
4410 2-Butanone (Methyl ethyl ketone, MEK)*	29.2	µg/L	EPA 624	10107207	Acceptable	-0.634
4450 Carbon disulfide*	48.7	µg/L	EPA 624	10107207	Acceptable	-0.434
4485 Chloroethane*	15.4	µg/L	EPA 624	10107207	Check	-2.16
4500 2-Chloroethyl vinyl ether*	<2.0	µg/L	EPA 624	10107207	Acceptable	
4595 Dibromomethane*	27.4	µg/L	EPA 624	10107207	Not acceptable	4.79
4626 Dichlorofluoromethane	<5.0	µg/L	EPA 624	10107207	Acceptable	
4630 1,1-Dichloroethane*	44.2	µg/L	EPA 624	10107207	Acceptable	-0.829
4640 1,1-Dichloroethylene*	32.8	µg/L	EPA 624	10107207	Acceptable	-1.22
4645 cis-1,2-Dichloroethylene*	<2.0	µg/L	EPA 624	10107207	Acceptable	
4655 1,2-Dichloropropane*	19.3	µg/L	EPA 624	10107207	Acceptable	-0.174
4685 trans-1,3-Dichloropropylene*	<2.0	µg/L	EPA 624	10107207	Acceptable	
4700 trans-1,2-Dichloroethylene*	18.4	µg/L	EPA 624	10107207	Acceptable	-0.707
4860 2-Hexanone*	<5.0	µg/L	EPA 624	10107207	Acceptable	
4950 Methyl bromide (Bromomethane)*	22.9	µg/L	EPA 624	10107207	Acceptable	-0.888
4960 Methyl chloride (Chloromethane)*	59.7	µg/L	EPA 624	10107207	Acceptable	0.0511
4995 4-Methyl-2-pentanone (MIBK)*	<5.0	µg/L	EPA 624	10107207	Acceptable	
5100 Styrene*	42.5	µg/L	EPA 624	10107207	Acceptable	-0.453
5105 1,1,1,2-Tetrachloroethane*	<2.0	µg/L	EPA 624	10107207	Not acceptable	
5110 1,1,2,2-Tetrachloroethane*	33.7	µg/L	EPA 624	10107207	Acceptable	-0.206
5165 1,1,2-Trichloroethane*	58.5	µg/L	EPA 624	10107207	Not acceptable	3.42
5175 Trichlorofluoromethane*	<5.0	µg/L	EPA 624	10107207	Acceptable	
5180 1,2,3-Trichloropropane*	95.7	µg/L	EPA 624	10107207	Acceptable	1.94
5225 Vinyl acetate*	<5.0	µg/L	EPA 624	10107207	Acceptable	
5235 Vinyl chloride*	<5.0	µg/L	EPA 624	10107207	Acceptable	

▲ Summary for Method EPA 624 — Analytes Evaluated 27 — Acceptable 24 — Acceptance Percentage 88.9%

PEO-120-3

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4315 Acetone*	µg/L	90.7	57.0	93.7	50.2	0.000 - 246	
4325 Acrolein (Propenal)*	µg/L		0			0 - 0	
4340 Acrylonitrile*	µg/L		0			0 - 0	
4410 2-Butanone (Methyl ethyl ketone, MEK)*	µg/L	36.3	29.0	36.2	13.6	0.00 - 69.9	
4450 Carbon disulfide*	µg/L	52.9	61.1	52.9	10.2	0.00 - 81.9	
4485 Chloroethane*	µg/L	24.6	19.7	20.6	3.83	11.9 - 37.4	16.1 - 33.1
4500 2-Chloroethyl vinyl ether*	µg/L		0			0 - 0	
4585 1,2-Dibromoethane (EDB, Ethylene dibromide)*	µg/L	22.9	22.7	22.5	3.05	14.7 - 31.2	
4595 Dibromomethane*	µg/L	72.1	69.6	70.1	11.9	44.1 - 100	
4625 Dichlorodifluoromethane*	µg/L		0			0 - 0	
4626 Dichlorofluoromethane	µg/L		0			0 - 0	
4630 1,1-Dichloroethane*	µg/L	48.7	47.5	45.4	4.54	32.4 - 65.0	37.9 - 59.6
4640 1,1-Dichloroethylene*	µg/L	41.1	39.4	39.4	5.76	20.7 - 61.5	27.5 - 54.7
4645 cis-1,2-Dichloroethylene*	µg/L		0			0 - 0	
4655 1,2-Dichloropropane*	µg/L	19.6	19.8	19.7	2.68	14.4 - 24.7	16.2 - 23.0
4680 cis-1,3-Dichloropropene*	µg/L		0			0 - 0	
4685 trans-1,3-Dichloropropylene*	µg/L		0			0 - 0	
4700 trans-1,2-Dichloroethylene*	µg/L	20.6	20.7	20.4	3.69	11.3 - 30.0	14.4 - 26.9
4860 2-Hexanone*	µg/L		0			0 - 0	
4950 Methyl bromide (Bromomethane)*	µg/L	29.3	29.2	27.4	5.86	7.62 - 50.9	14.8 - 43.7
4960 Methyl chloride (Chloromethane)*	µg/L	59.0	59.8	78.6	17.6	18.0 - 100	31.7 - 86.4
4995 4-Methyl-2-pentanone (MIBK)*	µg/L		0			0 - 0	
5100 Styrene*	µg/L	44.9	44.7	44.1	5.29	29.0 - 60.8	34.3 - 55.5
5105 1,1,1,2-Tetrachloroethane*	µg/L	24.9	24.7	24.8	2.71	17.0 - 32.8	
5110 1,1,2,2-Tetrachloroethane*	µg/L	34.7	35.1	37.5	4.96	20.1 - 49.2	25.0 - 44.4
5165 1,1,2-Trichloroethane*	µg/L	43.4	43.7	45.6	6.11	30.2 - 56.6	34.6 - 52.2
5175 Trichlorofluoromethane*	µg/L		0			0 - 0	
5180 1,2,3-Trichloropropane*	µg/L	68.3	66.8	68.3	13.3	26.0 - 111	
5225 Vinyl acetate*	µg/L		0			0 - 0	

Study Summary

PEO-120-3

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
5235 Vinyl chloride*	µg/L		0			0 - 0	

PEO-121-1

Base/Neutrals Compounds 1

Program: WPCHEM

PEO-121-1

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
▼ Summary for Method EPA 625					Overall method evaluation	Acceptable
5005 Naphthalene*	77.9	µg/L	EPA 625	10107401	Acceptable	0.662
5500 Acenaphthene*	54.7	µg/L	EPA 625	10107401	Acceptable	1.31
5505 Acenaphthylene*	111	µg/L	EPA 625	10107401	Acceptable	0.167
5555 Anthracene*	124	µg/L	EPA 625	10107401	Acceptable	0.548
5575 Benzo(a)anthracene*	151	µg/L	EPA 625	10107401	Acceptable	0.653
5580 Benzo(a)pyrene*	139	µg/L	EPA 625	10107401	Acceptable	0.659
5585 Benzo(b)fluoranthene*	62.2	µg/L	EPA 625	10107401	Acceptable	-0.0616
5590 Benzo(g,h,i)perylene*	14.1	µg/L	EPA 625	10107401	Acceptable	0.758
5600 Benzo(k)fluoranthene*	<10	µg/L	EPA 625	10107401	Acceptable	
5601 Benzo(b+k)fluoranthene*	62.2	µg/L	EPA 625	10107401	Acceptable	-0.133
5855 Chrysene*	<10	µg/L	EPA 625	10107401	Acceptable	
5895 Dibenz(a,h) anthracene*	13.8	µg/L	EPA 625	10107401	Acceptable	0.569
6265 Fluoranthene*	117	µg/L	EPA 625	10107401	Acceptable	0.209
6270 Fluorene*	168	µg/L	EPA 625	10107401	Acceptable	0.939
6315 Indeno(1,2,3-cd) pyrene*	<10	µg/L	EPA 625	10107401	Acceptable	
6615 Phenanthrene*	136	µg/L	EPA 625	10107401	Acceptable	-0.0362
6665 Pyrene*	51.0	µg/L	EPA 625	10107401	Acceptable	0.853

▲ Summary for Method EPA 625 — Analytes Evaluated 17 — Acceptable 17 — Acceptance Percentage 100.0%

PEO-121-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
5005 Naphthalene*	µg/L	67.9	86.6	63.9	11.7	22.7 - 113	37.8 - 98.0
5500 Acenaphthene*	µg/L	45.0	55.5	44.5	8.35	22.8 - 67.2	30.2 - 59.8
5505 Acenaphthylene*	µg/L	108	134	106	19.9	53.7 - 162	71.7 - 144
5555 Anthracene*	µg/L	112	138	113	17.8	46.8 - 178	68.7 - 156
5575 Benzo(a)anthracene*	µg/L	138	158	134	29.0	78.2 - 197	98.0 - 178
5580 Benzo(a)pyrene*	µg/L	122	155	124	22.9	45.0 - 200	70.8 - 174
5585 Benzo(b)fluoranthene*	µg/L	63.1	75.4	60.0	10.6	19.1 - 107	33.8 - 92.4
5590 Benzo(g,h,i)perylene*	µg/L	10.9	15.5	11.4	1.51	0.000 - 23.6	2.47 - 19.3
5600 Benzo(k)fluoranthene*	µg/L		0			0 - 0	
5601 Benzo(b+k)fluoranthene*	µg/L	63.1	75.4	62.4	5.45	19.1 - 107	33.8 - 92.4
5855 Chrysene*	µg/L		0			0 - 0	
5895 Dibenz(a,h) anthracene*	µg/L	12.2	15.4	10.3	2.01	3.77 - 20.6	6.58 - 17.8
6265 Fluoranthene*	µg/L	113	132	107	24.6	56.0 - 171	75.1 - 152
6270 Fluorene*	µg/L	145	171	135	34.8	71.5 - 218	95.9 - 194
6315 Indeno(1,2,3-cd) pyrene*	µg/L		0			0 - 0	
6615 Phenanthrene*	µg/L	137	166	134	30.2	54.1 - 220	81.7 - 192
6665 Pyrene*	µg/L	43.3	49.5	46.7	9.43	16.2 - 70.3	25.2 - 61.3

PEO-121-2
Base/Neutrals Compounds 2

Program: WPCHEM

PEO-121-2

Evaluation

Analyte	Result Units	Method	Method ID	Evaluation	Z
▼ Summary for Method **EPA 625**				Overall method evaluation **Acceptable**	
4610 1,2-Dichlorobenzene*	<10 µg/L	EPA 625	10107401	Acceptable	
4615 1,3-Dichlorobenzene*	<10 µg/L	EPA 625	10107401	Acceptable	
4620 1,4-Dichlorobenzene*	<10 µg/L	EPA 625	10107401	Acceptable	
4835 Hexachlorobutadiene*	73.3 µg/L	EPA 625	10107401	Acceptable	0.279
4840 Hexachloroethane*	113 µg/L	EPA 625	10107401	Acceptable	0.746
5015 Nitrobenzene*	104 µg/L	EPA 625	10107401	Acceptable	0.404
5155 1,2,4-Trichlorobenzene*	107 µg/L	EPA 625	10107401	Acceptable	0.245
5545 Aniline*	<10 µg/L	EPA 625	10107401	Acceptable	
5595 Benzidine*	<50 µg/L	EPA 625	10107401	Acceptable	
5630 Benzyl alcohol*	<10 µg/L	EPA 625	10107401	Acceptable	
5660 4-Bromophenyl phenyl ether*	<10 µg/L	EPA 625	10107401	Acceptable	
5670 Butyl benzyl phthalate*	35.2 µg/L	EPA 625	10107401	Acceptable	0.233
5680 Carbazole*	<10 µg/L	EPA 625	10107401	Acceptable	
5745 4-Chloroaniline*	<10 µg/L	EPA 625	10107401	Acceptable	
5760 bis(2-Chloroethoxy)methane*	<10 µg/L	EPA 625	10107401	Acceptable	
5765 bis(2-Chloroethyl) ether*	37.2 µg/L	EPA 625	10107401	Acceptable	0.161
5780 bis(2-Chloroisopropyl) ether*	<10 µg/L	EPA 625	10107401	Acceptable	
5790 1-Chloronaphthalene*	<10 µg/L	EPA 625	10107401	Acceptable	
5795 2-Chloronaphthalene*	120 µg/L	EPA 625	10107401	Acceptable	1.26
5825 4-Chlorophenyl phenylether*	99.6 µg/L	EPA 625	10107401	Acceptable	0.305
5905 Dibenzofuran*	53.3 µg/L	EPA 625	10107401	Acceptable	0.0407
5925 Di-n-butyl phthalate*	49.0 µg/L	EPA 625	10107401	Acceptable	0.314
5945 3,3'-Dichlorobenzidine*	<25 µg/L	EPA 625	10107401	Acceptable	
6070 Diethyl phthalate*	95.1 µg/L	EPA 625	10107401	Acceptable	0.911
6135 Dimethyl phthalate*	73.5 µg/L	EPA 625	10107401	Acceptable	0.789
6185 2,4-Dinitrotoluene (2,4-DNT)*	123 µg/L	EPA 625	10107401	Acceptable	0.297
6190 2,6-Dinitrotoluene (2,6-DNT)*	20.1 µg/L	EPA 625	10107401	Acceptable	1.34
6200 Di-n-octyl phthalate*	184 µg/L	EPA 625	10107401	Acceptable	0.723
6255 bis(2-Ethylhexyl) phthalate (DEHP)*	<10 µg/L	EPA 625	10107401	Acceptable	
6275 Hexachlorobenzene*	7.48 µg/L	EPA 625	10107401	Acceptable	-1.51
6285 Hexachlorocyclopentadiene*	114 µg/L	EPA 625	10107401	Acceptable	0.517
6320 Isophorone*	<10 µg/L	EPA 625	10107401	Acceptable	
6380 1-Methylnaphthalene*	<10 µg/L	EPA 625	10107401	Acceptable	
6385 2-Methylnaphthalene*	138 µg/L	EPA 625	10107401	Acceptable	1.28
6460 2-Nitroaniline*	<10 µg/L	EPA 625	10107401	Acceptable	
6465 3-Nitroaniline*	<25 µg/L	EPA 625	10107401	Acceptable	
6470 4-Nitroaniline*	<25 µg/L	EPA 625	10107401	Acceptable	
6525 n-Nitrosodiethylamine*	<10 µg/L	EPA 625	10107401	Acceptable	
6530 n-Nitrosodimethylamine*	<10 µg/L	EPA 625	10107401	Acceptable	
6535 n-Nitrosodiphenylamine*	<10 µg/L	EPA 625	10107401	Acceptable	
6545 n-Nitrosodi-n-propylamine*	<10 µg/L	EPA 625	10107401	Acceptable	
▲ Summary for Method **EPA 625**	Analytes Evaluated 41		Acceptable 41	Acceptance Percentage **100.0%**	

PEO-121-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4610 1,2-Dichlorobenzene*	µg/L		0			0 - 0	
4615 1,3-Dichlorobenzene*	µg/L		0			0 - 0	
4620 1,4-Dichlorobenzene*	µg/L		0			0 - 0	
4835 Hexachlorobutadiene*	µg/L	68.5	99.8	63.1	20.3	16.8 - 120	34.0 - 103
4840 Hexachloroethane*	µg/L	92.7	137	91.8	26.6	11.2 - 174	38.4 - 147
5015 Nitrobenzene*	µg/L	96.2	118	98.0	8.22	38.2 - 154	57.5 - 135
5155 1,2,4-Trichlorobenzene*	µg/L	102	138	98.1	19.6	40.5 - 163	60.9 - 143
5545 Aniline*	µg/L		0			0 - 0	

Study Summary

PEO-121-2

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
5595 Benzidine*	µg/L		0			0 - 0	
5630 Benzyl alcohol*	µg/L		0			0 - 0	
5660 4-Bromophenyl phenyl ether*	µg/L		0			0 - 0	
5670 Butyl benzyl phthalate*	µg/L	33.1	37.2	30.4	10.0	6.04 - 60.2	15.1 - 51.2
5680 Carbazole*	µg/L		0			0 - 0	
5745 4-Chloroaniline*	µg/L		0			0 - 0	
5760 bis(2-Chloroethoxy)methane*	µg/L		0			0 - 0	
5765 bis(2-Chloroethyl) ether*	µg/L	36.0	45.4	36.7	5.21	13.6 - 58.5	21.1 - 51.0
5780 bis(2-Chloroisopropyl) ether*	µg/L		0			0 - 0	
5790 1-Chloronaphthalene*	µg/L		0			0 - 0	
5795 2-Chloronaphthalene*	µg/L	100	131	99.8	18.3	52.7 - 148	68.6 - 132
5825 4-Chlorophenyl phenylether*	µg/L	94.3	115	92.3	14.5	42.2 - 146	59.5 - 129
5905 Dibenzofuran*	µg/L	52.9	64.8	47.7	8.11	23.4 - 82.4	33.2 - 72.6
5925 Di-n-butyl phthalate*	µg/L	45.7	54.0	47.2	11.1	14.3 - 77.1	24.8 - 66.6
5945 3,3'-Dichlorobenzidine*	µg/L		0			0 - 0	
6070 Diethyl phthalate*	µg/L	72.6	96.0	74.8	22.1	0.000 - 147	23.2 - 122
6135 Dimethyl phthalate*	µg/L	56.3	79.6	63.4	14.8	0.000 - 122	12.8 - 99.9
6185 2,4-Dinitrotoluene (2,4-DNT)*	µg/L	117	133	109	16.6	56.0 - 177	76.2 - 157
6190 2,6-Dinitrotoluene (2,6-DNT)*	µg/L	16.4	21.2	16.9	2.84	8.10 - 24.7	10.9 - 21.9
6200 Di-n-octyl phthalate*	µg/L	153	195	157	51.2	24.1 - 281	66.9 - 238
6255 bis(2-Ethylhexyl) phthalate (DEHP)*	µg/L		0			0 - 0	
6275 Hexachlorobenzene*	µg/L	10.1	11.5	8.94	2.10	4.90 - 15.3	6.64 - 13.6
6285 Hexachlorocyclopentadiene*	µg/L	94.7	163	114	45.5	0.000 - 206	20.1 - 169
6320 Isophorone*	µg/L		0			0 - 0	
6380 1-Methylnaphthalene*	µg/L		0			0 - 0	
6385 2-Methylnaphthalene*	µg/L	107	161	122	21.6	33.6 - 180	57.9 - 155
6460 2-Nitroaniline*	µg/L		0			0 - 0	
6465 3-Nitroaniline*	µg/L		0			0 - 0	
6470 4-Nitroaniline*	µg/L		0			0 - 0	
6525 n-Nitrosodiethylamine*	µg/L		0			0 - 0	
6530 n-Nitrosodimethylamine*	µg/L		0			0 - 0	
6535 n-Nitrosodiphenylamine*	µg/L		0			0 - 0	
6545 n-Nitrosodi-n-propylamine*	µg/L		0			0 - 0	

PEO-122-1
Pesticides 1

Program: WPCHEM

PEO-122-1

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
7025 Aldrin	2.09	µg/L	EPA 608	10103603	Check	2.95
7355 4,4'-DDD	0.671	µg/L	EPA 608	10103603	Acceptable	-1.45
7360 4,4'-DDE	1.37	µg/L	EPA 608	10103603	Acceptable	-0.569
7365 4,4'-DDT	3.62	µg/L	EPA 608	10103603	Acceptable	0.207
7470 Dieldrin	0.394	µg/L	EPA 608	10103603	Not acceptable	4.18
7685 Heptachlor	1.72	µg/L	EPA 608	10103603	Acceptable	-0.100
7690 Heptachlor epoxide	2.87	µg/L	EPA 608	10103603	Acceptable	-0.684

PEO-122-1

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
7025 Aldrin	µg/L	1.25	1.56	1.78	0.226	0.398 - 2.11	0.683 - 1.82
7355 4,4'-DDD	µg/L	0.908	0.85	0.809	0.228	0.415 - 1.40	0.579 - 1.24
7360 4,4'-DDE	µg/L	1.51	1.65	1.58	0.289	0.776 - 2.25	1.02 - 2.00
7365 4,4'-DDT	µg/L	3.50	3.87	3.67	0.571	1.77 - 5.24	2.35 - 4.66
7470 Dieldrin	µg/L	0.238	0.25	0.257	0.0360	0.126 - 0.350	0.163 - 0.312
7685 Heptachlor	µg/L	1.76	2.12	1.68	0.373	0.561 - 2.95	0.959 - 2.55
7690 Heptachlor epoxide	µg/L	3.23	3.40	3.16	0.554	1.65 - 4.81	2.17 - 4.28

PEO-122-2
Pesticides 2

Program: WPCHEM

PEO-122-2

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
▼ Summary for Method EPA 608				Overall method evaluation	Acceptable	
7105 delta-BHC*	41.4	µg/L	EPA 608	10103603	Acceptable	0.737
7110 alpha-BHC (alpha-Hexachlorocyclohexane)*	3.76	µg/L	EPA 608	10103603	Acceptable	-0.638
7115 beta-BHC (beta-Hexachlorocyclohexane)*	12.9	µg/L	EPA 608	10103603	Acceptable	0.0405
7120 gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)*	5.70	µg/L	EPA 608	10103603	Acceptable	-0.431
7240 alpha-Chlordane*	7.51	µg/L	EPA 608	10103603	Check	2.84
7245 gamma-Chlordane*	21.5	µg/L	EPA 608	10103603	Acceptable	0.000
7510 Endosulfan I*	6.72	µg/L	EPA 608	10103603	Acceptable	1.25
7515 Endosulfan II*	<0.01	µg/L	EPA 608	10103603	Acceptable	
7520 Endosulfan sulfate*	<0.01	µg/L	EPA 608	10103603	Acceptable	
7530 Endrin aldehyde*	3.77	µg/L	EPA 608	10103603	Acceptable	-0.524
7535 Endrin ketone*	0.791	µg/L	EPA 608	10103603	Acceptable	
7540 Endrin*	33.9	µg/L	EPA 608	10103603	Acceptable	0.0280
7810 Methoxychlor*	20.0	µg/L	EPA 608	10103603	Acceptable	0.728
▲ Summary for Method EPA 608	Analytes Evaluated 13		Acceptable 13		Acceptance Percentage 100.0%	

PEO-122-2

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
7105 delta-BHC*	µg/L	35.0	41.8	38.4	4.90	8.94 - 61.0	17.6 - 52.3
7110 alpha-BHC (alpha-Hexachlorocyclohexane)*	µg/L	4.27	4.85	4.48	0.924	1.87 - 6.67	2.67 - 5.87
7115 beta-BHC (beta-Hexachlorocyclohexane)*	µg/L	12.8	14.1	13.3	2.16	5.34 - 20.2	7.81 - 17.7
7120 gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)*	µg/L	6.26	7.04	6.47	1.25	2.36 - 10.1	3.66 - 8.85
7240 alpha-Chlordane*	µg/L	5.09	5.65	5.22	0.488	2.54 - 7.65	3.39 - 6.80
7245 gamma-Chlordane*	µg/L	21.5	24.7	21.4	1.27	9.91 - 33.0	13.8 - 29.2
7510 Endosulfan I*	µg/L	5.46	5.93	5.89	0.782	2.44 - 8.48	3.44 - 7.47
7515 Endosulfan II*	µg/L		0			0 - 0	
7520 Endosulfan sulfate*	µg/L		0			0 - 0	
7530 Endrin aldehyde*	µg/L	4.32	4.70	4.47	1.15	1.17 - 7.47	2.22 - 6.42
7535 Endrin ketone*	µg/L		<2.00	0.862	0.516	0 - 2.00	
7540 Endrin*	µg/L	33.7	36.1	32.9	3.92	12.3 - 55.1	19.4 - 48.0
7810 Methoxychlor*	µg/L	17.7	19.4	17.8	2.83	8.22 - 27.2	11.4 - 24.0

PEO-250
Acrolein/Acrylonitrile

Program: WPCHEM

PEO-250

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
4325 Acrolein (Propenal)*	<20.0	µg/L	EPA 624	10107207	Acceptable	
4340 Acrylonitrile*	22.0	µg/L	EPA 624	10107207	Acceptable	

PEO-250

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4325 Acrolein (Propenal)*	µg/L		17.2			0.00 - 24.1	
4340 Acrylonitrile*	µg/L		23.0			13.8 - 32.2	

Authorized for release by _____ Date 3/23/2005

Certifying Officer - QA/QC Manager

Questions / Comments?
Christopher Rucinski
phone: (307) 742-5452
email: reports@rt-corp.com

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Page

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Performance Evaluation Report
WSCHEM OS05-02-114

Commenced 2-Jun-2005 | Concluded 10-Jun-2005

RT Labcode RT1142

NVLAP® Labcode: 200393-0

This report may contain data that are not covered by the NVLAP accreditation.

Truesdail Laboratories, Inc.
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EMAIL

PEO-230
Tert-butyl Alcohol

Lot: 010495
Program: WSCHEM

PEO-230

Evaluation

Analyte	Result	Units	Method	Method ID	Evaluation	Z
4420 tert-Butyl alcohol*	23.2	µg/L	EPA 524.2	10086605	Acceptable	0.410

PEO-230

Study Summary

Analyte	Units	EPA Mean	Assigned Value	Study Mean	Study Std. Dev.	Acceptance Limits	Warning Limits
4420 tert-Butyl alcohol*	µg/L	22.0	22.0			13.2 - 30.8	

Authorized for release by _____ **Date** 6/13/2005
Certifying Officer - QA/QC Manager

Questions / Comments?
Christopher Rucinski
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Performance Evaluation Report
RTC Laboratory Proficiency Testing Program
Study Number WPCHEM 2004

2931 Soldier Springs Rd. - Laramie WY 82070 - (307) 742-5452

RT Labcode: RT1142 **EPA Labcode: CA00062**

Participating Laboratory:
Truesdail Laboratories, Inc.
Attention: Pat Iyer
14201 Franklin Ave.
Tustin, CA 92780
US

This data is sent at the request of the participating laboratory for Study WPCHEM. If you have any questions about your report, please contact Chris Rucinski at (307) 742-5452 or e-mail: reports@rt-corp.com.

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEI-026 Demand		**Program: WPCHEM**				
1530 - Biochemical oxygen demand (BOD)	EPA 405.1 *10075408*	96.3	mg/L	87.3	44.1 to 131	Acceptable
1555 - Carbonaceous BOD (CBOD)	EPA 405.1 *10075408*	93	mg/L	75.1	33.7 to 117	Acceptable
1565 - Chemical oxygen demand (COD)	EPA 410.4 *10077006*	160	mg/L	141	107 to 162	Acceptable
2040 - Total organic carbon (TOC)	EPA 415.2 *10078601*	61.5	mg/L	55.7	46.5 to 64.2	Acceptable
Analyte	**Method/ Method Code**	**Rep. Value**	**Units**	**Assigned Value**	**Acceptance Limit**	**Evaluation**
Sample: PEI-027-12 Minerals		**Program: WPCHEM**				
1610 - Conductivity	EPA 120.1 *10006209*	823	µmhos/cm	853	780 to 924	Acceptable
1755 - Hardness, total as CaCO₃	EPA 130.2 *10007008*	276	mg/L	278	254 to 303	Acceptable
1955 - Residue-filterable (TDS)	EPA 160.1 *10009004*	517	mg/L	572	434 to 692	Acceptable
1950 - Residue, total (TS)*	EPA 160.3 *10009800*	507	mg/L	631	380 to 832	Acceptable
1035 - Calcium	EPA 200.7 *10013408*	88.2	mg/L	81.4	72.9 to 92.1	Acceptable
1085 - Magnesium	EPA 200.7 *10013408*	2.59	mg/L	2.71	2.30 to 3.13	Acceptable
1125 - Potassium	EPA 200.7 *10013408*	15.8	mg/L	15.2	13.0 to 17.5	Acceptable
1155 - Sodium	EPA 200.7 *10013408*	42.7	mg/L	45.6	40.9 to 50.4	Acceptable
1575 - Chloride	EPA 300.0 *10053006*	194	mg/L	203	186 to 221	Acceptable
1730 - Fluoride	EPA 300.0 *10053006*	0.91	mg/L	1.01	0.858 to 1.16	Acceptable
2000 - Sulfate	EPA 300.0 *10053006*	19.5	mg/L	21.3	16.6 to 25.4	Acceptable
1505 - Alkalinity as CaCO₃	EPA 310.1 *10054601*	70.7	mg/L	71.4	64.2 to 78.5	Acceptable

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Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEI-027-3-2 pH (20 mL)		**Program: WPCHEM**				
1900 - pH	EPA 150.1 *10008205*	6.09	UNITS	6.15	5.95 to 6.35	Acceptable
Sample: PEI-028-1 Simple Nutrients		**Program: WPCHEM**				
1810 - Nitrate as N	EPA 300.0 *10053006*	20.4	mg/L	20.5	16.3 to 24.3	Acceptable
1515 - Ammonia as N	EPA 350.2 *10063806*	16.0	mg/L	16.4	12.7 to 19.9	Acceptable
1515 - Ammonia as N	EPA 350.3 *10064207*	16.5	mg/L	16.4	12.7 to 19.9	Acceptable
1870 - Orthophosphate as P	EPA 365.2 *10070209*	0.799	mg/L	0.825	0.689 to 0.966	Acceptable
Sample: PEI-028-2 Complex Nutrients		**Program: WPCHEM**				
1790 - Kjeldahl nitrogen (TKN)	EPA 351.3 *10065608*	21.1	mg/L	21.0	15.3 to 26.0	Acceptable
1910 - Phosphorus, total	EPA 365.3 *10070607*	7.62	mg/L	8.00	6.08 to 9.35	Acceptable
Sample: PEI-028-3 Nitrite		**Program: WPCHEM**				
1840 - Nitrite as N*	SM 4500 NO2 B *0*	1.62	mg/L	1.58	1.08 to 2.08	Acceptable
Sample: PEI-029 Oil and Grease		**Program: WPCHEM**				
1860 - Oil & Grease	EPA 1664 *10127409*	22.9	mg/L	24.9	15.2 to 29.9	Acceptable
Sample: PEI-030 Residue (concentrate)		**Program: WPCHEM**				
1955 - Residue-filterable (TDS)	EPA 160.1 *10009004*	427	mg/L	415	316 to 514	Acceptable
1960 - Residue-nonfilterable (TSS)	EPA 160.2 *10009402*	69	mg/L	72.1	55.5 to 77.7	Acceptable
1950 - Residue, total (TS)*	EPA 160.3 *10009800*	496	mg/L	487	409 to 556	Acceptable
Sample: PEI-031 Total Cyanide		**Program: WPCHEM**				
1645 - Total cyanide	EPA 335.2 *10060205*	0.604	mg/L	0.657	0.455 to 0.845	Acceptable
Sample: PEI-032 Total Phenolics		**Program: WPCHEM**				
1905 - Total phenolics	EPA 420.1 *10079206*	0.493	mg/L	0.405	0.217 to 0.593	Acceptable

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Performance Evaluation Report
RTC Laboratory Proficiency Testing Program
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2931 Soldier Springs Rd. • Laramie WY 82070 • (307) 742-5452

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEI-033 Total Residual Chlorine		**Program: WPCHEM**				
1940 - Total residual chlorine	EPA 330.1 *10057804*	0.7	mg/L	0.699	0.518 to 0.880	Acceptable
Sample: PEI-034-1 Trace Metals 1		**Program: WPCHEM**				
1000 - Aluminum	EPA 6010B *10155609*	883	µg/L	876	744 to 1000	Acceptable
1010 - Arsenic	EPA 6010B *10155609*	893	µg/L	885	745 to 1030	Acceptable
1020 - Beryllium	EPA 6010B *10155609*	528	µg/L	583	496 to 658	Acceptable
1030 - Cadmium	EPA 6010B *10155609*	365	µg/L	366	312 to 416	Acceptable
1040 - Chromium	EPA 6010B *10155609*	696	µg/L	685	597 to 774	Acceptable
1050 - Cobalt	EPA 6010B *10155609*	587	µg/L	569	500 to 638	Acceptable
1055 - Copper	EPA 6010B *10155609*	336	µg/L	331	299 to 365	Acceptable
1070 - Iron	EPA 6010B *10155609*	682	µg/L	672	592 to 762	Acceptable
1075 - Lead	EPA 6010B *10155609*	1993	µg/L	1930	1700 to 2150	Acceptable
1090 - Manganese	EPA 6010B *10155609*	992	µg/L	924	830 to 1030	Acceptable
1105 - Nickel	EPA 6010B *10155609*	932	µg/L	891	805 to 996	Acceptable
1140 - Selenium	EPA 6010B *10155609*	650	µg/L	684	542 to 792	Acceptable
1185 - Vanadium	EPA 6010B *10155609*	6407	µg/L	5990	5410 to 6580	Acceptable
1190 - Zinc	EPA 6010B *10155609*	908.5	µg/L	926	821 to 1040	Acceptable
1095 - Mercury	EPA 7470A *10165807*	11.82	µg/L	12.1	9.04 to 15.1	Acceptable
Sample: PEI-034-2 Trace Metals 2		**Program: WPCHEM**				
1005 - Antimony	EPA 6010B *10155609*	111.6	µg/L	131	81.7 to 162	Acceptable
1100 - Molybdenum	EPA 6010B *10155609*	228.5	µg/L	243	207 to 279	Acceptable
1150 - Silver	EPA 6010B *10155609*	94.7	µg/L	100	28.2 to 209	Acceptable
1160 - Strontium	EPA 6010B *10155609*	181.5	µg/L	190	162 to 218	Acceptable
1165 - Thallium	EPA 6010B *10155609*	489.8	µg/L	517	416 to 601	Acceptable
1180 - Titanium	EPA 6010B *10155609*	714.5	µg/L	735	635 to 824	Acceptable
Sample: PEI-034-3 Chromium VI		**Program: WPCHEM**				
1045 - Chromium VI*	EPA 7196A *10162400*	726	µg/L	727	592 to 836	Acceptable
1045 - Chromium VI*	EPA 7199 *10163005*	712	µg/L	727	592 to 836	Acceptable

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2931 Soldier Springs Rd. - Laramie WY 82070 - (307) 742-5452

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEI-034-5 Barium & Tin		**Program: WPCHEM**				
1015 - Barium*	EPA 6010B *10155609*	572	µg/L	654	561 to 745	Acceptable
1175 - Tin*	EPA 6010B *10155609*	1639	µg/L	1650	1300 to 2000	Acceptable
Sample: PEI-243 Silica		**Program: WPCHEM**				
1990 - Silica as SiO₂*	EPA 370.1 *10071804*	19.1	mg/L	18.2	14.6 to 21.8	Acceptable
Sample: PEI-244 Anionic Surfactant/TOC		**Program: WPCHEM**				
2040 - Total organic carbon (TOC)*	EPA 415.2 *0*	7.2	mg/L	6.50	5.20 to 7.80	Acceptable
2025 - Surfactants - MBAS*	EPA 425.1 *1008040*	2.67	mg/L	2.46	1.72 to 3.20	Acceptable
Sample: PEI-245 Boron (colorimetric method)		**Program: WPCHEM**				
1025 - Boron*	EPA 200.7 *10013408*	0.260	mg/L	0.275	0.220 to 0.330	Acceptable
Sample: PEI-246 Bromide		**Program: WPCHEM**				
1540 - Bromide*	EPA 300.0 *10053006*	417	µg/L	450	360 to 540	Acceptable
Sample: PEI-248 Acidity		**Program: WPCHEM**				
1500 - Acidity, as CaCO₃*	SM 18th ED 2310 B (4A)	126	mg/L	138	110 to 166	Acceptable
Sample: PEI-250 Turbidity		**Program: WPCHEM**				
2055 - Turbidity*	EPA 180.1 *10011402*	1.24	NTU	1.30	0.910 to 1.69	Acceptable
Sample: PEI-253 Settleable Solids and Volatile Residue		**Program: WPCHEM**				
1970 - Residue-volatile*	EPA 160.4 *10010205*	51.4	mg/L	85.0	0.000 to 150	Acceptable
1965 - Residue-settleable*	EPA 160.5 *10010603*	5.5	mL/L	5.25	3.68 to 6.83	Acceptable

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Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEI-254 Total Recoverable Petroleum Hydrocarbons (TRPH)		**Program: WPCHEM**				
1935 - Total recoverable petroleum hydrocarbons (TRPH)	EPA 1664 *0*	99.0	mg/L	140	81.0 to 183	Acceptable
Analyte	**Method/ Method Code**	**Rep. Value**	**Units**	**Assigned Value**	**Acceptance Limit**	**Evaluation**
Sample: PEI-257 Sulfide (including total and soluble)		**Program: WPCHEM**				
2005 - Sulfide*	EPA 376.2 *10074405*	8.47	mg/L	8.73	6.98 to 10.5	Acceptable
Analyte	**Method/ Method Code**	**Rep. Value**	**Units**	**Assigned Value**	**Acceptance Limit**	**Evaluation**
Sample: PEO-020-1 PCBs in Water (Sample 1)		**Program: WPCHEM**				
8880 - Aroclor-1016 (PCB-1016)	EPA 608	<0.1	µg/L	0	0 to 0	Acceptable
8885 - Aroclor-1221 (PCB-1221)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8890 - Aroclor-1232 (PCB-1232)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8900 - Aroclor-1248 (PCB-1248)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8905 - Aroclor-1254 (PCB-1254)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8910 - Aroclor-1260 (PCB-1260)	EPA 608 *10103603*	2.12	µg/L	1.65	0.647 to 2.23	Acceptable
Analyte	**Method/ Method Code**	**Rep. Value**	**Units**	**Assigned Value**	**Acceptance Limit**	**Evaluation**
Sample: PEO-020-2 PCBs in Water (Sample 2)		**Program: WPCHEM**				
8880 - Aroclor-1016 (PCB-1016)	EPA 608	<0.1	µg/L	0	0 to 0	Acceptable
8885 - Aroclor-1221 (PCB-1221)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8890 - Aroclor-1232 (PCB-1232)	EPA 608 *10103603*	2.77	µg/L	2.95	0.533 to 4.89	Acceptable
8900 - Aroclor-1248 (PCB-1248)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8905 - Aroclor-1254 (PCB-1254)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable
8910 - Aroclor-1260 (PCB-1260)	EPA 608 *10103603*	<0.1	µg/L	0	0 to 0	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-022 Acid Compounds		**Program: WPCHEM**				
5610 - Benzoic acid*	EPA 625 *10107401*	<25	µg/L	0	0.000 to 0.000	Acceptable
5700 - 4-Chloro-3-methylphenol*	EPA 625 *10107401*	16	µg/L	20.5	6.31 to 26.6	Acceptable
5800 - 2-Chlorophenol*	EPA 625 *10107401*	42.5	µg/L	45.3	14.8 to 58.0	Acceptable
6000 - 2,4-Dichlorophenol*	EPA 625 *10107401*	101	µg/L	112	40.4 to 135	Acceptable
6005 - 2,6-Dichlorophenol*	EPA 625 *10107401*	<10	µg/L	0	0.000 to 0.000	Acceptable
6130 - 2,4-Dimethylphenol*	EPA 625 *10107401*	34.3	µg/L	41.5	6.39 to 55.9	Acceptable
6175 - 2,4-Dinitrophenol*	EPA 625 *10107401*	88.8	µg/L	125	0.000 to 164	Acceptable
6360 - 2-Methyl-4,6-dinitrophenol*	EPA 625 *10107401*	127	µg/L	180	17.0 to 265	Acceptable
6400 - 2-Methylphenol (o-Cresol)*	EPA 625 *10107401*	<10	µg/L	0	0 to 0	Acceptable
6410 - 4-Methylphenol (p-Cresol)*	EPA 625 *10107401*	162	µg/L	137	22.4 to 228	Acceptable
6490 - 2-Nitrophenol*	EPA 625 *10107401*	101	µg/L	114	34.0 to 150	Acceptable
6500 - 4-Nitrophenol*	EPA 625 *10107401*	48.6	µg/L	59.1	0.000 to 85.6	Acceptable
6605 - Pentachlorophenol*	EPA 625 *10107401*	33.8	µg/L	47.2	8.70 to 65.2	Acceptable
6625 - Phenol*	EPA 625 *10107401*	65.1	µg/L	73.3	0.000 to 100	Acceptable
6835 - 2,4,5-Trichlorophenol*	EPA 625 *10107401*	107	µg/L	110	42.0 to 140	Acceptable
6840 - 2,4,6-Trichlorophenol*	EPA 625 *10107401*	143	µg/L	179	57.6 to 238	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-024-2 Chlordane (Total)		**Program: WPCHEM**				
7250 - Chlordane (tech.)	EPA 608 *10103603*	6.32	µg/L	6.96	3.04 to 9.91	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-072-1 PCBs in Transformer Oil (Sample 1)		**Program: WPCHEM**				
8880 - Aroclor-1016 (PCB-1016)	EPA 8082 *10179007*	30.8	mg/Kg	27.6	4.20 to 39.0	Acceptable
8885 - Aroclor-1221 (PCB-1221)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8890 - Aroclor-1232 (PCB-1232)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8900 - Aroclor-1248 (PCB-1248)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8905 - Aroclor-1254 (PCB-1254)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8910 - Aroclor-1260 (PCB-1260)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable

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Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-072-2 PCBs in Transformer Oil (Sample 2)		**Program: WPCHEM**				
8880 - Aroclor-1016 (PCB-1016)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8885 - Aroclor-1221 (PCB-1221)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8890 - Aroclor-1232 (PCB-1232)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8895 - Aroclor-1242 (PCB-1242)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8900 - Aroclor-1248 (PCB-1248)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8905 - Aroclor-1254 (PCB-1254)	EPA 8082 *10179007*	<0.1	mg/Kg	0	0 to 0	Acceptable
8910 - Aroclor-1260 (PCB-1260)	EPA 8082 *10179007*	24.8	mg/Kg	19.8	3.74 to 28.3	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-093 Toxaphene		**Program: WPCHEM**				
8250 - Toxaphene (Chlorinated camphene)*	EPA 608 *10103603*	9.82	µg/L	10.1	1.01 to 19.1	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-094 Herbicides		**Program: WPCHEM**				
6605 - Pentachlorophenol*	EPA 615 *10105609*	<0.2	µg/L	0	0 to 0	Acceptable
8505 - Acifluorfen*	EPA 615 *10105609*	<0.2	µg/L	0	0 to 0	Acceptable
8530 - Bentazon*	EPA 615 *10105609*	<0.2	µg/L	0	0 to 0	Acceptable
8545 - 2,4-D*	EPA 615 *10105609*	7.26	µg/L	8.53	0.000 to 12.8	Acceptable
8560 - 2,4-DB*	EPA 615 *10105609*	<0.2	µg/L	0	0 to 0	Acceptable
8595 - Dicamba*	EPA 615 *10105609*	8.81	µg/L	9.16	0.845 to 13.2	Acceptable
8600 - 3,5-Dichlorobenzoic acid*	EPA 615 *10105609*	<0.2	µg/L	0	0 to 0	Acceptable
8605 - Dichloroprop*	EPA 615 *10105609*	5.33	µg/L	6.76	1.16 to 10.9	Acceptable
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)*	EPA 615 *10105609*	2.27	µg/L	5.09	0.000 to 6.85	Acceptable
8645 - Picloram*	EPA 615 *10105609*	<0.2	µg/L	0	0 to 0	Acceptable
8650 - Silvex (2,4,5-TP)*	EPA 615 *10105609*	1.37	µg/L	1.84	0.000 to 2.94	Acceptable
8655 - 2,4,5-T	EPA 615 *10105609*	1.61	µg/L	2.15	0.000 to 3.49	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-120-1 Volatile Organic Compounds 1		**Program: WPCHEM**				
4375 - Benzene	EPA 601-602 *0*	27.3	µg/L	24.7	17.6 to 32.1	Acceptable
4610 - 1,2-Dichlorobenzene	EPA 601-602 *0*	17	µg/L	15.9	10.9 to 20.7	Acceptable
4615 - 1,3-Dichlorobenzene	EPA 601-602 *0*	18.9	µg/L	18.7	13.0 to 23.7	Acceptable
4620 - 1,4-Dichlorobenzene	EPA 601-602 *0*	24.6	µg/L	29.2	20.0 to 37.9	Acceptable
4765 - Ethylbenzene	EPA 601-602 *0*	8.4	µg/L	11.2	7.76 to 14.4	Acceptable
5000 - Methyl tert-butyl ether (MTBE)*	EPA 601-602 *0*	13	µg/L	12.9	7.74 to 18.1	Acceptable
5140 - Toluene	EPA 601-602 *0*	21	µg/L	17.3	12.1 to 22.1	Acceptable
5240 - m+p-Xylene*	EPA 601-602 *0*	5.36	µg/L	6.05	2.48 to 11.3	Acceptable
5250 - o-Xylene*	EPA 601-602 *0*	6.55	µg/L	8.84	4.10 to 15.0	Acceptable
5260 - Xylene, total*	EPA 601-602 *0*	11.9	µg/L	14.9	7.61 to 23.0	Acceptable
4375 - Benzene	EPA 624 *10107207*	23.2	µg/L	24.7	17.6 to 32.1	Acceptable
4610 - 1,2-Dichlorobenzene	EPA 624 *10107207*	13	µg/L	15.9	10.9 to 20.7	Acceptable
4615 - 1,3-Dichlorobenzene	EPA 624 *10107207*	17.4	µg/L	18.7	13.0 to 23.7	Acceptable
4620 - 1,4-Dichlorobenzene	EPA 624 *10107207*	21.3	µg/L	29.2	20.0 to 37.9	Acceptable
4765 - Ethylbenzene	EPA 624 *10107207*	11.7	µg/L	11.2	7.76 to 14.4	Acceptable
5000 - Methyl tert-butyl ether (MTBE)*	EPA 624 *10107207*	10.1	µg/L	12.9	7.74 to 18.1	Acceptable
5140 - Toluene	EPA 624 *10107207*	18.3	µg/L	17.3	12.1 to 22.1	Acceptable
5240 - m+p-Xylene*	EPA 624 *10107207*	6.5	µg/L	6.05	2.48 to 11.3	Acceptable
5250 - o-Xylene*	EPA 624 *10107207*	8.98	µg/L	8.84	4.10 to 15.0	Acceptable
5260 - Xylene, total*	EPA 624 *10107207*	15.5	µg/L	14.9	7.61 to 23.0	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-120-2 Volatile Organic Compounds 2	**Program: WPCHEM**					
4395 - Bromodichloromethane	EPA 601-602 *0*	7.45	µg/L	8.33	5.63 to 11.1	Acceptable
4400 - Bromoform	EPA 601-602 *0*	44.7	µg/L	54.4	35.5 to 74.5	Acceptable
4455 - Carbon tetrachloride	EPA 601-602 *0*	36.1	µg/L	30.0	18.7 to 42.4	Acceptable
4475 - Chlorobenzene	EPA 601-602 *0*	17.5	µg/L	19.3	14.1 to 24.4	Acceptable
4505 - Chloroform	EPA 601-602 *0*	58.8	µg/L	50.3	34.9 to 64.5	Acceptable
4575 - Dibromochloromethane	EPA 601-602 *0*	51.3	µg/L	53.8	35.6 to 71.5	Acceptable
4635 - 1,2-Dichloroethane	EPA 601-602 *0*	53.6	µg/L	57.3	39.6 to 76.2	Acceptable
4975 - Methylene chloride (Dichloromethane)	EPA 601-602 *0*	25.9	µg/L	24.8	15.7 to 34.7	Acceptable
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 601-602 *0*	12.1	µg/L	11.7	7.67 to 15.5	Acceptable
5160 - 1,1,1-Trichloroethane	EPA 601-602 *0*	89.8	µg/L	73.2	47.1 to 96.7	Acceptable
5170 - Trichloroethene (Trichloroethylene)	EPA 601-602 *0*	63.9	µg/L	50.9	33.0 to 65.8	Acceptable
4395 - Bromodichloromethane	EPA 624 *10107207*	9.48	µg/L	8.33	5.63 to 11.1	Acceptable
4400 - Bromoform	EPA 624 *10107207*	47.1	µg/L	54.4	35.5 to 74.5	Acceptable
4455 - Carbon tetrachloride	EPA 624 *10107207*	34.4	µg/L	30.0	18.7 to 42.4	Acceptable
4475 - Chlorobenzene	EPA 624 *10107207*	21.4	µg/L	19.3	14.1 to 24.4	Acceptable
4505 - Chloroform	EPA 624 *10107207*	51.7	µg/L	50.3	34.9 to 64.5	Acceptable
4575 - Dibromochloromethane	EPA 624 *10107207*	57.9	µg/L	53.8	35.6 to 71.5	Acceptable
4635 - 1,2-Dichloroethane	EPA 624 *10107207*	54.1	µg/L	57.3	39.6 to 76.2	Acceptable
4975 - Methylene chloride (Dichloromethane)	EPA 624 *10107207*	21.7	µg/L	24.8	15.7 to 34.7	Acceptable
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 624 *10107207*	12.9	µg/L	11.7	7.67 to 15.5	Acceptable
5160 - 1,1,1-Trichloroethane	EPA 624 *10107207*	75.7	µg/L	73.2	47.1 to 96.7	Acceptable
5170 - Trichloroethene (Trichloroethylene)	EPA 624 *10107207*	62.3	µg/L	50.9	33.0 to 65.8	Acceptable

Analyte	Method/ Method Code	Rep. Value	Units	Assigned Value	Acceptance Limit	Evaluation
Sample: PEO-120-3 Volatile Organic Compounds 3	**Program: WPCHEM**					
4315 - Acetone*	EPA 601-602 *0*	44.4	µg/L	53.4	0.000 to 174	Acceptable
4410 - 2-Butanone (Methyl ethyl ketone, MEK)*	EPA 601-602 *0*	32.2	µg/L	32.4	5.30 to 67.7	Acceptable
4485 - Chloroethane*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4500 - 2-Chloroethyl vinyl ether*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)*	EPA 601-602 *0*	29.6	µg/L	47.3	26.1 to 55.5	Acceptable
4625 - Dichlorodifluoromethane*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4630 - 1,1-Dichloroethane*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4640 - 1,1-Dichloroethylene*	EPA 601-602 *0*	64.9	µg/L	63.4	34.6 to 97.0	Acceptable
4645 - cis-1,2-Dichloroethylene*	EPA 601-602 *0*	69.9	µg/L	55.7	32.7 to 81.9	Acceptable
4655 - 1,2-Dichloropropane*	EPA 601-602 *0*	74.7	µg/L	70.1	47.6 to 89.0	Acceptable
4680 - cis-1,3-Dichloropropene*	EPA 601-602 *0*	74.9	µg/L	69.1	44.4 to 87.6	Acceptable
4685 - trans-1,3-Dichloropropylene*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4700 - trans-1,2-Dichloroethylene*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4860 - 2-Hexanone*	EPA 601-602 *0*	<5	µg/L	0	0 to 0	Acceptable
4950 - Methyl bromide (Bromomethane)*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4960 - Methyl chloride (Chloromethane)*	EPA 601-602 *0*	59.2	µg/L	41.2	12.2 to 71.2	Acceptable
4995 - 4-Methyl-2-pentanone (MIBK)*	EPA 601-602 *0*	42.9	µg/L	51.1	22.0 to 72.2	Acceptable
5100 - Styrene*	EPA 601-602 *0*	61.1	µg/L	58.3	37.9 to 73.7	Acceptable
5110 - 1,1,2,2-Tetrachloroethane*	EPA 601-602 *0*	26.6	µg/L	33.2	19.0 to 46.6	Acceptable
5165 - 1,1,2-Trichloroethane*	EPA 601-602 *0*	56.7	µg/L	63.0	43.1 to 81.8	Acceptable
5175 - Trichlorofluoromethane*	EPA 601-602 *0*	81.8	µg/L	68.3	14.3 to 119	Acceptable
5235 - Vinyl chloride*	EPA 601-602 *0*	<0.5	µg/L	0	0 to 0	Acceptable
4315 - Acetone*	EPA 624 *10107207*	35.7	µg/L	53.4	0.000 to 174	Acceptable
4410 - 2-Butanone (Methyl ethyl ketone, MEK)*	EPA 624 *10107207*	22.5	µg/L	32.4	5.30 to 67.7	Acceptable
4450 - Carbon disulfide*	EPA 624 *10107207*	<2	µg/L	0	0 to 0	Acceptable
4485 - Chloroethane*	EPA 624 *10107207*	<2	µg/L	0	0 to 0	Acceptable
4500 - 2-Chloroethyl vinyl ether*	EPA 624 *10107207*	<2	µg/L	0	0 to 0	Acceptable
4630 - 1,1-Dichloroethane*	EPA 624 *10107207*	<2	µg/L	0	0 to 0	Acceptable
4640 - 1,1-Dichloroethylene*	EPA 624 *10107207*	58.9	µg/L	63.4	34.6 to 97.0	Acceptable
4645 - cis-1,2-Dichloroethylene*	EPA 624 *10107207*	69.6	µg/L	55.7	32.7 to 81.9	Acceptable
4655 - 1,2-Dichloropropane*	EPA 624 *10107207*	70.9	µg/L	70.1	47.6 to 89.0	Acceptable