SPRING 2005 POST-CHARACTERIZATION GROUNDWATER EVENT TECHNICAL MEMORANDUM RP - PORTLAND SITE

December 21, 2005

Submitted to:

Oregon Department of Environmental Quality
Northwest Region
2020 S.W. 4th Avenue, Suite 400
Portland, Oregon 97201

Prepared for:

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0-61M-107030/Task 43

December 21, 2005

0-61M-107030/Phase 43

Tom Roick
Oregon Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201-4987

Dear Mr. Tom Roick:

Re: Spring 2005 Post-Characterization Groundwater Event Technical Memorandum RP - Portland Site

On behalf of SLLI, AMEC Earth & Environmental, Inc. is submitting to the Oregon Department of Environmental Quality (DEQ) the enclosed Spring 2005 Post-Characterization Groundwater Event Technical Memorandum (Spring 2005 TM) for the Spring 2005 groundwater monitoring and sampling activities conducted at the Rhône-Poulenc Site.

Field activities were completed in general accordance with the DEQ-approved Final Post-Characterization Groundwater Monitoring Plan (PCGMP) dated February 17, 2004. The final list of groundwater monitoring wells and laboratory analyses proposed were approved by DEQ in a letter dated March 17, 2004; additional scope was added in a letter to DEQ dated April 7, 2004. Although there were some minor variations as described in this Spring 2005 TM, none of these variations adversely affects the overall quality of the Spring 2005 groundwater monitoring and sampling data.

Included in the Spring 2005 TM are tables comprising a comparison of planned versus actual sampling activities, groundwater and surface water elevation data, groundwater physical parameters (field measurements), and analytical results. Copies of the completed groundwater sampling field forms, a table of final validated analytical results, and data validation reports are included as appendices.

Two hard copies and one compact disk (CD) in Portable Document Format (PDF) of the Spring 2005 TM is enclosed per DEQ's request. In addition, a Microsoft Excel version of the analytical data table (Appendix E, Table E-1) is provided on the enclosed CD. The PDF files can be accessed using Adobe® Acrobat® or Reader® software. Please contact us if you have any trouble accessing or navigating between the electronic files.

Please contact Roger Gresh at (503) 639-3400 if you have any questions regarding this report.

Sincerely,

AMEC Earth & Environmental, Inc.

Roger Gresh, P.G.
Project Manager

Joe Fassio, R.G.
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JF/lp

Encl.: Spring 2005 Post-Characterization Groundwater Event Technical Memorandum

c: S. Dearden, Sanofi-Aventis
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Appendix D Spring 2005 Post-Characterization Groundwater Monitoring Event 90-Day Investigation-Derived Waste Log

Appendix E Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

1.0 INTRODUCTION

On behalf of SLLI, AMEC Earth & Environmental, Inc. (AMEC) is submitting to the Oregon Department of Environmental Quality (DEQ) this Spring 2005 Post-Characterization Groundwater Event Technical Memorandum (Spring 2005 TM) for the Spring 2005 groundwater monitoring and sampling activities conducted at the Rhône-Poulenc (RP) Portland Site. The Spring 2005 Post-Characterization groundwater monitoring and sampling event was completed between April 11 and May 6, 2005. The groundwater monitoring and sampling event was conducted in accordance with the Final Post-Characterization Groundwater Monitoring Plan (PCGMP) (AMEC, 2004a) dated February 17, 2004. The PCGMP, which included as an appendix the Final Post-Characterization Groundwater Monitoring Field Sampling Plan (Post-Characterization FSP), was approved by the DEQ in a letter dated March 17, 2004. The RP property is located at 6200 NW St. Helens Road in Portland, Oregon.

The list of monitoring wells to be sampled during the Spring 2005 groundwater sampling event was provided to DEQ in the Post-Characterization FSP. Additional analyses for this sampling event were also proposed in a letter to DEQ dated April 7, 2004 (AMEC, 2004b); DEQ approved the additional analyses on April 8, 2004. The scope of work included groundwater sample collection at 33 monitoring wells and water level measurements at 122 monitoring wells and 3 staff gauges.

The following groundwater monitoring activities were completed in April 2005:

- Water level measurements - April 11 and 12, 2005
- Groundwater sampling - April 13 through May 6, 2005

2.0 WATER LEVEL MONITORING PROGRAM

Groundwater and surface water level measurements were collected according to the Post-Characterization FSP. Water level, total depth, and nonaqueous phase liquid (NAPL) thickness measurements were collected from 122 monitoring wells and 3 staff gauges, as specified in the Post-Characterization FSP. The sampling and measurement locations are presented on Figure 1. Depth to water measurements were collected in general accordance with the procedures described in Standard Operating Procedure 1 (SOP - 1), Methodology for Water Level Determination, included in Appendix A-1 of the Post-Characterization FSP. Variations from the Post-Characterization FSP regarding water level measurements are discussed in Section 5.1 of this Spring 2005 TM.

3.0 GROUNDWATER SAMPLING PROGRAM

Groundwater sampling was conducted from April 13 through May 6, 2005. Groundwater sampling was performed in general accordance with the procedures specified in the Post-Characterization FSP. Groundwater samples were collected and submitted for analytical testing from 33 monitoring wells during the Spring 2005 groundwater sampling event, as specified in the Post-Characterization FSP. Information regarding sampling locations, procedures, handling, and Quality Assurance/Quality Control (QA/QC) requirements is provided in the following sections. Variations from the Post-Characterization FSP regarding groundwater sampling are discussed in Section 5.2 of this Spring 2005 TM. None of the variations adversely affect the overall quality of the Spring 2005 analytical data.

3.1 Sampling Locations and Procedures

Groundwater samples were collected from 33 monitoring wells located on or in the vicinity of the RP property. Table 1 summarizes the monitoring wells sampled and the analyses requested from the laboratory during the Spring 2005 groundwater monitoring event.

Groundwater sampling and sample handling activities were generally conducted in accordance with the procedures described within the Post-Characterization FSP, including SOP - 2 (Methodology for Groundwater Sampling), SOP - 3 (Decontamination Procedure), and SOP - 4 (Field Measurement of Groundwater Parameters).

All groundwater sampling procedures, field data, and observations were recorded on loose-leaf project-specific groundwater sampling field forms and/or a bound field logbook, in general accordance with the Post-Characterization FSP (see Appendix A).

The primary laboratories utilized consisted of the following:

Primary Laboratories Utilized

Laboratory	Analysis Type
Severn Trent Laboratories (STL)	Dioxins/Furans
Food Quality Labs	Total Heterotrophic Plate Count, Diesel-Degrading Bacteria
North Creek Analytical (NCA)	VOCs, Phenols, Pesticides, Herbicides, Metals, Polynuclear aromatic hydrocarbons (PAHs), Semi-volatile organic compounds (SVOCs), Total Petroleum Hydrocarbons (TPH), Natural Attenuation Parameters

Eno River Labs (ERL), formerly known as Triangle Laboratories, Inc. was used for analysis of specific QC samples. Performance evaluation samples were provided by R.T. Corporation (RTC) of Laramie, Wyoming (see Section 3.2).

3.2 QA/QC Requirements

QC samples were collected in general accordance with the Post-Characterization FSP. QA review of these data is provided in the data validation reports that have been included as Appendices B and C.

- Rinsate samples were collected after groundwater sampling and equipment decontamination at monitoring wells W-18-I, RP-06-87, and RP-04-41.
- Blind field duplicates were collected at five monitoring wells, including MW-10-24, RP-03-52R, AL6-96, AL2-46, and W-09-116.
- Interlaboratory split samples were collected at five monitoring wells, including MW-10-24, RP-03-52R, AL6-96, AL2-46, and W-09-116 and were submitted to STL and ERL.
- One performance evaluation sample (comprised of sample bottles prepared by a third-party laboratory [RTC] with known concentrations of selected site constituents) was submitted to NCA and STL for analysis.
- One trip blank accompanied each cooler containing bottles/samples that were to be analyzed for VOCs (United States Environmental Protection Agency [EPA] Method 8260B). Throughout the sampling event a total of 12 trip blanks accompanied samples that were submitted to the laboratory.
- Additional sample quantity used by the laboratory for matrix spike/matrix spike duplicates (MS/MSDs) was collected from five monitoring wells, including AL2-46, AL6-96, MW-10-24, RP-03-52R, and W-09-116.

4.0 TREATMENT AND DISPOSAL OF INVESTIGATION-DERIVED WASTE

Investigation derived waste (IDW) was handled in accordance with procedures described in the Post-Characterization FSP. Approximately 128 gallons of purge water and decontamination fluid were generated and pumped into the on-site treatment system during the Spring 2005 groundwater characterization event. A total of five drums were used to contain the solid waste. The 90-Day IDW Log forms for this sampling event are included in Appendix D.

5.0 VARIATIONS FROM THE FIELD SAMPLING PLAN

Although groundwater sampling was generally conducted according to the Post-Characterization FSP, field conditions prompted some minor variations from the planned activities. Variations from the planned activities are discussed in the sections below and are summarized on Table 1 of this Spring 2005 TM. None of these variations from the Post-Characterization 2005 FSP adversely affected the overall quality of the Spring 2005 groundwater monitoring event.

5.1 Water Level Monitoring

One variation from the Post-Characterization FSP is discussed below:

- A water level was not collected from monitoring well KM-MW-5 because the well was covered by a large puddle of water.

5.2 Groundwater Sampling

Three minor variations from the Post-Characterization FSP are listed below:

- Due to a power failure in the contract laboratory refrigerator, some monitoring wells were re-sampled on April 20 and 21, 2005. The wells and analyses were as follows:
  - RP-02-66, W-19-D, W-19-I, RP-07-119, RP-07-84, MW-03-81, and MW-03-I for herbicides by EPA Method 8151;
  - RP-07-30, RP-07-55, RP-07-84 and RP-07-119 for polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270-SIM; and
  - W-18-D and W-18-I for NW-TPH-Dx.
- Due to the same power failure, laboratory performance evaluation samples were not analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270.

- Monitoring wells AL2-46 and W-09-116 were re-sampled on May 6, 2005 due to poor QC results for the split samples analyzed for phenols and SVOCs, respectively.

5.3 Field QA/QC Requirements

Field QA/QC samples were collected as specified in the Post-Characterization FSP. No variations from the Post-Characterization FSP were noted for quantity and type of field QA/QC samples collected.

6.0 DATA QUALITY EVALUATION

AMEC performed a data quality evaluation of the analytical results from the Spring 2005 Post-Characterization groundwater samples. The results of the evaluation are presented in the Data Validation Reports for the Spring 2005 groundwater monitoring event, included with this Spring 2005 TM as Appendices B and C.

The purpose of the data quality evaluation was to identify and explain data usability issues discovered during verification and validation of the analytical results, and to identify corrective actions necessary to improve data quality for future sampling events. The data evaluation was based on findings of the data verification and validation process, and any communications with the analytical laboratories about those findings. Verification and validation were performed on 100% of the laboratory data for Spring 2005 groundwater monitoring event. The purpose of the data verification was to make certain that the data quality indicators and analytical detection limits met project requirements and to verify the data were transferred accurately from the laboratory to the project database. Full validation according to EPA National Functional Guidelines for Data Review, modified for SW-846 method requirements, performed on laboratory analytical results for Spring 2005 groundwater samples, exceeded requirements agreed upon in correspondence between AMEC and DEQ dated January 16, February 9, and March 23, 2001.

Based on the validation reports, the laboratory performance and overall data quality appear to be acceptable for the Spring 2005 groundwater analytical data. All of the dioxin data generated during the Spring 2005 groundwater monitoring event were found to be usable (Appendix B). Approximately 0.17% of the analytical data, other than dioxin data, were qualified as unusable data as a result of the verification process (Appendix C).

7.0 RESULTS

The results of the water level monitoring and groundwater sample analysis are summarized in the tables and figures of this Spring 2005 TM as follows:

- Water level measurements, including NAPL thickness and groundwater elevations, are provided on Table 2;
- Groundwater field measurements are summarized on Table 3;
- Groundwater analytical results (detections only) from the Spring 2005 groundwater sampling event are summarized in Table 4; and
- A complete tabulation of final validated groundwater analytical results for the Spring 2005 groundwater sampling event is provided as Appendix E.

The results of the Spring 2005 Post-Characterization groundwater monitoring event will be incorporated, as appropriate, into the Remedial Investigation Report for the RP Site. These results will also be used, as appropriate, to address the data quality objectives specified in the Post-Characterization FSP.

REFERENCES

AMEC, 2004a. *Final Post-Characterization Groundwater Monitoring Plan*, *RP - Portland Site,* prepared by AMEC Earth & Environmental, Inc. submitted to Oregon Department of Environmental Quality, February 17, 2004.

AMEC, 2004b. Letter submitted to Oregon Department of Environmental Protection Agency, *Additional Analyses for Spring 2004 GW Sampling Event Post-Characterization GW Sampling Plan*, prepared by AMEC Earth & Environmental, Inc., April 7, 2004.

DEQ, 2004. Letter received from Oregon Department of Environmental Protection Agency, March 17, 2004.

LIMITATIONS

This report was prepared exclusively for SLLI by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on:
i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Spring 2005 Post-Characterization Groundwater Technical Memorandum is intended to be used by SLLI for the RP - Portland Site, 6200 N.W. St. Helens Road, Portland, Oregon only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Planned Versus Actual Sampling and Analysis
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Location		Measurement and Sampling Requirements											
Monitoring Well	Property Owner	Water Level Measurement	NAPL Measurement if Present	VOCs by EPA 8260B	Phenols by EPA 8270C	Herbicides by EPA 8151A	Dioxins/Furans by EPA 8290	Metals by EPA 6010/6020 and 7470A	Pesticides by EPA 8081A	PAHs by 8270C-SIM	SVOCs by 8270C (including phenols and PAHs)	Natural Attenuation	Explanation for Variations From Plan
AL2-17	SLLI	X	X										As planned
AL2-32	SLLI	X	X	X	X	X	X	X				X	As planned
AL2-46	SLLI	X	X	X	X	X	X					X	Re-sampled on May 6, 2005 due to poor QC results for split sample analyzed for phenols.
AL4-47	SLLI	X	X										As planned
AL5-19	SLLI	X	X										As planned
AL5-35	SLLI	X	X										As planned
AL5-62	SLLI	X	X										As planned
AL6-96	SLLI	X	X	X		X	X					X	As planned
ASW-01A	Metro	X	X										As planned
ASW-04	Metro	X	X										As planned
ASW-05	Metro	X	X										As planned
ASW-06	Metro	X	X										As planned
ASW-08	Metro	X	X										As planned
BST2W-61	SLLI	X	X	X	X	X						X	As planned
BST5W-74	SLLI	X	X										As planned
BTB-4A-84	SLLI	X	X										As planned
BTB-4B-25	SLLI	X	X										As planned
BTB-4B-55	SLLI	X	X										As planned
KM-MW-2	Kinder Morgan	X	X										As planned
KM-MW-5	Kinder Morgan												Well under a large puddle of water
MW-01-26	SLLI	X	X										As planned
MW-01-41	SLLI	X	X										As planned
MW-01-56	SLLI	X	X										As planned
MW-01-76	SLLI	X	X										As planned
MW-02-26	SLLI	X	X										As planned
MW-02-46	SLLI	X	X										As planned
MW-02-62	SLLI	X	X										As planned
MW-03-27	SLLI	X	X										As planned
MW-03-49	SLLI	X	X										As planned
MW-03-68	SLLI	X	X										As planned
MW-03-81	Siltronic	X	X	X		X		X				X	Due to temperature failure in lab refrigerator, well was re-sampled for herbicides (EPA 8151)
MW-03-I	Siltronic	X	X	X		X		X				X	Due to temperature failure in lab refrigerator, well was re-sampled for herbicides (EPA 8151)

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MW-03-S	Siltronic	X	X										As planned
MW-04-27	SLLI	X	X										As planned
MW-04-47	SLLI	X	X										As planned
MW-04-63	SLLI	X	X										As planned
MW-05-24	SLLI	X	X	X	X	X						X	As planned
MW-05-34	SLLI	X	X	X	X	X						X	As planned
MW-05-52	SLLI	X	X	X	X	X	X					X	As planned
MW-05-70	SLLI	X	X	X		X	X					X	As planned
MW-06-S	Siltronic	X	X										As planned
MW-07-S	Siltronic	X	X										As planned
MW-08-27	SLLI	X	X										As planned
MW-08-46	SLLI	X	X										As planned
MW-08-64	SLLI	X	X										As planned
MW-09-23	SLLI	X	X										As planned
MW-09-42	SLLI	X	X										As planned
MW-09-58	SLLI	X	X										As planned
MW-09-80	SLLI	X	X										As planned
MW-10-24	SLLI	X	X					X	X			X	As planned
MW-10-44	SLLI	X	X										As planned
MW-10-57	SLLI	X	X										As planned
MW-11-24	SLLI	X	X										As planned
MW-11-37	SLLI	X	X										As planned
MW-11-56	SLLI	X	X										As planned
MW-11-79	SLLI	X	X										As planned
MW-12-27	SLLI	X	X										As planned
MW-12-41	SLLI	X	X										As planned
MW-12-59	SLLI	X	X										As planned
MW-12-79	SLLI	X	X										As planned
P-07	SLLI	X	X										As planned
P-10	SLLI	X	X										As planned
P-11	SLLI	X	X										As planned
PP-08	SLLI	X	X										As planned
PZ-02-40	Portland	X	X										As planned
PZ-1-11	SLLI	X	X										As planned
RP-01-31	BNSF	X	X	X		X						X	As planned
RP-01-51	BNSF	X	X	X		X	X					X	As planned
RP-01-65	BNSF	X	X	X		X	X					X	As planned

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RP-02-31	Arkema	X	X										As planned
RP-02-49	Arkema	X	X										As planned
RP-02-66	Arkema	X	X	X		X	X	X				X	Due to temperature failure in lab refrigerator, well was re-sampled for herbicides (EPA 8151)
RP-03-30R	BNSF	X	X	X			X			X			As planned
RP-03-52R	BNSF	X	X	X		X	X			X			As planned
RP-04-16	SLLI	X	X	X		X	X	X	X		X	X	As planned
RP-04-41	SLLI	X	X	X		X	X	X	X		X	X	As planned
RP-05-16	SLLI	X	X										As planned
RP-06-30	BNSF	X	X										As planned
RP-06-87	BNSF	X	X	X		X		X				X	As planned
RP-07-30	Siltronic	X	X							X			Due to temperature failure in lab refrigerator, well was re-sampled for PAHs (EPA 8270-SIM).
RP-07-55	Siltronic	X	X							X			Due to temperature failure in lab refrigerator, well was re-sampled for PAHs (EPA 8270-SIM).
RP-07-84	Siltronic	X	X	X		X	X	X		X		X	Due to temperature failure in lab refrigerator, well was re-sampled for PAHs (EPA 8270-SIM) and herbicides (EPA 8151).
RP-07-119	Siltronic	X	X	X		X	X	X		X		X	Due to temperature failure in lab refrigerator, well was re-sampled for PAHs (EPA 8270-SIM) and herbicides (EPA 8151).
RPW-02	SLLI	X	X										As planned
RPW-03	SLLI	X	X										As planned
RPW-05	SLLI	X	X										As planned
W-03-D	Gould	X	X										As planned
W-03-I	Gould	X	X										As planned
W-03-S	Gould	X	X										As planned
W-04-89	Gould	X	X										As planned
W-04-I	Gould	X	X										As planned
W-04-S	Gould	X	X										As planned
W-06-B	SLLI	X	X										As planned
W-06-D	SLLI	X	X										As planned
W-06-S	SLLI	X	X										As planned
W-08	SLLI	X	X										As planned

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Monitoring Well	Property Owner	Water Level Measurement	NAPL Measurement if Present	VOCs by EPA 8260B	Phenols by EPA 8270C	Herbicides by EPA 8151A	Dioxins/Furans by EPA 8290	Metals by EPA 6010/6020 and 7470A	Pesticides by EPA 8081A	PAHs by 8270C-SIM	SVOCs by 8270C (including phenols and PAHs)	Natural Attenuation	Explanation for Variations From Plan
W-08-26	SLLI	X	X										As planned
W-08-74	SLLI	X	X										As planned
W-09	SLLI	X	X										As planned
W-09-116	SLLI	X	X	X		X	X	X	X		X	X	Re-sampled on May 6, 2005 due to poor QC results for split sample analyzed for SVOCs and dissolved metals.
W-09-86	SLLI	X	X										As planned
W-10	Portland	X	X										As planned
W-11-B	Esco	X	X	X		X	X					X	As planned
W-11-D	Esco	X	X	X		X	X					X	As planned
W-11-I	Esco	X	X	X		X						X	As planned
W-11-S	Esco	X	X	X		X						X	As planned
W-12-D	Esco	X	X										As planned
W-12-I	Esco	X	X										As planned
W-12-S	Esco	X	X										As planned
W-15-D	Metro	X	X										As planned
W-15-I	Metro	X	X										As planned
W-15-S	Metro	X	X										As planned
W-16-31	Schnitzer	X	X										As planned
W-16-D	Schnitzer	X	X										As planned
W-16-I	Schnitzer	X	X										As planned
W-16-S	Schnitzer	X	X										As planned
W-18-D	PGE	X	X					X				X	Due to temperature failure in lab refrigerator, well was re-sampled for NW-TPH-Dx.
W-18-I	PGE	X	X					X				X	Due to temperature failure in lab refrigerator, well was re-sampled for NW-TPH-Dx.
W-18-S	PGE	X	X										As planned
W-19-D	Arkema	X	X	X		X						X	Due to temperature failure in lab refrigerator, well was re-sampled for herbicides (EPA 8151)
W-19-I	Arkema	X	X	X		X						X	Due to temperature failure in lab refrigerator, well was re-sampled for herbicides (EPA 8151)
W-19-S	Arkema	X	X										As planned
SG-NDL	BNSF	X											As planned
SG-NDP	Siltronic	X											As planned
SG-WDL	BNSF	X											As planned

DQO — **Data Quality Objectives**
N — Changes in groundwater chemistry, natural attenuation.
M — Potential migration of constituents off-site or to receptors.
FS — Possible data requirements for feasibility study.

Notes:
NAPL — Non-aqueous-phase liquid
PAHs — Polynuclear aromatic hydrocarbons
VOCs — Volatile organic compounds
EPA — United States Environmental Protection Agency
SVOCs — Semivolatile organic compounds
QC — Quality control
N/A — Not applicable
BNSF — Burlington Northern Santa Fe
Variation from Post-Characterization Groundwater Sampling Plan

TABLE 2
Groundwater Elevation and NAPL Thickness Measurements
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Site ID	Type	Location/ Property	Depth to Water (Feet BMP)	Date	Time	Measuring Point Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)	LNAPL Thickness (Feet)	DNAPL Thickness (Feet)
AL2-17	Well	RP - Lake Area	11.47	04/12/2005	10:58	41.77	30.30	None	None
AL2-32	Well	RP - Lake Area	14.86	04/12/2005	11:08	41.41	26.55	None	None
AL2-46	Well	RP - Lake Area	15.08	04/12/2005	11:01	41.77	26.69	None	None
AL4-47	Well	RP - Lake Area	13.79	04/11/2005	11:25	40.24	26.45	None	None
AL5-19	Well	RP - Lake Area	13.76	04/12/2005	13:20	40.07	26.31	None	None
AL5-35	Well	RP - Lake Area	13.75	04/12/2005	13:23	39.54	25.79	None	None
AL5-62	Well	RP - Lake Area	13.84	04/12/2005	13:27	39.59	25.75	None	None
AL6-96	Well	RP - Lake Area	16.82	04/11/2005	16:44	38.72	21.90	None	None
ASW-01A	Well	Metro	6.37	04/11/2005	11:06	38.81	32.44	None	None
ASW-04	Well	Metro	7.55	04/11/2005	10:38	40.76	33.21	None	None
ASW-05	Well	Metro	8.58	04/11/2005	10:46	*	NA	None	None
ASW-06	Well	Metro	7.40	04/11/2005	09:30	40.10	32.70	None	None
ASW-08	Well	Metro	6.88	04/11/2005	11:15	36.72	29.84	None	None
BST2W-61	Well	RP - Lake Area	14.62	04/12/2005	11:05	41.13	26.51	None	None
BST5W-74	Well	RP - Lake Area	14.52	04/12/2005	13:14	39.84	25.32	None	None
BTB-4A-84	Well	RP - Lake Area	16.41	04/11/2005	16:28	39.50	23.09	None	None
BTB-4B-25	Well	RP - Lake Area	11.31	04/11/2005	16:20	39.54	28.23	None	None
BTB-4B-55	Well	RP - Lake Area	16.71	04/11/2005	16:24	39.81	23.10	None	None
KM-MW-2	Well	Kinder Morgan	25.32	04/11/2005	09:48	50.68	25.36	None	None
KM-MW-5	Well	Kinder Morgan	NA[1]	04/11/2005	NA	50.78	NA	None	None
MW-01-26	Well	RP - Herbicide Area	10.79	04/11/2005	13:09	49.89	39.10	None	None
MW-01-41	Well	RP - Herbicide Area	13.89	04/11/2005	13:04	49.53	35.64	None	None
MW-01-56	Well	RP - Herbicide Area	14.17	04/11/2005	13:00	49.70	35.53	None	None
MW-01-76	Well	RP - Herbicide Area	12.20	04/11/2005	13:11	47.70	35.50	None	None
MW-02-26	Well	RP - Herbicide Area	12.90	04/12/2005	13:59	48.09	35.19	None	None
MW-02-46	Well	RP - Herbicide Area	12.71	04/12/2005	14:01	47.91	35.20	None	None
MW-02-62	Well	RP - Herbicide Area	12.15	04/12/2005	14:05	48.00	35.85	None	None
MW-03-27	Well	RP - Herbicide Area	13.69	04/11/2005	14:48	48.29	34.60	None	None
MW-03-49	Well	RP - Herbicide Area	13.57	04/11/2005	14:49	48.28	34.71	None	None
MW-03-68	Well	RP - Herbicide Area	13.48	04/11/2005	14:52	48.25	34.77	None	None
MW-03-81	Well	Siltronic	14.40	04/11/2005	10:25	35.54	21.14	None	None
MW-03-I	Well	Siltronic	20.22	04/11/2005	10:45	36.43	16.21	None	None
MW-03-S	Well	Siltronic	17.47	04/11/2005	10:40	36.35	18.88	None	None

TABLE 2
Groundwater Elevation and NAPL Thickness Measurements
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Site ID	Type	Location/ Property	Depth to Water (Feet BMP)	Date	Time	Measuring Point Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)	LNAPL Thickness (Feet)	DNAPL Thickness (Feet)
MW-04-27	Well	RP - Herbicide Area	16.00	04/12/2005	15:06	47.53	31.53	None	None
MW-04-47	Well	RP - Herbicide Area	15.78	04/12/2005	15:08	47.65	31.87	None	None
MW-04-63	Well	RP - Herbicide Area	15.71	04/12/2005	15:15	48.00	32.29	None	None
MW-05-24	Well	RP - Herbicide Area	8.49	04/12/2005	14:30	37.83	29.34	None	None
MW-05-34	Well	RP - Herbicide Area	8.77	04/12/2005	14:36	37.83	29.06	None	None
MW-05-52	Well	RP - Herbicide Area	10.96	04/12/2005	14:33	37.70	26.74	None	None
MW-05-70	Well	RP - Herbicide Area	11.86	04/12/2005	14:32	38.33	26.47	None	None
MW-06-S	Well	Siltronic	14.34	04/11/2005	10:59	36.37	22.03	None	None
MW-07-S	Well	Siltronic	16.59	04/11/2005	11:09	37.32	20.73	None	None
MW-08-27	Well	RP - Herbicide Area	24.34	04/11/2005	15:28	48.23	23.89	None	None
MW-08-46	Well	RP - Herbicide Area	17.25	04/11/2005	15:12	48.11	30.86	None	None
MW-08-64	Well	RP - Herbicide Area	17.05	04/11/2005	15:18	47.97	30.92	None	None
MW-09-23	Well	RP - Herbicide Area	14.10	04/11/2005	14:23	47.03	32.93	None	None
MW-09-42	Well	RP - Herbicide Area	14.26	04/11/2005	14:27	47.64	33.38	None	None
MW-09-58	Well	RP - Herbicide Area	13.23	04/11/2005	14:31	46.21	32.98	None	None
MW-09-80	Well	RP - Herbicide Area	13.61	04/11/2005	14:19	46.67	33.06	None	None
MW-10-24	Well	RP - Insecticide Area	12.30	04/11/2005	14:06	46.21	33.91	None	None
MW-10-44	Well	RP - Insecticide Area	12.69	04/11/2005	14:02	46.54	33.85	None	None
MW-10-57	Well	RP - Insecticide Area	12.65	04/11/2005	13:58	46.66	34.01	None	None
MW-11-24	Well	RP - Insecticide Area	9.86	04/11/2005	13:31	44.01	34.15	None	None
MW-11-37	Well	RP - Insecticide Area	9.65	04/11/2005	13:39	43.80	34.15	None	None
MW-11-56	Well	RP - Insecticide Area	9.21	04/11/2005	13:42	43.63	34.42	None	None
MW-11-79	Well	RP - Insecticide Area	9.32	04/11/2005	13:34	44.14	34.82	None	None
MW-12-27	Well	RP - Insecticide Area	13.76	04/11/2005	12:43	50.22	36.46	None	None
MW-12-41	Well	RP - Insecticide Area	13.72	04/11/2005	12:46	50.08	36.36	None	None
MW-12-59	Well	RP - Insecticide Area	13.30	04/11/2005	12:50	49.58	36.28	None	None
MW-12-79	Well	RP - Insecticide Area	13.93	04/11/2005	12:40	50.08	36.15	None	None
P-07	Piezometer	RP - Herbicide Area	15.47	04/12/2005	14:42	46.27	30.80	None	None
P-10	Piezometer	RP	10.28	04/12/2005	15:39	40.19	29.91	None	None
P-11	Piezometer	RP - Herbicide Area	12.61	04/12/2005	15:42	39.29	26.68	None	None
PP-08	Piezometer	RP - Lake Area	11.45	04/11/2005	11:38	37.76	26.31	None	None
PZ-02-40	Piezometer	RTE 30/ COP ROW	39.29	04/11/2005	10:06	64.53	25.24	None	None
PZ-1-11	Piezometer	BNSF	5.81	04/11/2005	12:30	45.28	39.47	None	None

TABLE 2
Groundwater Elevation and NAPL Thickness Measurements
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Site ID	Type	Location/ Property	Depth to Water (Feet BMP)	Date	Time	Measuring Point Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)	LNAPL Thickness (Feet)	DNAPL Thickness (Feet)
RP-01-31	Well	BNSF	25.94	04/11/2005	12:58	35.38	9.44	None	None
RP-01-51	Well	BNSF	25.84	04/11/2005	13:01	35.28	9.44	None	None
RP-01-65	Well	BNSF	25.64	04/11/2005	13:04	35.00	9.36	None	None
RP-02-31	Well	Arkema	30.84	04/11/2005	10:57	40.12	9.28	None	None
RP-02-49	Well	Arkema	30.50	04/11/2005	10:53	39.83	9.33	None	None
RP-02-66	Well	Arkema	30.59	04/11/2005	10:47	39.70	9.11	None	None
RP-03-30R	Well	BNSF	16.26	04/11/2005	13:40	36.61	20.35	None	None
RP-03-52R	Well	BNSF	18.15	04/11/2005	13:43	36.60	18.45	None	None
RP-04-16	Piezometer	BNSF	10.30	04/11/2005	13:39	33.66	23.36	None	None
RP-04-41	Well	BNSF	10.03	04/11/2005	13:34	34.10	24.07	None	None
RP-05-16	Piezometer	BNSF	13.16	04/11/2005	16:05	40.54	27.38	None	None
RP-06-30	Well	BNSF	18.39	04/11/2005	13:21	37.10	18.71	None	None
RP-06-87	Well	BNSF	26.05	04/11/2005	13:24	37.20	11.15	None	None
RP-07-30	Well	Siltronic	24.06	04/11/2005	09:59	35.26	11.20	None	None
RP-07-55	Well	Siltronic	26.57	04/11/2005	10:03	35.20	8.63	None	None
RP-07-84	Well	Siltronic	26.63	04/11/2005	10:07	35.22	8.59	None	None
RP-07-119	Well	Siltronic	26.54	04/11/2005	09.55	35.13	8.59	None	None
RPW-02	Well	RP - Insecticide Area	10.73	04/11/2005	13:22	47.07	36.34	None	None
RPW-03	Well	RP - Insecticide Area	9.85	04/11/2005	13:47	43.94	34.09	None	None
RPW-05	Well	RP - Herbicide Area	16.92	04/12/2005	15:34	49.83	32.91	None	None
SG-NDL	Staff Gauge	North Doane Lake	4.35	04/12/2005	14:37	27.46	23.11	None	None
SG-NDP	Staff Gauge	NW Drainage Pond	5.49	04/12/2005	13:53	24.81	19.32	None	None
SG-WDL	Staff Gauge	West Doane Lake	2.92	04/12/2005	16:10	26.74	23.82	None	None
W-03-D	Well	Gould	13.11	04/11/2005	10:23	32.47	19.36	None	None
W-03-I	Well	Gould	9.14	04/11/2005	10:20	32.93	23.79	None	None
W-03-S	Well	Gould	7.91	04/11/2005	10:16	34.17	26.26	None	None
W-04-89	Well	Gould	11.91	04/11/2005	10:55	35.94	24.03	None	None
W-04-I	Well	Gould	10.45	04/11/2005	10:35	32.52	22.07	None	None
W-04-S	Well	Gould	7.99	04/11/2005	10:41	32.57	24.58	None	None
W-06-B	Well	RP - Lake Area	10.72	04/11/2005	16:15	39.96	29.24	None	None
W-06-D	Well	RP - Lake Area	13.51	04/11/2005	16:22	41.10	27.59	None	None
W-06-S	Well	RP - Lake Area	11.12	04/11/2005	16:26	39.55	28.43	None	None
W-08	Well	RP - Lake Area	11.59	04/12/2005	15:51	35.87	24.28	None	None

TABLE 2
Groundwater Elevation and NAPL Thickness Measurements
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Site ID	Type	Location/ Property	Depth to Water (Feet BMP)	Date	Time	Measuring Point Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)	LNAPL Thickness (Feet)	DNAPL Thickness (Feet)
W-08-26	Well	RP - Lake Area	11.59	04/12/2005	15:55	38.66	27.07	None	None
W-08-74	Well	RP - Lake Area	13.83	04/12/2005	15:59	38.77	24.94	None	None
W-09	Well	RP - Lake Area	8.22	04/11/2005	15:30	34.88	26.66	None	None
W-09-116	Well	RP - Lake Area	18.66	04/11/2005	15:38	38.12	19.46	None	None
W-09-86	Well	RP - Lake Area	18.41	04/11/2005	15:34	38.54	20.13	None	None
W-10	Well	Pump Station	17.58	04/11/2005	12:40	31.99	14.41	None	None
W-11-B	Well	ESCO	27.26	04/12/2005	09:54	41.33	14.07	None	None
W-11-D	Well	ESCO	26.77	04/12/2005	09:50	40.09	13.32	None	None
W-11-I	Well	ESCO	26.75	04/12/2005	09:47	40.28	13.53	None	None
W-11-S	Well	ESCO	10.49	04/12/2005	09:45	40.90	30.41	None	None
W-12-D	Well	ESCO	21.99	04/12/2005	09:26	41.63	19.64	None	None
W-12-I	Well	ESCO	22.05	04/12/2005	09:23	41.66	19.61	None	None
W-12-S	Well	ESCO	13.46	04/12/2005	09:20	41.41	27.95	None	None
W-15-D	Well	Metro	12.43	04/11/2005	10:00	40.53	28.10	None	None
W-15-I	Well	Metro	12.55	04/11/2005	10:10	40.72	28.17	None	None
W-15-S	Well	Metro	12.65	04/11/2005	10:15	40.82	28.17	None	None
W-16-31	Well	Schnitzer	7.73	04/11/2005	11:26	33.70	25.97	None	None
W-16-D	Well	Schnitzer	11.25	04/11/2005	11:24	35.44	24.19	None	None
W-16-I	Well	Schnitzer	11.19	04/11/2005	11:21	35.42	24.23	None	None
W-16-S	Well	Schnitzer	7.55	04/11/2005	11:18	35.07	27.52	None	None
W-18-D	Well	Upgradient	19.63	04/11/2005	09:28	55.70	36.07	None	None
W-18-I	Well	Upgradient	18.84	04/11/2005	09:30	54.73	35.89	None	None
W-18-S	Well	Upgradient	16.84	04/11/2005	09:19	55.23	38.39	None	None
W-19-D	Well	Arkema	25.19	04/11/2005	11:50	35.12	9.93	None	None
W-19-I	Well	Arkema	25.66	04/11/2005	11:48	35.34	9.68	None	None
W-19-S	Well	Arkema	25.52	04/11/2005	11:46	35.20	9.68	None	None

BMP Below Measuring Point
NA Not Applicable
AMSL Above Mean Sea Level, in City of Portland (COP) datum
NAPL Non-Aqueous-Phase Liquid
LNAPL Light Non-Aqueous-Phase Liquid
DNAPL Dense Non-Aqueous-Phase Liquid
BNSF Burlington Northern Santa Fe
* Survey data not available
Note: Groundwater Elevations have not been adjusted for potential displacement by LNAPL/DNAPL. NAPL was measured using a electronic interface probe. The NAPL thickness measured within monitoring wells does not represent the actual thickness of NAPL in the formation.
[1] Well covered with water, no measurement collected.

TABLE 3
Groundwater Field Measurements
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Site ID	Date	Approximate Start Time	Approximate Finish Time	Purge Rate (L/min)	pH (SU)	Specific Conductivity (uS)	Temp (C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTUs)	Ferrous Iron (mg/L)
AL2-32	04/21/2005	1320	1332	0.5	6.52	6258	15.96	0.15	-99.6	8.1	2.6
AL2-46	04/25/2005	953	1006	0.5	6.87	1685	15.07	0.96	-133.1	6.2	2.6
AL2-46 [1]	05/06/2005	1250	1302	0.5	6.89	1779	15.49	0.18	-90.1	28.7	2.4
AL-06-96	04/22/2005	0927	0943	0.5	6.58	2517	14.67	0.18	-51.5	1.0	2.2
BST2W-61	04/25/2005	1119	1131	0.5	6.74	1462	15.05	0.21	-117.3	4.6	2.5
MW-03-81	04/14/2005	1426	1436	0.5	6.50	778	12.41	0.13	-118.7	19.2	2.4
MW-03-81 [1]	04/21/2005	1203	1215	0.5	6.58	690	12.7	0.1	-132.4	40.6	3.4
MW-03-I	04/14/2005	1511	1523	0.5	6.49	1755	12.42	0.34	-92.5	--	--
MW-03-I [1]	04/21/2005	1226	1238	0.5	6.45	1658	12.27	0.4	-107.2	5.1	3.2
MW-05-24	04/26/2005	1057	1113	0.5	6.86	1102	13.64	0.02	61.6	3.3	0.6
MW-05-34	04/26/2005	1200	1216	0.5	5.76	1514	14.82	0.07	140.3	8.5	2.2
MW-05-52	04/26/2005	1259	1315	0.5	6.37	974	15.05	0.12	161.1	1.7	2.0
MW-05-70	04/26/2005	1009	1025	0.5	7.90	1194	14.81	0.04	119.0	3.0	0.5
MW-10-24	04/13/2005	1412	1424	0.4	6.40	343	13.71	1.58	145.1	12.9	0.0
RP-01-31	04/18/2005	1257	1309	0.5	6.25	351	12.85	3.03	63.4	153	0.4
RP-01-51	04/18/2005	1213	1225	0.5	6.52	3604	12.44	0.91	19.3	14.3	1.1
RP-01-65	04/18/2005	1124	1136	0.5	6.15	4604	12.35	1.65	37.8	1.11	0.6
RP-02-66	04/13/2005	1009	1021	0.5	5.78	39924	13.8	0.32	173.0	0.26	0.2
RP-02-66 [1]	04/20/2005	940	952	0.5	5.73	36406	13.76	0.34	160.7	0.34	0.2
RP-03-30R	04/19/2005	1100	1112	0.5	6.68	612	12.86	0.42	-123.0	3.5	2.2
RP-03-52R	04/19/2005	1010	1022	0.5	6.26	1110	12.81	0.7	57.2	4.74	0.4
RP-04-16	04/25/2005	1328	1340	0.5	6.65	640	10.43	0.01	-30.5	1.8	3.8
RP-04-41	04/25/2005	1427	1439	0.5	6.61	309	11.58	1.98	102.5	3.0	0.4
RP-06-87	04/18/2005	1347	1359	0.5	6.54	3639	12.61	0.31	-60.9	7.1	3.8
RP-07-30	04/14/2005	1136	1148	0.5	6.31	830	14.69	0.29	-124.3	15.4	2.6
RP-07-30 [1]	04/21/2005	1052	1104	0.5	6.47	735	14.7	0.08	-150.7	9.6	4.4
RP-07-55	04/14/2005	1204	1216	0.5	6.45	1154	14.39	0.18	-67.6	24.8	2.8
RP-07-55 [1]	04/21/2005	1000	1012	0.5	6.48	1081	14.29	0.42	-81.6	12.1	3.0
RP-07-84	04/14/2005	1234	1244	0.5	6.38	3327	13.93	0.13	6.4	--	--
RP-07-84 [1]	04/21/2005	1023	1035	0.5	6.42	2806	14.06	0.16	-12.1	31.6	2.4
RP-07-119	04/14/2005	1022	1034	0.5	6.57	1887	14.23	1.12	2.7	13.9	0.8
RP-07-119 [1]	04/21/2005	0927	0943	0.5	6.56	1688	13.98	0.18	-11.0	3.7	0.9

TABLE 3
Groundwater Field Measurements
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Site ID	Date	Approximate Start Time	Approximate Finish Time	Purge Rate (L/min)	pH (SU)	Specific Conductivity (uS)	Temp (C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTUs)	Ferrous Iron (mg/L)
W-09-116	04/20/2005	1254	1310	0.5	6.25	2144	13.64	0.12	-24.5	2.6	2.6
W-09-116 [1]	05/06/2005	1332	1348	0.5	6.36	2456	13.65	0.21	23.4	--	--
W-11-B	04/19/2005	1155	1207	0.5	7.05	2471	14.42	0.19	-136.6	1.64	3.2
W-11-D	04/19/2005	1241	1253	0.5	6.94	3331	14.12	1.63	36.3	7.61	0.0
W-11-I	04/19/2005	1319	1331	0.5	6.53	986	14.25	0.63	-115.2	4.78	3.0
W-11-S	04/19/2005	1357	1409	0.5	11.64	916	13.29	0.1	-205.8	0.77	0.2
W-18-D	04/15/2005	1012	1024	0.5	6.86	248	10.71	4.44	137.4	5.87	0.0
W-18-D [1]	04/20/2005	1151	1203	0.5	6.85	237	12.08	4.34	98.5	4.0	--
W-18-I	04/15/2005	1053	1105	0.5	6.40	212	10.80	3.05	154.9	21.0	0.0
W-18-I [1]	04/20/2005	1129	1142	0.5	6.43	205	12.01	2.77	123.8	44.5	0.0
W-19-D	04/13/2005	1124	1136	0.5	6.54	4450	13.47	0.38	114.6	4.41	0.0
W-19-D [1]	04/20/2005	1039	1051	0.5	6.41	3979	13.68	0.15	109.7	3.53	0.0
W-19-I	04/13/2005	1206	1218	0.5	6.19	6460	13.40	0.25	100.8	1.33	0.1
W-19-I [1]	04/20/2005	1017	1029	0.5	6.12	5687	13.48	0.2	104.2	9.28	0.4

[1] Well re-sampled due to laboratory error

--	Groundwater not tested for this parameter, or information is not applicable or was not recorded.
ORP	Oxidation-reduction potential
L/min	Liters per minute
SU	Standard pH units
uS	MicroSiemens
C	Degrees Celsius
mg/L	Milligrams per liter
mV	Millivolts
NTUs	Nephelometric turbidity units

Notes: a) Field measurements are indicative of steady state conditions and were the final measurements before groundwater sample collection.
b) Field measurements for pH, specific conductivity, temperature, dissolved oxygen, and ORP were collected using a YSI 600XL sonde and controller. Field turbidity measurements were collected using a Hach model 2100P portable turbidimeter. Ferrous iron measurements were obtained using a Hach field test kit.

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL2-32

Analysis: 300.0 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1780	mg/l	5.7	50	
Sulfate	54.8	mg/l	0.0838	2	

Analysis: 310.1 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	1480	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.139	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	5.80	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0343	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.131)	mg/l	0.02	0.4	

Analysis: 405.1 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	74.6	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	416	mg/l	8	25	

Analysis: 415.1/5310 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	137	mg/l	1.17	10	

Analysis: 6010B Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Calcium	147	mg/l	0.722	2	J
Iron	33.8	mg/l	0.0064	0.1	J
Magnesium	52.6	mg/l	0.0136	0.1	J
Potassium	11.3	mg/l	0.111	1	J
Sodium	1500	mg/l	0.334	20	J

Analysis: 6020 (Dissolved) Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.0279	mg/l	0.00042	0.001	
Chromium (Dissolved)	0.00241	mg/l	0.00072	0.001	
Copper (Dissolved)	0.00482	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.0592	mg/l	0.000376	0.002	
Vanadium (Dissolved)	0.0212	mg/l	0.000601	0.005	
Zinc (Dissolved)	(0.00257)	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL2-32

Analysis: 6020 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.0304	mg/l	0.00042	0.001	J
Chromium	0.00284	mg/l	0.00072	0.001	J
Copper	0.0133	mg/l	0.000788	0.002	J
Lead	(0.000859)	mg/l	0.000224	0.001	J
Manganese	19.4	mg/l	0.00298	0.04	J
Nickel	0.0608	mg/l	0.000376	0.002	J
Vanadium	0.0268	mg/l	0.000601	0.005	J
Zinc	(0.00342)	mg/l	0.0015	0.005	J

Analysis: 7470A Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	(0.000100)	mg/l	0.000063	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	6430	ug/l	131	300	J
2,4-DB	358	ug/l	190	300	
2,4,5-T	(141)	ug/l	139	300	J
2,4,5-TP(Silvex)	826	ug/l	124	300	

Analysis: 8260B Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	16.2	ug/l	1.47	10	
Chlorobenzene	853	ug/l	1.36	10	
1,2-Dichlorobenzene	1440	ug/l	0.859	10	
1,3-Dichlorobenzene	72.5	ug/l	1.32	10	
1,4-Dichlorobenzene	376	ug/l	1.87	10	
cis-1,2-Dichloroethene	(7.20)	ug/l	1.7	10	
Ethylbenzene	245	ug/l	1.1	10	
Isopropylbenzene	19.9	ug/l	1.07	10	
Methylene chloride	82.0	ug/l	4.54	50	
n-Propylbenzene	43.9	ug/l	1.38	10	
Toluene	(8.00)	ug/l	1.55	10	
1,2,4-Trimethylbenzene	96.7	ug/l	0.884	10	
1,3,5-Trimethylbenzene	19.0	ug/l	1.57	10	
m,p-Xylene	103	ug/l	2.95	20	
o-Xylene	163	ug/l	1.87	10	

Analysis: 8270C Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	1060	ug/l	200	200	
2,4-Dichlorophenol	3420	ug/l	200	200	
2,6-Dichlorophenol	(957)	ug/l	400	1000	
2-Methylphenol	821	ug/l	200	400	
2,4,6-Trichlorophenol	484	ug/l	200	200	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL2-32

Analysis: 8290 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total TCDD	12	pg/l	10	10	
Total TCDF	13	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	12.0	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	24100	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL2-46

Analysis: 300.0 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	136	mg/l	0.57	5	
Sulfate	22.1	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	750	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.801	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.896	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0229)	mg/l	0.01	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	59.2	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	248	mg/l	8	25	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	68.7	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.123	mg/l	0.0434	0.1	
Calcium	8.41	mg/l	0.0361	0.1	
Iron	6.22	mg/l	0.0064	0.1	
Magnesium	2.75	mg/l	0.0136	0.1	
Potassium	2.17	mg/l	0.111	1	
Sodium	443	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	1.90	mg/l	0.000745	0.01	J

Analysis: 8151MOD Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	87.9	ug/l	25.2	60	
2,4-D	3480	ug/l	131	300	J
2,4-DB	251	ug/l	38	60	
2,4,5-T	153	ug/l	27.8	60	J

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL2-46

Analysis: 8260B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(397)	ug/l	234	2500	
Benzene	114	ug/l	14.7	100	
Chlorobenzene	652	ug/l	13.6	100	
1,2-Dichlorobenzene	10200	ug/l	8.59	100	
1,3-Dichlorobenzene	350	ug/l	13.2	100	
1,4-Dichlorobenzene	2860	ug/l	18.7	100	
1,1-Dichloroethene	(29.0)	ug/l	19.7	100	
cis-1,2-Dichloroethene	257	ug/l	17	100	
Ethylbenzene	2230	ug/l	11	100	
Isopropylbenzene	(47.0)	ug/l	10.7	100	
Methylene chloride	(61.0)	ug/l	45.4	500	
n-Propylbenzene	101	ug/l	13.8	100	
Toluene	128	ug/l	15.5	100	
Trichloroethene	608	ug/l	24.1	100	
1,2,4-Trimethylbenzene	624	ug/l	8.84	100	
1,3,5-Trimethylbenzene	140	ug/l	15.7	100	
Vinyl chloride	(60.0)	ug/l	15.2	100	
m,p-Xylene	2010	ug/l	29.5	200	
o-Xylene	1500	ug/l	18.7	100	

Analysis: 8270C Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	1710	ug/l	200	200	
2,4-Dichlorophenol	1550	ug/l	200	200	
2,6-Dichlorophenol	(560)	ug/l	400	1000	
2,4,6-Trichlorophenol	1260	ug/l	200	200	

Analysis: 8270C Sample Date: 05/06/05 Time: 13:03

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	1150	ug/l	200	200	
2,4-Dichlorophenol	669	ug/l	200	200	
2,4,6-Trichlorophenol	760	ug/l	200	200	

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	18.2	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2620	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL2-46 (Dup)

Analysis: 8151MOD Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	82.8	ug/l	25.2	60	
2,4-D	3070	ug/l	131	300	J
2,4-DB	232	ug/l	38	60	
2,4,5-T	139	ug/l	27.8	60	J

Analysis: 8260B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(471)	ug/l	234	2500	
Benzene	116	ug/l	14.7	100	
Chlorobenzene	651	ug/l	13.6	100	
1,2-Dichlorobenzene	11000	ug/l	8.59	100	
1,3-Dichlorobenzene	374	ug/l	13.2	100	
1,4-Dichlorobenzene	3040	ug/l	18.7	100	
1,1-Dichloroethene	(29.0)	ug/l	19.7	100	
cis-1,2-Dichloroethene	271	ug/l	17	100	
Ethylbenzene	2380	ug/l	11	100	
Isopropylbenzene	(48.0)	ug/l	10.7	100	
Methylene chloride	(63.0)	ug/l	45.4	500	
n-Propylbenzene	107	ug/l	13.8	100	
Toluene	138	ug/l	15.5	100	
Trichloroethene	649	ug/l	24.1	100	
1,2,4-Trimethylbenzene	664	ug/l	8.84	100	
1,3,5-Trimethylbenzene	148	ug/l	15.7	100	
Vinyl chloride	(60.0)	ug/l	15.2	100	
m,p-Xylene	2160	ug/l	29.5	200	
o-Xylene	1610	ug/l	18.7	100	

Analysis: 8270C Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	1570	ug/l	200	200	
2,4-Dichlorophenol	1330	ug/l	200	200	
2,6-Dichlorophenol	(506)	ug/l	400	1000	
2,4,6-Trichlorophenol	1070	ug/l	200	200	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL6-96

Analysis: 300.0 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	517	mg/l	5.7	50	
Sulfate	98.8	mg/l	0.419	10	

Analysis: 310.1 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	612	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.172)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00860)	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0275)	mg/l	0.01	0.2	

Analysis: 405.1 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	6.76	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	24.9	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	6.67	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0535)	mg/l	0.0434	0.1	
Calcium	141	mg/l	0.361	1	
Iron	2.29	mg/l	0.0064	0.1	
Magnesium	59.9	mg/l	0.0136	0.1	
Potassium	12.2	mg/l	0.111	1	
Sodium	391	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	10.7	mg/l	0.00149	0.02	

Analysis: 8151MOD Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	6.35	ug/l	1.16	3	
2,4,5-TP(Silvex)	16.8	ug/l	1.24	3	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL6-96

Analysis: 8260B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	28.0	ug/l	2.94	20	
Chlorobenzene	2140	ug/l	2.72	20	
1,2-Dichlorobenzene	872	ug/l	1.72	20	
1,3-Dichlorobenzene	57.6	ug/l	2.64	20	
1,4-Dichlorobenzene	760	ug/l	3.74	20	

Analysis: NWTPH-DX Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.845	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	5290	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

AL6-96 (Dup)

Analysis: 8151MOD Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	(2.78)	ug/l	1.31	3	J
Dichlorprop	6.25	ug/l	1.16	3	
2,4,5-TP(Silvex)	17.0	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	28.8	ug/l	2.94	20	
Chlorobenzene	2140	ug/l	2.72	20	
1,2-Dichlorobenzene	846	ug/l	1.72	20	
1,3-Dichlorobenzene	52.0	ug/l	2.64	20	
1,4-Dichlorobenzene	741	ug/l	3.74	20	
cis-1,2-Dichloroethene	(3.60)	ug/l	3.4	20	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

BST2W-61

Analysis: 300.0 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	175	mg/l	0.57	5	
Sulfate	7.86	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	560	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.516	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	3.75	mg/l	0.00705	0.05	

Analysis: 376.2 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	0.232	mg/l	0.01	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	86.7	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	347	mg/l	8	25	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	98.1	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0904)	mg/l	0.0434	0.1	
Calcium	13.2	mg/l	0.0361	0.1	
Iron	4.66	mg/l	0.0064	0.1	
Magnesium	4.86	mg/l	0.0136	0.1	
Potassium	3.32	mg/l	0.111	1	
Sodium	355	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	3.86	mg/l	0.000745	0.01	

Analysis: 8151MOD Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	150	ug/l	25.2	60	
2,4-D	1100	ug/l	26.2	60	J
2,4-DB	104	ug/l	38	60	
2,4,5-TP(Silvex)	(35.7)	ug/l	24.8	60	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

BST2W-61

Analysis: 8260B Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(503)	ug/l	117	1250	J
Benzene	150	ug/l	7.35	50	J
Chlorobenzene	540	ug/l	6.8	50	J
1,2-Dichlorobenzene	4440	ug/l	4.3	50	J
1,3-Dichlorobenzene	154	ug/l	6.6	50	J
1,4-Dichlorobenzene	1250	ug/l	9.35	50	J
1,1-Dichloroethene	(12.0)	ug/l	9.85	50	J
cis-1,2-Dichloroethene	54.5	ug/l	8.5	50	J
Ethylbenzene	5970	ug/l	5.5	50	J
Isopropylbenzene	(49.0)	ug/l	5.35	50	J
n-Propylbenzene	121	ug/l	6.9	50	J
Toluene	266	ug/l	7.75	50	J
Trichloroethene	700	ug/l	12	50	J
1,2,4-Trimethylbenzene	654	ug/l	4.42	50	J
1,3,5-Trimethylbenzene	196	ug/l	7.85	50	J
Vinyl chloride	(13.5)	ug/l	7.6	50	J
m,p-Xylene	9560	ug/l	14.8	100	J
o-Xylene	4450	ug/l	9.35	50	J

Analysis: 8270C Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	3830	ug/l	200	200	
2-Methylphenol	1030	ug/l	200	400	
Phenol	767	ug/l	120	200	J

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	9.52	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	5530	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-03-81

Analysis: 300.0 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	19.4	mg/l	0.057	0.5	
Sulfate	(0.260)	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	330	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	17.6	mg/l	0.112	0.5	

Analysis: 351.2 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.134)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00372)	mg/l	0.00141	0.01	

Analysis: 405.1 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	16.9	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	38.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	7.79	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	2.19	mg/l	0.0434	0.1	
Calcium	50.6	mg/l	0.0361	0.1	
Iron	46.1	mg/l	0.0064	0.1	
Magnesium	25.5	mg/l	0.0136	0.1	
Potassium	4.37	mg/l	0.111	1	
Sodium	34.9	mg/l	0.0167	1	J

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00345	mg/l	0.00042	0.001	
Cadmium (Dissolved)	(0.000816)	mg/l	0.000138	0.001	
Nickel (Dissolved)	0.00732	mg/l	0.000376	0.002	
Zinc (Dissolved)	(0.00169)	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-03-81

Analysis: 6020 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00333	mg/l	0.00042	0.001	
Chromium	0.00345	mg/l	0.00072	0.001	
Copper	0.00442	mg/l	0.000788	0.002	
Lead	0.00120	mg/l	0.000224	0.001	
Manganese	3.27	mg/l	0.000745	0.01	
Nickel	0.0101	mg/l	0.000376	0.002	
Vanadium	0.00991	mg/l	0.000601	0.005	J
Zinc	0.0260	mg/l	0.0015	0.005	

Analysis: 8260B Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(2.70)	ug/l	2.34	25	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	25600	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-03-I

Analysis: 300.0 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	350	mg/l	5.7	50	
Sulfate	2.73	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	334	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	6.50	mg/l	0.112	0.5	

Analysis: 351.2 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	7.20	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00372)	mg/l	0.00141	0.01	

Analysis: 405.1 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	4.40	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	25.7	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	6.66	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Calcium	122	mg/l	0.361	1	
Iron	16.6	mg/l	0.0064	0.1	
Magnesium	58.3	mg/l	0.136	1	
Potassium	3.59	mg/l	0.111	1	
Sodium	110	mg/l	0.167	10	

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00271	mg/l	0.00042	0.001	
Copper (Dissolved)	(0.00153)	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.0126	mg/l	0.000376	0.002	
Zinc (Dissolved)	(0.00412)	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-03-I

Analysis: 6020 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00297	mg/l	0.00042	0.001	
Copper	(0.00186)	mg/l	0.000788	0.002	
Lead	(0.000888)	mg/l	0.000224	0.001	
Manganese	6.84	mg/l	0.00149	0.02	
Nickel	0.00990	mg/l	0.000376	0.002	
Zinc	(0.00420)	mg/l	0.0015	0.005	

Analysis: 8260B Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(4.12)	ug/l	2.34	25	
Chlorobenzene	3.39	ug/l	0.136	1	
1,2-Dichlorobenzene	(0.580)	ug/l	0.0859	1	
1,4-Dichlorobenzene	(0.230)	ug/l	0.187	1	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	166	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-24

Analysis: 300.0 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	45.9	mg/l	0.57	5	
Sulfate	14.6	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	247	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.200	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.899	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	3.05	mg/l	0.0141	0.1	

Analysis: 405.1 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	62.0	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	359	mg/l	8	25	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	89.6	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.489	mg/l	0.0434	0.1	
Calcium	5.88	mg/l	0.0361	0.1	
Iron	1.12	mg/l	0.0064	0.1	
Magnesium	0.870	mg/l	0.0136	0.1	
Potassium	(0.765)	mg/l	0.111	1	
Sodium	147	mg/l	0.0334	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.193	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	114	ug/l	25.2	60	
2,4-D	36400	ug/l	6550	15000	
2,4-DB	538	ug/l	38	60	
2,4,5-T	2290	ug/l	139	300	J

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-24

Analysis: 8260B Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(52.0)	ug/l	29.4	200	
Chlorobenzene	956	ug/l	27.2	200	
1,2-Dichlorobenzene	27900	ug/l	17.2	200	
1,3-Dichlorobenzene	1020	ug/l	26.4	200	
1,4-Dichlorobenzene	9150	ug/l	37.4	200	
Ethylbenzene	2180	ug/l	22	200	
Methylene chloride	1230	ug/l	90.8	1000	
n-Propylbenzene	(156)	ug/l	27.6	200	
Toluene	236	ug/l	31	200	
Trichloroethene	246	ug/l	48.2	200	
1,2,4-Trimethylbenzene	1530	ug/l	17.7	200	
1,3,5-Trimethylbenzene	450	ug/l	31.4	200	
m,p-Xylene	7570	ug/l	59	400	
o-Xylene	2360	ug/l	37.4	200	

Analysis: 8270C Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-Dichlorophenol	11300	ug/l	500	500	
2,6-Dichlorophenol	(1650)	ug/l	1000	2500	
2,4,6-Trichlorophenol	4500	ug/l	500	500	

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	42.2	mg/l	0.153	0.25	
Fuel oil no. 6	0.930	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	1500	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-34

Analysis: 300.0 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	104	mg/l	0.57	5	
Nitrite(as N)	0.120	mg/l	0.0113	0.1	
Sulfate	67.3	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	112	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.0719	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	1.28	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.125	mg/l	0.00141	0.01	

Analysis: 405.1 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	254	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	1420	mg/l	16	50	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	381	mg/l	1.17	10	

Analysis: 6010B Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.495	mg/l	0.0434	0.1	
Calcium	2.83	mg/l	0.0361	0.1	
Iron	3.85	mg/l	0.0064	0.1	
Magnesium	1.59	mg/l	0.0136	0.1	
Potassium	1.17	mg/l	0.111	1	
Sodium	187	mg/l	0.0334	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.336	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	10400	ug/l	1260	3000	
2,4-D	52600	ug/l	6550	15000	
2,4-DB	635	ug/l	38	60	
2,4,5-T	2140	ug/l	139	300	J

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-34

Analysis: 8260B Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	265	ug/l	14.7	100	
Chlorobenzene	334	ug/l	13.6	100	
1,2-Dichlorobenzene	10900	ug/l	8.59	100	
1,3-Dichlorobenzene	430	ug/l	13.2	100	
1,4-Dichlorobenzene	3610	ug/l	18.7	100	
2-Ethyl-1-hexanol	12900	ug/l	10000	10000	J
Ethylbenzene	9220	ug/l	11	100	
Isobutylalcohol	16500	ug/l	1590	10000	J
Isopropylbenzene	(64.0)	ug/l	10.7	100	
Methylene chloride	(338)	ug/l	45.4	500	
n-Propylbenzene	172	ug/l	13.8	100	
Toluene	1660	ug/l	15.5	100	
Trichloroethene	4290	ug/l	24.1	100	
1,2,4-Trimethylbenzene	1410	ug/l	8.84	100	
1,3,5-Trimethylbenzene	429	ug/l	15.7	100	
m,p-Xylene	24900	ug/l	29.5	200	
o-Xylene	6900	ug/l	18.7	100	

Analysis: 8270C Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	2360	ug/l	500	500	
2,4-Dichlorophenol	98900	ug/l	10000	10000	
2,6-Dichlorophenol	7380	ug/l	1000	2500	
Phenol	(472)	ug/l	300	500	J
2,4,5-Trichlorophenol	584	ug/l	500	500	
2,4,6-Trichlorophenol	10400	ug/l	500	500	

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	140	mg/l	1.53	2.5	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	249	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-52

Analysis: 300.0 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	60.9	mg/l	0.57	5	
Sulfate	35.0	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	230	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.331)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	7.02	mg/l	0.0141	0.1	

Analysis: 376.2 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.111)	mg/l	0.01	0.2	

Analysis: 405.1 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	6.78	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	59.7	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	12.7	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0460)	mg/l	0.0434	0.1	
Calcium	1.39	mg/l	0.0361	0.1	
Iron	3.10	mg/l	0.0064	0.1	
Magnesium	3.06	mg/l	0.0136	0.1	
Potassium	(0.488)	mg/l	0.111	1	
Sodium	150	mg/l	0.0334	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.255	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	141	ug/l	25.2	60	
2,4-D	3710	ug/l	131	300	
2,4,5-T	111	ug/l	27.8	60	J

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-52

Analysis: 8260B Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(32.5)	ug/l	7.35	50	
Chlorobenzene	296	ug/l	6.8	50	
Chloroform	(7.50)	ug/l	7.15	50	
1,2-Dichlorobenzene	6700	ug/l	4.3	50	
1,3-Dichlorobenzene	238	ug/l	6.6	50	
1,4-Dichlorobenzene	1860	ug/l	9.35	50	
Ethylbenzene	2800	ug/l	5.5	50	
Isopropylbenzene	(21.5)	ug/l	5.35	50	
Methylene chloride	(23.0)	ug/l	22.7	250	
n-Propylbenzene	(40.0)	ug/l	6.9	50	
Tetrachloroethene	(6.00)	ug/l	5.45	50	
Toluene	53.0	ug/l	7.75	50	
Trichloroethene	85.0	ug/l	12	50	
1,2,4-Trimethylbenzene	261	ug/l	4.42	50	
1,3,5-Trimethylbenzene	80.5	ug/l	7.85	50	
m,p-Xylene	2900	ug/l	14.8	100	
o-Xylene	2170	ug/l	9.35	50	

Analysis: 8270C Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	43.0	ug/l	40	40	
2,4-Dichlorophenol	149	ug/l	40	40	
2,4,5-Trichlorophenol	108	ug/l	40	40	
2,4,6-Trichlorophenol	195	ug/l	40	40	

Analysis: 8290 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,3,7,8-TCDD	52	pg/l	2.5	10	
Total PeCDF	170	pg/l	50	50	
Total TCDD	520	pg/l	10	10	
Total TCDF	750	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	4.55	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	48.2	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-70

Analysis: 300.0 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	41.7	mg/l	0.57	5	
Sulfate	30.2	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	276	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.0708	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.312)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	1.24	mg/l	0.00705	0.05	

Analysis: 410.4 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	8.21	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.44	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.206	mg/l	0.0434	0.1	
Calcium	1.59	mg/l	0.0361	0.1	
Iron	1.10	mg/l	0.0064	0.1	
Magnesium	0.751	mg/l	0.0136	0.1	
Potassium	2.04	mg/l	0.111	1	
Sodium	159	mg/l	0.0334	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.416	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	4.94	ug/l	1.31	3	
2,4,5-TP(Silvex)	(2.72)	ug/l	1.24	3	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-05-70

Analysis: 8260B Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(1.40)	ug/l	0.735	5	
Chlorobenzene	36.4	ug/l	0.68	5	
1,2-Dichlorobenzene	645	ug/l	0.43	5	
1,3-Dichlorobenzene	16.4	ug/l	0.66	5	
1,4-Dichlorobenzene	164	ug/l	0.935	5	
cis-1,2-Dichloroethene	6.10	ug/l	0.85	5	
Trichloroethene	11.6	ug/l	1.2	5	

Analysis: 8290 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total TCDF	17	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.279	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	305	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-10-24

Analysis: 300.0 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	7.14	mg/l	0.057	0.5	
Nitrate	1.12	mg/l	0.0321	0.1	
Sulfate	15.7	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	154	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	(0.0244)	mg/l	0.0112	0.05	

Analysis: 365.2 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0514	mg/l	0.00141	0.01	

Analysis: 405.1 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	(2.92)	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	11.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	3.05	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.474	mg/l	0.0434	0.1	
Calcium	32.4	mg/l	0.0361	0.1	
Iron	0.891	mg/l	0.0064	0.1	
Magnesium	14.2	mg/l	0.0136	0.1	
Potassium	1.56	mg/l	0.111	1	
Sodium	23.5	mg/l	0.0167	1	

Analysis: 6020 (Dissolved) Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	(0.000936)	mg/l	0.00042	0.001	
Chromium (Dissolved)	0.00251	mg/l	0.00072	0.001	
Copper (Dissolved)	0.00530	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.00400	mg/l	0.000376	0.002	
Vanadium (Dissolved)	0.00673	mg/l	0.000601	0.005	
Zinc (Dissolved)	0.0143	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-10-24

Analysis: 6020 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00100	mg/l	0.00042	0.001	
Chromium	0.00386	mg/l	0.00072	0.001	
Copper	0.00622	mg/l	0.000788	0.002	
Lead	(0.000940)	mg/l	0.000224	0.001	
Manganese	0.644	mg/l	0.000149	0.002	
Nickel	0.00567	mg/l	0.000376	0.002	
Vanadium	0.00848	mg/l	0.000601	0.005	
Zinc	0.0163	mg/l	0.0015	0.005	

Analysis: 8081A Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	2.29	ug/l	0.25	0.5	
gamma-BHC (Lindane)	0.821	ug/l	0.25	0.5	
alpha-BHC	0.929	ug/l	0.25	0.5	
beta-BHC	1.70	ug/l	0.25	0.5	
delta-BHC	1.96	ug/l	0.25	0.5	
alpha-Chlordane	0.624	ug/l	0.25	0.5	
gamma-Chlordane	1.06	ug/l	0.25	0.5	
Dieldrin	3.71	ug/l	0.5	1	
Endrin	1.09	ug/l	0.25	0.5	
Endrin Ketone	2.02	ug/l	0.25	0.5	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	6.09	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

MW-10-24 (Dup)

Analysis: 6020 (Dissolved) Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	(0.000474)	mg/l	0.00042	0.001	
Chromium (Dissolved)	0.00271	mg/l	0.00072	0.001	
Copper (Dissolved)	0.00565	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.00456	mg/l	0.000376	0.002	
Vanadium (Dissolved)	0.00714	mg/l	0.000601	0.005	
Zinc (Dissolved)	0.0189	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	(0.000935)	mg/l	0.00042	0.001	
Chromium	0.00369	mg/l	0.00072	0.001	
Copper	0.00586	mg/l	0.000788	0.002	
Lead	(0.000768)	mg/l	0.000224	0.001	
Nickel	0.00517	mg/l	0.000376	0.002	
Vanadium	0.00885	mg/l	0.000601	0.005	
Zinc	0.0154	mg/l	0.0015	0.005	

Analysis: 8081A Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	2.06	ug/l	0.25	0.5	
gamma-BHC (Lindane)	0.708	ug/l	0.25	0.5	
alpha-BHC	0.807	ug/l	0.25	0.5	
beta-BHC	1.50	ug/l	0.25	0.5	
delta-BHC	1.88	ug/l	0.25	0.5	
alpha-Chlordane	0.573	ug/l	0.25	0.5	
gamma-Chlordane	0.935	ug/l	0.25	0.5	N
Dieldrin	3.88	ug/l	0.5	1	
Endrin	1.00	ug/l	0.5	1	
Endrin Ketone	1.91	ug/l	0.5	1	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-01-31

Analysis: 300.0 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	6.35	mg/l	0.057	0.5	
Nitrate	1.78	mg/l	0.0321	0.1	
Sulfate	19.7	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	153	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.343)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.362	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0795)	mg/l	0.01	0.2	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.82	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	2.62	mg/l	0.0434	0.1	J
Calcium	5.76	mg/l	0.0361	0.1	
Iron	5.74	mg/l	0.0064	0.1	
Magnesium	2.79	mg/l	0.0136	0.1	
Potassium	2.28	mg/l	0.111	1	
Sodium	76.7	mg/l	0.0167	1	

Analysis: 6020 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.0739	mg/l	0.000149	0.002	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-01-51

Analysis: 300.0 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	853	mg/l	5.7	50	
Sulfate	232	mg/l	0.419	10	

Analysis: 310.1 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	525	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.174	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.714	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0254	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	36.0	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	9.61	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.670	mg/l	0.0434	0.1	
Calcium	140	mg/l	0.361	1	
Iron	3.93	mg/l	0.0064	0.1	
Magnesium	51.1	mg/l	0.0136	0.1	
Potassium	13.9	mg/l	0.111	1	
Sodium	635	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	3.72	mg/l	0.000745	0.01	

Analysis: 8151MOD Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	4.52	ug/l	1.16	3	
2,4,5-TP(Silvex)	18.7	ug/l	1.24	3	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-01-51

Analysis: 8260B Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(0.680)	ug/l	0.294	2	
Chlorobenzene	43.5	ug/l	0.272	2	
1,2-Dichlorobenzene	300	ug/l	0.172	2	
1,3-Dichlorobenzene	8.56	ug/l	0.264	2	
1,4-Dichlorobenzene	77.1	ug/l	0.374	2	
1,1-Dichloroethene	(1.08)	ug/l	0.394	2	
cis-1,2-Dichloroethene	5.08	ug/l	0.34	2	
trans-1,2-Dichloroethene	(0.480)	ug/l	0.35	2	
Trichloroethene	5.02	ug/l	0.482	2	
Vinyl chloride	7.88	ug/l	0.304	2	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	498	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-01-65

Analysis: 300.0 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1530	mg/l	2.85	25	
Sulfate	144	mg/l	2.1	50	

Analysis: 310.1 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	414	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	(0.0135)	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.244)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0801	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	31.3	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	3.87	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Calcium	363	mg/l	0.361	1	
Iron	0.222	mg/l	0.0064	0.1	
Magnesium	130	mg/l	0.136	1	
Potassium	18.6	mg/l	0.111	1	
Sodium	488	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	2.97	mg/l	0.000745	0.01	

Analysis: 8151MOD Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	5.03	ug/l	1.31	3	
Dichlorprop	8.71	ug/l	1.16	3	
2,4,5-TP(Silvex)	31.4	ug/l	1.24	3	

Table 4

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

Detections Only

RP - Portland Site

RP-01-65

Analysis: 8260B Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	12.2	ug/l	0.735	5	
Chlorobenzene	90.0	ug/l	0.68	5	
Chloroform	(0.800)	ug/l	0.715	5	
1,2-Dichlorobenzene	660	ug/l	0.43	5	
1,3-Dichlorobenzene	18.6	ug/l	0.66	5	
1,4-Dichlorobenzene	171	ug/l	0.935	5	
1,1-Dichloroethene	(2.20)	ug/l	0.985	5	
cis-1,2-Dichloroethene	9.90	ug/l	0.85	5	
trans-1,2-Dichloroethene	(1.20)	ug/l	0.875	5	
Trichloroethene	13.2	ug/l	1.2	5	
Vinyl chloride	20.4	ug/l	0.76	5	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	748	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-02-66

Analysis: 300.0 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	15500	mg/l	57	500	
Sulfate	(60.0)	mg/l	4.19	100	

Analysis: 310.1 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	252	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.0615	mg/l	0.0112	0.05	

Analysis: 365.2 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0862	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0934)	mg/l	0.01	0.2	

Analysis: 410.4 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	124	mg/l	8	25	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	(0.428)	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Calcium	1550	mg/l	3.61	10	
Iron	(0.0851)	mg/l	0.0064	0.1	
Magnesium	426	mg/l	0.136	1	
Potassium	73.7	mg/l	1.11	10	
Sodium	7650	mg/l	1.67	100	

Analysis: 6020 (Dissolved) Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Cadmium (Dissolved)	(0.00414)	mg/l	0.00069	0.005	
Copper (Dissolved)	0.0258	mg/l	0.00394	0.01	
Nickel (Dissolved)	0.123	mg/l	0.00188	0.01	
Vanadium (Dissolved)	(0.00754)	mg/l	0.003	0.025	J
Zinc (Dissolved)	(0.0238)	mg/l	0.0075	0.025	J

Analysis: 6020 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Cadmium	(0.00505)	mg/l	0.00138	0.01	
Copper	0.0292	mg/l	0.00788	0.02	
Lead	(0.000674)	mg/l	0.000224	0.001	
Manganese	5.85	mg/l	0.00149	0.02	
Nickel	0.125	mg/l	0.00376	0.02	
Vanadium	(0.0168)	mg/l	0.00601	0.05	
Zinc	(0.0194)	mg/l	0.015	0.05	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-02-66

Analysis: 8151MOD Sample Date: 04/20/05 Time: 09:52

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4,5-TP(Silvex)	7.60	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(0.150)	ug/l	0.147	1	
Chlorobenzene	20.8	ug/l	0.136	1	
Chloroform	(0.420)	ug/l	0.143	1	
1,2-Dichlorobenzene	102	ug/l	0.0859	1	J
1,3-Dichlorobenzene	2.92	ug/l	0.132	1	
1,4-Dichlorobenzene	28.5	ug/l	0.187	1	
1,1-Dichloroethene	(0.420)	ug/l	0.197	1	
cis-1,2-Dichloroethene	1.73	ug/l	0.17	1	
Trichloroethene	1.47	ug/l	0.241	1	
Trichlorofluoromethane	(0.810)	ug/l	0.16	1	
Vinyl chloride	4.57	ug/l	0.152	1	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	172	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-03-30R

Analysis: 8260B Sample Date: 04/19/05 Time: 11:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ethylbenzene	(4.70)	ug/l	1.1	10	
Isopropylbenzene	(2.40)	ug/l	1.07	10	
Naphthalene	1090	ug/l	0.989	10	
1,2,4-Trimethylbenzene	15.3	ug/l	0.884	10	
1,3,5-Trimethylbenzene	(8.20)	ug/l	1.57	10	
m,p-Xylene	(5.20)	ug/l	2.95	20	
o-Xylene	(3.20)	ug/l	1.87	10	

Analysis: 8270M Sample Date: 04/19/05 Time: 11:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	390	ug/l	10	20	
Acenaphthylene	6.16	ug/l	0.5	1	
Anthracene	7.33	ug/l	0.5	1	
Benzo(a)anthracene	(0.665)	ug/l	0.5	1	
Fluoranthene	21.5	ug/l	0.5	1	
Fluorene	158	ug/l	10	20	
Naphthalene	820	ug/l	10	20	
Phenanthrene	151	ug/l	10	20	
Pyrene	14.5	ug/l	0.5	1	

Table 4

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

Detections Only

RP - Portland Site

RP-03-52R

Analysis: 8270M Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Fluorene	0.115	ug/l	0.05	0.1	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-03-52R (Dup)

Analysis: 8270M Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Fluorene	(0.0959)	ug/l	0.05	0.1	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-04-16

Analysis: 300.0 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	23.8	mg/l	0.057	0.5	
Sulfate	20.9	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	286	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.336	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.720	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0504	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	0.253	mg/l	0.01	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	22.5	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	32.7	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	9.58	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0493)	mg/l	0.0434	0.1	
Calcium	91.6	mg/l	0.0361	0.1	
Iron	7.42	mg/l	0.0064	0.1	
Magnesium	8.39	mg/l	0.0136	0.1	
Potassium	2.89	mg/l	0.111	1	
Sodium	41.5	mg/l	0.0167	1	

Analysis: 6020 (Dissolved) Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.295	mg/l	0.00042	0.001	
Nickel (Dissolved)	0.00895	mg/l	0.000376	0.002	
Zinc (Dissolved)	0.0133	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-04-16

Analysis: 6020 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.0800	mg/l	0.00042	0.001	
Copper	(0.00167)	mg/l	0.000788	0.002	
Lead	0.00101	mg/l	0.000224	0.001	
Manganese	0.657	mg/l	0.000149	0.002	
Nickel	0.0113	mg/l	0.000376	0.002	
Vanadium	(0.000650)	mg/l	0.000601	0.005	J
Zinc	(0.00296)	mg/l	0.0015	0.005	

Analysis: 8151MOD Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	4220	ug/l	131	300	J
2,4,5-T	402	ug/l	27.8	60	J

Analysis: 8260B Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(36.0)	ug/l	11.7	125	
Benzene	85.0	ug/l	0.735	5	
Chlorobenzene	298	ug/l	0.68	5	
1,2-Dichlorobenzene	851	ug/l	0.43	5	
1,3-Dichlorobenzene	32.2	ug/l	0.66	5	
1,4-Dichlorobenzene	299	ug/l	0.935	5	
Ethylbenzene	47.4	ug/l	0.55	5	
Isobutylalcohol	(418)	ug/l	79.5	500	J
Isopropylbenzene	(1.25)	ug/l	0.535	5	
n-Propylbenzene	(4.30)	ug/l	0.69	5	
Toluene	(1.60)	ug/l	0.775	5	
1,2,4-Trichlorobenzene	(2.60)	ug/l	1.06	5	
1,2,4-Trimethylbenzene	40.0	ug/l	0.442	5	
1,3,5-Trimethylbenzene	10.0	ug/l	0.785	5	
m,p-Xylene	135	ug/l	1.48	10	
o-Xylene	47.3	ug/l	0.935	5	

Analysis: 8270C Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Chlorophenol	56.1	ug/l	20	20	
1,2-Dichlorobenzene	1660	ug/l	60	100	J
1,3-Dichlorobenzene	72.6	ug/l	12	20	J
1,4-Dichlorobenzene	528	ug/l	12	20	J
2,4-Dichlorophenol	733	ug/l	20	20	
2,6-Dichlorophenol	114	ug/l	40	100	
2-Methylphenol	79.6	ug/l	20	40	
2,4,5-Trichlorophenol	58.3	ug/l	20	20	
2,4,6-Trichlorophenol	237	ug/l	20	20	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-04-16

Analysis: 8290 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,3,7,8-TCDD	200	pg/l	2.5	10	
Total PeCDF	540	pg/l	50	50	
Total TCDD	400	pg/l	10	10	
Total TCDF	2700	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.734	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	17200	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-04-41

Analysis: 300.0 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	7.39	mg/l	0.057	0.5	
Sulfate	17.2	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	133	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.192)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.108	mg/l	0.00141	0.01	

Analysis: 405.1 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	17.9	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	64.1	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	12.2	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0671)	mg/l	0.0434	0.1	
Calcium	29.9	mg/l	0.0361	0.1	
Iron	0.405	mg/l	0.0064	0.1	
Magnesium	16.4	mg/l	0.0136	0.1	
Potassium	1.85	mg/l	0.111	1	
Sodium	10.0	mg/l	0.0167	1	

Analysis: 6020 (Dissolved) Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00230	mg/l	0.00042	0.001	
Nickel (Dissolved)	0.00700	mg/l	0.000376	0.002	
Vanadium (Dissolved)	0.00560	mg/l	0.000601	0.005	
Zinc (Dissolved)	(0.00413)	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-04-41

Analysis: 6020 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00287	mg/l	0.00042	0.001	
Chromium	(0.000793)	mg/l	0.00072	0.001	J
Copper	0.00221	mg/l	0.000788	0.002	
Lead	(0.000391)	mg/l	0.000224	0.001	
Manganese	3.16	mg/l	0.000745	0.01	
Nickel	0.00738	mg/l	0.000376	0.002	
Vanadium	0.0100	mg/l	0.000601	0.005	J
Zinc	0.00890	mg/l	0.0015	0.005	

Analysis: 8151MOD Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	6390	ug/l	131	300	J
2,4,5-T	185	ug/l	27.8	60	J

Analysis: 8260B Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chlorobenzene	(0.700)	ug/l	0.136	1	
1,2-Dichlorobenzene	53.3	ug/l	0.0859	1	
1,3-Dichlorobenzene	1.75	ug/l	0.132	1	
1,4-Dichlorobenzene	18.5	ug/l	0.187	1	
Ethylbenzene	(0.780)	ug/l	0.11	1	
m,p-Xylene	2.42	ug/l	0.295	2	
o-Xylene	(0.980)	ug/l	0.187	1	

Analysis: 8270C Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2-Dichlorobenzene	19700	ug/l	600	1000	J
1,3-Dichlorobenzene	873	ug/l	120	200	J
1,4-Dichlorobenzene	5890	ug/l	120	200	J
2,4-Dichlorophenol	1500	ug/l	200	200	
1,2,4-Trichlorobenzene	(158)	ug/l	120	200	J

Analysis: 8290 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDF	64	pg/l	12	50	
1,2,3,4,6,7,8,9-OCDD	(53)	pg/l	25	100	J
1,2,3,4,6,7,8,9-OCDF	220	pg/l	25	100	
2,3,7,8-TCDD	1100	pg/l	2.5	10	
2,3,7,8-TCDF	(8.2)	pg/l	2.5	10	J
Total HpCDF	120	pg/l	50	50	
Total HxCDF	74	pg/l	50	50	
Total PeCDF	3000	pg/l	50	50	
Total TCDD	1600	pg/l	10	10	
Total TCDF	6100	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	13.7	mg/l	0.153	0.25	

Table 4

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

Detections Only

RP - Portland Site

RP-04-41

Analysis: RSK 175 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2.11	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-06-87

Analysis: 300.0 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1160	mg/l	5.7	50	
Nitrate	(0.0700)	mg/l	0.0321	0.1	
Sulfate	109	mg/l	0.419	10	

Analysis: 310.1 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	438	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	(0.0260)	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.321)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00189)	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	19.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.61	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.239	mg/l	0.0434	0.1	
Calcium	524	mg/l	0.361	1	
Iron	7.12	mg/l	0.0064	0.1	
Magnesium	175	mg/l	0.136	1	
Potassium	13.9	mg/l	0.111	1	
Sodium	97.0	mg/l	0.0167	1	

Analysis: 6020 (Dissolved) Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.0214	mg/l	0.00042	0.001	
Copper (Dissolved)	0.00381	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.0471	mg/l	0.000376	0.002	
Vanadium (Dissolved)	(0.00347)	mg/l	0.000601	0.005	
Zinc (Dissolved)	0.00588	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-06-87

Analysis: 6020 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.0236	mg/l	0.00042	0.001	
Copper	0.00544	mg/l	0.000788	0.002	
Lead	(0.000265)	mg/l	0.000224	0.001	
Manganese	31.2	mg/l	0.00745	0.1	
Nickel	0.0568	mg/l	0.000376	0.002	
Vanadium	(0.00439)	mg/l	0.000601	0.005	
Zinc	0.00889	mg/l	0.0015	0.005	

Analysis: 8151MOD Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	6.85	ug/l	1.16	3	
2,4,5-TP(Silvex)	25.8	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(1.55)	ug/l	0.735	5	
Chlorobenzene	91.2	ug/l	0.68	5	
1,2-Dichlorobenzene	498	ug/l	0.43	5	
1,3-Dichlorobenzene	12.2	ug/l	0.66	5	
1,4-Dichlorobenzene	119	ug/l	0.935	5	
1,1-Dichloroethene	(3.10)	ug/l	0.985	5	
cis-1,2-Dichloroethene	11.0	ug/l	0.85	5	
Trichloroethene	16.6	ug/l	1.2	5	
Vinyl chloride	13.2	ug/l	0.76	5	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	908	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-07-119

Analysis: 300.0 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	508	mg/l	5.7	50	
Nitrate	(0.0500)	mg/l	0.0321	0.1	
Sulfate	33.5	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	150	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.200)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0266	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	9.32	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.10	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.419	mg/l	0.0434	0.1	
Calcium	249	mg/l	0.361	1	
Iron	1.97	mg/l	0.0064	0.1	
Magnesium	61.9	mg/l	0.136	1	
Potassium	10.4	mg/l	0.111	1	
Sodium	20.0	mg/l	0.0167	1	J

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	(0.000768)	mg/l	0.00042	0.001	
Copper (Dissolved)	(0.00186)	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.0217	mg/l	0.000376	0.002	
Zinc (Dissolved)	0.00594	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chromium	(0.000954)	mg/l	0.00072	0.001	
Copper	0.00285	mg/l	0.000788	0.002	
Lead	(0.000296)	mg/l	0.000224	0.001	
Manganese	0.196	mg/l	0.000149	0.002	
Nickel	0.0221	mg/l	0.000376	0.002	
Vanadium	(0.00344)	mg/l	0.000601	0.005	J
Zinc	0.0108	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-07-119

Analysis: 7470A Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	(0.0000663)	mg/l	0.000063	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	4.42	ug/l	1.16	3	N
2,4,5-TP(Silvex)	13.1	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chlorobenzene	9.74	ug/l	0.136	1	
Chloroform	(0.270)	ug/l	0.143	1	
1,2-Dichlorobenzene	138	ug/l	0.0859	1	
1,3-Dichlorobenzene	4.89	ug/l	0.132	1	
1,4-Dichlorobenzene	39.0	ug/l	0.187	1	
1,1-Dichloroethene	(0.350)	ug/l	0.197	1	
cis-1,2-Dichloroethene	6.54	ug/l	0.17	1	
Trichloroethene	6.86	ug/l	0.241	1	

Table 4

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

Detections Only

RP - Portland Site

RP-07-30

Analysis: 8270M Sample Date: 04/21/05 Time: 11:05

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	8.45	ug/l	0.05	0.1	
Anthracene	0.119	ug/l	0.05	0.1	
Fluoranthene	1.20	ug/l	0.05	0.1	
Fluorene	2.83	ug/l	0.05	0.1	
Phenanthrene	2.47	ug/l	0.05	0.1	
Pyrene	0.776	ug/l	0.05	0.1	

Table 4

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

Detections Only

RP - Portland Site

RP-07-55

Analysis: 8270M Sample Date: 04/21/05 Time: 10:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
Pyrene	(0.0553)	ug/l	0.05	0.1	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-07-84

Analysis: 300.0 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1030	mg/l	5.7	50	
Sulfate	87.1	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	272	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	(0.0207)	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.194)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0272	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	27.4	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.49	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.360	mg/l	0.0434	0.1	
Calcium	490	mg/l	0.361	1	
Iron	2.14	mg/l	0.0064	0.1	
Magnesium	114	mg/l	0.136	1	
Potassium	15.8	mg/l	0.111	1	
Sodium	59.5	mg/l	0.0167	1	J

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00958	mg/l	0.00042	0.001	
Copper (Dissolved)	0.00433	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.0438	mg/l	0.000376	0.002	
Zinc (Dissolved)	(0.00308)	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00647	mg/l	0.00042	0.001	
Copper	0.00460	mg/l	0.000788	0.002	
Manganese	0.405	mg/l	0.000149	0.002	
Nickel	0.0381	mg/l	0.000376	0.002	
Vanadium	(0.00246)	mg/l	0.000601	0.005	J
Zinc	(0.00480)	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

RP-07-84

Analysis: 8151MOD Sample Date: 04/21/05 Time: 10:35

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	6.39	ug/l	1.16	3	N
2,4,5-TP(Silvex)	29.6	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(1.75)	ug/l	0.735	5	
Chlorobenzene	109	ug/l	0.68	5	
1,2-Dichlorobenzene	743	ug/l	0.43	5	
1,3-Dichlorobenzene	20.2	ug/l	0.66	5	
1,4-Dichlorobenzene	188	ug/l	0.935	5	
1,1-Dichloroethene	(2.40)	ug/l	0.985	5	
cis-1,2-Dichloroethene	16.2	ug/l	0.85	5	
trans-1,2-Dichloroethene	(1.30)	ug/l	0.875	5	
Trichloroethene	13.6	ug/l	1.2	5	
Vinyl chloride	15.6	ug/l	0.76	5	

Analysis: NWTPH-DX Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.556	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	454	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-09-116

Analysis: 300.0 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	761	mg/l	5.7	50	
Sulfate	70.2	mg/l	0.419	10	

Analysis: 310.1 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	486	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.354	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.618	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0550	mg/l	0.00141	0.01	

Analysis: 405.1 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	(3.52)	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	7.65	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.84	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	1.36	mg/l	0.0434	0.1	
Calcium	235	mg/l	0.361	1	
Iron	3.82	mg/l	0.0064	0.1	
Magnesium	124	mg/l	0.136	1	
Potassium	15.1	mg/l	0.111	1	
Sodium	155	mg/l	0.167	10	

Analysis: 6020 (Dissolved) Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00908	mg/l	0.00042	0.001	
Copper (Dissolved)	0.00305	mg/l	0.000788	0.002	
Nickel (Dissolved)	0.0358	mg/l	0.000376	0.002	
Vanadium (Dissolved)	(0.00352)	mg/l	0.000601	0.005	
Zinc (Dissolved)	0.00539	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-09-116

Analysis: 6020 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chromium	0.00195	mg/l	0.00072	0.001	
Copper	0.00713	mg/l	0.000788	0.002	
Lead	0.00129	mg/l	0.000224	0.001	
Manganese	10.6	mg/l	0.00149	0.02	
Nickel	0.0189	mg/l	0.000376	0.002	
Vanadium	0.00791	mg/l	0.000601	0.005	
Zinc	0.0266	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)	(0.0000727)	mg/l	0.000063	0.0002	

Analysis: 8151MOD Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	9.02	ug/l	1.16	3	
Dinoseb	(1.75)	ug/l	1.54	3	J
2,4,5-TP(Silvex)	15.8	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	79.4	ug/l	2.94	20	
Chlorobenzene	251	ug/l	2.72	20	
1,2-Dichlorobenzene	2630	ug/l	1.72	20	
1,3-Dichlorobenzene	68.0	ug/l	2.64	20	
1,4-Dichlorobenzene	792	ug/l	3.74	20	
cis-1,2-Dichloroethene	(9.80)	ug/l	3.4	20	
Trichloroethene	(12.4)	ug/l	4.82	20	
Vinyl chloride	(11.6)	ug/l	3.04	20	

Analysis: 8270C Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2-Dichlorobenzene	2210	ug/l	120	200	J
1,3-Dichlorobenzene	82.3	ug/l	30	50	J
1,4-Dichlorobenzene	767	ug/l	30	50	J

Analysis: 8270C Sample Date: 05/06/05 Time: 13:49

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2-Dichlorobenzene	2190	ug/l	120	200	J
1,3-Dichlorobenzene	70.1	ug/l	30	50	J
1,4-Dichlorobenzene	663	ug/l	30	50	J

Analysis: NWTPH-DX Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	1.29	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2650	ug/l	52	52	

Table 4

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

Detections Only

RP - Portland Site

W-09-116 (Dup)

Analysis: 8270C Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2-Dichlorobenzene	2250	ug/l	120	200	J
1,3-Dichlorobenzene	85.6	ug/l	30	50	J
1,4-Dichlorobenzene	808	ug/l	30	50	J

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-11-B

Analysis: 300.0 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	715	mg/l	5.7	50	
Sulfate	133	mg/l	0.419	10	

Analysis: 310.1 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	328	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	0.102	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.252)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00372)	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0379)	mg/l	0.01	0.2	

Analysis: 410.4 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	17.1	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.36	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Calcium	411	mg/l	0.361	1	
Iron	9.49	mg/l	0.0064	0.1	
Magnesium	83.9	mg/l	0.0136	0.1	
Potassium	11.5	mg/l	0.111	1	
Sodium	67.0	mg/l	0.0167	1	

Analysis: 6020 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.652	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	3.15	ug/l	1.16	3	
2,4,5-TP(Silvex)	11.7	ug/l	1.24	3	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-11-B

Analysis: 8260B Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	13.6	ug/l	0.735	5	
Chlorobenzene	91.0	ug/l	0.68	5	
1,2-Dichlorobenzene	398	ug/l	0.43	5	
1,3-Dichlorobenzene	10.6	ug/l	0.66	5	
1,4-Dichlorobenzene	104	ug/l	0.935	5	
1,1-Dichloroethene	(1.80)	ug/l	0.985	5	
cis-1,2-Dichloroethene	19.8	ug/l	0.85	5	
Vinyl chloride	13.6	ug/l	0.76	5	

Analysis: NWTPH-DX Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.287	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	565	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-11-D

Analysis: 300.0 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	917	mg/l	5.7	50	
Nitrate	(0.0600)	mg/l	0.0321	0.1	
Sulfate	210	mg/l	0.419	10	

Analysis: 310.1 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	439	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.104)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0437	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	33.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.85	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.196	mg/l	0.0434	0.1	
Calcium	219	mg/l	0.361	1	
Iron	0.586	mg/l	0.0064	0.1	
Magnesium	80.2	mg/l	0.0136	0.1	
Potassium	11.4	mg/l	0.111	1	
Sodium	468	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	9.84	mg/l	0.00149	0.02	

Analysis: 8151MOD Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4,5-TP(Silvex)	15.7	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,3-Dichlorobenzene	(0.260)	ug/l	0.132	1	
cis-1,2-Dichloroethene	(0.230)	ug/l	0.17	1	
Trichloroethene	(0.660)	ug/l	0.241	1	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-11-I

Analysis: 300.0 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	42.6	mg/l	0.57	5	
Sulfate	(0.370)	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	517	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	4.09	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	6.09	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00677)	mg/l	0.00141	0.01	

Analysis: 376.2 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0345)	mg/l	0.01	0.2	

Analysis: 405.1 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
BOD	20.2	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	39.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	7.99	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0599)	mg/l	0.0434	0.1	
Calcium	124	mg/l	0.0722	0.2	
Iron	37.7	mg/l	0.0064	0.1	
Magnesium	52.0	mg/l	0.0136	0.1	
Potassium	6.37	mg/l	0.111	1	
Sodium	25.1	mg/l	0.0167	1	

Analysis: 6020 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	1.88	mg/l	0.000298	0.004	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	46600	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-11-S

Analysis: 300.0 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	7.24	mg/l	0.057	0.5	
Nitrate	(0.0400)	mg/l	0.0321	0.1	
Nitrite(as N)	(0.0800)	mg/l	0.0113	0.1	
Sulfate	16.5	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	246	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	3.23	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	3.68	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00494)	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	23.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	6.16	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.987	mg/l	0.0434	0.1	
Calcium	40.0	mg/l	0.0361	0.1	
Magnesium	(0.0171)	mg/l	0.0136	0.1	
Potassium	12.5	mg/l	0.111	1	
Sodium	75.8	mg/l	0.0167	1	

Analysis: 6020 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	(0.000273)	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
2,4-D	(1.40)	ug/l	1.31	3	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-11-S

Analysis: 8260B Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(0.830)	ug/l	0.147	1	
Ethylbenzene	(0.170)	ug/l	0.11	1	
Toluene	(0.940)	ug/l	0.155	1	
1,2,4-Trimethylbenzene	(0.280)	ug/l	0.0884	1	
1,3,5-Trimethylbenzene	(0.220)	ug/l	0.157	1	
m,p-Xylene	(0.590)	ug/l	0.295	2	
o-Xylene	(0.370)	ug/l	0.187	1	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2390	ug/l	52	52	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-18-D

Analysis: 300.0 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	4.22	mg/l	0.057	0.5	
Nitrate	1.67	mg/l	0.0321	0.1	
Sulfate	19.7	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	106	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.199)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.292	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	6.54	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	(0.827)	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.652	mg/l	0.0434	0.1	
Calcium	24.4	mg/l	0.0361	0.1	
Iron	0.999	mg/l	0.0064	0.1	
Magnesium	12.1	mg/l	0.0136	0.1	
Potassium	2.61	mg/l	0.111	1	
Sodium	13.0	mg/l	0.0167	1	J

Analysis: 6020 (Dissolved) Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00284	mg/l	0.00042	0.001	
Chromium (Dissolved)	0.00264	mg/l	0.00072	0.001	
Nickel (Dissolved)	0.00217	mg/l	0.000376	0.002	
Vanadium (Dissolved)	0.0246	mg/l	0.000601	0.005	

Analysis: 6020 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00358	mg/l	0.00042	0.001	
Copper	0.00212	mg/l	0.000788	0.002	
Lead	(0.000470)	mg/l	0.000224	0.001	
Manganese	0.0174	mg/l	0.000149	0.002	
Vanadium	0.0246	mg/l	0.000601	0.005	J
Zinc	(0.00459)	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-18-I

Analysis: 300.0 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	3.60	mg/l	0.057	0.5	
Nitrate	1.56	mg/l	0.0321	0.1	
Sulfate	15.7	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	87.0	mg/l	0.428	5	

Analysis: 351.2 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.141)	mg/l	0.0948	0.5	

Analysis: 365.2 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.136	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	5.15	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	(0.783)	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	1.42	mg/l	0.0434	0.1	
Calcium	19.1	mg/l	0.0361	0.1	
Iron	2.83	mg/l	0.0064	0.1	
Magnesium	9.42	mg/l	0.0136	0.1	
Potassium	2.31	mg/l	0.111	1	
Sodium	14.6	mg/l	0.0167	1	J

Analysis: 6020 (Dissolved) Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)	0.00236	mg/l	0.00042	0.001	
Chromium (Dissolved)	0.00243	mg/l	0.00072	0.001	
Copper (Dissolved)	(0.00132)	mg/l	0.000788	0.002	
Lead (Dissolved)	(0.000610)	mg/l	0.000224	0.001	
Nickel (Dissolved)	0.00255	mg/l	0.000376	0.002	
Vanadium (Dissolved)	0.0227	mg/l	0.000601	0.005	
Zinc (Dissolved)	0.0153	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00357	mg/l	0.00042	0.001	
Copper	0.00279	mg/l	0.000788	0.002	
Lead	0.00135	mg/l	0.000224	0.001	
Manganese	0.0426	mg/l	0.000149	0.002	
Vanadium	0.0247	mg/l	0.000601	0.005	
Zinc	0.0158	mg/l	0.0015	0.005	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-19-D

Analysis: 300.0 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1250	mg/l	5.7	50	
Sulfate	106	mg/l	4.19	100	

Analysis: 310.1 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	449	mg/l	0.428	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)	(0.0152)	mg/l	0.0112	0.05	

Analysis: 365.2 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.122	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	18.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.28	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	0.120	mg/l	0.0434	0.1	
Calcium	448	mg/l	0.361	1	
Iron	0.221	mg/l	0.0064	0.1	
Magnesium	185	mg/l	0.136	1	
Potassium	16.8	mg/l	0.111	1	
Sodium	186	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.589	mg/l	0.000149	0.002	

Analysis: 8151MOD Sample Date: 04/20/05 Time: 10:51

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	6.39	ug/l	1.16	3	
2,4,5-TP(Silvex)	27.4	ug/l	1.24	3	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-19-D

Analysis: 8260B Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(1.45)	ug/l	0.735	5	
Chlorobenzene	188	ug/l	0.68	5	
1,2-Dichlorobenzene	626	ug/l	0.43	5	
1,3-Dichlorobenzene	20.0	ug/l	0.66	5	
1,4-Dichlorobenzene	192	ug/l	0.935	5	
1,1-Dichloroethene	(2.45)	ug/l	0.985	5	
cis-1,2-Dichloroethene	8.95	ug/l	0.85	5	
trans-1,2-Dichloroethene	(1.40)	ug/l	0.875	5	
Trichloroethene	6.70	ug/l	1.2	5	
Vinyl chloride	27.4	ug/l	0.76	5	

Analysis: NWTPH-DX Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.424	mg/l	0.153	0.25	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	1120	ug/l	1.2	1.2	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-19-I

Analysis: 300.0 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	2040	mg/l	5.7	50	
Sulfate	65.9	mg/l	0.0419	1	

Analysis: 310.1 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	373	mg/l	0.428	5	

Analysis: 365.2 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0651	mg/l	0.00141	0.01	

Analysis: 410.4 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
COD	19.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.72	mg/l	0.117	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aluminum	(0.0610)	mg/l	0.0434	0.1	
Calcium	479	mg/l	0.361	1	
Iron	0.266	mg/l	0.0064	0.1	
Magnesium	178	mg/l	0.136	1	
Potassium	21.2	mg/l	0.111	1	
Sodium	625	mg/l	0.167	10	

Analysis: 6020 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	19.4	mg/l	0.00298	0.04	

Analysis: 8151MOD Sample Date: 04/20/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Dichlorprop	3.76	ug/l	1.16	3	
2,4,5-TP(Silvex)	17.5	ug/l	1.24	3	

Analysis: 8260B Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Benzene	(0.950)	ug/l	0.735	5	
Chlorobenzene	107	ug/l	0.68	5	
1,2-Dichlorobenzene	419	ug/l	0.43	5	
1,3-Dichlorobenzene	12.9	ug/l	0.66	5	
1,4-Dichlorobenzene	124	ug/l	0.935	5	
1,1-Dichloroethene	(2.10)	ug/l	0.985	5	
cis-1,2-Dichloroethene	6.65	ug/l	0.85	5	
Trichloroethene	(4.45)	ug/l	1.2	5	
Vinyl chloride	19.7	ug/l	0.76	5	

Analysis: NWTPH-DX Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.287	mg/l	0.153	0.25	

Table 4
Final Validated Spring 2005 Groundwater Characterization Event Analytical Results
Detections Only
RP - Portland Site

W-19-I

Analysis: RSK 175 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	859	ug/l	1.2	1.2	

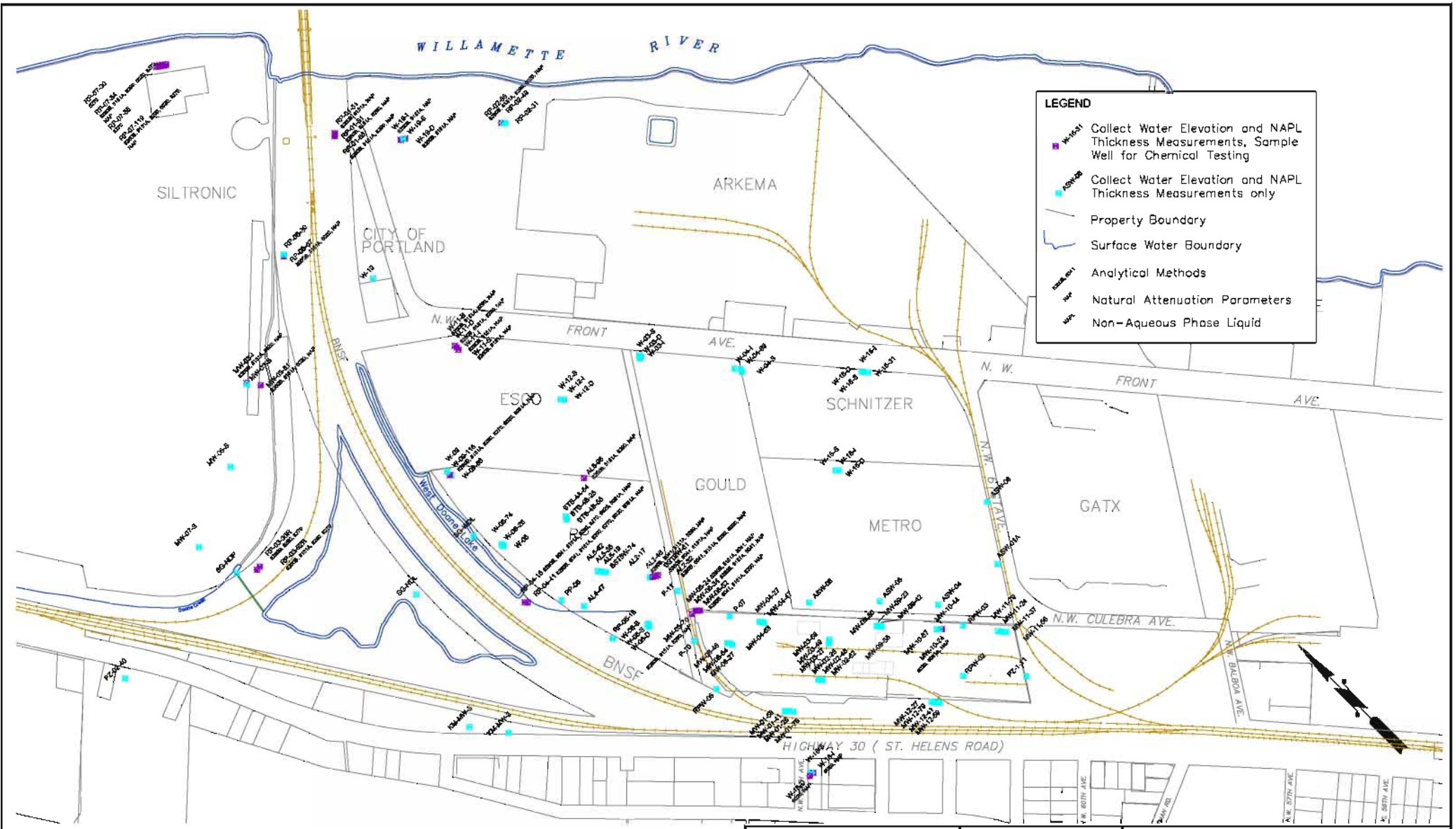
Definitions

( )	Estimated concentration that is greater than the MDL but less than the MRL.
MDL	Method Detection Limit
MRL	Method Reporting Limit
mg/l	milligrams per liter (ppm)
ug/l	micrograms per liter (ppb)
pg/l	picograms per liter (ppq)
cfu/ml	colony forming units per milliliter

Analytical Qualifiers

U	The analyte was not detected above the method detection limit or quantitation limit. In the case of blank contamination, the analyte is considered to be less than the stated result.
J	The analyte was positively identified, but the associated concentration is an estimate.
N	Presumptive evidence of analyte presence was detected, but not all identification criteria were met. The presence of the analyte and the associated numerical concentration are both uncertain.
R	Results for the analyte are unusable due to serious deficiencies in the sample analysis. The presence or absence of the analyte cannot be verified.

FIGURE



amec

7376 SW Durham Road
Portland, OR, U.S.A. 97224

W.O.	0-61M-107030T43
DESIGN	LG/TARW
DRAWN	DD
DATE	APRIL 2004
SCALE	1"=350'

FIGURE 1
POST-CHARACTERIZATION GROUNDWATER SAMPLING AND MEASUREMENT LOCATIONS

RP - PORTLAND SITE

AMEC DRAWING NO. K:\10000\10700\10703\Task 43 Groundwater Monitoring\Post Characterization GM Plan\Final PCGMP\FIG-1 POST-CHAR GW SAMPLING MEAS LOC DWG

APPENDIX A

Completed Groundwater Sampling Field Forms, Spring 2005
Post-Characterization Groundwater Monitoring Event

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 06IM107030 T43 Monitoring/Sampling Date: 4/21/05

Monitoring Well ID: AL2-32 | Field Personnel: J Rock, McGillicuddy, Glowk
Start Time: 1312 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0.2 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/21/05
Date/Time of Measurement: 4/21/05 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 31.5 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 14.99
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): —
Casing Diameter (in.): 2"
Quantity of Free Product Collected (gal.): 0

Conversions Factors (casing dia. = gallons/linear ft) Circle One
0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x =
Method of Collecting Free Product: NA

Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23.59)
	1	16.41	6.68	6029	Turbid	0.29	-86.7	13:20
	3	15.93	6.54	6247	Cloudy	0.61	-93.3	13:24
	5	15.96	6.54	6250	Clear	0.22	-98.1	13:28
	7	15.96	6.52	6255		0.16	-99.6	13:32
					Bel			

Total Purged = 7L | Purge Pumping Rate (approx. L/m): .5 L/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.6 | Decontamination Method: MeOH, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: TCP Treatment Plant
Instrument Calibration Date & Time: 4/21/05 830 | Approx. Pump/Intake Depth: 30'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1313 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump, Teflon Bailer Peristaltic Pump Other: Dual Valve
Chain-of-Custody #s:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
1324-01	27	Various	Various	NCA, STL, FGL	Courier	Various
0024-02	1	40ml	HCL	NCA	L	8260B

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate

Sampler (Print): Jim Rock | Sampler Signature: [signature] | Date Signed: 4/21/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0214-01	4	VOA	HCL	NCA	Courier	8260B
	2	l	None	↓	↓	Phenols 8270C
	2	l	None	↓	↓	Herbicides 8151A
	2	l	None	STL	↓	Dioxins/Furans
	2	250	HNO3	NCA	↓	Total & Diss. Metals
	1	1l	—	EQL	↓	Total Plate Count, Diesel Bact.
	1	l	None	NCA	↓	Alk, Cl, NO3, NO2, SO4, O-Phos
	1	500	H2SO4	↓	↓	NH3, TKN, TOC, COD
	1	l	None	↓	↓	BOD
	1	250	2 drops NaOH	↓	↓	Sulfide
	1	250	HNO3	↓	↓	Major Cations
	2	l	HCL	↓	↓	NWTPH-DX
	4	VOA	HCL	↓	↓	Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 061M107030743 Monitoring/Sampling Date: 5/6/05

Monitoring Well ID: A12-46 | Field Personnel:

Start Time: 1235 | Weather Conditions: Partly Cloudy | Approx. Air Temp (F): 55°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: Ø In well Casing: Ø | PID Calibration Standard: Isobutylene

%LEL Background: Ø In well Casing: Ø | PID Calibration Date: 5/6/05

Date/Time of Measurement: 5/6/05 1240 | Depth to Water Measuring Technique: Solinst

Depth Well Bottom (TOC - ft.): 46 | Detection Method of Free Product: NA

Depth to Water Level (TOC - ft.): 15.41 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One

Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37

Calculated Column Height (ft.): | 4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88

Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =

Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA

Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	15.66	6.87	1788	Clear	Ø.16	69.3	12:50
	3	15.55	6.88	1814		Ø.11	-82.1	12:54
	5	15.52	6.89	1772		Ø.21	-87.2	12:58
	7	15.49	6.89	1779		Ø.18	-90.1	13:02
					Ø.7			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low

Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve

Ferrous Iron (ppm): 2.4 | Decontamination Method: Alcohol, Methanol, DI rinses

Instrument Type & Number: YSI #4 | Water Disposal: RP Treatment System

Instrument Calibration Date & Time: 5/6/05 12:20 | Approx. Pump/Intake Depth: 44'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:

Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced

Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired

Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired

Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 5/6/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO

Time Sampled: 13:03 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump

Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
026-01	2	1	None	NCA	Courier	Phenols
026-06	2	1	None	STL	Courier	Phenols

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: | Date Signed: 5/6/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION:

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 061M10703D Monitoring/Sampling Date: 4/25/05

Monitoring Well ID: AL 2-46 | Field Personnel: T Rock, T Fasso, B McGillicuddy
Start Time: 0:30 | Weather Conditions: Rainy | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.2 In well Casing: 0.3 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/25/05
Date/Time of Measurement: 4/25/05 / 9:36 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 48.3 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 15.24 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): — | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x _____ = _____
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: No No | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS/(mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	15.03	6.84	16.64	Clear	.32	-125.2	9:53
	3	15.07	6.87	17.04		.35	-131.4	9:58
	5	15.08	6.87	16.96		.81	-132.9	10:02
	7	15.07	6.87	16.85		.96	-133.1	10:06
					6.2			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.6 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/25/05 8:00 | Approx. Pump/Intake Depth: 43'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 10:07 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
026-01	36	Various	Various	NCA, STL, F&L	Courier	Various
026-02	8	l	None	NCA	Courier	VOCs
026-06	8	l	None	STL	Courier	Metals

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: _____

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): T. Rock | Sampler Signature: [signature] | Date Signed: 4/25/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | Additional Chain-of-Custody #s:
Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
026-01	2	VOA	HCL	NCA		8260B
	4	l	None	↓		Phenols 8270C
	4	l	None	↓		Herbicides
	2	l	None	STL		Dioxins / Furans
	1	100ml	—	FOL		Total Plate Count / Total Rect
	1	l	None	NCA		Alk, NO_3, Na, SO_4, OPhos
	1	500	H_2SO_4	↓		Alk, TKN, TOC, COD
	1	l	None			BOD
	1	250	NaOH+NaOH			Sulfide
	1	250	HNO_3			Major Cations
	2	l	HCL			NaOH-Dis
	4	VOA	HCL	↓		Methane
026-02	4	VOA	HCL	NCA		8260B
	2	l	None			Phenols
	2	l	None	↓		Herbicides
026-06	4	VOA	HCL	STL		8260B
	2	l	None			Phenols
	2	l	None	↓		Herbicides

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 01610780843 Monitoring/Sampling Date: 4/22/2005

Monitoring Well ID: AL-96 | Field Personnel: L. Gromer B. McCullough, J. Cole
Start Time: 0923 | Weather Conditions: Sunny, breezy | Approx. Air Temp (F): 59°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.1 | In well Casing: 0.4 | PID Calibration Standard: ~~4/22~~ Isobutylene
%LEL - Background: — | In well Casing: — | PID Calibration Date: 4/22/2005
Date/Time of Measurement: 4/22/2005 0919 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 97
Depth to Water Level (TOC - ft.): 16.76 | Detection Method of Free Product: NA
Depth to Free Product (TOC - ft.): NA | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Calculated Column Height (ft.): | 0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37 | 4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x _____ = _____
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: ND | Observation of DNAPL: No

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity mS/cm	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.55	6.64	2479	Moderate	0.89	-57.8	0927
	3	14.75	6.58	2478	Slight	0.38	-58.2	0931
	5	14.79	6.58	2484		0.38	-57.4	0935
	7	14.77	6.58	2455	Clear	0.33	-54.6	0939
	9	14.67	6.58	2517		0.48	-51.5	0943
					1.0			

Total Purged = 9 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / (Low)
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual valve
Ferrous Iron (ppm): 2.2 | Decontamination Method: Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/22/2005 0815 | Approx. Pump/Intake Depth: 94'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel (PVC) Other:
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/22/2005 | QA/QC Sample (circle one): (YES) / NO | Water Chemistry Sample: (YES) / (NO)
Time Sampled: 0945 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2074, 2079 | Teflon Bailer Peristaltic Pump Other: Dual valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
025-01						
025-02						
025-06						

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Sampler Signature: Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/22/2005 | Additional Chain-of-Custody #s:

Time Sampled: 0945

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
025-01	8	40ml	HCL	NCA	AMEC	8260B
025-06	2	↓		STL		↓
026-02	4	↓	↓	NCA		
025-01	4	1L	NONE	NCA		8151A
025-06	2	↓	↓	STL		↓
025-02	2	↓	↓	NCA		↓
025-01	4	1L		↓		8290
025-02	2	1L				
025-06	2	1L	↓	STL		↓
025-01	1	100ml	Sterile	FGL		SM9215
025-01	1	1L	NONE	NCA		310.1, 300
	1	500ml	H_2SO_4			350.3, 415.2, 410.4
	1	1L	NONE	↓		405.1
	1	250ml	Zn Ac + NaOH			376.2
	1	250ml	HNO_3			200.7/200.8
	2	1L	HCL	↓		NWTPH-DX
						ILSK 175
025-06	2	1L	NONE	ENDLINES		8290

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 0-61M-107030-T43 Monitoring/Sampling Date: 4/25/05

Monitoring Well ID: BSTMW-61 | Field Personnel: S. Rock, C. Glaat, B. Mellinkoff
Start Time: 1115 | Weather Conditions: Rainy | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.2 In well Casing: 7.5 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/25/05
Date/Time of Measurement: 4/25/05 1010 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 61 - | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 14.74
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 2"

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88

Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity uS (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.99	6.79	1264	cloudy	1.83	-101.1	11:19
	3	15.01	6.78	1381	Clear	.41	-114.6	11:23
	5	15.04	6.75	1461		.80	-117.3	11:27
	7	15.05	6.74	1462		.71	-117.3	11:31
					4.6			

Total Purged = 7 liters | Purge Pumping Rate (approx. L/m): .5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.5 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/25/05 | Approx. Pump/Intake Depth: 59'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1131 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0237-01	20	various	various	NA Eco	Courier	various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Tim Rock | Sampler Signature: [signature] | Date Signed: 4/25/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
527-01	4	VOA	HCl	NCA	courier	8260B
	2	1	None	↓	↓	Phenols
	2	1	None	↓	↓	Herbicides
	1	110	—	FGL	↓	Total Fluid Count, Dwell Bact
	1	1	None	NCA	↓	Alk, Cl, NO_2, NO_3, SO_4, o-Phos
	1	500	H_2SO_4	↓	↓	NH_3, TKN, TOC, COD
	1	1	None	↓	↓	BOD
	1	250	ZnAc, NaOH	↓	↓	Sulfide
	1	250	HNO_3	↓	↓	Metals - Cations
	2	1	HCl	↓	↓	NWTPH-Dx
	4	VOA	↓	↓	↓	Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 0-61M-107030-T43 Monitoring/Sampling Date: 4/21/05

Monitoring Well ID: MW-03-I | Field Personnel: J Rock, BM, Gillicuddy, L. Glowek
Start Time: 1223 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: Ø In well Casing: Ø | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/21/05
Date/Time of Measurement: 4/21/05 12:05 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 20.35 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~(mS)~~ uS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.67	6.72	1412	Clear	4.34	-59.2	1226
	3	12.27	6.43	1652		.14	-104.1	1230
	5	12.26	6.44	1653		.16	-106.1	1234
	7	12.27	6.45	1658		.40	-107.2	1238
					5.1			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other: Dual Valve
Ferrous Iron (ppm): 3.2 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #J | Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/21/05 930 | Approx. Pump/Intake Depth:

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | QA/QC Sample (circle one): YES NO | Water Chemistry Sample: YES NO
Time Sampled: 1239 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
610-01	2	1	None	NCA	Courier	Herbicides

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES NO
Field Observations/Notes of Sampling Event: Resample.

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: LP Project #: 06IM10703 P43 Monitoring/Sampling Date: 4/14/2005

Monitoring Well ID: MW-3-I | Field Personnel: L. Clover, J. Hunter, J. Roth
Start Time: 1510 | Weather Conditions: sunny, breezy | Approx. Air Temp (F): 50F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.3 In well Casing: 0.4 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/14/2005
Date/Time of Measurement: 4/14/2005 1510 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 69 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 20.37 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 48.63 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 4" | Three Well Purge Volumes (gallons) = 3 x ____ = ____
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.3	6.47	1880	clear	0.14	103.9	1511
	3	12.25	6.48	1859	↓	0.17	-103.4	1515
	5	12.26	6.48	1820	↓	0.31	-99.6	1519
	7	12.42	6.49	1765	↓	0.34	-92.5	1523
					not tested			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual valve
Ferrous Iron (ppm): not tested | Decontamination Method: Methanol/Alconox/DI
Instrument Type & Number: YSI #3 | Water Disposal: Water Treatment Plant
Instrument Calibration Date & Time: 4/14/2005 0845 | Approx. Pump/Intake Depth: 67.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1523 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2,2073 | Teflon Bailer Peristaltic Pump Other: Dual valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0g-01	19	various	various	NCA	Courier	Various
↓	1	1 liter	Stone	FQL	↓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA CLOVER | Sampler Signature: [signature] | Date Signed: 4/14/2005

J. Hunter
J. Roth
John Roth

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/2005
Time Sampled: 1323

Additional Chain-of-Custody #s:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
010-01	4	40ml		NCA	Courier	8260B
	2	1L		↓	↓	8151A
	2	250ml				TDS + DISS 6010/6020 7470A
	1	100ml	Store	EBL		5009215
	1	1L		NCA		310.1, 300.0
	1	500ml		↓		350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				3-6.2
	1	250ml				200.7/2008
	2	1L				NWTPH-DX
	4	40ml		↓	↓	RSK175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: LP Project #: 06/M10703aP43 Monitoring/Sampling Date: 4/13/2005

Monitoring Well ID: MW-10-24 | Field Personnel: Lloyd, J. Lock
Start Time: 1400 | Weather Conditions: | Approx. Air Temp (F):

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/13/2005

Date/Time of Measurement: 4/13/2005 / 1405 | Depth to Water Measuring Technique:
Depth Well Bottom (TOC - ft.): 17.2 | Detection Method of Free Product:
Depth to Water Level (TOC - ft.): 12.2 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 4.99 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS) µS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	0.8	13.35	6.64	331	Moderate	1.94	144.5	1412
	2.4	13.86	6.45	330	Slight	1.75	148.1	1416
	4.0	13.90	6.43	336	↓	1.64	146.4	1420
	5.6	13.71	6.40	343	↓	1.58	145.1	1424
					12.9			

Total Purged = 5.6 | Purge Pumping Rate (approx. L/m): 0.9 L/m | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 0.0 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: Water Treatment Plant
Instrument Calibration Date & Time: 4/13/2005 0915 | Approx. Pump/Intake Depth: 17.4

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/13/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1424 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 1, 1A, 1B | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
004-01		voa		NA	Courier	Vanstop
004-02	4			↓		8081, 6010/6020/7470A
004-03	4	↓			↓	8081, 6010/6020/7470A
004-01	1	1 liter		FQ		SM 9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted. YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Lloyd Sloner | Sampler Signature: Lisa Loker | Date Signed: 4/13/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
001-01	4	VOA		NEA		6010/6020/7470A + 8081A
001-02	4					
001-dup	4					
001-01	1	1L		FGL		SM9215
001-01	1	1L		NEA		310.1, 300.0
	1	500mL				350.3, 9252, 410.4
	1	1L				450.1
	1	250mL				376.2
	1	250mL				200.7/200.8
	2	1L				NWTPH-Dx
	4	40mL				RSK175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 0-61M-107030-T43 Monitoring/Sampling Date: 4/21/05

Monitoring Well ID: MW-03-81 | Field Personnel: J Rock, B McGillicuddy, L Glorek
Start Time: 11:59 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/21/05
Date/Time of Measurement: 4/21/05 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 81' | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 18.01
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 2"
Quantity of Free Product Collected (gal.): 0

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x _____ = _____
Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity mS (~~mS~~)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.65	6.66	700	Turbid	.11	-129.6	12:03
	3	12.69	6.59	691	Clearing	.09	-129.6	12:07
	5	12.71	6.57	688	Clear	.10	-131.3	12:11
	7	12.70	6.58	690	"	.10	-132.4	12:15
					40.6			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.4 | Decontamination Method: Methanol, Alconox, DF
Instrument Type & Number: YSI 63 | Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/21/05 830 | Approx. Pump/Intake Depth: 77'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1215 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
009-01	2	1	None	NCA	Courier	Herbicides 8151A

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resample

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: [signature] | Date Signed: 4/21/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06M10780P43
Monitoring/Sampling Date: 4/14/2005

Monitoring Well ID: MW-03-8 | Field Personnel: L. Gleason, J. Roth, S. Hamner
Start Time: 1415 | Weather Conditions: Sunny, breezy | Approx. Air Temp (F): 80

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.4 | In well Casing: 0.5 | PID Calibration Standard: Isobutylene
%LEL Background: — | In well Casing: — | PID Calibration Date: 4/14/2005
Date/Time of Measurement: 4/14/2005 1411 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 81 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 19.63 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
Calculated Column Height (ft.): 61.37 | 4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x ___ = ___
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.28	6.60	793	high	0.13	-119.8	1426
	3	12.14	6.51	783	slight	0.12	-118.9	1430
	5	12.29	6.48	780	clear	0.12	-118.7	1434
	7	12.41	6.50	778	↓	0.13	-118.7	1436
					19.2			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / (Low)
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual valve
Ferrous Iron (ppm): 2.4 | Decontamination Method: Methanol / Alconox DI
Instrument Type & Number: VSI #3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/14/2005 0800 | Approx. Pump/Intake Depth: 74.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel (PVC) Other: ___
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/2005 | QA/QC Sample (circle one): YES (NO) | Water Chemistry Sample (YES) NO
Time Sampled: 1436 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2, 2073 | Teflon Bailer Peristaltic Pump Other: Dual valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
009-01	19	various	various	NEA	courier	various
009-01	1	100ml	sterile	FQL	↓	5019215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: (YES) / NO
Field Observations/Notes of Sampling Event: well water black when first pumped from well

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLEASON Sampler Signature: [signature] Date Signed: 4/14/2005
Sam Hamner John Roth

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 6/14/2005 | Additional Chain-of-Custody #s:

Time Sampled: 14 30

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
[illegible]-1	4	40ml		NCA	Courier	8260B
	2	1L				8151A
	2	250ml				Tot + Diss metals [illegible]
	1	110ml	Stock	FGL		M9215
	1	1L		NCA		310.1, 300.0
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				376.2
	1	250ml				200.7/200.8
	2	1L				NWTPHDX
	4	40ml				RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 061M10703 P43
Monitoring/Sampling Date: 4/26/2005

Monitoring Well ID: MW-05-24 | Field Personnel: [illegible], Jack B. McGillicuddy
Start Time: 1055 | Weather Conditions: Cloudy | Approx. Air Temp (F): 55°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.4 In well Casing: 34 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/26/2005
Date/Time of Measurement: 4/26/2005 / 0956 | Depth to Water Measuring Technique: IP
Depth Well Bottom (TOC - ft.): 24.5 | Detection Method of Free Product: IP
Depth to Water Level (TOC - ft.): 8.44
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 16.36
Casing Diameter (in.): 2
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: NO | Observation of DNAPL: NA

Conversions Factors (casing dia. = gallons/linear ft.) Circle One

0.75" = 0.02	1" = 0.04	2" = 0.17	3" = 0.37
4" = 0.66	6" = 1.47	8" = 2.61	12" = 5.88

Three Well Purge Volumes (gallons) = 3 x ____ = ____

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~(mS)~~ uS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.32	7.09	1089	Clear	0.08	85.1	1057
	3	13.42	6.97	1096	↓	0.03	99.7	1101
	5	13.55	6.89	1095	↓	-0.05	74.6	1105
	7	13.63	6.88	1103	↓	0.01	66.6	1109
	9	13.64	6.86	1102	↓	0.02	46.6	1113
					5.3			

Total Purged = 9 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Teflon Bailer / Dual Valve
Ferrous Iron (ppm): 0.6 | Decontamination Method: Liquinox / Methanol / DI
Instrument Type & Number: YSI #1 (orange) | Water Disposal: Water Treatment Plant
Instrument Calibration Date & Time: 4/26/2005 0815 | Approx. Pump/Intake Depth: 17'

WELL CONDITION

Casing (circle one): Stainless Steel / Carbon Steel / PVC / Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1115 | Sampling Method (circle one): SS Bailer / Poly Bailer / Grunfos Pump / Teflon Bailer / Peristaltic Pump / Other: Dual Valve
Chain-of-Custody #s: 2081, FQL

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
03-01	19	various	various	NCA	Courier	various see back
↓	1	1 liter	Steam	FQL	↓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): USA Grover | Sampler Signature: [signature] | Date Signed: 4/26/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | Additional Chain-of-Custody #s.

Time Sampled: 1115 | 2081, FOL

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
031-01	4	40ml	HCL	NCA	courier	8260B
	2	1L	NONE	↓		8290C
	2	1L	↓	↓		8151A
	1	110ml	Sterile	FOL		SM9215
	1	1L	NONE	NCA		310.1, 300.0
	1	500ml	H_2SO_4			350.3, 416.2, 4104
	1	1L	NONE			405.1
	1	250ml	2NaOH+NaOH			376.2
	1	250ml	HNO_3			200.7/200.8
	2	1L	HCP			NWTPH-Dx
↓	4	40ml	↓	↓	↓	8510/75

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06M10980 P43
Monitoring/Sampling Date: 4/26/2005

Monitoring Well ID: MW-05-34 | Field Personnel: L. Clouse, J. Rock, B. McGillicuddy
Start Time: 1154 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.9 In well Casing: 35.6 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/26/2005
Date/Time of Measurement: 4/26/2005 / 0957 | Depth to Water Measuring Technique: IP
Depth Well Bottom (TOC - ft.): 34.3 | Detection Method of Free Product: IP
Depth to Water Level (TOC - ft.): 8.53
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 25.77
Casing Diameter (in.): 2
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x =

Observation of sheen or LNAPL: | Observation of DNAPL: NA

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (~~mS~~ µS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.59	6.49	1367	Clear	4.12	113.9	1200
	3	14.58	6.27	1368	↓	0.36	120.6	1204
	5	14.70	5.90	1466	↓	0.18	134.3	1208
	7	14.81	5.75	1509	↓	0.11	138.6	1212
	9	14.82	5.76	1514	↓	0.07	140.3	1216
					8.5			

Total Purged = 9 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / (Low)
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.2 | Decontamination Method: Hose / Methanol / Alconox / DI
Instrument Type & Number: YSI #1 (Orange) | Water Disposal: LV WWTP Treatment Plant
Instrument Calibration Date & Time: 4/26/2005 0815 | Approx. Pump/Intake Depth: 30'

WELL CONDITION

Casing (circle one): (Stainless Steel) Carbon Steel PVC Other:
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | QA/QC Sample (circle one): YES / (NO) | Water Chemistry Sample: YES (NO)
Time Sampled: 1120 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 208 / FOL | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
032-01	9	various	various	NCA	Courier	various
↓	1	1Lm	Sterile	FGL	↓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted (YES) / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Lisa Clouse Sampler Signature: Lisa Clouse Date Signed: 4/26/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | Additional Chain-of-Custody #s: 2081, FQL

Time Sampled: 1220

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
OB2-01	4	40ml	HCL	NCA	courier	8260B
	2	1L	NONE	↓	↓	8270C
	2	1L	↓	↓	↓	8151A
	1	100ml	Sterile	FQL	courier	SM9215
	1	1L	NONE	NCA		310.1, 300.0
	1	500ml	H_2SO_4			350.3, 415.2, 410.4
	1	1L	NONE			405.1
	1	250ml	ZnAcetate			376.0
	1	250ml	HNO_3			200.7/200.8
	2	1L	HCL	↓	↓	NWTPH-Dx
	2	40ml	↓			RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/MIO 7030 P43
Monitoring/Sampling Date: 4/26/2005

Monitoring Well ID: MW-05-20 | Field Personnel: L. Glover, T. Beck, B. McCullicuddy
Start Time: 1006 | Weather Conditions: cloudy, rain | Approx. Air Temp (F): 55°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 3.2 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/26/2005

Date/Time of Measurement: 4/26/2005 / 0942 | Depth to Water Measuring Technique: EP
Depth Well Bottom (TOC - ft.): 71 | Detection Method of Free Product: EP
Depth to Water Level (TOC - ft.): 11.80
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 59.2
Casing Diameter (in.): 2

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88

Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.31	7.67	1178	clear	1.92	153.0	1009
	3	14.72	7.78	1183	↓	0.36	146.6	1013
	5	14.78	7.85	1187	↓	0.19	135.7	1017
	7	14.82	7.86	1191	↓	-0.38	129.6	1021
	9	14.81	7.90	1194	↓	0.04	129.0	1025
					3.0			

Total Purged = 9 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 0.5 | Decontamination Method: Liquinox / Methanol / Acetone / DI
Instrument Type & Number: YSI #1 Orange | Water Disposal: Water Treatment
Instrument Calibration Date & Time: 4/26/2005 0815 | Approx. Pump/Intake Depth: 67.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1030 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2081, 2080, FQL | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
030-01	17	various	various	AEA	Courier	various
↓	1	100ml	STERILE	FQL	↓	SM9215
↓	2	1L	NONE	STL	↓	8270

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLOVER Sampler Signature: Lisa Glover Date Signed: 4/26/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2006 | Additional Chain-of-Custody #s:

Time Sampled: 1030

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
030-01	4	40ml	HCL	NCA	Courier	8260B
	2	1L	NONE	↓		9251A
	2	1L	↓	STL		8270
	1	40ml	Strong	STL		SM9215
	1	L	NONE	NCA		310.1, 300.0
	1	500ml	H2SO4			350.3, 415.2, 404
	1	1L	NONE			405.1
	1	250ml	Zn/Ac + NaOH			376.2
	1	250ml	HNO3			200.7/200.8
	2	1L	HCL			NWTPH-DX
	4	40ml	HCL			RSK175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/07/07 7030 P43
Monitoring/Sampling Date: 4/26/2005

Monitoring Well ID: MW-05-52 | Field Personnel: L. Glover, J. Rock, B. McCullough
Start Time: 1255 | Weather Conditions: Cloudy | Approx. Air Temp (F):

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.8 In well Casing: 6.6 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/26/2005
Date/Time of Measurement: 4/26/2005 0959 | Depth to Water Measuring Technique: IP
Depth Well Bottom (TOC - ft.): 52.2 | Detection Method of Free Product: IP
Depth to Water Level (TOC - ft.): 10.94
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 41.26
Casing Diameter (in.): 2
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NA

Conversions Factors (casing dia. = gallons/linear ft.) Circle One

0.75" = 0.02	1" = 0.04	2" = 0.17	3" = 0.37
4" = 0.66	6" = 1.47	8" = 2.61	12" = 5.88

Three Well Purge Volumes (gallons) = 3 x =

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~(mS)~~ uS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	15.12	6.59	893	clear	0.57	114.7	1259
	3	15.13	6.63	879	↓	0.18	130.5	1303
	5	15.14	6.66	879	↓	0.14	141.5	1307
	7	15.09	6.69	880	↓	0.14	147.6	1311
	9	15.05	6.37	934	↓	0.12	161.1	1315
					1.7			

Total Purged = 9 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.0 | Decontamination Method: Hexane/Methanol/Alconox/DI
Instrument Type & Number: YSI #1 (orange) | Water Disposal: Rl H2O Treatment
Instrument Calibration Date & Time: 4/26/2005 0815 | Approx. Pump/Intake Depth: 34.5

WELL CONDITION

Casing (circle one): Stainless Steel / Carbon Steel / PVC / Other
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1320 | Sampling Method (circle one): SS Bailer / Poly Bailer / Grunfos Pump
Chain-of-Custody #s: 2081, 2080, FQL | Teflon Bailer / Peristaltic Pump / Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0330-01	19	40ml	Various	NCA	Courier	various - see back
↓	2	1L	None	STL	↓	8290
↓	1	1/2m	Sterile	FQL	↓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Lisa Glover | Sampler Signature: Lisa Glover | Date Signed: 4/26/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/26/2005 | Additional Chain-of-Custody #s:

Time Sampled: 1320 | 2080, 2081, EQL

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
OB-01	4	40ml	HCL	NCA	courier	8260B
	2	1L	NONE	↓		8270C
	2	1L	↓			8151A
	2	1L	NONE	STL		8270
	1	110ml	Sterile	EQL		5030/25
	1	1L	NONE	NCA		310.1, 300.0
	1	500ml	H_2SO_4			350.3, 415.2, 410.4
	1	1L	NONE			405.1
	1	250ml	2NaOH			376.2
	1	250ml	HNO_3			200.7/200.8
	2	1L	HCL			MUTPH-Dx
	4	40ml	HCL	↓	↓	RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: LP
Project #: 01610470 0043
Monitoring/Sampling Date: 4/18/2005

Monitoring Well ID: LP-01-31 | Field Personnel: L Gloner, B McGillicuddy
Start Time: 1253 | Weather Conditions: | Approx. Air Temp (F): 70°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.1 In well Casing: 0.2 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/18/2005
Date/Time of Measurement: 4/18/2005 1230 | Depth to Water Measuring Technique: Sonist
Depth Well Bottom (TOC - ft.): 31.5 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 26.48 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 5.02 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: No | Observation of DNAPL: No

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~(mS/cm)~~ µS	Turbidity (NTUs)	Dissolved Oxygen ~~(mg/L)~~	ORP (mV)	Time (0:00 - 23:59)
	1	12.70	6.55	418	Moderate	3.92	51.6	1257
	3	12.43	6.26	346	↓	3.70	61.7	1301
	5	12.67	6.21	352	Slight	3.32	64.3	1305
	7	12.85	6.25	351	↓	3.03	63.7	1309
					153			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 0.4 | Decontamination Method: Alconox / DI Water
Instrument Type & Number: YSI #3 | Water Disposal: All Water [illegible]
Instrument Calibration Date & Time: 4/18/05 0915 | Approx. Pump/Intake Depth: 29

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/18/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1310 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2074 (NCA), #4 FDL | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
015-01	7	various	various	NCA	Courier	various
↓	1	10ml	Sterile	FDL	↓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): USA Geologist Brian McGillicuddy | Sampler Signature: [signature] | Date Signed: 4/18/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION DATA

Date Sampled: 4/18/2005 | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0505-01	4	40ml				8260B
	2	L				8151A
	1	110ml				SM9215
	1	1L				310.1, 300.0
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				376.2
	1	250ml				200.7/200.8
	2	1L				NWTPH-Dx
✓	4	40ml				RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: RP
Project #: 01011107830843
Monitoring/Sampling Date: 4/18/2005

Monitoring Well ID: RP-01-51 | Field Personnel: L Gloner, B McCillicuddy, M Clark
Start Time: 1209 | Weather Conditions: Cloudy | Approx. Air Temp (F): 50 F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.2 In well Casing: 0.2 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/18/05
Date/Time of Measurement: 4/18/05 / 1208 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 51 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 26.74 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 24.26 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.53	6.72	3100	High	0.28	-160	1213
	3	12.40	6.59	3424	Slight	0.16	-23	1217
	5	12.46	6.56	3527	Clear	0.31	1.4	1221
	7	12.44	6.52	3600	↓	0.91	19.3	1225
					4.3			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Tubing
Ferrous Iron (ppm): 1.1 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: Well water / Feat next
Instrument Calibration Date & Time: 4/18/05 0915 | Approx. Pump/Intake Depth: 47.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/18/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1215 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2637, 2674, #4 (Pac) | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
01-01	17	various	various	NCA	courier	various
~~01-01~~	2	1L	NONE	STL		8290
~~01-01~~	1	100ml	sterile	FGL	↓	SMPS

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLONEK Brendan McCillicuddy | Sampler Signature: Lisa Gloner | Date Signed: 4/18/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION/DATA

Date Sampled: 4/18/2005 | Additional Chain-of-Custody #s:

Time Sampled: 1205

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
01401	4	40ml	HCL	NCA		8260B
	2	1L	NONE	↓		8151A
	2	1L	↓	STL		8290
	1	100ml	stone	EQL		SM 9215
	1	1L		NCA		310.1, 300.0
	1	50ml				350.3, 4152, 410.4
	1	1L				405.1
	1	250ml				376.2
	1	250ml				200.7/200.8
	2	1L				NWTPH-Dx
↓	4	40ml		↓		USK179

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: LP
Project #: 01M10703 Ph 5
Monitoring/Sampling Date: 4/18/2005

Monitoring Well ID: LP-01-06 | Field Personnel: L. Glover, J. Lock, B. McGillicuddy
Start Time: 1120 | Weather Conditions: Cloudy | Approx. Air Temp (F): 50

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.2 In well Casing: 0.2 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/18/05
Date/Time of Measurement: 4/18/05 / 1005 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 66 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 26.41 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 39.59 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.48	4.26	4465	clear	2.17	-25.3	1124
	3	12.31	6.44	4448	↓	0.42	0.4	1128
	5	12.19	6.45	4488	↓	0.15	23.8	1132
	7	12.55	6.45	4604	↓	1.05	37.8	1136
					1.11			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual water
Ferrous Iron (ppm): 0.007 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: Water Treatment Plant
Instrument Calibration Date & Time: 4/18/05 0915 | Approx. Pump/Intake Depth: 61.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/18/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1137 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2022, 2074, 2044 (FOL) | Teflon Bailer Peristaltic Pump Other: Dual water

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
013-01	12	various	various	NCA	courier	various
013-01	2	1L	NONE	STL	↓	8290
013-01	1	100ml	Sterile	FOL		5015
013-03	1	40ml	HCL	NCA	↓	8260B

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event: Control Kit Dead. Had to wait for a new Kit to arrive

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLOVER | Sampler Signature: [signature] | Date Signed: 4/18/2005
Witnessed by: Jason Lock
Brendan McGillicuddy

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
LAB ~~[illegible]~~	4	40ml	HCL	NCA	Courier	8260B
013-01	2	1L	None	↓		8151A
	2	1L	↓	STL		8290
	1	160ml	Sterile	FSL		SM9215
	1	1L	~~AS~~	NCA		310.1, 300.0
	1	500ml		↓		350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				376.2
	1	250ml				200.7, 200.8
	2	1L				CN/TOH-DX
	4	40ml		↓		RSK 175
013-01	1	40ml	HCL	↓		8260B

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 01-8110-7330 T43 Monitoring/Sampling Date: 4/20/05

Monitoring Well ID: RP-02-66 | Field Personnel: J. Rock & [illegible]
Start Time: 9:25 | Weather Conditions: Cloudy | Approx. Air Temp (F): 53

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0.1 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/20/05
Date/Time of Measurement: 4/20/05 / 9:30 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 31.57
Depth to Free Product (TOC - ft.):
Calculated Column Height (ft.):
Casing Diameter (in.): 2"

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x =

Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (µmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.49	5.70	36217	Clear	.78	124.1	9:40
	3	13.72	5.73	36422		1.36	162.2	9:44
	5	13.77	5.73	36479		.48	162.3	9:48
	7	13.76	5.72	36406		.34	160.7	9:52
					18			

Total Purged = | Purge Pumping Rate (approx. L/m): .5 L/m | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Disp Valve
Ferrous Iron (ppm): 2 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Treatment system
Instrument Calibration Date & Time: 4/20/05 900 | Approx. Pump/Intake Depth: 63'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/20/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 9:52 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Disp Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0531-01	2	Amber	None	NCA	Cooler	Herbicides 8151A

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event: Resampled for Herbicides

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: [signature] | Date Signed: 4/20/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 06/M107850 TN3 Monitoring/Sampling Date: 4/20/05

Monitoring Well ID: | Field Personnel: J. Rock B. McGillivray C. Clark

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/01 10780243
Monitoring/Sampling Date: 4/13/2005

Monitoring Well ID: RP-02-#66 | Field Personnel: L. Glover, J. Lock, J. Hamme
Start Time: 0955 | Weather Conditions: sunny | Approx. Air Temp (F): 42°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.0 | PID Calibration Standard: 100ppm
%LEL Background: — In well Casing: — | PID Calibration Date: 4/13/2005
Date/Time of Measurement: 4/13/2005 / 0955 | Depth to Water Measuring Technique: solinst
Depth Well Bottom (TOC - ft.): 66.5 | Detection Method of Free Product: — NA
Depth to Water Level (TOC - ft.): 30.65 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 35.85 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~(mS)~~ uS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1.5	13.77	5.79	39930	clear	1.52	177.3	1009
	3.5	13.78	5.78	39868	↓	0.62	176.3	1013
	5.5	13.76	5.78	39873	↓	0.46	175.6	1017
	7.5	13.80	5.78	39924	↓	0.32	173.0	1021
					0.26			

Total Purged = 7.5 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 0.2 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: #29 YSI | Water Disposal: LA Water Treatment Plant
Instrument Calibration Date & Time: 4/13/05 0915 | Approx. Pump/Intake Depth: 63 feet

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs: NONE

SAMPLING INFORMATION / DATA

Date Sampled: 4/13/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1021 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 1A 2072 | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
001-01	19	various	various	LCA	courier	various
001-01	2	1L	unpreserved	STL	courier	Dioxins
001-01	1	110mL	HCl	Food Quality	courier	m 1215

All samples were immediately placed into a cooler and packed with Ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event: —

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Hamme LISA GLOVER | Sampler Signature: [signature] | Date Signed: 4/13/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/13/2005 | Additional Chain-of-Custody #s:

Time Sampled: 1021

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
001-01	4	40ml		NCA		8260B
	2	1L		↓		8151A
	2	1L		STL		8290
	2	250ml		MA		1010/6020/7470 TH+DISS
	1	100ml		FQL		SM 9215
	1	1L		NCA		310.1, 300.0
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250				326.2
	1	250				200.7, 200.8
	2	1L				MNTOH-DS
✓	4	40ml		↓		RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M3070030 J43
Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: RP-03-52R | Field Personnel: J. Rock, B. [illegible] by L. [illegible]
Start Time: | Weather Conditions: Sunny | Approx. Air Temp (F): 55

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.1 In well Casing: 0.1 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/19/05
Date/Time of Measurement: 4/19/05 1005 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 52' | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 18.29 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 (2" = 0.17) 3" = 0.37
Calculated Column Height (ft.): 33.71 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (µmhs)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.80	6.28	1132	clear	.51	29.1	10:10
	3	12.77	6.28	1124		.50	53.6	10:14
	5	12.77	6.25	1110		.70	57.1	10:18
	7	12.81	6.26	1110		.70	57.2	10:22
					4.74			

Total Purged = 7 L | Purge Pumping Rate (approx. L/m): .5 L/min | Well Yield: (High) / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 0.4 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI # 3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/19/05 900 | Approx. Pump/Intake Depth: 50'

WELL CONDITION

Casing (circle one): (Stainless Steel) / Carbon Steel / (PVC) / Other:
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/19/05 | QA/QC Sample (circle one): (YES) / NO | Water Chemistry Sample: (YES) / NO
Time Sampled: 10:23 | Sampling Method (circle one): SS Bailer / Poly Bailer / Grunfos Pump / Teflon Bailer / Peristaltic Pump / Other: Dual Valve Pump
Chain-of-Custody #s:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
017-01	10	various	various	WLA	Courier	various
017-02	2	1	None	L	Courier	PAH's
017-06	40	1	None	STL	Courier	PAH's, DEOXINS

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: (YES) / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: [signature] | Date Signed: 4/19/05

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: RP
Project #: 06IM107030 743
Monitoring/Sampling Date: 4/14/05

Monitoring Well ID:
Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/05
Time Sampled: 10:33
Additional Chain-of-Custody #s:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
017-01	4	VOA	HCL	NCA	Courier	8260B
	2	Amber	None	↓	↓	Herbicides
	2	Amber	None	STL	↓	Dioxins / Furans
	2x4	Amber	None	NCA	↓	PAH's
017-02	2	Amber	None	NCA	↓	PAH's
017-06	2	Amber	None	~~ACA~~ STL	↓	PAH's

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): J. Red
Sampler Signature:
Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 06LAD030743 Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: RP-0330R | Field Personnel: J. Ruck, L. Gluck, B. McGillicuddy
Start Time: 1056 | Weather Conditions: Sunny | Approx. Air Temp (F): 55

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/19/05
Date/Time of Measurement: 4/19/05 / 10:07 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 16.13 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µ (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.86	6.71	610	Clear	.20	-123.4	1100
	3	12.86	6.70	605	↓	.22	-122.5	1104
	5	12.80	6.69	608	↓	.47	-122.7	1108
	7	12.86	6.68	612	↓	.42	-123.0	1112
					8.54			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.2 | Decontamination Method: Alconox, Methanol, DI
Instrument Type & Number: YSI 43 | Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/19/05 900 | Approx. Pump/Intake Depth: 28'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/19/05 | QA/QC Sample (circle one): YES NO | Water Chemistry Sample: YES / NO
Time Sampled: 1115 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
018	8	various	various	LXA, STL	Sauer	various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Ruck | Sampler Signature: [signature] | Date Signed: 4/19/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: 06/MB7030 J43 Project #: RP Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION-DATA

Date Sampled: 4/19/05 | Additional Chain-of-Custody #s:

Time Sampled: 1113

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
OTB-01	4	VOA	HCL	NCA	Courier	8260B
	2	Amber	None	STL	Courier	Dioxins/Furans
	2	Amber	None	NCA	Courier	PAHs

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Tim Rock | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RY Project #: 061M107030 J43 Monitoring/Sampling Date: 4/25/05

Monitoring Well ID: RF-04-16 | Field Personnel: J Rock, L Glouk, B.M. Griffin
Start Time: 13:25 | Weather Conditions: Rain | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 1.6 In well Casing: 1.8 | PID Calibration Standard: Isobutylene
%LEL Background: In well Casing: | PID Calibration Date: 4/25/05

Date/Time of Measurement: 4/25/05 13:20 | Depth to Water Measuring Technique: Solinist I.P.
Depth Well Bottom (TOC - ft.): 16' | Detection Method of Free Product: NA I.P.
Depth to Water Level (TOC - ft.): 10.10
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 2"

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88

Three Well Purge Volumes (gallons) = 3 x ____ =

Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity us (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	10.56	6.72	639	clear	.05	2.8	1328
	3	10.45	6.65	640		.01	-24.1	13:32
	5	10.46	6.63	640		.01	-24.2	13:36
	7	10.43	6.65	640		.01	-30.5	13:40
					1.8			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.8 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RF Treatment Plant
Instrument Calibration Date & Time: 4/25/05 9:00 | Approx. Pump/Intake Depth: 14.5'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 13:40 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
1328-01	26	various	various	NCAST, FOL	Courier	various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock Sampler Signature: [signature] Date Signed: 4/25/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
028-01	4	VOA	HCL	NCA	Courier	8260B
	2	l	None	↓		Herbicides
	2	l	None	SOL		Dioxins/Furans
	2	250	HNO3	NCA		Total & Diss Metals
	2	l	None			Pesticides
	2	l	None	↓		SVOCs
	1	110 ml	—	EOL		Total Plate Count/Coliform Bacteria
	1	l	None	NCA		Alk, Cl, NO3, NO2, SO4, O-Phos
	1	500	H2SO4			NH3, TKN, TOC, COD
	1	l	None			BOD
	1	250	ZnAc, NaOH			Sulfide
	1	250	HNO3			Manganese
	2	l	HCL			NH3, TKN, TOC
	4	VOA	HCL	↓	↓	Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/h/07030 T43
Monitoring/Sampling Date: 4/25/05

Monitoring Well ID: RP-04-41 | Field Personnel: J Rock, L. Glowek, B. McGillicuddy
Start Time: 14:25 | Weather Conditions: Rain | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 1.8 In well Casing: 500 | PID Calibration Standard: Isobutylene
%LEL Background: Ø In well Casing: Ø | PID Calibration Date: 4/25/05 JWR
Date/Time of Measurement: 4/25/05 1330 | Depth to Water Measuring Technique: Solinist I.P.
Depth Well Bottom (TOC - ft.): 43.72 | Detection Method of Free Product: ~~NA~~ I.P.
Depth to Water Level (TOC - ft.): 8.90
Depth to Free Product (TOC - ft.): 43.34
Calculated Column Height (ft.):
Casing Diameter (in.): 2"
Quantity of Free Product Collected (gal.): Ø
Obsevation of sheen or LNAPL: No | Observation of DNAPL: No

Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x _____ =

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	11.58	6.69	312	Clear	1.98	98.5	14:27
	3	11.57	6.65	311		2.02	100.1	14:31
	5	11.58	6.63	310		2.02	100.7	14:35
	7	11.58	6.61	309		1.98	102.5	14:39
					3.0			

Total Purged = 7 X | Purge Pumping Rate (approx. L/m): .5 L/m | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): Ø.4 | Decontamination Method: Mechanical Alcohol & DI
Instrument Type & Number: YSI #J | Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/25/05 900 | Approx. Pump/Intake Depth: 36'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/25/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 14:40 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
029-01	26	various	various	NCA, SKL, Cooper	Various	
4 blanks 025-04	10	various	various	NCA	courier	

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

pler (Print): Joe Rock | Sampler Signature: [signature] | Date Signed: 4/25/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
GW-01	4	VOA	HCL	NCA	Courier	8260B
	2	l	None	↓		pesticides
	2	l	None	SSL		Dioxins/Furans
	2	250	HNO_3	NCA		Total & Dissolved Metals
	2	l	None			Pesticides
	2	l	None	↓		SVOCs
	1	100 ml	—	Ecol		Total Plate Count/Fecal Bact
	1	l	None	NCA		Alk, Cl, NO_3, NO_2, SO_4, OPhos
	1	500	H_2SO_4			NH_3, TKN, TOC, COD
	1	l	None			COD
	1	250	ZnAcetate/NaOH			Sulfide
	1	250	HNO_3			Major Cations
	2	l	HCL			NO/TEN-DX
	4	VOA	HCL	↓	↓	Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M10790143
Monitoring/Sampling Date: 4/18/05

Monitoring Well ID: RP06-87 | Field Personnel: L. Glonek, B. McMicheal, J. Rock
Start Time: 1343 | Weather Conditions: Partly Sunny | Approx. Air Temp (F): 55

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.3 In well Casing: 0.3 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/18/05
Date/Time of Measurement: 4/18/05 / 1335 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 88 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 26.91 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 61.09 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x ____ = ____
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS) µS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.79	6.57	3368	slight	0.35	-70.8	1347
	3	12.75	6.56	3525	Clear	0.26	46.4	1351
	5	12.53	6.55	3596	↓	0.2	-63.8	1355
	7	12.61	6.54	3639	↓	0.31	-60.9	1359
					7.09			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.8 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/18/05 0915 | Approx. Pump/Intake Depth: 83.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/18/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1400 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: #4,2044 | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0106-01	19	various	various	NCA	Courier	
0106-01	1	1 liter	None	RDL	↓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLONEK Sampler Signature: Lisa Glonek Date Signed: 4/8/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/18/01 | Additional Chain-of-Custody #s:

Time Sampled: ~~[illegible]~~ 1400

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
01b-01	4	40ml	HCL	NCA	Courier	8260B
	2	1L				8151A
	2	250ml				TOC + DISS [illegible]
	1	1ml	sterile	FCL		SM9215
	1	1L		NCA		310.1 ~~[illegible]~~ 350.0
	1	500ml				350.3, 415.2, [illegible]
	1	1L				405.1
	1	250ml				[illegible]
	1	250ml				376.2
	2	1L	HCL			MWTPH-DX
	4	40ml	HCL			RSK-175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06LM107030P43
Monitoring/Sampling Date: ~~RP07-30~~ 4/14/2005

Monitoring Well ID: RP07-30 | Field Personnel: L. Gonek, J. Lock, J. Hammer, J. Roth
Start Time: 1132 | Weather Conditions: Sunny | Approx. Air Temp (F): ~50°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.4 In well Casing: 0.5 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/14/2005
Date/Time of Measurement: 4/14/2005 / 1130 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 30 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 24.04 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
Calculated Column Height (ft.): 5.96 | 4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~µmhos/cm~~	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	15.29	6.41	659	Moderate	0.24	-148.6	1136
	3	15.06	6.30	714	Clear	0.19	-121.9	1140
	5	14.74	6.32	805	↓	0.42	-123.6	1144
	7	14.69	6.31	830	↓	0.29	-124.3	1148
					154			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Quallaert
Ferrous Iron (ppm): 2.6 | Decontamination Method: Mallard / Alconox / DI
Instrument Type & Number: YSI A3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/14/2005 0845 | Approx. Pump/Intake Depth: 24.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel (PVC) Other:
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/2005 | QA/QC Sample (circle one): YES / (NO) | Water Chemistry Sample: (YES) / NO
Time Sampled: 1148 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2073 | Teflon Bailer Peristaltic Pump (Other): Quallaert

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
060001	2	1L	NONE	NCA	Courier	8270C-SIM

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: (YES) / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GONEK, JOE LOCK, JOHN HAMMER | Sampler Signature: [signature] | Date Signed: 4/14/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 0010-01 | Additional Chain-of-Custody #s:

Time Sampled: 1148

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0010-01	2	1L	NONE	NCA	Courier	8270E-SIM

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 06/M107 030 T43 Monitoring/Sampling Date: 4/21/05

Monitoring Well ID: RP-07-30 | Field Personnel: J Rock, S McGillicuddy, L Galant
Start Time: 1050 | Weather Conditions: Cloudy | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0 | PID Calibration Standard: Isobutylene
%LEL Background: - In well Casing: - | PID Calibration Date: 4/21/05
Date/Time of Measurement: 4/21/05 / 10:40 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 30'
Depth to Water Level (TOC - ft.): 24.27 | Detection Method of Free Product: NA
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 2" | Conversions Factors (casing dia = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 ~~8" = 2.61~~ 12" = 5.88
Quantity of Free Product Collected (gal.): 0 | Three Well Purge Volumes (gallons) = 3 x _____ = _____
Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS (µS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.75	6.44	735	Clear	.43	-116.0	1052
	3	14.77	6.44	742	↓	.08	-149.3	1056
	5	14.77	6.48	736	↓	.08	-150.3	1100
	7	14.70	6.47	735	↓	.08	-150.7	1104
					960			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: (High) / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 4.4 | Decontamination Method:
Instrument Type & Number: YSI EH-3 | Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/21/05 830 | Approx. Pump/Intake Depth: 28'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel (PVC) Other:
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | QA/QC Sample (circle one): YES / (NO) | Water Chemistry Sample (YES) / NO
Time Sampled: 1105 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
U06-01	2	1	None	NSA	Courier	PAH's

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: (YES) / NO
Field Observations/Notes of Sampling Event: Resample

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: [signature] | Date Signed: 4/21/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: LP
Project #: 0161M10 7030 P43
Monitoring/Sampling Date: LP-07-55 4/14/2005

Monitoring Well ID: LP-07-55 | Field Personnel: L Glover, J Lock, J Roth, J Hamner
Start Time: 1159 | Weather Conditions: Sunny | Approx. Air Temp (F): 50°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/14/2005
Date/Time of Measurement: 4/14/2005 1155 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 55 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 27.39 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 27.61 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x ___ = ___
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: ND | Observation of DNAPL: ND

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.61	6.54	1130	Moderate	3.4	-62.7	1204
	3	14.49	6.48	1143	Slight	0.4	-64.2	1208
	5	14.35	6.46	1148	Clear	0.24	-66.2	1212
	7	14.39	6.45	1154	↓	0.18	-67.6	1216
					248			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dipper
Ferrous Iron (ppm): 2.8 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: Water Treatment Plant
Instrument Calibration Date & Time: 4/14/2005 0845 | Approx. Pump/Intake Depth: 52.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1216 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2073 | Teflon Bailer Peristaltic Pump Other: Quad Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
007-01	2	1L	NONE	NCA	Courier	8290-SIM

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLOVER Sampler Signature: Lisa Glover Date Signed: 4/14/2005

Jay Hammer
John Roth
John Roth

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION DATA

Date Sampled: 4/14/2005 | Additional Chain-of-Custody #s:

Time Sampled: [illegible]

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
007-01	2	1L	NONE	NCA	Courier	8290C-SIM

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: LP Project #: 04IM107030 943 Monitoring/Sampling Date: 4/21/2005

Monitoring Well ID: LP-07-55 | Field Personnel: L. Lonek, J. Lock
Start Time: 958 | Weather Conditions: Cloudy, light rain | Approx. Air Temp (F): 50

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/21/2005
Date/Time of Measurement: 4/21/2005 / 0930 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 55' | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 28.41 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 26.59 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.22	6.64	1035	Cloudy	0.63	-70.9	1000
	3	14.30	6.49	1066	Clearing	0.39	-74.5	1004
	5	14.21	6.42	1077	Clear	0.71	-75.9	1008
	7	14.29	6.43	1021		0.42	-81.6	1012
					12.1			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m). .5 l/m | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.0 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RO Treatment Plant
Instrument Calibration Date & Time: 4/21/05 930 | Approx. Pump/Intake Depth: 53'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/2005 | QA/QC Sample (circle one): YES NO | Water Chemistry Sample: YES / NO
Time Sampled: 10:13 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
007-01	2	Bottle	None	NCA	Courier	PAH's

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resample

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): [illegible] Sampler Signature: [illegible] Date Signed: 4/21/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 0101M10703084 3
Monitoring/Sampling Date: 4/14/2005

Monitoring Well ID: RP-07-84 | Field Personnel: L. Glover, J. Roth, J. Hammer
Start Time: 1230 | Weather Conditions: Sunny, breezy, cool | Approx. Air Temp (F): 50°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.4 In well Casing: 0.4 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/14/2005
Date/Time of Measurement: 4/14/2005 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 84 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 27.55 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 56.45 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x ____ = ____
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1.5	12.09	6.42	3328	high	0.22	-5.2	1234
	3.5	14.02	6.41	3335	moderate	quite	-3.0	1238
	5.5	14.18	6.41	3330	clear	solid	1.8	1242
	7.5	13.93	6.38	3327		0.13	6.4	1244
					NOT checked			

Total Purged = 7.5 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): NOT tested | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/14/2005 0845 | Approx. Pump/Intake Depth: 81.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs: Erin Wilson from Cascade onsite today to repair cap

SAMPLING INFORMATION DATA

Date Sampled: 4/14/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1244 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
RP-01	21	40mL	Various	NA	Courier	Various
	2	1L	None	TL		8290
	1	110ml	Cerde	FQL		3M9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLOVER | Sampler Signature: [signature] | Date Signed: 4/14/2005
J. Roth J. Hammer John Roth

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION DATA

Date Sampled: 4/14/2005 | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
008-0	1	40ml		NCA		8260B
	2	1L		↓		8151A
	2	~~250ml~~		SFL		8290
	2	250ml		NCA		Tot+Diss Cd/Ni/Cu 7470A
	2	1L		↓		8270C-SIM
	1	100ml		FRL		SM 9215
	1	1L		NCA		300.1/300
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250mL				376.2
	1	200ml				200.7/200.8
	2	1L				NWTPH-DX
↓	4	40ml		✓		RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RF Project #: 0-GIM-107030-T43 Monitoring/Sampling Date: 4/21/05

Monitoring Well ID: RF-07-24 | Field Personnel: J. Rock & M. Whitehead, L. Galarek
Start Time: 10 20 | Weather Conditions: Cloudy | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: Ø In well Casing: Ø | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/21/05
Date/Time of Measurement: 4/21/05 / 1020 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 34 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 28.71 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.07	6.48	2804	clear	.99	-7.5	10:29
	3	14.01	6.43	2821		.23	-14.2	10:27
	5	14.02	6.43	2807		.18	-13.9	10:31
	7	14.06	6.42	2806		.16	-12.1	10:35
					31.6			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): 2 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other: Dual Valve
Ferrous Iron (ppm): 2.4 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RF Treatment Plant
Instrument Calibration Date & Time: 4/21/05 930 | Approx. Pump/Intake Depth: 31'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 10:35 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
OW-07	2	1	None	MCA	Courier	Herbicides
	2	1	None			PAH's

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resample.

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Jay Rock | Sampler Signature: [signature] | Date Signed: 4/21/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M10030143
Monitoring/Sampling Date: 4/14/2005

Monitoring Well ID: RP-07-119 | Field Personnel: L. Clonek, J. Rock, J. Hammer, J. Roth
Start Time: 1000 | Weather Conditions: Partly Sunny | Approx. Air Temp (F): 250F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.1 | PID Calibration Standard: 4/14/2005
%LEL Background: — In well Casing: — | PID Calibration Date: 100 butylene 7.1
Date/Time of Measurement: 4/14/2005 / 1002 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 119 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 27.22 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): 91.78 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2 | Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: ND | Observation of DNAPL: NA

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.13	6.60	1683	moderate	2.47	6.7	~~1014~~ 1022
	3	14.07	6.61	1688	slight	1.59	-1.2	~~1018~~ 1026
	5	14.04	6.58	1686	clear	1.29	-1.5	~~1022~~ 1030
	7	14.23	6.57	1687	↓	1.12	2.7	~~1026~~ 1034
					13.9			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual valve
Ferrous Iron (ppm): 0.8 | Decontamination Method: Methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: On Water Treatment
Instrument Calibration Date & Time: 4/14/2005 0845 | Approx. Pump/Intake Depth: ~ 116.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/14/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: ~~1020~~ 1034 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2073, 2072, 2 | Teflon Bailer Peristaltic Pump Other: Dual valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
QC-01	21	various	various	NA	courier	various
↓	2	1L	NONE	STL		8270
	1	1pint	sterile	FGL	✓	SM9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): L. Clonek | Sampler Signature: Lisa Clonek | Date Signed: 4/14/2005

Jay Hammer John Roth

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 005-01 | Additional Chain-of-Custody #s:

Time Sampled: 10AM

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
005-01	4	40ml		NCA		8260B
	2	1L				8151A
	2	250ml				TPH + Diesel 8015/8021 34709
	2	1L				PAH's 8270C-SIM
	1	1L				200.0 1310.1
	1	500ml				350.3, 353.2, 410.2
						415.2 LAB
						412.2 LAB
	1	1L				405.1
	1	250ml				376.2
	1	250ml				200.7 / 200.8
	2	1L				NH3 QH-DK
	4	40ml				8015
	1	110ml	FQL	FQL		SM9215
	2	1L	STL	STL		Dioxins 8290

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

cw

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 06/M107030 T43 Monitoring/Sampling Date: 4/21/05

Monitoring Well ID: RP-07-119 | Field Personnel: J. Rock, R. McGillivray, L. Grant
Start Time: 9:10 | Weather Conditions: Cloudy | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/21/05
Date/Time of Measurement: 4/21/05 19:10 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 119 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 29.52 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~(mS)~~ uS	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.18	6.53	1795	Moderate	0.42	-20.0	0927
	3	14.02	6.59	1741	Light	0.29	-21.5	0931
	5	13.99	6.58	1724	Clear	0.21	-24.2	0935
	7	13.98	6.57	1700		0.18	-16.4	0939
	9	13.98	6.56	1688		0.18	-11.0	0943

Total Purged = 9 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 0.9 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: BP Treatment Plant
Instrument Calibration Date & Time: 4/21/05 830 | Approx. Pump/Intake Depth:

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/21/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 0945 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
0215-01	2	Amber	None	NCA	courier	Herbicides 8151A
	2	Amber	"	"	"	PAH's

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resample.

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Rock | Sampler Signature: [signature] | Date Signed: 4/21/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: BP Project #: 0-61M-107030-T43 Monitoring/Sampling Date: 4/20/05

Monitoring Well ID: MW-09-116 | Field Personnel: C. Rock, B. McGillicuddy, L. Glover
Start Time: 12:40 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.3 In well Casing: 0.3 | PID Calibration Standard: Isobutylene
%LEL Background: In well Casing: | PID Calibration Date: 4/20/05
Date/Time of Measurement: 4/20/05 / 1244 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 116.5 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 18.46 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): — | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity ~~µS~~ (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.66	6.28	2097	Clear	.16	-31.4	1254
	3	13.67	6.27	2134		.15	-24.9	1258
	5	13.64	6.27	2143		.15	-24.6	1302
	7	13.65	6.26	2142		.10	-24.2	1306
	9	13.64	6.25	2144		.12	-24.5	1310
					2.6			

Total Purged = 9 l | Purge Pumping Rate (approx. L/m): .5 l/m | Well Yield (High) / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 2.6 | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: BP Treatment System
Instrument Calibration Date & Time: 4/20/05 900 | Approx. Pump/Intake Depth: 114'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel (PVC) Other:
Casing Condition: (OK) / NA / Needs Repairs / Repaired | Lock Condition: (OK) / NA / Needs Repairs / Replaced
Cap Condition: (OK) / NA / Needs Repairs / Repaired | Inner Casing Condition: (OK) / NA / Needs Repairs / Repaired
Paint Condition: (OK) / NA / Needs Repairs / Repaired | Monument Condition: (OK) / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/20/05 | QA/QC Sample (circle one): (YES) / NO | Water Chemistry Sample: (YES) / NO
Time Sampled: 1310 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
023-01	26	Various	Various	NEA, SEL, FGL	Cooler	Various
023-02	2	l	None	NEA		SVOCs
023-06	2	l	None	SEL		SVOCs

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: (YES) / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate

Sampler (Print): Chris Rock | Sampler Signature: [signature] | Date Signed: 4/20/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/20/05 | Additional Chain-of-Custody #s:

Time Sampled: 13:10

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
1223-01	4	VOA	HCL	NCA	Courier	8260B
	2	Amber	None			Herbicides
	2	Amber	None	STL		Dioxins/Furans
	2	500ml	HNO_3	NCA		Total & Diss Metals
	2	Amber	None			Pesticides
	2	Amber	None			SVOCs
	1	1LU	None	FGL		Total Plate Count, Diesel Range
	1	2	None	NCA		Alk, Cl, NO_3, NO_2, SO_4, OPO4
	1	500ml	H_2SO_4			NH_3, TKN, TOC, COD
	1	2	None			EDB
	1	250	2 drops NaOH			Sulfide
	1	250	HNO_3			Major Cations
	2	2	HCL			NWTPH-Dx
	4	VOA	HCL			Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Sampler Signature: Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 061M107030 Monitoring/Sampling Date: 5/6/05

Monitoring Well ID: W-09-116 | Field Personnel: J Rock, B McGillicuddy
Start Time: 13:26 | Weather Conditions: Partly Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: Ø In well Casing: Ø | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 5/6/05
Date/Time of Measurement: 5/6/05 / 13:26 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 116 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 18.15
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 2"

Conversions Factors (casing dia. = gallons/linear ft.) Circle One

0.75" = 0.02	1" = 0.04	2" = 0.17	3" = 0.37
4" = 0.66	6" = 1.47	8" = 2.61	12" = 5.88

Three Well Purge Volumes (gallons) = 3 x _____ = _____

Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.79	6.84	2338	Cloudy	.33	67.9	13:32
	5	13.64	6.40	2378	Clear	.24	28.2	13:40
	7	13.65	6.37	2458	↓	.24	27.2	13:44
	9	13.66	6.36	2456	↓	.21	23.4	13:48

Total Purged = 9 l | Purge Pumping Rate (approx. L/m): 2.5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): | Decontamination Method: Methanol, Alconox, DI rinses
Instrument Type & Number: YSI #4 | Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 5/6/05 12:20 | Approx. Pump/Intake Depth: 113'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 5/6/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 13:49 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
023-01	2	1	None	NCA	Courier	SVOC's
023-04	3	1/500	None/HNO3	NCA	Courier	SVOC's, Dissolved metals
023-06	2	1	None	STL	Courier	SVOC's

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Jim Rock | Sampler Signature: [signature] | Date Signed: 5/6/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 0-6M-10703.0-543
Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: MW-11-B
Field Personnel: T. Rock, B. McGilheuddy, L. Glarek
Start Time: 11:50
Weather Conditions: Sunny
Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0
PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: —
PID Calibration Date: 4/19/05
Date/Time of Measurement: 4/19/05 / 11:50
Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 121
Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 27.76
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 4"
Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): 0
Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None
Observation of DNAPL: NA

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µ (mls)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.60	7.09	2382	Clear	.38	-127.9	11:55
	3	14.46	7.06	2458		.23	-134.2	11:59
	5	14.40	7.06	2468		.21	-135.3	12:03
	7	14.42	7.05	2471		.19	-136.6	12:07
					1.64			

Total Purged = 7 l
Purge Pumping Rate (approx. L/m): .5 l/min
Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.2
Decontamination Method: Alconox, Methanol, DI
Instrument Type & Number: TSI #3
Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/19/05 900
Approx. Pump/Intake Depth: 118'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired
Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired
Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired
Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION/DATA

Date Sampled: 4/19/05
QA/QC Sample (circle one): YES / NO
Water Chemistry Sample: YES / NO
Time Sampled: 12:08
Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s:
Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
019	20	Various	Various	NKA/OLS/SI	Courier	Various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Ted Rock
Sampler Signature:
Date Signed: 4/19/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
01-01	4	VOA	HCl	NCA	Courier	8260B
	2	Amber	None	NCA		Herbicides
	2	Amber	None	STL		Dioxins/Furans
	1	VOA	—	FGL		Total Hydrocarbons/Lubricant/Diesel/Refined Oil
	1	1 Poly	None	NCA		Alk, Cl, NO3, NO2, SO4, OPhos
	1	500 Poly	H_2SO_4	NCA		NH3, TKN, TOC, COD
	1	1 Poly	None	NCA		BOD
	1	250 ml	2 drops NaOH	NCA		Cyanide
	1	250 ml	HNO_3	NCA		Metals Cations
	2	Amber	HCl	NCA		NWTPH-DX
	4	VOA	HCl	NCA		Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M07030043
Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: W-11-D
Field Personnel: J Rock, B M Gilbreath, J Glowik
Start Time: 12:38
Weather Conditions: Sunny
Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0
%LEL Background: — In well Casing: —
PID Calibration Standard: Isobutylene
PID Calibration Date: 4/19/05
Date/Time of Measurement: 4/19/05 11:55
Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 91.3
Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 27.24
Depth to Free Product (TOC - ft.):
Calculated Column Height (ft.):
Casing Diameter (in.): 2"
Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): 0
Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None
Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µ(ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.30	7.03	3287	Clear	1.95	28.6	12:41
	3	14.12	6.95	3329		1.65	32.7	12:45
	5	14.12	6.94	3330		1.64	36.1	12:49
	7	14.12	6.94	3331		1.63	36.3	12:53
					7.61			

Total Purged = 7 L
Purge Pumping Rate (approx. L/m): .5 L/min
Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dedicated
Ferrous Iron (ppm): 0
Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI 3
Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/19/05 900
Approx. Pump/Intake Depth: 86'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired
Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired
Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired
Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION/DATA

Date Sampled: 4/19/05
QA/QC Sample (circle one): YES / NO
Water Chemistry Sample: YES / NO
Time Sampled: 12:54
Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s:
Teflon Bailer Peristaltic Pump Other: Dedicated

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
030	20	various	various	NCA, SB, EGI	Courier	various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Jim Rock
Sampler Signature:
Date Signed: 4/19/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/19/05 | Additional Chain-of-Custody #s:

Time Sampled: 1254

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
GZO	4	VOA	HCl	NCA	Courier	8260B
	2	Amber	None			Herbicides
	2	Amber	None	STL		Dioxin/Furans
	1	100	—	EGL		Plate Count / Diesel Bact.
	1	(1) Poly	None	NCA		Alk, Cl, NO_3, NO_2, SO_4, O-Phos
	1	(1) Poly	H_2SO_4			NH, TKN, TOC, COD
	1	(1) Poly	None			BOD
	1	(1) Poly	2 mL NaOH			Sulfide
	1	(1) 500 ml	HNO_3			Major Cations
	2	(2) Amber	HCl			NWTPH-DX
	4	120A	HCl			Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06IM 107030 TV3
Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: W-11-I
Field Personnel: S Rock, B M. Gillicuddy, L. Valacek
Start Time: 1315
Weather Conditions: Sunny
Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0
PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: —
PID Calibration Date: 4/19/05
Date/Time of Measurement: 4/19/05 1215
Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 60'
Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 37.27
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 2"
Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x _____ = _____
Quantity of Free Product Collected (gal.): 0
Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None
Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (µmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	14.30	6.56	968	Clear	.15	-107.6	13:19
	3	14.26	6.55	980		.15	-110.6	13:23
	5	14.26	6.53	985		.42	-114.3	13:27
	7	14.25	6.53	986		.63	-115.2	13:31
					4.98			

Total Purged = 7 L
Purge Pumping Rate (approx. L/m): .5 L/m
Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.0
Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI 8J
Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/19/05 900
Approx. Pump/Intake Depth: 55'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired
Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired
Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired
Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION & DATA

Date Sampled: 4/19/05
QA/QC Sample (circle one): YES / NO
Water Chemistry Sample: YES / NO
Time Sampled: 1332
Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump Teflon Bailer Peristaltic Pump Other: Dual Valve
Chain-of-Custody #s:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
02-01	18	Various	Various	NCA, SDL, FOL	Courier	Various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Steve Rock Sampler Signature: [signature] Date Signed: 4/19/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION/DATA

Date Sampled: 4/19/05 | Additional Chain-of-Custody #s:

Time Sampled: 13:32

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
021-01	4	VOA	HCL	NCA	Courier	8260B
	2	Amber	None			Herbicides
	1	100ml	—	EGL		Plate Count/Diesel Bacteria
	1	1L Poly	None	NCA		Alk, Cl, NO_3, NO_2, SO_4, PO_4
	1	500ml Poly	H_2SO_4			TPH, TKN, TOC, COD
	1	1L Poly	None			BOD
	1	250ml poly	2Am NaOH			Sulfide
	1	250ml poly	HNO_3			Major Cations
	2	Amber	HCL			MTBE-BX
	4	VOA	HCL			Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: RP Project #: 061M107030-543 Monitoring/Sampling Date: 4/19/05

Monitoring Well ID: 63-11-5 | Field Personnel: J Rock, B. McGillivray, L Black
Start Time: | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/19/05
Date/Time of Measurement: 4/19/05 1223 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 10.26 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 2" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (µmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.38	11.71	882	Clear	.17	-205.4	13:57
	3	13.30	11.67	904		.11	-205.4	14:01
	5	13.29	11.65	917		.10	-205.3	14:05
	7	13.29	11.64	916		.10	-205.8	14:09
					0.27			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 3.0 0.2 | Decontamination Method: Hot Water, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Treatment Plant
Instrument Calibration Date & Time: 4/19/05 900 | Approx. Pump/Intake Depth: 6'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION/ DATA

Date Sampled: 4/19/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 14:10 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
022-01	13	various	various	WCA, SJL, EQL	Courier	Various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): J Rock | Sampler Signature: [signature] | Date Signed: 4/19/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
OZZ-01	4	VOA	HCL	NCA	Courier	8260B
	2	1l	None	↓	↓	Herbicides
	1	500ml	—	FQL		Flash Cond/Diesel/Bacteria
	1	500ml	None	NCA		Alk, Cl, Mg, Na, SO_4, OPO4
	1	500ml	H_2SO_4			NH_3, TKN, TOC, COD
	1	1l	None			BOD
	1	250ml	ZnAcNaOH			Sulfide
	1	250ml	HNO3			Metal Cations
	2	1l	HCL			MetPH-DX
	4	VOA	HCL	↓	↓	Methane

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06IM107030 T43
Monitoring/Sampling Date: 4/20/06

Monitoring Well ID: W-18-D | Field Personnel: J Peck B McGillicuddy, L Glenk
Start Time: 11:45 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: Ø In well Casing: Ø | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/20/05
Date/Time of Measurement: 4/20/05 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 65.7 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 18.79 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): | 0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Casing Diameter (in.): 4" | Three Well Purge Volumes (gallons) = 3 x =
Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.39	6.85	220	Cloudy	4.45	210.6	11:57
	3	12.09	6.97	237	Clearing	4.40	99.5	11:58
	5	12.07	6.86	238		4.35	99.4	11:59
	7	12.08	6.85	237		4.34	98.5	12:03
					4.0			

Total Purged = | Purge Pumping Rate (approx. L/m): .5 l/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): not tested | Decontamination Method: Methanol, Alconox, DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/20/05 900 | Approx. Pump/Intake Depth: 60'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/20/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 12:03 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
01401	2	1L	HCL	UCA	Courier	NWTPH-DX

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Joe Peck | Sampler Signature: [signature] | Date Signed: 4/20/06

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: LP
Project #: OEIM10703 0 P43
Monitoring/Sampling Date: 4/15/2005

Monitoring Well ID: W-18-D
Field Personnel: L. Olonek, J. Hammer, J. Roth
Start Time: 1008
Weather Conditions: Rainy
Approx. Air Temp (F): 50°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.1 In well Casing: 0.1
PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: —
PID Calibration Date: 4/15/2005
Date/Time of Measurement: 4/15/2005 / 0955
Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 62
Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 19.46
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 44.54
Casing Diameter (in.): 4
Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x _____ = _____
Quantity of Free Product Collected (gal.): N/A
Method of Collecting Free Product: N/A
Observation of sheen or LNAPL: NO
Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/µS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1.5	10.59	0.84	249	Moderate	4.87	144.6	1012
	3.5	10.67	0.84	248	Slight	4.72	141.3	1016
	5.5	10.68	0.85	248	Clear	4.64	139.0	1022
	7.5	10.71	0.86	248	↓	4.44	137.4	1032
					5.87			

Total Purged = 7.5
Purge Pumping Rate (approx. L/m): 1.5
Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dedicated
Ferrous Iron (ppm): 0.0
Decontamination Method: Methanol/Alconox/DI
Instrument Type & Number: YSI #3
Water Disposal: RI Water Treatment Plant
Instrument Calibration Date & Time: 4/15/2005 0845
Approx. Pump/Intake Depth: 61.5'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired
Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired
Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired
Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION/DATA

Date Sampled: 4/15/2005
QA/QC Sample (circle one): YES / NO
Water Chemistry Sample: YES / NO
Time Sampled: 1024
Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump Teflon Bailer Peristaltic Pump Other: Dedicated
Chain-of-Custody #s: 2075, #3

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
011-01	13	various	Various	NCA	AMEC	Various
011-01	1	40ml	HCL	FDL	↓	SM9215
011-03	1	40ml	HCL	NCA	↓	82.1003

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA OLONEK
Sampler Signature: Lisa Olonek
Date Signed: 4/15/2005

John Roth
Jack Hammer

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
011-01	1	250ml		NCA		Total+Diss (0/0) (0020) 7440
	1	100ml	Sterile	FOL		SM 9215
	1	1L		NCA		310.1, 300.0
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				376.2
	1	200ml				200.7/200.8
	2	1L				MWTPHDX
	4	40mL				RSK175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M10730 P43
Monitoring/Sampling Date: 4/15/2005

Monitoring Well ID: W-18-I | Field Personnel: L. Glowek, J. Hammer, J. Roth
Start Time: 1049 | Weather Conditions: Rainy | Approx. Air Temp (F): 50°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.4 In well Casing: 0.8 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/15/05
Date/Time of Measurement: 4/15/2005 / | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 55.6 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 18.33
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 32.27
Casing Diameter (in.): 4"
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO | Observation of DNAPL: No

Conversions Factors (casing dia. = gallons/linear ft.) Circle One

0.75" = 0.02	1" = 0.04	2" = 0.17	3" = 0.37
4" = 0.66	6" = 1.47	8" = 2.61	12" = 5.88

Three Well Purge Volumes (gallons) = 3 x _____ = _____

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	10.49	6.58	212	moderate	3.16	155.8	1053
	3	10.34	6.36	210	slight	3.09	157.0	1057
	5	10.00	6.34	212	↓	3.06	155.7	1101
	7	10.15	6.10	212	↓	3.05	154.9	1105
					21.0			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 6.6 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual valve
Ferrous Iron (ppm): 210 | Decontamination Method: methanol / Alconox / DI
Instrument Type & Number: YSI #3 | Water Disposal: RP Water Treatment Plant
Instrument Calibration Date & Time: 4/15/2005 0845 | Approx. Pump/Intake Depth: 51.5

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/15/2005 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1107 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 2075, #3, 2077 | Teflon Bailer Peristaltic Pump Other: Dual valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
BLZ-01	13	various	various	NCA	AMEC	various
↓	1	40ml	glass	FQL	↓	SM9215
DLZ-01	17	various	various	NCA / STL	AMEC carrier	various

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): LISA GLOWEK Sampler Signature: Lisa Glowek Date Signed: 4/15/2005

Tom Hammer John Roth

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: 4/15/2005 | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
012-D1	2	250ml		AKA		Tot+Dis Cd Cr Cu Pb Zn 7470
	1	1/2 pint		EDL		SMT215
	1	1L		NCA		310.1, 300.0
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				326.2
	1	250ml				200.7/200.8
	2	1L				MWTPH-Dx
	4	40ml				RSK 175
012-04	2	1L		STL		8290
012-04	15	VOA vials		NCA		8260B, 8270C, 8151A, 601/602 8081A, 8270, 8270-SIM

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M107030 T43
Monitoring/Sampling Date: 4/20/05

Monitoring Well ID: W-18 -I | Field Personnel: J Rock B McGill Caddy L Glover
Start Time: 11:27 | Weather Conditions: Sunny | Approx. Air Temp (F): 60°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.1 In well Casing: 0.2 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/20/05
Date/Time of Measurement: 4/20/05 / 1127 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 65 | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 17.60
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.):
Casing Diameter (in.): 4"

Conversions Factors (casing dia = gallons/linear ft.) Circle One
0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88

Three Well Purge Volumes (gallons) = 3 x _____ =
Quantity of Free Product Collected (gal.): Ø | Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None | Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity µS (mS)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	12.00	6.52	206	clear	2.82	131.3	11:29
	3	11.72	6.39	205		2.80	131.1	11:33
	5	12.00	6.42	204		2.78	124.6	11:38
	7	12.01	6.43	205		2.77	123.8	11:42
					44.5			

Total Purged = 7 L | Purge Pumping Rate (approx. L/m): .5 L/min | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): Ø | Decontamination Method: methanol, Alconox, DI
Instrument Type & Number: TSI #3 | Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/20/05 9:00 | Approx. Pump/Intake Depth: 50'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/20/05 | QA/QC Sample (circle one): YES / NO | Water Chemistry Sample: YES / NO
Time Sampled: 1142 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
DUP-01	2	Amber	HCl	NCA	Courier	NWTPH-DX

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resampled for NWTPH-DX

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): J Rock | Sampler Signature: [signature] | Date Signed: 4/20/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: RP
Project #: 0-6IM-107030-T43
Monitoring/Sampling Date: 4/20/05

Monitoring Well ID: W-19-D
Field Personnel: J Rock & B McGillicuddy & L Glowk
Start Time: 10:36
Weather Conditions: Partly Cloudy
Approx. Air Temp (F): 55°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: Ø In well Casing: Ø
PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: —
PID Calibration Date: 4/20/05
Date/Time of Measurement: 4/20/05 / 1020
Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): 67.5
Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 26.04
Depth to Free Product (TOC - ft.):
Calculated Column Height (ft.):
Casing Diameter (in.): 4"
Conversions Factors (casing dia. = gallons/linear ft.) Circle One
0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Three Well Purge Volumes (gallons) = 3 x ____ = ____
Quantity of Free Product Collected (gal.): Ø
Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: None
Observation of DNAPL: None

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.84	6.79	3806	Clear	4.80	105.9	10:37
	3	13.65	6.41	3984		.25	112.4	10:43
	5	13.66	6.41	3985		.18	112.5	10:47
	7	13.68	6.41	3979		.15	109.7	10:51
					3.53			

Total Purged = 7 L
Purge Pumping Rate (approx. L/m): .5 L/m
Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): Ø
Decontamination Method: Method Alconox, DI
Instrument Type & Number: YSI 43
Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/20/05 900
Approx. Pump/Intake Depth: 64'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired
Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired
Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired
Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION/DATA

Date Sampled: 4/20/05
QA/QC Sample (circle one): YES / NO
Water Chemistry Sample: YES / NO
Time Sampled: 10:51
Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump Teflon Bailer Peristaltic Pump Other: Dual Valve
Chain-of-Custody #s:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
002-01	2	Amber	None	NCA	Courier	Herbicides 8151A

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resampled for Herbicides

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Jim Rock
Sampler Signature:
Date Signed: 4/20/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION / DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: LP Project #: 0161M109030 843 Monitoring/Sampling Date: 4/13/2005

Monitoring Well ID: W-19-D | Field Personnel: L. Glowek, J. Rock, J. Hammer
Start Time: 1120 | Weather Conditions: Partly Sunny, Sprinkles | Approx. Air Temp (F): 47°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.0 | PID Calibration Standard: 100 ppm
%LEL Background: — In well Casing: — | PID Calibration Date: 4/13/2005
Date/Time of Measurement: 4/13/2005 / 1120 | Depth to Water Measuring Technique: Solinst
Depth Well Bottom (TOC - ft.): | Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 25.26 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): NA | 0.75" = 0.02 1" = 0.04 2" = 0.17 3" = 0.37
Calculated Column Height (ft.): ~~35.85~~ 42.34 | 4" = 0.66 6" = 1.47 8" = 2.61 12" = 5.88
Casing Diameter (in.): 4 | Three Well Purge Volumes (gallons) = 3 x _____ = _____
Quantity of Free Product Collected (gal.): NA | Method of Collecting Free Product: NA
Observation of sheen or LNAPL: NO | Observation of DNAPL: NO

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (mmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.10	6.61	4484	clear	1.51	138.6	1124
	3	13.53	6.54	4463	↓	0.24	132.6	1128
	5	13.61	6.54	4446	↓	0.2	120.9	1132
	7	13.47	6.54	4450	↓	0.38	114.6	1136
					4.41			

Total Purged = 7 | Purge Pumping Rate (approx. L/m): 0.5 | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristaltic Pump / Grunfos Pump / Other = Dedicated
Ferrous Iron (ppm): 0.0 | Decontamination Method: nonionic / alconox / DI
Instrument Type & Number: HRS YSI | Water Disposal: RI water treatment plant
Instrument Calibration Date & Time: 4/13/05 0915 | Approx. Pump/Intake Depth: 65

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/13/2005 | QA/QC Sample (circle one): YES NO | Water Chemistry Sample: YES NO
Time Sampled: 1136 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: 1,14,16 | Teflon Bailer Peristaltic Pump Other: Dedicated

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
002-01	17	various	various	NCA	carrier	various
002-01	1	100	sterile	Microbiology	carrier	SM 9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Lisa Glowek Sampler Signature: LISA GLOWEK Date Signed: 4/13/2005

Joey Hammer

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION/DATA

Date Sampled: 4/13/2005 | Additional Chain-of-Custody #s: 1, 1A, 1B

Time Sampled: 1134

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
002-pl	4	40ml	HCl	NCA		8260B
	2	1L		↓		8151A
	1	1lm!		FQL		SM9215
	1	1L		NCA		300.0 310.1
	1	500ml				350.3, 415.2, 410.4
	1	1L				405.1
	1	250ml				376.2
	1	500ml				200.7, 200.8
	2	1L	HCl			NW8014-DRO
↓	4	40ml		↓		8260B

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER SAMPLING FIELD FORM

Project Name: RP
Project #: 016/M107030 P43
Monitoring/Sampling Date: 4/13/2005

Monitoring Well ID: W-19-I
Field Personnel: L. Glover, J. Rock, J. Hanne
Start Time: 1200
Weather Conditions: Partly Sunny, 47°F Approx. Air Temp (F): 47°F

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0.0 In well Casing: 0.0
PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: —
PID Calibration Date: 4/13/2005
Date/Time of Measurement: 4/13/2005 1159
Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 50.0
Detection Method of Free Product: NA
Depth to Water Level (TOC - ft.): 25.69
Depth to Free Product (TOC - ft.): NA
Calculated Column Height (ft.): 24.31
Casing Diameter (in.): 4
Quantity of Free Product Collected (gal.): NA
Method of Collecting Free Product: NA
Obsevation of sheen or LNAPL: NO
Observation of DNAPL: NO

Conversions Factors (casing dia. = gallons/linear ft.) Circle One

0.75" = 0.02	1" = 0.04	2" = 0.17	3" = 0.37
4" = 0.66	6" = 1.47	8" = 2.61	12" = 5.88

Three Well Purge Volumes (gallons) = 3 x =

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (µmhos)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
		13.54	6.29	5914	clear	1.30	129.8	1206
	3	13.42	6.20	6454	↓	0.30	112.2	1210
	5	13.42	6.19	6449	↓	0.39	103.7	1214
	7	13.40	6.19	6460	↓	0.25	100.8	1218
					1.33			

Total Purged = 7
Purge Pumping Rate (approx. L/m): 0.5
Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual valve
Ferrous Iron (ppm): 0.1
Decontamination Method: 465
Instrument Type & Number: #3 YSI
Water Disposal: LL Water Treatment Plant
Instrument Calibration Date & Time: 4/13/05 0915
Approx. Pump/Intake Depth: Methanol / Alconox / DI

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other: Dual valve
Casing Condition: OK / NA / Needs Repairs / Repaired
Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired
Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired
Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION/DATA

Date Sampled: 4/13/2005
QA/QC Sample (circle one): YES NO
Water Chemistry Sample: YES NO
Time Sampled: 1218
Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump Teflon Bailer Peristaltic Pump Other: Dual valve
Chain-of-Custody #s: 1, 1A, 1B

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
00301	17	various	various	NA	courier	various
↓	1	110ml	Sterile	Sterile FA	↓	SM 9215

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): Lisa Glover Sampler Signature: LISA GLOVER Date Signed: 4/13/2005

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION/DATA

Date Sampled: 4/13/2005 | Additional Chain-of-Custody #s: 1, 1A, 1B

Time Sampled: 12:18

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
005-01	4	40ml				8260B
	2	1L				8151A
	1	110ml				SM 7215
	1	1L				300.0, 310.1
	1	500ml				350.3, 4152, 4104
	1	1L				405.1
	1	250ml				376.2
	1	500ml				200.7, 200.8
	2	1L				MWTPH-Dx
	4	40ml				RSK 175

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

amec

AMEC Earth & Environmental, Inc.
GROUNDWATER
SAMPLING FIELD FORM

Project Name: RP
Project #: 06/M10703 0543
Monitoring/Sampling Date: 4/20/05

Monitoring Well ID: W-19-I | Field Personnel: T. Rock, B. Gillespie, L. Black
Start Time: 1011 | Weather Conditions: Partly Cloudy | Approx. Air Temp (F): 55°

INITIAL WELL DATA & WELL PURGING INFORMATION

PID (ppm) Background: 0 In well Casing: 0 | PID Calibration Standard: Isobutylene
%LEL Background: — In well Casing: — | PID Calibration Date: 4/20/05
Date/Time of Measurement: 4/20/05 | Depth to Water Measuring Technique: Solinist
Depth Well Bottom (TOC - ft.): 60 | Detection Method of Free Product: N/A
Depth to Water Level (TOC - ft.): 26.59 | Conversions Factors (casing dia. = gallons/linear ft.) Circle One
Depth to Free Product (TOC - ft.): N/A | 0.75" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.37
Calculated Column Height (ft.): | 4" = 0.66 | 6" = 1.47 | 8" = 2.61 | 12" = 5.88
Casing Diameter (in.): 4" | Three Well Purge Volumes (gallons) = 3 x ____ = ____
Quantity of Free Product Collected (gal.): 0 | Method of Collecting Free Product: N/A
Observation of sheen or LNAPL: N/A | Observation of DNAPL: N/A

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity uS/cm	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)
	1	13.35	6.23	5452	Clear	.68	116.2	10:17
	3	13.37	6.17	5542		.71	110.3	10:21
	5	13.46	6.15	5689		.28	105.1	10:25
	7	13.48	6.12	5687		.20	104.2	10:29
					9.28			

Total Purged = 7 l | Purge Pumping Rate (approx. L/m): .5 l/m | Well Yield: High / Moderate / Low
Purge Method (circle one): PVC Bailer / Poly Bailer / SS Bailer / Peristalic Pump / Grunfos Pump / Other = Dual Valve
Ferrous Iron (ppm): 4 | Decontamination Method: Methanol, DI, Alconox
Instrument Type & Number: YSI #3 | Water Disposal: RP Treatment System
Instrument Calibration Date & Time: 4/20/05 900 | Approx. Pump/Intake Depth: 55'

WELL CONDITION

Casing (circle one): Stainless Steel Carbon Steel PVC Other:
Casing Condition: OK / NA / Needs Repairs / Repaired | Lock Condition: OK / NA / Needs Repairs / Replaced
Cap Condition: OK / NA / Needs Repairs / Repaired | Inner Casing Condition: OK / NA / Needs Repairs / Repaired
Paint Condition: OK / NA / Needs Repairs / Repaired | Monument Condition: OK / NA / Needs Repairs / Repaired
Recommended Well Repairs:

SAMPLING INFORMATION / DATA

Date Sampled: 4/20/05 | QA/QC Sample (circle one): YES NO | Water Chemistry Sample: YES / NO
Time Sampled: 1030 | Sampling Method (circle one): SS Bailer Poly Bailer Grunfos Pump
Chain-of-Custody #s: | Teflon Bailer Peristaltic Pump Other: Dual Valve

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters
W05-01	2	Amber	None	~~Altec~~ N.A. Inc	Courier	Herbicides 8151A

All samples were immediately placed into a cooler and packed with ice or "Blue Ice", unless otherwise noted: YES / NO
Field Observations/Notes of Sampling Event: Resampled for Herbicides

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): T. Rock | Sampler Signature: [signature] | Date Signed: 4/20/05

amec	AMEC Earth & Environmental, Inc. GROUNDWATER SAMPLING FIELD FORM	Project Name: Project #: Monitoring/Sampling Date:

Monitoring Well ID: | Field Personnel:

INITIAL WELL DATA & WELL PURGING INFORMATION

Casing Volumes (#)	Volume Purged (liters)	Water Temperature (degree C)	Water pH (S.U.)	Specific Conductivity (ms)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Time (0:00 - 23:59)

WELL CONDITION

Recommended Well Repairs/Additional Notes:

SAMPLING INFORMATION + DATA

Date Sampled: | Additional Chain-of-Custody #s:

Time Sampled:

Sample ID	Bottles (total)	Bottles (size)	Preservative	Destination Laboratory	Sample Transporter	Analytical Parameters

Field Observations/Notes of Sampling Event:

CERTIFICATION STATEMENT

By signing below, the listed AMEC sampler states that the information provided on this page is accurate.

Sampler (Print): | Sampler Signature: | Date Signed:

APPENDIX B

Data Validation Report for Spring 2005
Post-Characterization Groundwater Monitoring Event
PCDD/PCDF Results

DATA VALIDATION REPORT FOR SPRING 2005 POST-CHARACTERIZATION GROUNDWATER SAMPLING EVENT PCDD/PCDF RESULTS

RP - PORTLAND SITE

December 21, 2005

Submitted to:

Oregon Department of Environmental Quality
Northwest Region
2020 S.W. 4th Avenue, Suite 400
Portland, Oregon 97201

Prepared for:

SLLI
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Morrisville, North Carolina 27560

Prepared by:

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0-61M-107030/Phase 43

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Table 3 Performance Evaluation (PE) Sample Results

Table 4 Analytes Detected in the Interlaboratory Split

QUALIFIER DEFINITIONS

J The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during data validation indicate a data limitation related to a QC element outside required acceptance limits.

U The U qualifier indicates that the analyte must be considered not detected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in rinsate, trip, or laboratory blanks.

UJ The analyte was not detected above the detection or reporting limit. However, the detection or reporting limit is approximate and may or may not represent the actual limit necessary to accurately and precisely measure the analyte in the sample.

N The N qualifier indicates an analyte has been presumptively identified. Presumptive identification means that a chromatographic peak was detected at the correct retention time for an analyte, but that not all required identification criteria were met. The associated result is both qualitatively and quantitatively uncertain.

R The R qualifier indicates that a result has been rejected due to serious QC problems. It is not possible to definitively determine whether the analyte is present or absent in the sample.

1.0 INTRODUCTION

A total of 21 samples from the Rhone-Poulenc (RP) Site Spring 2005 Post-Characterization Groundwater Sampling Event were submitted to Severn Trent Laboratories, Inc. (STL) in Sacramento, California for analysis of polychlorinated dioxins (PCDD) and dibenzofurans (PCDF) using United States Environmental Protection Agency (EPA) Method 8290. The samples consisted of 17 primary groundwater samples, 1 field duplicate, 2 rinsate blanks, and 1 performance evaluation (PE) sample. Additionally, a single interlaboratory split sample was submitted to Eno River Labs (ERL) in Durham, North Carolina. A list of these samples by site identification (ID), field ID, sample collection date, STL laboratory ID, ERL project number, and ERL sample ID is presented in Table 1.

2.0 DATA VALIDATION METHODOLOGY

Validation of these data followed the EPA Region 10 standard operating procedure (SOP) for the Validation of Polychlorinated Dioxin and Polychlorinated Dibenzofuran Data (EPA, 1996) and the Office of Solid Waste and Emergency Response (OSWER) SOP for dioxin/furan data review (EPA, 2002), with reference to EPA Method 8290A (EPA, 1998), and the Oregon Department of Environmental Quality (DEQ) -approved Revised Quality Assurance Project Plan (QAPP), dated June 13, 2001 (AMEC Earth & Environmental Inc. [AMEC], 2001) and the QAPP Addendum No. 1 dated August 1, 2002 (AMEC, 2002).

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all quality control (QC) audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

Qualifiers added to the data as a result of the validation effort follow industry standard usage as defined by EPA. A list of data qualifiers with associated definitions may be found in Table 2.

3.0 HOLDING TIME AND PRESERVATION

All samples were received at STL in good condition, and were extracted and analyzed within the EPA recommended maximum holding time of 30 days.

4.0 INITIAL CALIBRATION

Analysis of PCDD/PCDF in these samples on the primary DB-5 column was conducted under initial calibration (ICAL) 82900407051D5 and ICAL 82900408058D5. Analysis

for 2,3,7,8- tetrachlorodibenzofurans (TCDF) on the DB-225 column was conducted under ICAL DB2250324057D2. Ion abundance ratios and percent relation standard deviation (%RSD) for all target compounds met EPA Method 8290 requirements.

5.0 CONTINUING CALIBRATION

All compounds in the opening and closing continuing calibration evaluation standards (CCAL) met method requirements for percent drift in relative response (%D) and ion abundance ratios, except as described below:

%Ds for 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF were outside acceptance limits at -20.8% and 20.1%, respectively, in the closing CCAL analyzed on May 12, 2005. Because the %Ds were less than +/- 25%, and STL used the method-specified corrective action of quantifying 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF using the average response factors from the opening and closing CCALs instead of the response factor from the ICAL, data usability is not adversely affected.

6.0 BLANKS

Target analytes were not detected in the laboratory blanks and rinsate blanks associated with the analysis of these samples.

7.0 INSTRUMENT RECOVERY INTERNAL STANDARDS

The instrument recovery standards $^{13}C_{12}$-1,2,3,4-TCDD (DB-5 and DB-225 analyses) and $^{13}C_{12}$-1,2,3,7,8,9-HxCDD (DB-5 analysis only) are added to sample extracts and standards before injection into the gas chromatograph mass spectrometer (GC/MS) matrix spike. The instrument recovery standards are used to determine the recovery efficiency of the extraction and cleanup procedures, to determine if the GC/MS sensitivity and response are stable during the analytical run, and to determine if the same amount of extract was injected into the GC/MS. The $^{13}C_{12}$-1,2,3,4-TCDD recovery standard is used to calculate recoveries of the TCDD, TCDF, PeCDD, and PeCDF internal standards. The $^{13}C_{12}$-1,2,3,7,8,9-HxCDD recovery standard is used to calculate recoveries of the HxCDD, HxCDF, HpCDD, HpCDF, and OCDD internal standards.

Recovery of the sums of the instrument recovery standards in all field and QC samples were within method requirements of 25 to 400% of initial area counts, except as described below:

- Recovery of the instrument recovery internal standard $^{13}C_{12}$-1,2,3,4-TCDD was low at 22.7% in the DB-225 analysis of sample AL2-32 (024-01). AMEC UJ qualified the nondetected 2,3,7,8-TCDF result from this sample because of a possible low bias in the analytical result.
- Recovery of the instrument recovery internal standard $^{13}C_{12}$-1,2,3,4-TCDD was low at 19% in the DB-225 opening CCAL analyzed on May 18, 2005. Because sample AL2-32 (024-01) was the only sample analyzed under this CCAL, additional data qualification is not necessary.

8.0 LABORATORY CONTROL SAMPLE RECOVERIES

STL extracted and analyzed a minimum of a single laboratory control sample (LCS) with each batch of 20, or fewer, samples. This equates to a total of 4 LCS results for 17 primary samples, or approximately 24%, which exceeds the rate of 5% specified in the DEQ-approved QAPP. Recovery and precision in laboratory control samples associated with this project were within the QAPP-specified 70 to 130% acceptance limits, except as described below:

- 1,2,3,7,8,9-HxCDD (152%, 136%), 2,3,4,6,7,8-HxCDF (175%, 146%), and 1,2,3,7,8,9-HxCDF (187%, 151%) recoveries were high in the LCS and LCSD associated with samples RP-02-66 (001-01), RP-07-119 (005-01), RP-07-84 (008-01), RP-01-65 (013-01), RP-01-51 (014-01), RP-03-52R (017-01), RP-03-30R (018-01), W-11-B (019-01), and W-11-D (020-01). Because the recoveries were high and these analytes were not detected in the associated samples, data usability is not adversely affected.

9.0 MATRIX SPIKE RECOVERIES

Matrix spikes were performed on sample AL6-96 (025-01). Analyte recoveries were within the QAPP-specified 60 to 140% acceptance limits.

10.0 RECOVERY OF C-13 LABELED ISOTOPE DILUTION STANDARDS USED AS INTERNAL STANDARDS

EPA Method 8290 uses an isotope dilution procedure for calculation of analyte concentrations. A total of 12 carbon or chlorine labeled PCDD and PCDF isomers are added to the sample or extract to monitor different aspects of the procedure. Of the 12 labeled isomers added, 9 are used as internal standards for calculation of analytical results. Problems with recovery of internal standards affect all analytical results that

are calculated using the affected internal standard, and not just the corresponding nonlabeled isomer.

Qualification of data based on internal standard results can seem counterintuitive in that low internal standard recovery implies a possible high bias in the calculated result, and high internal standard recovery can imply a possible low bias. Internal standard area counts appear in the denominator of the equation used for calculating analyte concentrations using the internal standard technique, low internal standard area counts lead to high results for any calculation based on that internal standard, and high internal standard area counts lead to low results for any calculation based on that internal standard.

Recovery and performance of carbon labeled isotope dilution standards used as internal standard in all field and QC samples were within the method-specified limits of 40 to 135%.

11.0 SURROGATE, OTHER, AND ALTERNATE STANDARD RECOVERIES

Because STL includes additional labeled isomers beyond those used as internal standards in the spiking solution added to samples, the additional isomers can be used in a manner analogous to surrogate compounds in order to monitor extraction and cleanup efficiency. Qualification of data based on recovery of these isomers is more straightforward than qualification based on internal standards. When recovery of one of these isomers falls outside acceptance limits, only the result from the corresponding nonlabeled isomer is qualified. No data are qualified based on recovery of the $^{37}Cl_4$-2,3,7,8-TCDD cleanup standard unless recoveries of other labeled compounds are also outside acceptance limits.

Recoveries of all $^{13}C_{12}$ and $^{37}Cl_4$ labeled standards were within the 40 to 135% acceptance limits in field and QC samples associated with these samples.

12.0 ION ABUNDANCE RATIOS

Ion abundance ratios must meet method-specified criteria before a peak can be positively identified. Ion abundance ratios for all PCDDs and PCDFs were within method-specified acceptance limits.

13.0 COMPOUND IDENTIFICATION AND QUANTIFICATION

STL applied a number of qualifiers to data from analysis of these samples in order to describe matrix interference and other analytical issues. Definitions of these

laboratory qualifiers, resulting validation qualifiers, and a discussion of effect on data usability may be found below.

- The J qualifier is applied by STL to indicate a result based on a response that is below the calibrated range of the instrument. Results that were J qualified by the laboratory were also J qualified by AMEC during validation.
- The D qualifier is applied by STL to indicate that associated analyte concentration was taken from a dilution because of detector saturation in the undiluted analysis. AMEC did not additionally qualify any D qualified results.

The DB-5 column is used as the primary column for PCDD/PCDF analysis for all congeners except 2,3,7,8-TCDF, which is not adequately resolved from other TCDF congeners on the DB-5 column.

Review of compound identification by AMEC did not reveal any problems with proper application of required compound identification criteria by STL. Selection of data qualifiers by STL was complete and accurate, and reported values without qualifiers meet all required criteria for identification and quantification.

14.0 PERFORMANCE EVALUATION SAMPLE

AMEC purchased a single aqueous PE sample from RTC in Laramie, Wyoming and submitted it in blind fashion to STL. All analyte recoveries, except for 2,3,7,8-TCDF, were below RTC's acceptance limits. AMEC contacted STL to inform them of the failing PE and to initiate corrective actions.

According to STL, the low recoveries may be artifacts of the high analyte concentrations in the PE. The concentrations in the PE were approximately 30 to 400 times the concentration detected in the highest RP sample and were clearly inappropriate for EPA Method 8290. Additionally, because there was only a single bottle of the PE, STL was unable to re-extract the sample and properly perform a dilution. STL provided AMEC with a performance evaluation report for a PE study, which concluded in May 2005. All analyte recoveries were acceptable, with the majority greater than 80%. Because the analyte concentrations in this study were comparable to concentrations detected in the RP samples and because surrogate and LCS recoveries associated with the initial PE sample were acceptable, AMEC did not pursue further corrective actions.

Results for both PE samples are summarized in Table 3.

15.0 FIELD DUPLICATE

AMEC collected a single field duplicate, at well AL6-96 (026-01), with the 17 primary samples, resulting in a frequency of 5.7%, exceeding the QAPP-specified frequency of 5%. Target analytes were not detected in the primary sample or in the field duplicate.

16.0 INTERLABORATORY SPLIT

AMEC collected a single interlaboratory split, at well AL6-96 (026-01). Target analytes were not detected in the primary sample but individual congeners and total homologs were detected in the interlaboratory split. ERL's analyte detections were generally estimated maximum possible concentrations (EMPC) less than the analytical calibration range.

A summary of analytes detected in the interlaboratory split may be found in Table 4.

17.0 SUMMARY

PCDD/PCDF data generated for the Spring 2005 Post-Characterization Groundwater Sampling Event are of acceptable quality and are usable with the addition of the qualifiers listed in Table 2.

REFERENCE

AMEC, 2001. *Revised Quality Assurance Project Plan, RPAC - Portland Site*, prepared for Aventis CropScience, prepared by AMEC Earth & Environmental, submitted to Oregon Department of Environmental Quality, June 13, 2001.

AMEC, 2002. *Draft Quality Assurance Project Plan Addendum No. 1, RPAC - Portland Site*, prepared for RPAC, prepared by AMEC Earth & Environmental, Inc. submitted to Oregon Department of Environmental Quality, August 1, 2002.

EPA, 1996. *EPA Region 10 SOP for the Validation of Polychlorinated Dibenzodioxin (PCDD) and Polychlorinated Dibenzofuran (PCDF) Data*, Revision 2.0, January 31, 1996.

EPA, 1998. *Method 8290A: Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)*, Revision 1, January 1998.

EPA, 2002. *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review*, Draft Final, EPA-540-R-02-003, March 2002.

LIMITATIONS

This report was prepared exclusively for SLLI by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report for Spring 2005 Post-Characterization Groundwater Sampling Event PCDD/PCDF Results is intended to be used by SLLI for the RP - Portland Site, 6200 N.W. St. Helens Road, Portland, Oregon only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to STL with Corresponding Laboratory IDs
Spring 2005 Post-Characterization Groundwater Sampling
RP - Portland Site

Site ID	Field Sample ID	Sample Collection Date	STL Sample Number	ERL		Notes
				Project Number	Sample ID	
RP-02-66	001-01	04/13/2005	G5D220345-001	-	-	
RP-07-119	005-01	04/14/2005	G5D220345-002	-	-	
RP-07-84	008-01	04/14/2005	G5D220345-003	-	-	
RP-01-65	013-01	04/18/2005	G5D220345-004	-	-	
RP-01-51	014-01	04/18/2005	G5D220345-005	-	-	
Rinsate Blank	016-04	04/18/2005	G5D220345-006	-	-	
RP-03-52R	017-01	04/19/2005	G5D220345-007	-	-	
RP-03-30R	018-01	04/19/2005	G5D220345-008	-	-	
W-11-B	019-01	04/19/2005	G5D220345-009	-	-	
W-11-D	020-01	04/19/2005	G5D220345-010	-	-	
PE Sample	001-05	04/12/2005	G5D220345-011	-	-	
W-09-116	023-01	04/20/2005	G5D300241-001	-	-	
AL2-32	024-01	04/21/2005	G5D300241-002	-	-	
AL6-96	025-01	04/22/2005	G5D300241-003	-	-	
AL6-96	025-02	04/22/2005	G5D300241-004	-	-	Field duplicate
AL6-96	025-06	04/22/2005	-	65032	402-47-1A	Interlaboratory split
AL2-46	026-01	04/25/2005	G5D300241-005	-	-	
RP-04-16	028-01	04/25/2005	G5D300250-001	-	-	
RP-04-41	029-01	04/25/2005	G5D300250-002	-	-	
Rinsate Blank	029-04	04/26/2005	G5D300250-003	-	-	
MW-05-70	030-01	04/26/2005	G5D300250-004	-	-	
MW-05-52	033-01	04/26/2005	G5D300250-005	-	-	

STL = Severn Trent Laboratories, Inc. Sacramento, California
ERL = Eno River Labs Durham, North Carolina
ID = Identification

TABLE 2
Summary of Data Qualifiers for PCDD/PCDF Congeners
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Congener or Homolog	RP-02-66 (001-01)	RP-07-119 (005-01)	RP-07-84 (008-01)	RP-01-65 (013-01)	RP-01-51 (014-01)	RP-03-52R (017-01)
	none	none	none	none	none	none

Congener or Homolog	RP-03-30R (018-01)	W-11-B (019-01)	W-11-D (020-01)	W-09-116 (023-01)	AL2-32 (024-01)	AL6-96 (025-01)
2,3,7,8-TCDF	none	none	none	none	**UJ**-AS	none

Congener or Homolog	AL6-96 (025-02)	AL2-46 (026-01)	RP-04-16 (028-01)	RP-04-41 (029-01)	MW-05-70 (030-01)	MW-05-52 (033-01)
OCDD	none	none	none	**J**-OC	none	none
2,3,7,8-TCDF	none	none	none	**J**-OC	none	none

PCDD/PCDF = polychlorinated dioxins/ dibenzofurans

Data Qualifiers

U The U qualifier indicates that the analyte must be considered to be nondetected at the concentration listed. U qualifiers added during validation are typically a result of detections of target analytes in rinsate or laboratory blanks.

J The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a data limitation related to a quality control element that exceeds required acceptance limits.

N The N qualifier indicates that an analyte has been presumptively identified. Presumptive detection means that a chromatographic peak was detected at the correct retention time for an analyte but that not all required identification criteria were met. The associated result is both qualitatively and quantitatively uncertain.

Qualification Rationale Abbreviations

AS Low instrument recovery internal standard recovery. Analytical result may be biased low.
OC Concentration is less than the lowest calibration standard. The result should be considered an estimated value.

TABLE 3
PE Sample Results
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Congener	Certified Value	Acceptance Limits	Reported Concentration	Pass/Fail	% Recovery
Sample 001-05					
2,3,7,8-TCDD	32600	17900 - 47300	16000	Fail Low	49%
1,2,3,7,8-PeCDD	167000	91800 - 242000	60000	Fail Low	36%
1,2,3,4,7,8-HxCDD	152000	83600 - 220000	36000	Fail Low	24%
1,2,3,6,7,8-HxCDD	45600	25100 - 66100	9100	Fail Low	20%
1,2,3,7,8,9-HxCDD	357000	196000 - 518000	110000	Fail Low	31%
1,2,3,4,6,7,8-HpCDD	172000	94800 - 250000	52000	Fail Low	30%
OCDD	76800	42200 - 111000	30000	Fail Low	39%
2,3,7,8-TCDF	81600	44900 - 118000	83000	Pass	102%
OCDF	52000	28600 - 75400	17000	Fail Low	33%
Total TCDD	32600	17900 - 47300	16000	Fail Low	49%
Total PeCDD	167000	91800 - 242000	62000	Fail Low	37%
Total HxCDD	555000	305000 - 804000	160000	Fail Low	29%
Total HpCDD	172000	94800 - 250000	52000	Fail Low	30%
Total TCDF	81600	44900 - 118000	42000	Fail Low	51%
PE OS05-02-56					
2,3,7,8-TCDD	202	99.1 - 305	186	Pass	92%
1,2,3,7,8-PeCDD	22.1	12.8 - 31.4	22.0	Pass	100%
1,2,3,4,7,8-HxCDD	24.7	0 - 55.3	20.4	Pass	83%
1,2,3,6,7,8-HxCDD	69.8	25.4 - 114	68.9	Pass	99%
1,2,3,7,8,9-HxCDD	41.0	0 - 86.3	41.9	Pass	102%
1,2,3,4,6,7,8-HpCDD	638	397 - 879	654	Pass	103%
OCDD	4020	2160 - 5880	3760	Pass	94%
2,3,7,8-TCDF	63.2	33.7 - 92.7	43.6	Pass	69%
1,2,3,7,8-PeCDF	43.1	16.6 - 69.7	47.5	Pass	110%
2,3,4,7,8-PeCDF	81.8	2.30 - 161	75.0	Pass	92%
1,2,3,4,7,8-HxCDF	620	355 - 885	662	Pass	107%
1,2,3,6,7,8-HxCDF	143	33.8 - 252	134	Pass	94%
2,3,4,6,7,8-HxCDF	63.7	4.30 - 123	45.5	Pass	71%
1,2,3,7,8,9-HxCDF	12.4	0 - 29.3	<4.70	Pass	0%
1,2,3,4,6,7,8-HpCDF	2640	1320 - 3960	2400	Pass	91%
1,2,3,4,7,8,9-HpCDF	138	63.0 - 213	135	Pass	98%
OCDF	5710	3620 - 7800	5520	Pass	97%
Total TCDD	347	152 - 542	281	Pass	81%
Total PeCDD	234	50.4 - 418	145	Pass	62%
Total HxCDD	653	92.0 - 1210	582	Pass	89%
Total HpCDD	1240	700 - 1780	1260	Pass	102%
Total TCDF	777	21.0 - 1530	664	Pass	85%
Total PeCDF	877	421 - 1330	812	Pass	93%
Total HxCDF	1750	820 - 2680	1440	Pass	82%
Total HpCDF	3440	1560 - 5320	3170	Pass	92%

PE = Performance Evaluation

TABLE 4
Analytes Detected in the Interlaboratory Split
Spring 2005 Post-Characterization Groundwater Sampling Event
RP - Portland Site

Analyte	Primary Concentration (STL)	Interlaboratory Split Concentration (ERL)	RPD
Sample AL6-96 (025-01 and 025-06)			
1,2,3,6,7,8-HxCDD	<1.4	2.8 J	NC
1,2,3,7,8,9-HxCDD	<1.3	3.0 EMPC, J	NC
2,3,7,8-TCDF	<1.0	3.2 J	NC
1,2,3,7,8-PeCDF	<0.91	2.4 EMPC, J	NC
2,3,4,7,8-PeCDF	<0.89	2.6 EMPC, J	NC
1,2,3,4,7,8-HxCDF	<1.4	2.7 EMPC, J	NC
1,2,3,6,7,8-HxCDF	<1.3	2.7 EMPC, J	NC
2,3,4,6,7,8-HxCDF	<1.4	2.6 J	NC
1,2,3,7,8,9-HxCDF	<1.4	3.6 J	NC
1,2,3,4,6,7,8-HpCDF	<2.0	2.3 EMPC, J	NC
1,2,3,4,7,8,9-HpCDF	<0.84	2.0 EMPC, J	NC
Total TCDD	<0.99	18.1	NC
Total HxCDD	<1.4	8.8 EMPC	NC
Total TCDF	<1.0	79.2	NC
Total PeCDF	<1.3	5.0 EMPC	NC
Total HxCDF	<1.4	11.6 EMPC	NC
Total HpCDF	<2.0	4.2 EMPC	NC

STL = Severn Trent Laboratories, Inc. Sacramento, California
ERL = Eno River Labs Durham, North Carolina
NC = Not calculable
EMPC = estimated maximum possible concentration
RPD = relative percent difference

APPENDIX C

Data Validation Report for Spring 2005
Post-Characterization Groundwater Monitoring Event

DATA VALIDATION REPORT FOR SPRING 2005 GROUNDWATER SAMPLING EVENT EXCLUDING PCDD/PCDF RESULTS RP - PORTLAND SITE

December 21, 2005

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ACRONYMS

AMEC	AMEC Earth & Environmental, Inc.
BS	blank spike
BSD	blank spike duplicate
CAR	certified analytical report
CCAL	continuing calibration
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	EPA Contract Laboratory Program
COC	chain of custody
COPC	constituents of potential concern
%D	percent deviation or percent drift in relative response
DEQ	Department of Environmental Quality
DRO	diesel range organics
EPA	United States Environmental Protection Agency
GC	gas chromatography
µg/L	micrograms per liter
ICAL	initial calibration
ICP	inductively coupled plasma
ICPMS	inductively coupled plasma mass spectrometer
ICS	interference check sample
ICV	initial calibration verification
ID	identification
IDL	instrument detection limit
IS	internal standard
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MEK	2-butanone

mg/L	milligrams per liter
MIBK	4-methyl-2-pentanone
MRL	method reporting limit
MS	matrix spike
MSD	matrix spike duplicate
NAPL	non-aqueous phase liquid
NCA	North Creek Analytical
OCP	organochlorine pesticide
OSWE	EPA Office of Solid Waste and Emergency Response
PAH	polynuclear aromatic compounds
PCDD	polychlorinated dioxin
PCDF	polychlorinated dibenzofuran
PE	performance evaluation
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
RRO	residual-range organics
RF	response factor
RP	Rhône-Poulenc
RPD	relative percent difference
SOP	standard operating procedure
STL	Severn Trent Laboratories, Inc.
SVOC	semivolatile organic compound
USACE	United States Army Corps of Engineers
VOA	volatile organic aromatics
VOC	volatile organic compound

1.0 INTRODUCTION

A total of 80 groundwater samples from the Rhône-Poulenc (RP) Portland Site between April 13, 2005 and May 6, 2005. The samples were submitted to North Creek Analytical, Inc. in Beaverton, Oregon (NCA) where they were received between April 13, 2005 and May 6, 2005. Samples analyzed for methane were shipped by NCA to North Creek Analytical, Inc. in Bend, Oregon. Interlaboratory split samples were submitted to Severn Trent Laboratories, Inc. (STL) in Seattle, Washington.

The samples included 33 primary samples, 5 field duplicates, 5 interlaboratory split samples, 12 trip blanks, 3 rinsate blanks, 1 filter blank, 6 performance evaluation (PE) samples and 14 samples which were resampled due to laboratory error. Analyses performed on these samples included metals by United States Environmental Protection Agency (EPA) Methods 6010A and 6020; mercury by EPA Method 7470A; organochlorine pesticides by EPA Method 8081A; chlorinated herbicides by EPA Method 8151A; volatile organic compounds (VOCs) by EPA Method 8260B; semivolatile organic compounds (SVOCs) by EPA Method 8270C; polynuclear aromatic compounds (PAHs) by EPA Method 8270M-SIM; and semivolatile petroleum products by Oregon Department of Environmental Quality (DEQ)/Washington Department of Ecology (Ecology) Method NWTPH-Dx. A list of these samples by sample location, field sample identification (ID), NCA sample ID, and STL sample ID is presented in Table 1.

2.0 DATA VALIDATION METHODOLOGY

This data validation has been performed with reference to EPA guidelines as given in the April 1992 final version of Guidance for Data Usability in Risk Assessment, the current EPA functional guidelines for organic and inorganic data review, and the EPA Office of Solid Waste and Emergency Response (OSWER) standard operating procedures (SOPs) for inorganic and organic data review. The EPA guidelines listed above were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data validation where they differ from EPA Method SW-846 quality control requirements.

AMEC's methodology exceeded the validation procedures specified in the DEQ-approved Revised Quality Assurance Project Plan (QAPP), dated June 13, 2001 (AMEC, 2001). The laboratory's certified analytical report (CAR) and supporting documentation were reviewed to assess the following: chain of custody (COC) compliance; holding time compliance; presence or absence of laboratory contamination as demonstrated by method and field blanks; accuracy and bias as demonstrated by recovery of surrogate spikes, blank spikes (BS), matrix spikes (MS),

and PE samples; analytical precision as relative percent difference (RPD) of analyte concentration between replicate samples (i.e., laboratory duplicates) or MS and matrix spike duplicates (MSD); sampling precision as RPD of analyte concentration between field duplicates; instrument performance as initial and continuing calibration; and insofar as possible, the degree of conformance to method requirements and good laboratory practices.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all quality control (QC) audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

3.0 EXPLANATION OF DATA QUALITY INDICATORS

LCS Recoveries

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), also known as blank spike (BS) and blank spike duplicates (BSD), are aliquots of analyte-free water or Ottawa sand that are spiked with the analytes of interest for an analytical method or a representative subset of those analytes. The spiked water or sand is then processed through the same extraction, concentration, cleanup, and analytical procedures as the samples they accompany. LCS recovery and precision are an indication of the ability of a laboratory to successfully perform an analytical method in an interference-free matrix.

MS Recoveries

MS and MSD are prepared by adding known amounts of the analytes of interest for an analytical method, or a representative subset of those analytes, to an aliquot of sample. The spiked sample is then processed through the same extraction, concentration, cleanup, and analytical procedures as the unspiked samples in an analytical batch.

MS recovery and precision are an indication of the ability of a laboratory to successfully recover an analyte in the matrix of a specific sample or closely related sample matrices. It is important not to apply MS results for any specific sample to other samples without understanding how the sample matrices are related.

Internal Standard Recoveries

Internal standards (IS) are compounds that are added to a sample extract after all preparatory steps are completed and before instrumental analysis. These compounds serve as standards for qualitative analysis using relative retention time and quantitative

analysis using relative response factors (RFs). Methods that use IS calibration include requirements for changes in response to the IS relative to the initial calibration.

For EPA Method 6020, IS response must fall between 30% and 120% of the response in the initial calibration.

For EPA Methods 8260B and 8270C, IS response must fall between 50% and 200% of the response in the initial calibration. Because the area of the IS is used in the denominator of the equation for calculation of results using internal standardization, a response below 50% may indicate a possible positive bias, and a response above 200% may indicate a possible negative bias.

Surrogate Spike Recoveries

Surrogate spikes are used to evaluate accuracy, method performance, and extraction efficiency in each individual sample. Surrogate compounds are compounds not normally found in environmental samples, but which are similar to target analytes in chemical composition and behavior in the analytical process.

Field Duplicate Results

Field duplicates are replicate samples collected at the same location and submitted in blind form to the laboratory. Field duplicates provide an indication of the reproducibility of the sampling and analysis procedures for a given sample matrix, including heterogeneity of the sample itself. A summary of field duplicate detections may be found in Table 2.

Blank Concentrations

Blank samples are aliquots of analyte free water that are used as negative controls to verify that the sample collection, storage, preparation, and analysis system does not produce false positive results. The three types of blanks employed for this project are:

- Laboratory blanks are aliquots of analyte free water that are processed by the laboratory using exactly the same procedures as the field samples. Laboratory blanks are used to monitor for contamination introduced by the laboratory during sample preparation and analysis. A summary of compounds detected in the laboratory blanks may be found in Table 3A at the end of this document.
- Trip blanks are aliquots of analyte free water that are placed in sample containers at the analytical laboratory and are then sent into the field with the sample containers that are used to collect field samples. Trip blanks are not opened in the field, but accompany the field samples back to the laboratory where they are

analyzed as samples. Trip blanks are used to monitor for contamination that result from sample shipping and storage. For the purpose of this project, trip blanks are prepared and analyzed for VOCs only. A summary of compounds detected in the trip blanks may be found in Table 3B.

- Rinsate blanks are prepared by passing analyte-free water through or over sample collection equipment and collecting the water in sample containers. Rinsate blanks are analyzed for the analytical suite required for the project. Rinsate blanks are used to monitor for possible sample contamination during the sample collection process and serve as a check on the effectiveness of field documentation procedures. A summary of compounds detected in the rinsate blanks (field blanks) may be found in Table 3C.

4.0 CHAIN OF CUSTODY AND SAMPLE RECEIPT CONDITION DOCUMENTATION

4.1 Sample Receipt at NCA

All samples were received at NCA in good condition. Specific details of sample receipt condition and COC anomalies are described below.

- The sample coolers tabulated below were received at temperatures greater than 4°C ± 2°C. The samples were received within several hours of sample collection and most likely did not have time to equilibrate with the ice; therefore, data usability is not adversely affected.

NCA SDG Number	Receipt Date	Number of Coolers Received	Cooler Temperature(s) >4 °C ± 2°C (°C)
P5D0619	04/13/2005	5	7.1, 8.5
P5D0676	04/14/2005	3	8.7, 9.1, 8.6
P5D0983	04/21/2005	2	7.9
P5E0308	05/06/2005	1	7.7
P5D0912	04/20/2005	3	7.3
P5D1087	04/25/2005	5	6.5, 10.1, 7.4

- NCA did not receive total and field filter metals containers for sample MW-10-24 (004-02). Additional containers were received for sample MW-10-24 (004-01) which matched the sample collection date and time of sample MW-10-24 (004-02). AMEC instructed NCA to label these samples MW-10-24 (004-02).

- A power failure of a sample storage refrigerator at NCA resulted in the loss of one-liter sample containers for the samples tabulated below. The sample locations were resampled for the affected analyses and the initial analyses cancelled. The laboratory was advised to proceed with herbicide and metals analyses of PE sample 001-05 and EPA Method 8270 SIM PAH analysis of 003-05.

Sample Location	Field Sample ID	Initial Sample Date	Initial NCA Sample ID	Re-sample Date	Re-sample NCA Sample ID	Affected Analyses
PE Sample	001-05	04/12/2005	P5D0587-01	-	-	8151, metals, 8260
PE Sample	002-05	04/12/2005	P5D0587-02	06/06/2005	P5F0236-02	Acid extract.,8270C
PE Sample	003-05	04/12/2005	P5D0587-03	-	-	8270 SIM PAH
RP-02-66	001-01	04/13/2005	P5D0619-01	04/20/2005	P5D0912-01	8151
W-19-D	002-01	04/13/2005	P5D0619-02	04/20/2005	P5D0912-03	8151
W-19-I	003-01	04/13/2005	P5D0619-03	04/20/2005	P5D0912-02	8151
RP-07-119	005-01	04/14/2005	P5D0676-01	04/21/2005	P5D0983-01	8151, 8270 SIM PAH
RP-07-30	006-01	04/14/2005	P5D0676-02	04/21/2005	P5D0983-04	8270 SIM PAH
RP-07-55	007-01	04/14/2005	P5D0676-03	04/21/2005	P5D0983-02	8270 SIM PAH
RP-07-84	008-01	04/14/2005	P5D0676-04	04/21/2005	P5D0983-03	8151, 8270 SIM PAH
MW-03-81	009-01	04/14/2005	P5D0676-05	04/21/2005	P5D0983-05	8151
MW-03-I	010-01	04/14/2005	P5D0676-06	04/21/2005	P5D0983-06	8151
W-18-D	011-01	04/15/2005	P5D0727-01	04/20/2005	P5D0912-05	NWTPH-Dx
W-18-I	012-01	04/15/2005	P5D0727-03	04/20/2005	P5D0912-04	NWTPH-Dx

- All (VOA) vials associated with sample BSTW2-61 (027-01) contained air bubbles. AMEC J qualified the detected VOA results and UJ qualified the nondetected VOA results from this sample because of a possible low bias in the analytical results.
- Samples AL2-46 (026-01) and W-09-116 (023-01) were sampled as interlaboratory split samples. Because STL was unable to report results for the samples due to laboratory QC issues, AL2-46 (026-01) and W-09-116 (023-01) were resampled May 6, 2005 and reanalyzed as primary and split samples to NCA and STL respectively.
- AMEC cancelled EPA Method 8260 analysis of trip blank 011-013 and EPA Methods 8081, 8151, 8260, and 8270 SIM PAH analyses of rinsate blank 016-04 upon receipt at NCA.

5.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 5.1 to 5.8 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation may be found in Table 4. Summaries of specific qualifiers added to

during validation may be found in Table 4. Summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Tables 5 through 11. Summaries of specific QC sample results are presented in Table 2, Table 3A, Table 3B, Table 3C, Table 12, and Table 13. .

5.1 Semivolatile Petroleum Products by DEQ/Ecology Method NWTPH-Dx with Silica Gel Cleanup

Diesel-range organics (DRO) and residual-range organics (RRO) data from the Spring 2005 Groundwater Sampling Event may be considered usable with the limitations and exceptions described below. Summaries of qualified DRO and RRO results are presented in Table 5.

5.1.1 Holding Times

All samples were extracted and analyzed within the method-recommended maximum holding time of 14 days for aqueous extraction of a preserved sample and 45 days for analysis.

5.1.2 Initial Calibration

All criteria were met for the initial calibrations associated with analysis of samples from this sampling event for DRO and RRO.

5.1.3 Continuing Calibration

All criteria were met for the continuing calibrations associated with analysis of samples from this sampling event for DRO and RRO.

5.1.4 Laboratory Blanks

DRO and RRO were not detected in the laboratory blanks associated with these samples, except as described below.

- DRO was detected in laboratory blank 5040728-BLK1 at a concentration of 0.170 milligrams per liter (mg/L). AMEC U qualified the detected DRO results from samples RP-01-65 (013-01), RP-01-51 (014-01), and RP-06-87 (016-01) because the sample concentrations were less than 5 times the concentration detected in the blank.

5.1.5 LCS/LCSD Recovery and Precision

Recovery and precision for LCS/LCSDs associated with analysis of samples from this project for DRO and RRO were acceptable.

5.1.6 Surrogate Recoveries

Surrogate recoveries associated with analysis of these samples for DRO and RRO were within the method-specified 50% to 150% acceptance limits.

5.2 Metals by EPA Methods 6010, 6020, and 7470

Metals data from the Spring 2005 Groundwater Sampling Event may be considered usable with the limitations and exceptions described below. Summaries of qualified metals results may be found in Table 6

5.2.1 Holding Times

All samples were analyzed for metals within the recommended technical holding time of 180 days and for mercury within the recommended technical holding time of 28 days.

5.2.2 Sample Preservation and Preparation

According to the associated inductively coupled plasma (ICP) total metals preparation sheet for batch 5040985, sample AL2-32 (024-01) was not preserved to pH<2. AMEC J qualified the detected total calcium, iron, magnesium, potassium, and sodium results and UJ qualified the nondetected total aluminum result because of a possible low bias in the analytical results. Because total metals by inductively coupled plasma mass spectrometer (ICPMS) were analyzed from the same sample bottle, AMEC confirmed with NCA that ICPMS results for sample AL2-32 (024-01) were also likely affected. AMEC J qualified the detected total arsenic, chromium, copper, lead, manganese, nickel, vanadium, and zinc results and UJ qualified the nondetected total cadmium result because of a possible low bias in the analytical results.

5.2.3 Initial Calibration

All initial calibrations (ICAL) associated with analysis of these samples for metals were acceptable.

5.2.4 Initial Calibration Verification

EPA acceptance limits for metals initial calibration verification (ICV) are 90 to 110%. All initial calibration verifications associated with the analysis of these samples for metals were acceptable.

5.2.5 Continuing Calibration Verification

EPA acceptance limits for metals continuing calibration verification (CCV) are 90 to 110%. All CCVs associated with reported data from analysis of these samples for metals were acceptable, except as described below.

- Chromium recovery was high at 111% in CCV108 analyzed on May 5, 2005. AMEC J qualified the total chromium results from samples RP-04-16 (028-01) and RP-04-41 (029-01) because of a possible high bias in the analytical results.

5.2.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICS) exhibited recoveries within the 80 to 120% acceptance limits, except as described below.

- Sodium recoveries were low in the ICS-A and ICS-AB analyzed on April 19, 2005 at 78.5% and 78.0%, respectively. AMEC J qualified the detected sodium results from samples RP-07-119 (005-01), RP-07-84 (008-01), MW-03-81 (009-01), W-18-D (011-01), and W-18-I (012-01) because of a possible low bias in the analytical results.

- Vanadium recovery was high in ICS 012ICSAB.D analyzed on May 4, 2005 at 124%. AMEC J qualified the detected total vanadium result from samples RP-07-119 (005-01), RP-07-84 (008-01), MW-03-81 (009-01), W-18-D (011-01), RP-04-16 (028-01), and RP-04-41 (029-01) because of a possible high bias in the analytical results.
- Zinc recovery was high in ICS 012ICSAB.D analyzed on May 5, 2005 at 146%. AMEC J qualified the detected dissolved zinc result from sample RP-02-66 (001-01) because of a possible high bias in the analytical results.

5.2.7 Blanks

Target analytes should not be found in blank samples. When the concentration detected in the blank is less than the method reporting limit (MRL), concentrations in associated samples greater than the MRL but less than 5 times the concentration detected in the blank have been U qualified by AMEC. When the absolute

concentration detected in the blank is greater than the MRL, concentrations in associated samples greater than the MRL but less than 10 times the concentration detected in the blank have been U qualified by AMEC. In both cases, sample concentrations between the instrument detection limit (IDL) and MRL, and less than 5 or 10 times the concentration detected in the blank have been U qualified at the MRL concentration.

The potential high bias associated with U qualification because of analyte detection in laboratory, continuing calibration or rinsate blanks does not adversely affected data usability for routine groundwater monitoring.

Laboratory Blanks

Target analyte concentrations in laboratory blanks associated with analysis of these samples for metals are described below and a summary can be found in Table 3A:

- Dissolved vanadium was detected in laboratory blank 5040658-BLK1 at a concentration of 0.000991 mg/L. AMEC U qualified the detected dissolved vanadium results from samples RP-07-119 (005-01), RP-07-84 (008-01), MW-03-81 (009-01), and MW-03-I (010-01) because the sample concentrations were less than 5 times the associated blank concentration.
- Manganese was detected in laboratory blank 5040659-BLK1 at a concentration of 0.000234 mg/L. Because manganese was detected in the associated samples at concentrations greater than 5 times the concentration detected in the blank, data usability is not adversely affected.
- Vanadium was detected in laboratory blank 5040937-BLK1 at a concentration of 0.000785 mg/L. Because vanadium was detected in the associated samples at concentrations greater than 5 times the concentration detected in the laboratory blank, data usability is not adversely affected.
- Dissolved chromium and dissolved vanadium were detected in laboratory blank 5050082—BLK at concentrations of 0.000799 mg/L and 0.000697 mg/L, respectively. AMEC U qualified the dissolved chromium results from samples RP-04-16 (028-01) and RP-04-41 (029-01) and the dissolved vanadium result from sample RP-04-16 (028-01) because the sample concentrations were less than 5 times the concentrations detected in the blank.

Continuing Calibration Blanks

Target analyte concentrations greater than the method detection limit (MDL) in continuing calibration blanks associated with analysis of these samples for metals are described below.

- Arsenic was detected at a concentration of 0.00055 mg/L in 061_CCB and 0.00092 mg/L in 073_CCB analyzed on May 5, 2005. Because the arsenic concentrations detected in the associated samples were more than 5 times the concentrations detected in the continuing calibration blanks (CCBs), data usability is not adversely affected.
- Arsenic was detected at a concentration of 0.0007162 mg/L in 109_CCB analyzed on May 5, 2005. AMEC U qualified the arsenic result from sample RP-04-41 (029-01) because the sample concentration was less than 5 times the concentration detected in the blank.
- Vanadium was detected at a concentration of 0.00073 mg/L in 049_CCB analyzed on May 5, 2005. AMEC U qualified the dissolved vanadium result from sample RP-04-16 (028-01) because the sample concentration was less than 5 times the associated blank concentration.
- Vanadium was detected at a concentration of 0.00061 mg/L in 064_CCB analyzed on May 6, 2005. Because vanadium was detected in the associated sample at a concentration greater than 5 times the concentration detected in the CCB, data usability is not adversely affected.
- Vanadium was detected at a concentration of 0.0006081 mg/L in 061_CCB analyzed on May 6, 2005. Because dissolved vanadium was detected in the associated sample at a concentration greater than 5 times the concentration detected in the CCB, data usability is not adversely affected.
- Arsenic was detected at a concentration of 0.00074 mg/L in 084_CCB analyzed on May 10, 2005. AMEC U qualified the arsenic result from sample W-09-116 (023-01) because the sample concentration was less than 5 times the concentration detected in the blank.
- Dissolved mercury was detected at a concentration of 0.000069036 mg/L in 11_CCB analyzed on May 13, 2005. Because the associated sample was a field blank, data usability is not adversely affected.

Rinsate Blanks

Target analyte concentrations greater than the MDL in the rinsate blanks associated with analysis of these samples for metals are described below.

- Dissolved cadmium and dissolved mercury were detected at concentrations of 0.000193 mg/L and 0.0000706 mg/L, respectively, in filter rinsate blank 023-04. AMEC U qualified the dissolved cadmium results from samples RP-06-87 (016-01) and MW-10-24 (004-02) and the dissolved mercury results from sample AL2-32

(024-01) because the sample concentrations were less than 5 times the concentrations detected in the blank.

- Chromium and nickel were detected at concentrations of 0.00166 mg/L and 0.000769 mg/L, respectively, in rinsate blank 012-04. AMEC U qualified the chromium results from samples W-18-D (011-01) and W-18-I (012-01) and nickel from sample W-18-D (011-01) because the sample concentrations were less than 5 times the concentration detected in the blank.

5.2.8 LCS/LCSD Recovery and Precision

Precision and recovery were acceptable in all LCS/LCSDs associated with analysis of these water samples for metals.

5.2.9 MS/MSD Recovery and Precision

The method-specified acceptance limits for metals MS recoveries are 75% to 125%. However, spike recovery limits are not applicable when the sample concentration exceeds the spike concentration by a factor of four or more.

Because recovery and precision were acceptable for all analytes in the LCS, AMEC's qualifications of metals results in the aqueous samples based on MS recoveries are indicative of sample matrix effects. High recovery indicates a possible high bias in the reported sample concentration and would not result in the elimination of a constituent of potential concern (COPC). Data usability is, therefore, not adversely affected by J-qualification based on potential high bias. The specific limitations of low recoveries are detailed below.

Precision and recovery were acceptable in all MS associated with analysis of these samples for metals, except as described below.

- Vanadium recovery was slightly high at 131% in the MS of sample RP-02-66 (001-01). AMEC J qualified the dissolved vanadium result from this sample due to a possible high bias in the analytical result.

- Sodium recovery was low at 60.0% in the MS of sample RP-01-51 (014-01). Because the background sodium concentration in the unspiked sample at 635 mg/L was approximately 64-times the spike concentration of 10.0 mg/L, and sodium is not a COPC, data usability is not adversely affected.

- Aluminum recovery was high at 132% in the MS of sample RP-01-31 (015-01). AMEC J qualified the detected aluminum result from this sample due to a possible high bias in the analytical results.

- Manganese was not recovered in the matrix spike of sample RP-06-87 (016-01). Because the background manganese concentration in the unspiked sample, at 31.2 mg/L, was 312-times the spike concentration of 0.100 mg/L data usability is not adversely affected.

- Calcium recoveries were low in the MS/MSD of sample RP-04-16 (028-01) at 50.0% and 71.0%, respectively. Because the background calcium concentration in the unspiked sample, at 916 mg/L, was approximately 9-times the spike concentration of 10.0 mg/L, and calcium is not a COPC, data usability is not adversely affected.

- Manganese recoveries were high in the MS/MSD of sample AL2-46 (026-01) at 190% and 140%, respectively. AMEC J qualified the detected manganese result from sample AL2-46 (026-01) because of a possible high bias in the analytical results.

5.2.10 IS Recoveries

Recoveries of all IS associated with analysis of samples from this event for metals were acceptable.

5.2.11 Laboratory Duplicates

EPA CLP acceptance limits for duplicate sample analyses are ±20% RPD for sample concentrations greater than or equal to 5 times the MRL. A control limit of ± MRL is used if either the sample or duplicate result is less than 5 times the MRL. MRLs are 0.000200 mg/L for mercury; 0.00100 mg/L for arsenic, cadmium, chromium, and lead; 0.00200 mg/L for copper, manganese, and nickel; 0.00500 mg/L for vanadium and zinc; 0.100 mg/L for aluminum, calcium, iron, and magnesium; and 1.00 mg/L for potassium and sodium.

The laboratory duplicates exhibited acceptable precision, except as described below.

- Sample RP-02-66 (001-01) was analyzed in duplicate. Relative percent difference (RPDs) for cadmium and vanadium were high at 57.4% and 47.2%, respectively. Specific limitations include the following:
  - Cadmium was detected in the primary analysis at a concentration of 0.00414 mg/L and in the duplicate at a concentration of 0.00747 mg/L. Because the difference in concentrations was less than the MRL of 0.00500 mg/L, data usability for routine groundwater monitoring is not adversely affected.

- The vanadium concentration detected in the primary analysis was 0.00754 mg/L and the concentration detected in the duplicate was 0.0122 mg/L. Because the difference in concentrations was less than the MRL of 0.025 mg/L data usability for routine groundwater monitoring is not adversely affected.

- Filter Rinsate Blank (023-04) was analyzed in duplicate. The dissolved cadmium concentration detected in the primary analysis was 0.000193 mg/L and was not detected in the duplicate analysis above the MRL of 0.00100 mg/L. Because the difference in concentrations was less than the MRL of 0.00100 mg/L, data usability is not adversely affected.

- Sample RP-06-87 (016-01) was analyzed in duplicate. The RPDs for cadmium and vanadium were high at 44.2% and 30.1%, respectively. The cadmium and vanadium concentrations detected in the primary analysis were 0.000208 mg/L and 0.0047 mg/L, respectively, and the concentrations detected in the duplicate analysis were 0.000326 mg/L and 0.00347 mg/L, respectively. Because the difference between the concentrations were less than the MRLs for cadmium and vanadium of 0.00100 mg/L and 0.00500 mg/L, respectively, data usability for routine groundwater monitoring is not adversely affected.

- Sample RP-04-41 (029-01) was analyzed in duplicate. The RPDs for dissolved arsenic and dissolved zinc were high at 34.1% and 75.5%, respectively. The dissolved arsenic and dissolved zinc concentrations detected in the primary analysis were 0.00230 mg/L and 0.00413 mg/L, respectively, and the concentrations detected in the duplicate analysis were 0.00163 mg/L and 0.00914 mg/L, respectively. Because the difference between the concentrations was less than the MRLs for dissolved arsenic and dissolved zinc of 0.00100 mg/L and 0.00500 mg/L, respectively, data usability for routine groundwater monitoring is not adversely affected.

5.2.12 Data Reporting and Analytical Procedures

The laboratory did not re-analyze samples RP-04-16 (028-01) and RP-04-41 (029-01) associated with the CCVs that did not pass QC acceptance criteria for chromium. According o SW-846 Method 6020 (Section 7.8), when measurements exceed ± 10% of the accepted value, the analyses must be terminated, the problem corrected, the instrument recalibrated, and the new calibration verified. Any samples analyzed under an out-of-control calibration must be re-analyzed. Qualification of data based on this discrepancy is addressed in Section 5.2.5 of this report.

5.3 Organochlorine Pesticides by EPA Method 8081A

Organochlorine pesticides (OCPs) data from the Spring 2005 Groundwater Event may be considered usable with the limitations and exceptions described below. Summaries of qualified OCP results are presented in Table 7.

5.3.1 Holding Times

All samples were extracted and analyzed within the EPA recommended maximum holding times of 7 days for extraction and 45 days for analysis.

5.3.2 DDT/Endrin Breakdown

Breakdown is a measure of the amount of decomposition that 4,4′-DDT and endrin undergo when analyzed on the gas chromatography (GC) column. Excessive breakdown is an indication that the chromatographic system is contaminated, chemically active, or too hot. Breakdown is measured by injecting a mixture of DDT and endrin into the GC and dividing the sum of the areas of the breakdown products (DDE and DDD for DDT, and endrin aldehyde and endrin ketone for endrin) by the sums of the areas of the breakdown products and the parent compounds. Breakdown must be less than 15% for analysis to proceed and data to be fully useable. 4,4′-DDT and endrin breakdown was less than 15% each day that samples from this project were analyzed for OCPs.

5.3.3 Initial Calibration

All ICALs associated with analysis of these samples for OCPs were acceptable.

5.3.4 Continuing Calibration

Continuing calibration (CCAL) performance is evaluated in terms of %D, which corresponds to percent difference (average RF models) or percent drift (regression fit models) from the average ICAL response. To facilitate understanding of CCAL effects on data quality to the end user, %D has been expressed as % recovery in this narrative.

CCAL recoveries should fall within 85 to 115% acceptance limits. AMEC J qualified all detected results associated with CCAL recoveries greater than 115% due to a possible high bias in the analytical results. AMEC J qualified all positive results and UJ qualified all nondetected results associated with CCAL recoveries less than 85% due to a possible low bias in the analytical results.

All CCALs associated with analysis of these samples for OCPs were acceptable, except as described below.

- Endosulfan II, endrin aldehyde, methoxychlor, endosulfan sulfate, and endrin ketone recoveries were greater than 115% in CCAL 04270551 (rear) analyzed on April 28, 2005. Specific limitations include the following.
  - Because the methoxychlor and endrin ketone results from the associated samples were not reported from the associated sequence, data usability is not adversely affected.
  - Because endosulfan II, endrin aldehyde, and endosulfan sulfate were not detected in the associated samples, data usability is not adversely affected by the potential high bias.
- CCALs analyte recoveries outside the 85 to115% range in confirmation analyses are tabulated below. Agreement between sample concentrations of primary and confirmation analyses indicate that data usability is not adversely affected.

CCAL/ Analyte	CCAL Recovery	Notes
04290550 (front; analyzed April 30, 2005)		
all analytes	>115%	confirmation analysis
04290572 (front; analyzed April 30, 2005)		
all analytes	>115%	confirmation analysis
04290596 (front; analyzed April 30, 2005)		
endrin	118%	confirmation analysis
4,4'-DDD	116%	
05020522 (front; analyzed May 2, 2005)		
all analytes	< 85%	confirmation analysis
05030702 (front; analyzed May 5, 2005)		
all analytes, except heptachlor	>115%	confirmation analysis

- Recoveries of all analytes were greater than 115% in CCAL 04290572 (front), analyzed on April 30, 2005. Because the associated analyses were used for confirmational purposes only, data usability is not adversely affected.
- Endrin and 4,4’-DDD recoveries were high in CCAL 04290596 (front), analyzed on April 30, 2005 at 118% and 116%, respectively. Because the associated analyses were used for confirmational purposes only, data usability is not adversely affected.

- Recoveries of all analytes were less than 85% in CCAL 05020522 (front), analyzed on May 2, 2005. Because the associated analyses were used for confirmational purposes only, data usability is not adversely affected.
- Endrin aldehyde and endrin ketone recoveries were high at 116%, and 117%, respectively in CCAL 05120546 (front), analyzed on May 13, 2005. Because the recoveries were high and endrin aldehyde and endrin ketone were not detected in the associated sample, data usability is not adversely affected.
- Beta-BHC, delta-BHC, heptachlor epoxide, endosulfan I, dieldrin, endosulfan II, and endosulfan sulfate recoveries were greater than 115% in CCAL 05030702 (rear), analyzed on May 5, 2005. Because the associated results were used for confirmational purposes only, data usability is not adversely affected.
- Endrin ketone recovery was high at 116% in CCAL 05030689 (front), analyzed on May 5, 2005. The endrin ketone results from method blank 5041071-BLK1 and LCS/LCSD 5041071-BS1/BSD1 were reported from analyses associated with this CCAL. In AMEC's professional opinion, usability of the data set, as a whole, is not adversely affected.
- Endrin aldehyde and endrin ketone recoveries were high at 117%, and 120%, respectively in CCAL 0530701 (front), analyzed on May 5, 2005. Because the recoveries were high and endrin aldehyde and endrin ketone were not detected in the associated samples, data usability is not adversely affected.
- Endrin ketone recovery was high at 120% in CCAL 05030709 (front), analyzed on May 5, 2005. Because the recovery was high and endrin ketone was not detected in the associated samples, data usability is not adversely affected.
- Recoveries of all analytes, except for heptachlor, were greater than 115% in CCAL 05030702 (rear), analyzed on May 5, 2005. Because the associated analyses were used for confirmation purposes only, data usability is not adversely affected.

5.3.5 Laboratory and Rinsate Blanks

No target compounds were detected in any laboratory or rinsate blanks associated with analysis of samples from this event for OCPs.

5.3.6 LCS/LCSD Recovery and Precision

Target analyte recoveries were within the QAPP-specified 70 to 130% acceptance limits and precision values were less than 20% in the LCS/LCSDs associated with the analysis of these samples for OCPs, except as described below.

- RPDs for the endosulfan II, endosulfan sulfate, and methoxychlor results from LCS/LCSD 5041071-BS1/BSD1 were high at 23.4%, 26.6%, and 47.2%, respectively. Because these analytes were not detected in the associated sample, data usability is not adversely affected.

5.3.7 MS/MSD Recovery

No matrix spikes associated with the analysis of these samples for OCPs were reported.

5.3.8 Surrogate Recoveries

Surrogate recoveries associated with analysis of these samples for OCPs were within the QAPP-specified 60 to 140% acceptance limits.

5.3.9 Data Reporting and Analytical Procedures

The following anomalies were noted during review of the OCP data.

There was greater than 40% RPD between the results from the primary and confirmational analytical columns for gamma-chlordane in sample MW-10-24 (004-02). AMEC has N qualified this result as presumptive.

5.4 Chlorophenoxy Acid Herbicides by EPA Method 8151A

Herbicides data from the Spring 2005 Groundwater Event may be considered usable with the limitations and exceptions described below. Summaries of qualified herbicide results are presented in Table 8

5.4.1 Holding Times

All samples from this event were extracted for herbicides within the recommended maximum holding time of 7 days and analyzed within the maximum holding time of 40 days.

5.4.2 Initial Calibration

All ICALs associated with analysis of samples from this event for herbicides were acceptable and met all method criteria.

5.4.3 Continuing Calibration

CCAL performance is evaluated in terms of %D, which corresponds to percent difference (average RF models) or percent drift (regression fit models) from the

average ICAL response. To facilitate understanding of CCAL effects on data quality to the end user, %D has been expressed as % recovery in this narrative.

CCAL recoveries should fall within 85 to 115% acceptance limits. AMEC J qualified all detected results associated with CCAL recoveries greater than 115% due to a possible high bias in the analytical results. AMEC J qualified all detected results and UJ qualified all nondetected results associated with CCAL recoveries less than 85% due to a possible low bias in the analytical results.

All CCALs associated with analysis of these samples for herbicides were within acceptance limits, except as described below.

- On column 2, 2,4,5-T recovery was slightly low at 84.1% in CCAL 05110533.D analyzed on May 11, 2005. Because the recovery was within 1% of the lower acceptance limit, in AMEC's professional opinion, data usability is not adversely affected.
- On column 1, dalapon recovery was high at 121% in CCAL 05120501.D analyzed on May 12, 2005. Because column 1 was used for confirmational purposes, the high recovery does not adversely affect data usability.
- On column 2, dinoseb recovery was high at 125% in CCAL 05120528 analyzed on May 13, 2005. Because dinoseb was not detected in the associated samples data usability is not adversely affect.
- On column 1, dalapon recovery was high at 118% and on column 2, 2,4-D and 2,4,5-T recoveries were high at 120% in CCAL 05160524 analyzed on May 17, 2005. Specific limitations include the following:
    - Because dalapon was not detected in the associated samples the high recoveries do not adversely affect data usability.
    - Because 2,4-D results were not reported from column 2, data usability is not adversely affected.
    - AMEC J qualified the detected 2,4,5-T result from sample AL2-46 (026-01) because of a possible high bias in the analytical results.
- On column 1, dalapon recovery was high at 120% and on column 2, 2,4-D recovery on was high at 119% in CCAL 05160527 analyzed on May 17, 2005. Specific limitations include the following:
    - Because dalapon was not detected in the associated samples the high recoveries do not adversely affect data usability.
    - Because 2,4-D results were not reported from column 2, data usability is not adversely affected.

- On column 1, dalapon recovery was high at 118% and on column 2, 2,4-D and dichloroprop recoveries were high at 120% and 117%, respectively, in CCAL 05160536 analyzed on May 17, 2005. Specific limitations include the following:
  - Because dalapon and dichloroprop were not detected in the associated samples the high recoveries do not adversely affect data usability.
  - Because 2,4-D results were not reported from column 2, data usability is not adversely affected.
- On column 1, 2,4-DCAA recovery was high at 115% and on column 2, 2,4-DCAA (119%), MCPP(116%), 2,4-D (122%), and dichloroprop (120%) recoveries were high in CCAL 05160546 analyzed on May 17, 2005. Specific limitations include the following:
  - Because MCPP and dichloroprop were not detected in the associated samples the high recoveries do not adversely affect data usability.
  - Because 2,4-D results were not reported from column 2, data usability is not adversely affected.
  - Because the recoveries for the surrogate compound 2,4-DCAA were slightly high and surrogate recoveries were within acceptance limits for the associated undiluted analyses, data usability is not adversely affected.
- On column 1, 2,4-DB and dinoseb recoveries were high at 116% and 117%, respectively, and on column 2, dinoseb recovery was high at 139% in CCAL 05170523 analyzed on May 18, 2005. Because these analytes were not detected in the associated samples or the results were not reported from these columns, data usability is not adversely affected.
- On column 1, dinoseb recovery was low at 77.6% and on column 2, dalapon recovery was high at 120% in CCAL 05170533 analyzed on May 18, 2005. Specific limitations include the following:
  - Because dinoseb recovery was acceptable on column 2, data usability is not adversely affected.
  - Because dalapon was not detected in the associated samples, data usability is not adversely affected.
- On column 1, dinoseb recovery was low at 81.7% in CCAL 05170535 analyzed on May 18, 2005. Because dinoseb recovery was acceptable on column 2, data usability is not adversely affected.

5.4.4 Laboratory and Rinsate Blanks

No target analytes were detected in the laboratory or rinsate blanks associated with analysis of samples from this event for herbicides.

5.4.5 LCS/LCSD Recovery and Precision

Precision and recovery were within the QAPP-specified 70% to 130% acceptance limits in all LCS associated with analysis of these samples for herbicides except as described below.

- Dinoseb recovery was high at 137% in LCSD 5040811-BSD1. The LCS recovery was acceptable at 118% and the average recovery was acceptable at 128%. In AMEC's professional opinion, data usability is not adversely affected.
- 2,4-D (144%/142%), 2,4,5-T (154%/169%), dalapon (134%/136%), dinoseb (179%/174%), MCPA (136%/134%), and MCPP (136%/132%) recoveries were high in LCS/LCSD 5040904-BS1/BSD-1. Specific limitations include the following:
  - AMEC J qualified the detected 2,4-D and 2,4,5-T results from sample AL2-32 (024-01) and the detected dinoseb results from sample W-09-116 (023-01) due to a possible high bias in the analytical results.
  - Because the recoveries were high and dalapon, MCPA, and MCPP were not detected in the associated samples, data usability is not adversely affected.
- 2,4-D (150%/136%), 2,4,5-T (164%/171%), dalapon (132%/138%), and dinoseb (206%/185%) recoveries were high in LCS/LCSD 5041094-BS1/BSD-1. In addition, MCPA and MCPP recoveries were high in the LCS at 134% and 140%, respectively, but acceptable at 124% and 126% in the LCSD, respectively. Specific limitations include the following:
  - Because the recoveries were high and dalapon and dinoseb were not detected in the associated samples, data usability is not adversely affected.
  - Because the average recovery for MCPP was high at 133% and this analyte was not detected in the associated samples, data usability is not adversely affected.
  - Because the average recovery for MCPA was acceptable at 129%, data usability is not adversely affected.
  - AMEC J qualified the detected 2,4-D results from samples AL6-96 (025-02), AL2-46 (026-01), AL2-46 (026-02), BSTW2-61 (027-01), RP-04-16 (028-01), and RP-04-41 (029-01) and the detected 2,4,5-T results from samples AL2-46 (026-01), AL2-46 (026-02), RP-04-16 (028-01), RP-04-41 (029-01),

MW-05-70 (030-01), MW-05-24 (031-01), MW-05-34 (032-01), and MW-05-52 (033-01) due to a possible high bias in the analytical results.

- 2,4,5-T (134%/152%) recoveries were high in LCS/LCSD 50407538-BS1/BSD-1. In addition, dinoseb recovery was high in the LCSD at 132% but acceptable in the LCS at 114%. Because the recoveries were high and 2,4,5-T and dinoseb were not detected in the associated samples, data usability is not adversely affected.

5.4.6 Surrogate Recoveries

All surrogate recoveries associated with analysis of these samples for herbicides were within the QAPP-specified 70 to 130% acceptance limits for analyte-free matrices and 60 to 140% acceptance limits for field sample matrices, except as described below.

- The surrogate compound 2,4-dichlorophenylacetic acid (2,4-DCAA) was not recovered in sample AL2-32 (024-01). Because of the 100-fold dilution for this sample, data usability is not adversely affected.
- The surrogate compound 2,4-DCAA was not recovered in samples AL2-46 (026-02) and RP-04-16 (028-01). Because of the 20-fold dilutions for these samples, data usability is not adversely affected.
- The surrogate compound 2,4-DCAA was not recovered in sample MW-05-24 (031-01), MW-05-34 (032-01), and MW-05-52 (033-01). Because these samples were analyzed at multiple 20-fold, 100-fold, 1,000-fold, or 5,000-fold dilutions, data usability is not adversely affected.

5.4.7 MS/MSD Recovery and Precision

Precision and recovery were within the QAPP-specified 60 to 140% acceptance limits in all MS associated with analysis of these samples for herbicides, except as described below.

- Matrix spikes were performed on sample RP-01-65 (013-01). 2,4,5-T and dinoseb recoveries were high in the MS at 162% but acceptable in the MSD at 134% and 132%, respectively. In addition, bromoxynil recoveries were outside of acceptance limits. Specific limitations include the following:
  - Because the average 2,4,5-T and dinoseb recoveries were high and these analytes were not detected in the associated sample, data usability is not adversely affected.
  - Bromoxynil recovery was very low in the MS at 7.2% and was not recovered in the MSD. Because the recoveries were less than 15%, AMEC has R qualified

and rejected the nondetected bromoxynil result from sample RP-01-65 (013-01).

- Matrix spikes were performed on sample RP-03-52R (017-01). Dinoseb recovery was high at 142% in the MSD. Because dinoseb was not detected in this sample, data usability is not adversely affected.
- Matrix spikes were performed on sample AL6-96 (025-01). 2,4-D, 2,4,5-T, dinoseb, and bromoxynil recoveries were outside of acceptance limits. Specific limitations include the following:
  - Because 2,4-D (174%/181%), 2,4,5-T (168%/182%), and dinoseb (143%/148%) recoveries were high and these analytes were not detected in the associated sample, data usability is not adversely affected.
  - Bromoxynil was not recovered in the MS/MSD. Because the recoveries were less than 15%, AMEC R qualified and rejected the nondetected bromoxynil results from samples AL6-96 (025-01) and AL6-96 (025-02).

5.4.8 Data Reporting and Analytical Procedures

The following anomalies were noted during review of the herbicide data:

- There was greater than 40% RPD between the results from the primary and secondary analytical columns for dichloroprop in samples RP-07-119 (005-01), RP-07-84 (008-01), and RP-06-87 (016-01). AMEC N qualified the dichloroprop results as presumptive.

5.5 Volatile Organic Compounds by EPA Method 8260B

VOC data from the Spring 2005 Groundwater Sampling Event may be considered usable with the limitations and exceptions described below. Summaries of qualified VOC results are presented in Table 9.

5.5.1 Holding Times

All samples from this event were analyzed for VOCs within the recommended maximum holding time of 14 days.

5.5.2 Initial Calibration

All criteria were met for the initial calibrations associated with analysis of samples from this sampling event for VOCs.

5.5.3 Continuing Calibration

CCAL performance is evaluated in terms of %D, which corresponds to percent difference (average RF models) or percent drift (regression fit models) from the average ICAL response. To facilitate understanding of CCAL effects on data quality to the end user, %D has been expressed as percent recovery in this narrative.

Compounds with CCAL recoveries greater than 120% and detected results were J qualified by AMEC in all associated samples to indicate a possible high bias in the results. AMEC J qualified detected results or UJ qualified nondetected results associated with compounds with CCAL recoveries less than 80% to indicate possible low bias in the sample results.

All criteria were met for the CCAL associated with analysis of samples from this sampling event for VOCs except as described below:

- 2-Ethyl-1-hexanol recovery was low at 68.3% in CCAL A0415005, analyzed on April 15, 2005. AMEC UJ qualified the nondetected 2-ethyl-1-hexanol results from samples RP-02-66 (001-01), W-19-D (002-01), and W-19-I (003-01) because of possible low bias in the analytical results.
- Isobutyl alcohol (68.7%), bromoform (73.2%), and 2-ethyl-1-hexanol (34.1%) recoveries were low in CCAL A0419005, analyzed on April 19, 2005. Because the associated sample is a trip blank, data usability is not adversely affected.
- 2-Ethyl-1-hexanol recovery was low at 44.5% in CCAL B0422003, analyzed on April 22, 2005. AMEC UJ qualified the nondetected 2-ethyl-1-hexanol results from samples RP-07-119 (005-01), RP-07-84 (008-01), MW-03-81 (009-01), MW-03-I (010-01), RP-03-52R (017-01), RP-03-30R (018-01), W-11-B (019-01), W-11-D (020-01), W-11-I (021-01), W-11-S (022-01), RP-01-65 (013-01), RP-01-51 (014-01), RP-01-31 (015-01), and RP-06-87 (016-01) because of possible low bias in the analytical results.
- Chloromethane and 2-ethyl-1-hexanol recoveries were low in CCAL C0427003, analyzed on April 27, 2005 at 78.5% and 62.8%, respectively. Specific limitations include the following:
    - AMEC UJ qualified the nondetected chloromethane results from samples AL2-32 (024-01), AL96-6 (025-01), AL96-6 (025-02), W-09-116 (023-01), AL2-46 (026-01), AL2-46 (026-02), BST2W-61 (027-01), RP-04-16 (028-01), MW-05-70 (030-01), MW-05-24 (031-01), MW-05-34 (032-01), and MW-05-52 (033-01), because of a possible low bias in the analytical results.

- AMEC UJ qualified the nondetected 2-ethyl-1-hexanol results from samples AL2-32 (024-01), AL96-6 (025-01), AL96-6 (025-02), W-09-116 (023-01), AL2-46 (026-01), AL2-46 (026-02), BST2W-61 (027-01), RP-04-16 (028-01), MW-05-70 (030-01), MW-05-24 (031-01), and MW-05-52 (033-01) and J qualified the detected 2-ethyl-1-hexanol results from sample MW-05-34 (032-01), because of a possible low bias in the analytical results.

- Chloromethane (69.9%), isobutyl alcohol (73.1%), bromoform (72.8%), 1,2,3-trichloropropane (78.1%), 2-ethyl-1-hexanol (59.9%), and 1,2-dibromo-3-chloropropane (79.3%) recoveries were low in CCAL C0504003, analyzed on May 4, 2005. Specific limitations include the following:

  - AMEC UJ qualified the nondetected chloromethane, isobutyl alcohol, bromoform, 1,2,3-trichloropropane, and 2-ethyl-1-hexanol results from sample RP-04-41 (029-01) because of a possible low bias in the analytical results.
  - Because the recovery for 1,2-dibromo-3-chloropropane was within 1% of the lower QC acceptance limit, in AMEC's professional opinion, data usability is not adversely affected.

5.5.4 Blanks

Target analytes should not be found in blank samples. Results greater than the MRL but less than 5 times the concentration found in the blank, or 10 times the amount found in the blank for methylene chloride, acetone, and 2-butanone (MEK), have been U qualified. Results between the IDL and MRL, and less than 5 or 10 times the amount found in the blank have been U qualified at the MRL concentration.

Laboratory Blanks

No target analytes were detected in the laboratory blanks associated with the analysis of these samples for VOCs, except as described in the table below.

- Isobutyl alcohol (178 micrograms per liter [µg/L]), bromoform (2.57 µg/L), 1,1,2,2-tetrachloroethane (1.89 µg/L), 1,2,3-trichloropropane (1.66 µg/L), 2-ethyl-1-hexanol (406 µg/L), p-isopropyltoluene (1.08 µg/L), 1,4-dichlorobenzene (1.73 µg/L), 1,2-dichlorobenzene (6.42 µg/L), n-butylbenzene (1.6 µg/L), 1,2-dibromo-3-chloropropane (10.31 µg/L), 1,2,4-trichlorobenzene (8.7 µg/L), hexachlorobutadiene (6.46µg/L), naphthalene (14.77 µg/L), and 1,2,3-trichlorobenzene (12.66 µg/L) were detected in instrument blank 5D15001-IBL1. AMEC U qualified the 1,2,4-trichlorobenzene and naphthalene results from sample RP-02-66 (001-01) and the 1,2,3-Trichlorobenzene results

from samples RP-02-66 (001-01) and W-19-D (002-01) because the sample concentrations were less than 5 times the concentration detected in the blank.

- n-Butylbenzene (0.240 µg/L), naphthalene (0.180 µg/L), 1,2,3-trichlorobenzene (0.410 µg/L), 1,2,4-trichlorobenzene (0.340 µg/L) were detected in method blank 5040724-BLK1. Because these analytes were not detected or detected at concentrations more than 5 times the concentration in the blank in the associated samples, data usability is not adversely affected.
- n-Butyl benzene (1.16 µg/L), 1,2,4-trichlorobenzene (1.45 µg/L), hexachlorobutadiene (2.76 µg/L), naphthalene (1.26 µg/L), 1,2,3-trichlorobenzene (1.90 µg/L) were detected in instrument blank 5D22003-IBL1. AMEC U qualified the 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene results from sample MW-03-81 (009-01) because the sample concentrations were less than 5 times the concentration detected in the blank.
- 1,2-Dichlorobenzene (1.27 µg/L) and 1,2,4-trichlorobenzene (1.11 µg/L) were detected in instrument blank 5D27005-IBL2. AMEC U qualified the 1,2,4-trichlorobenzene results from samples AL2-32 (024-01), AL2-46 (026-01), AL2-46 (026-02), BSTW2-61 (027-01), MW-05-24 (031-01), MW-05-34 (032-01), and MW-05-52 (033-1) because the sample concentrations were less than 5 times the concentration detected in the blank.
- 1,2-Dichlorobenzene (0.130 µg/L) and 1,2,3-trichlorobenzene (0.310 µg/L) were detected in method blank 5041086-BLK1. Because these analytes were not detected or detected at concentrations more than 5 times the concentration in the blank in the associated samples, data usability is not adversely affected.
- 1,3,5-Trimethylbenzene (0.25 µg/L), 1,2,4-trimethylbenzene (0.25 µg/L), 1,3-dichlorobenzene, (0.17 µg/L), 1,4-dichlorobenzene (0.16 µg/L), 1,2-dichlorobenzene (0.24 µg/L), and 1,2,3-trichlorobenzene (1.35 µg/L) were detected in instrument blank 5E04004-IBL2. AMEC U qualified 1,3,5-Trimethylbenzene and 1,2,4-trimethylbenzene results from sample RP-04-41 (029-01) because the sample concentrations were less than 5 times the concentrations detected in the blank.
- Hexachlorobutadiene (0.960 µg/L) and 1,2,4-trichlorobenzene (0.280 µg/L) were detected in method blank 5050126-BLK1. AMEC U qualified the detected 1,2,4-trichlorobenzene results from sample RP-04-41 (029-01) because the sample concentration was less than 5 times the concentration detected in the blank.

Trip Blanks

No target analytes were detected in the trip blanks associated with the analysis of these samples for VOCs, except as described in the below.

- Methylene chloride was detected in Trip Blank (001-03) at a concentration of 660 µg/L. Because methylene chloride was not detected in the associated samples, data usability is not adversely affected.
- Acetone was detected in Trip Blank (017-03) at a concentration of 2.61 µg/L. AMEC U qualified the acetone result from sample RP-03-52R (017-01) because the concentration detected in the sample was less than 10 times the concentration detected in the blank.
- Methylene chloride was detected in Trip Blank (024-03) at a concentration of 0.510 µg/L. Because the methylene chloride concentration in the associated sample was more than ten times the contamination detected in the blank, data usability is not adversely affected.
- Methylene chloride was detected in Trip Blank (025-03) at a concentration of 0.650 µg/L. Because methylene chloride was not detected in the associated samples, data usability is not adversely affected.
- Methylene chloride was detected in Trip Blank (023-03) at a concentration of 0.680 µg/L. Because methylene chloride was not detected in the associated samples, data usability is not adversely affected.

Rinsate Blanks

No target analytes were detected in the rinsate blanks associated with the analysis of these samples for VOCs, except as described below.

- 1,2-Dichlorobenzene was detected in rinsate blank 029-04 at a concentration of 0.16 µg/L. Because 1,2-dichlorobenzene was detected in the associated samples at concentrations more than 5 times the concentration detected in the blank, data usability is not adversely affected.

5.5.5 LCS/LCSD Recovery and Precision

All LCS/LCSD recoveries associated with analysis of samples from this project for VOCs were within the QAPP-specified 70 to 130% acceptance limits, except as described below.

- 2-Ethyl-1-hexanol recovery was low in LCS 5040724 at 53.0%. Because the associated sample is a trip blank, data usability is not adversely affected.
- 2-Ethyl-1-hexanol recoveries were low in LCS/LCSD 5040908 at 56.0% and 62.0%, respectively. In addition, isobutyl alcohol recovery was high in LCS 5040908 at 136%. Specific limitations include the following.
  - AMEC UJ qualified the nondetected 2-ethyl-1-hexanol results from samples RP-07-119 (005-01), RP-07-84 (008-01), MW-03-81 (009-01), MW-03-I (010-01), RP-03-52R (017-01), RP-03-30R (018-01), W-11-B (019-01), W-11-D (020-01), W-11-I (021-01), W-11-S (022-01), RP-01-65 (013-01), RP-01-51 (014-01), RP-01-31 (015-01), and RP-06-87 (016-01) because of a possible low bias in the analytical results.
  - Because the isobutyl alcohol recovery was high and this analyte was not detected in the associated samples, data usability is not adversely affected.
- Isobutyl alcohol recovery was high in LCS 5041086 at 179% but acceptable in LCSD 5041086 at 118%. Because the average recovery of 149% was above the QC acceptance limits, AMEC J qualified the detected isobutyl alcohol result from sample RP-04-16 (028-01) and MW-05-34 (032-01) because of a possible high bias in the analytical results.

5.5.6 Surrogate and Internal Standard Recoveries

Recovery of all surrogates and IS associated with analysis of samples from this event for VOCs were acceptable.

5.5.7 MS/MSD Recovery and Precision

All MS/MSD recoveries associated with analysis of samples from this project for VOCs were within the QAPP-specified 60 to 140% acceptance limits, except as described below.

- Matrix spikes were performed on sample RP-02-66 (001-01). MEK and 4-methyl-2-pentanone (MIBK) recoveries were high in the MSD at 144% and 145%, respectively. In addition, 1,2-dichlorobenzene recoveries were low in the MS/MSD at 50.0% and 45.0%, respectively. Furthermore, 2-ethyl-1-hexanol recoveries were high in the MS/MSD at 150% and >300%, respectively and isobutyl alcohol recoveries were high in the MS/MSD at 146%. Specific limitations include the following.

- Because MEK, MIBK, 2-ethyl-1-hexanol, and isobutyl alcohol recoveries were high and these analytes were not detected in sample RP-02-66 (001-01), data usability is not adversely affected.
- AMEC J qualified the detected 1,2-dichlorobenzene result from sample RP-02-66 (001-01) because of possible matrix interference.

- Matrix spikes were performed on sample MW-03-81 (009-01). Isobutyl alcohol recovery was high at 150% and styrene recovery was low at 37.4% in the MSD. Specific limitations include the following.
  - Because the isobutyl alcohol recovery was high and this analyte was not detected in the associated sample, data usability is not adversely affected.
  - AMEC UJ qualified the nondetected styrene result from sample MW-03-81 (009-01) because of possible matrix interference.

5.6 Semivolatile Organic Compounds by EPA Method 8270C

Because of the well known difficulty in extracting phenols from aqueous matrices, AMEC chose to use the United States Army Corps of Engineers (USACE) measurement quality objectives for Method 8270 semivolatiles (USACE, 2001) for evaluating data usability of the acid extractable analytes (phenols) instead of using the QAPP-specified data quality indicator (DQI) goals.

SVOC results data from the Spring 2005 Groundwater Sampling Event may be considered usable with the limitations described below. Summaries of qualified SVOC results are presented in Table 10.

5.6.1 Holding Times

All samples were extracted and analyzed within the EPA recommended maximum holding time of 7 days for aqueous extraction and 45 days for analysis.

5.6.2 Initial Calibration

All criteria were met for the initial calibrations associated with analysis of samples from this sampling event for SVOCs.

5.6.3 Continuing Calibration

CCAL performance is evaluated in terms of %D, which corresponds to percent difference (average RF models) or percent drift (regression fit models) from the average ICAL response. To facilitate understanding of CCAL effects on data quality to

the end user, %D has been expressed as % recovery in this narrative. CCAL performance is evaluated in terms of percent recovery for linear and quadratic calibration models.

CCAL recoveries should fall within 80 to 120% acceptance limits. AMEC J qualified all detected results associated with CCAL recoveries greater than 120% due to a possible high bias in the analytical results. AMEC has J qualified all detected results and UJ qualified all nondetected results associated with CCAL recoveries less than 80% due to a possible low bias in the analytical results.

- Dinoseb recoveries were high in CCALs 04260504 (190%), analyzed on April 26, 2005; 05130520 (199%), analyzed on May 13, 2005; 05140502 (188%), analyzed on May 14, 2005; 05020504 (203%), analyzed on May 2, 2005; and 05030502 (189%) analyzed on May 3, 2005. Because this analyte was not detected in the associated samples, data usability is not adversely affected.
- 3,3′-Dichlorobenzidine recovery was high at 138% in CCAL 04260503, analyzed on April 26, 2005. Because this analyte was not detected in the associated sample, data usability is not adversely affected.
- Bis(2-chloroethyl)ether recovery was low at 73.6% in CCAL 05020503, analyzed on May 2, 2005. AMEC UJ qualified the nondetected bis(2-chloroethyl)ether results from samples RP-04-16 (028-01) and RP-04-41 (029-01) because of a possible low bias in the analytical results.

5.6.4 Laboratory Blanks

No SVOCs were detected in the laboratory blanks associated with these samples.

5.6.5 Rinsate Blanks

No SVOCs were detected in the rinsate blanks associated with these samples.

5.6.6 LCS/LCSD Recovery and Precision

For the purpose of this data validation report, AMEC has defaulted to the USACE-specified LCS recovery limits of 45 to 135% (USACE, 2001) for the acid extractable analytes, but applied the QAPP-specified 70 to 130% DQI goals for the base/neutral extractable analytes. Non-detected analytes with LCS recoveries less than 15% were R qualified and rejected by AMEC.

Recovery and precision for LCS/LCSDs associated with analysis of samples from this project for SVOCs were acceptable, except as described below.

- 4-Nitrophenol (34.2%/36.0%) and phenol (41.6%/39.2%) recoveries were outside the USACE-specified limits in LCS/LCSD 5040924 associated with the analysis of sample AL2-32 (024-01). AMEC UJ qualified the nondetected 4-nitrophenol and phenol results from this sample because of possible low bias in the analytical results.
- Benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzoic acid, 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 3,3'-dichlorobenzidine; 2,4-dimethylphenol; hexachlorobutadiene; hexachlorocyclopentadiene; hexachloroethane; 3-nitroaniline; 4-nitrophenol; and phenol recoveries were outside of acceptance limits in LCS/LCSD 5050437. This LCS/LCSD was associated with the analysis of samples for both phenols and the full list of SVOCs. Specific limitations include the following:
    - 3-nitroaniline recoveries were high in the LCS/LCSD at 143% and 149%, respectively. Because this analyte was not detected in the associated samples, data usability is not adversely affected.
    - Benzoic acid (15.6%/20.4%), 4-nitrophenol (36.8%/39.6%), and phenol (40.0%/43.0%) recoveries were low in the LCS and in the LCSD. AMEC UJ qualified the nondetected 4-nitrophenol and phenol results from sample AL2-46 (026-01) and UJ qualified the nondetected benzoic acid, 4-nitrophenol, and phenol results from sample W-09-116 (023-01) from work order P5E0308 because of a possible low bias in the analytical results.
    - Benzo(b)fluoranthene (66.8%/70.4%), benzo(k)fluoranthene (65.4%/75.4%), benzo(a)pyrene (65.0%/72.2%), 1,2-dichlorobenzene (61.2%/76.0%), 1,3-dichlorobenzene (57.0%/72.8%), 1,4-dichlorobenzene (59.2%/74.8%), 2,4-dimethylphenol (41.2%/67.2%), hexachlorobutadiene (67.4%/83.2%), hexachlorocyclopentadiene (55.2%/70.2%), and hexachloroethane (54.6%/ 70.8%) recoveries were low in the LCS but were acceptable in the LCSD.
        - Because the average recoveries for benzo(b)fluoranthene (68.6%), benzo(a)pyrene (68.6%), 1,2-dichlorobenzene (68.6%), 1,3-dichlorobenzene (64.9%), 1,4-dichlorobenzene (67.0%), hexachlorocyclopentadiene (62.7%), and hexachloroethane (62.7%) were low, AMEC UJ the nondetected benzo(b)fluoranthene, benzo(a)pyrene, hexachlorocyclopentadiene, and hexachloroethane results and J qualified the detected 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene results from sample W-09-116 (023-01) from work order P5E0308 because of a possible low bias in the analytical results.
        - Because the average recoveries for benzo(k)fluoranthene (70.4%), 2,4-dimethylphenol (54.2%), and hexachlorobutadiene (75.3%) were

within acceptance limits in AMEC's professional opinion, data usability is not adversely affected.

- Benzoic acid, 4-chlorophenyl phenyl ether, 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 3,3'-dichlorobenzidine; fluorene, hexachlorobutadiene; hexachlorocyclopentadiene; hexachloroethane; 3-nitroaniline; 4-nitrophenol; phenol, and 1,2,4-trichlorobenzene recoveries were outside of acceptance limits in LCS/LCSD 5040924 associated with the analyses of samples W-09-116 (023-01) and W-09-116 (023-02) from work order P5D0912. This LCS/LCSD was associated with the analysis of samples for both phenols and the full list of SVOCs. Specific limitations include the following:
    - Hexachlorobutadiene (42.0%/65.8%), hexachlorocyclopentadiene (58.0%/67.0%), hexachloroethane (29.8%/52.0%), 4-nitrophenol (34.2%/36.0%), phenol (41.6%/39.2%), 1,2-dichlorobenzene (43.6%/60.4%), 1,3-dichlorobenzene (36.2%/53.4%), and 1,4dichlorobenzene (39.2%/56.8%) recoveries were low. AMEC UJ qualified the nondetected hexachlorobutadiene, hexachlorocyclopentadiene, hexachloroethane, 4-nitrophenol, and phenol results and J qualified the detected 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene results from the associated samples because of a possible low bias in the analytical results.
    - Benzoic acid (3.1%/4.16%) recoveries were very low in the LCS/LCSD. Because the recoveries were less than 15%, AMEC has R qualified and rejected the nondetected benzoic acid results from samples W-09-116 (023-01), and W-09-116 (023-02) from work order P5D0912.
    - 3-nitroaniline (134%/139%) and 3,3′-dichlorobenzidine (142%/152%) recoveries were high in the LCS/LCSD. Because these analytes were not detected in the associated samples, data usability is not adversely affected.
    - 4-Chlorophenyl phenyl ether and fluorene recoveries were high in the LCS at 132% and 133%, respectively, but acceptable in the LCSD at 128%. Because the average recoveries at 130% and 131% were within 1% of the upper acceptance limit, data usability is not adversely affected.
    - 1,2,4-Trichlorobenzene recovery was low in the LCS at 60.8% but acceptable in the LCSD at 78.0%. Because the average recovery of 69.4% is within 1% of the lower acceptance limit, data usability is not adversely affected.
- Acenaphthylene, benzoic acid, benzyl alcohol, bis(2-chloroethyl) ether, 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; hexachlorobutadiene; hexachlorocyclopentadiene; hexachloroethane; 2-methylnaphthalene,

4-nitrophenol; phenol, and 1,2,4-trichlorobenzene recoveries were outside of acceptance limits in LCS/LCSD 5041131 associated with the analyses of samples AL2-46 (026-01, P5D1087-01), AL2-46 (026-02), BSTW2-61 (027-01), RP-04-16 (028-01), and RP-04-41 (029-01) analyzed for both phenols and the full list of SVOCs. Specific limitations include the following:

- Benzoic acid (6.0%/6.9%) recoveries were very low in the LCS/LCSD. Because the recoveries were less than 15%, AMEC has R qualified and rejected the nondetected benzoic acid results from samples RP-04-16 (028-01) and RP-04-41 (029-01).
- Benzyl alcohol (69.2%/66.5%), hexachlorobutadiene (64.8%/62.2%), hexachlorocyclopentadiene (54.6%/50.0%), hexachloroethane (53.6%/55.0%), 2-methylnaphthalene (61.0%/60.5%), 4-nitrophenol (28.4%/27.8%), phenol (28.4%/27.8%), 1,2,4-trichlorobenzene (68.8%/63.8%), 1,2-dichlorobenzene (58.2%/57.4.4%), 1,3-dichlorobenzene (54.4%/54.2%), and 1,4-dichlorobenzene (56.8%/55.6%) recoveries were low in LCS/LCSD 5041131. Specific qualification of data includes the following:
    - AMEC UJ qualified the nondetected benzyl alcohol, hexachlorobutadiene, hexachlorocyclopentadiene, hexachloroethane, 2-methylnaphthalene results and J qualified the detected 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene results from samples RP-04-16 (028-01) and RP-04-41 (029-01) because of a possible low bias in the analytical results.
    - AMEC UJ qualified the nondetected 4-nitrophenol results from samples AL2-46 (026-01, P5D1087-01), AL2-46 (026-02), BSTW2-61 (027-01), RP-04-16 (028-01), RP-04-41 (029-01), MW-05-24 (031-01), MW-05-34 (032-01), and MW-05-52 (033-01) because of a possible low bias in the analytical results.
    - AMEC UJ qualified the nondetected phenol results from samples AL2-46 (026-01), AL2-46 (026-02), RP-04-16 (028-01), RP-04-41 (029-01), MW-05-24 (031-01), and MW-05-52 (033-01) and J qualified the detected phenol result from sample BSTW2-61 (027-01) and MW-05-34 (032-01) because of a possible low bias in the analytical results.
    - AMEC UJ qualified the nondetected 1,2,4-trichlorobenzene result from sample RP-04-16 (028-01) and J qualified the detected 1,2,4-trichlorobenzene result from sample RP-04-41 (029-01) because of a possible low bias in the analytical results.
- Acenaphthylene and bis(2-chloroethyl)ether recoveries were acceptable at 76.6% and 74.8%, respectively in the LCS but were low at 68.6% and 68.2%,

respectively in the LCSD. Because the average recoveries acenaphthylene and bis(2-chloroethyl)ether were acceptable at 72.6% and 71.5%, respectively, in AMEC's professional opinion, data usability is not adversely affected.

5.6.7 MS/MSD Recovery and Precision

Matrix spikes were not performed for SVOC on any project samples.

5.6.8 Internal Standard Recoveries

IS recoveries were within the method-specified 50 to 200% acceptance limits.

5.6.9 Surrogate Recoveries

For the purpose of this Data Validation Report, AMEC has defaulted to the USACE-specified surrogate recovery limits of 35 to 140% for acid surrogate compounds, but applied the QAPP-specified DQI goals of 60 to 140% for base/neutral surrogate compounds in sample matrices. Up to one surrogate from each extraction fraction may be outside of acceptance limits without affecting data usability.

Surrogate recoveries associated with analysis of these samples for SVOCs were acceptable, except as described below.

- The acid surrogate compounds 2-fluorophenol, phenol-d_6, and 2,4,6-tribromophenol could not be recovered in samples AL2-46 (026-01), AL2-46 (026-02), BSTW2-61 (027-01). These surrogates were reported from 1:40 dilutions, which reduced the surrogate concentrations below the analytical detection limits, and the effect on data usability is indeterminate.
- Recoveries of the acid surrogate compounds 2-fluorophenol and phenol-d_6 were low at 26.3% and 19.4%, respectively, in the 1:10 dilution of sample W-09-116 (023-01). In addition, no surrogate compounds could be recovered from the 1:40 dilution of this sample. These surrogates were reported from dilutions, which reduced the surrogate concentrations below the analytical detection limits, and the effect on data usability is indeterminate.
- The acid surrogate compound phenol-d_6 was not recovered in the 1:10 dilutions of samples W-09-116 (023-01) and W-09-116 (023-02). These surrogates were reported from 1:10 dilutions, which reduced the surrogate concentrations below the analytical detection limits, and the effect on data usability is indeterminate.
- Recovery of the acid surrogate compound phenol-d_6 was low at 18.2% in the 1:4 dilution analysis of sample RP-04-16 (028-01). Because up to one surrogate from

each extraction fraction may be outside of acceptance limits data usability is not adversely affected.

- All surrogate compounds could not be recovered in sample RP-04-41 (029-01). These surrogates were reported from 1:40 and 1:200 dilutions, which reduced the surrogate concentrations below the analytical detection limits, and the effect on data usability is indeterminate.
- Recovery of the acid surrogate compound phenol-d_6 was low at 26.6% in sample 029-04. Because up to one surrogate from each extraction fraction may be outside of acceptance limits data usability is not adversely affected.
- All surrogate compounds could not be recovered in sample MW-05-24 (031-01) and MW-05-34 (032-01). These surrogates were reported from 1:100 and/or 1:2000 dilutions, which reduced the surrogate concentrations below the analytical detection limits, and the effect on data usability is indeterminate.
- The acid surrogate compound phenol-d_6 was not recovered in the eight-fold dilution of sample MW-05-52 (033-01). Because up to one surrogate from each extraction fraction may be outside of acceptance limits data usability is not adversely affected.

5.7 Polynuclear Aromatic Hydrocarbons by EPA Method 8270M-SIM

PAH data from the Spring 2005 Groundwater Sampling Event may be considered usable with the limitations described below. Summaries of qualified PAH results are presented in Table 11.

5.7.1 Holding Times

All samples were extracted and analyzed within the EPA recommended maximum holding time of 7 days for extraction and 45 days for analysis.

5.7.2 Initial Calibration

All criteria were met for the initial calibrations associated with the analysis of samples from this sampling event for PAHs.

5.7.3 Continuing Calibration

CCAL performance is evaluated in terms of %D, which corresponds to percent difference (average RF models) or percent drift (regression fit models) from the average ICAL response. To facilitate understanding of CCAL effects on data quality to the end user, %D has been expressed as % recovery in this narrative.

All CCAL recoveries were within the 80% to 120% acceptance limits

5.7.4 Laboratory Blanks

No PAHs were detected in the laboratory blanks associated with these samples.

5.7.5 LCS/LCSD Recovery and Precision

Recovery and precision for LCS/LCSDs associated with analysis of samples from this project for PAHs were within the QAPP-specified 70% to 130% recovery limits and 20% precision limit, except as described below.

- Benzo(ghi)perylene and dibenzo(a,h)anthracene recoveries were low in LCSD 5040988 at 60.4% and 48.4%, respectively, but were acceptable in LCS 5040988 at 81.2% and 71.2%, respectively. Specific limitations include the following:
  - Because the average dibenzo(a,h)anthracene recovery is low at 59.8%, AMEC UJ qualified the nondetected dibenzo(a,h)anthracene results from samples RP-03-52R (017-01), RP-03-52R (017-02), RP-03-30R (018-01) due to a possible low bias in the analytical results.
  - Because the average benzo(ghi)perylene recovery was acceptable at 70.8%, in AMEC's professional opinion data usability is not adversely affected.

5.7.6 MS/MSD Recovery and Precision

Recoveries were within the QAPP-specified 60% to 140% acceptance limits and precision values were acceptable with less than 30% RPD in the MS/MSDs associated with the analysis of samples from this project for PAHs, except as described below.

- Matrix spikes were performed on sample RP-03-52R (017-01). Benzo(ghi)perylene recoveries were low at 37.9% in the MS and 16.6% in the MSD. Dibenzo(a,h)anthracene recoveries were low at 32.8% in the MS and 14.9% the MSD. Benzo(a)pyrene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene recoveries were acceptable at 84.2%, 77.1%, and 61.7%, respectively, in the MS but low at 55.7%, 48.6%, and 32.5%, respectively, in the MSD. Specific limitations include the following:
  - AMEC UJ qualified the nondetected benzo(ghi)perylene and dibenzo(a,h)anthracene results from the samples RP-03-52R (017-01) and RP-03-52R (017-02) because of possible matrix interference.

- Because the average benzo(a)pyrene and benzo(k)fluoranthene recoveries were acceptable at 70.0% and 62.9%, respectively, in AMEC's professional opinion, data usability is not adversely affected.
- Because the average indeno(1,2,3-cd)pyrene was low at 47.1%, AMEC has UJ qualified the nondetected indeno(1,2,3-cd)pyrene results from samples RP-03-52R (017-01) and RP-03-52R (017-02) because of possible matrix interference.

5.7.7 IS Recoveries

Recovery of all IS associated with analysis of samples from this event for PAHs were acceptable.

5.7.8 Surrogate Recoveries

Surrogate recoveries associated with analysis of these samples for PAHs were within the QAPP-specified 60 to 140% acceptance limits, except as described below.

- Recoveries of the surrogate compound benzo(a)pyrene-d12 were low in samples RP-07-55 (007-01) and RP-07-30 (006-01) at 57.6% and 57.2%, respectively. EPA Method 8270C allows up to one surrogate to be outside of acceptance limits without affecting data quality and data usability is not adversely affected.

6.0 FIELD DUPLICATE RESULTS

Five field duplicate pairs out of 42 field samples were submitted to NCA. The samples were labeled blindly, so that the laboratory was not aware which samples were submitted in duplicate. Primary samples were coded with -01 appended to the blind sample ID, and duplicate samples were coded with -02 appended to the blind sample ID. Detected results for each set of field duplicates are summarized in Table 2 at the end of this document.

Precision values met the QAPP-specified acceptance limits, with RPDs for aqueous samples less than 30% for analytes with concentrations more than 5 times their PQLs, and concentrations within one MRL for analytes with concentrations less than 5 times their PQLs.

7.0 INTERLABORATORY SPLIT SAMPLE RESULTS

Five field samples were submitted to both NCA and STL. The samples were labeled blindly, so that the primary laboratory (i.e., NCA) was not aware which samples were also submitted to the QC laboratory (i.e., STL). Primary samples were coded with -01

appended to the blind sample ID, and split samples were coded with -06 appended to the blind sample ID. A summary of split sample results may be found in Table 12.

STL MRLs and MDLs are generally lower than NCA's. Analyte concentrations reported by both laboratories were generally comparable (<50% RPD), except for the dissolved chromium, dissolved nickel, alpha-chlordane, and endrin ketone analyses performed on sample MW-10-24 and the 2,4,5-T and 1,2,4-trichlorobenzene analyses performed on sample AL2-46. In all cases, except for dissolved chromium, NCA reported much higher concentrations. For these analytes, NCA demonstrated good analytical precision in the field duplicates collected with these samples and demonstrated acceptable performance on the PE sample, except for chromium which was slightly high.

Sample AL2-46 (026-01) was sampled and submitted to NCA on two separate dates. The SVOC results submitted with work order P5E0308 were used by AMEC for interlaboratory split comparisons.

8.0 DOUBLE BLIND PERFORMANCE EVALUATION SAMPLE RESULTS

PE samples were purchased in whole volume form from Resource Technology Corporation, Inc. in Laramie, Wyoming (NVLAP Code 200393-0). AMEC labeled all PE sample bottles with the appropriate analyses and submitted them to NCA as four samples with the blind IDs 001-05, 002-05, 003-05, and 004-05. There was a power failure of a sample storage refrigerator affecting PE sample (001-05) for EPA Method 8151A and PE sample (002-05) for EPA Method 8270C. The laboratory was advised to proceed with analysis of sample 001-05. The laboratory discarded PE sample (002-05).

NCA performed well on the pesticides, VOCs, and PAHs PE samples. For the metals results submitted to AMEC, the reported mercury concentration was very low. In addition the chromium, copper, and zinc concentrations were slightly high and the 2,4-D, 2,4,5-TP, and dinoseb recoveries were high.

The PE samples for metals, acid extractables, and herbicides were resubmitted to NCA. These PE samples were purchased in whole volume form from Analytical Products Group, Inc. (APG) in Belpre, Ohio. AMEC labeled all PE sample bottles with the appropriate analyses and submitted them to NCA as two samples with the blind IDs 005-05 and 006-05.

For the resubmitted samples, NCA performed well on the chlorinated herbicides PE sample. However, the lead, manganese, nickel, and vanadium concentrations were slightly high. For the acid extractable PE sample, NCA did not report concentrations

for nine of ten acid extractable analytes in the PE sample, reported a false positive for tetrachlorophenols, and the reported concentration for pentachlorophenol was very high.

NCA was requested to provide a corrective action report for the acid extractable PE on June 24, 2005. It was determined that the laboratory had switched the PE sample with another clients sample and reported incorrect sample results. The laboratory resubmitted acid extractable results were within acceptance limits.

The results of the PE analyses may be found in Table 13 at the end of this document.

9.0 SUMMARY AND CONCLUSIONS

The data are generally usable and of good quality, with the exceptions listed below.

- Several metals results from this sampling event were U qualified due to blank contamination. In addition, several metals results were J qualified due to high or low CCV recoveries, high or low interference check sample recoveries, and high matrix spike recoveries. Furthermore, the results for one sample were qualified as estimated because the sample was not properly preserved.
- AMEC J qualified the results from one NWTPH-Dx sample due to an exceeded holding time and U qualified a DRO result due to blank contamination.
- One OCP result was N qualified by AMEC because there was more than 40% difference between the analyte concentrations on the primary and secondary analytical columns.
- No OCP results were rejected by AMEC due to data quality issues.

Several of the herbicide results were N qualified by AMEC because there was more than 40% difference between the analyte concentrations on the primary and secondary analytical columns. In addition, several results were J qualified because of high CCV or LCS recoveries. Rejected herbicide results are detailed below.

- Bromoxynil results from a few samples were R qualified and rejected by AMEC because of extremely low MS/MSD recoveries. Because the LCS/LCSD recoveries were acceptable, the low MS/MSD recoveries are likely due to matrix interference and are not indicative of analytical error.

VOC results were generally qualified because of air bubbles in vials, low CCAL recoveries, high and low LCS recoveries, and low matrix spike recoveries. AMEC U qualified several results due to method blank and/or trip blank contamination. No VOC results were rejected by AMEC due to data quality issues.

SVOC and PAH results were generally qualified because of low CCAL, LCS, and/or MS recoveries. No PAH results were rejected by AMEC due to data quality issues. Rejected SVOC results are detailed below.

- Benzoic acid results from samples W-09-116 (023-01, P5D0912), W-09-116 (023-02), RP-04-16 (028-01), and RP-04-41 (029-01) were R qualified and rejected by AMEC because of very low recoveries in the LCS or in the LCSD. Because benzoic acid is not a constituent of concern at the RP site, the overall usability of the data set is not adversely affected.

REFERENCES

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U. S. Army Corps of Engineers, 2001. *Requirements for the Preparation of Sampling and Analysis Plans*, E200-1-3.

U. S. Environmental Protection Agency, 1999. *EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, EPA540/R-99/008.

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LIMITATIONS

This report was prepared exclusively for SLLI by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on:
i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by SLLI for the RP - Portland Site, 6200 N.W. St. Helens Road, Portland, Oregon only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to NCA and STL with Corresponding Laboratory IDs
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Sample Location	Field Sample ID	Sample Date	NCA Sample ID	STL Sample ID	Notes
PE Sample	001-05	04/12/2005	P5D0587-01	-	
PE Sample	002-05	04/12/2005	P5D0587-02	-	Cancelled
PE Sample	003-05	04/12/2005	P5D0587-03	-	
PE Sample	004-05	04/12/2005	P5D0587-04	-	
PE Sample	005-05	04/12/2005	P5F0236-01	-	Resubmitted PE
PE Sample	006-05	04/12/2005	P5F0236-02	-	Resubmitted PE
RP-02-66	001-01	04/13/2005	P5D0619-01	-	
W-19-D	002-01	04/13/2005	P5D0619-02	-	
W-19-I	003-01	04/13/2005	P5D0619-03	-	
Trip Blank	001-03	04/13/2005	P5D0619-04	-	Trip Blank
MW-10-24	004-01	04/13/2005	P5D0619-05	-	
MW-10-24	004-02	04/13/2005	P5D0619-06	-	Field Duplicate
MW-10-24	004-06	04/13/2005	-	127387-1	Interlaboratory Split
RP-07-119	005-01	04/14/2005	P5D0676-01	-	
RP-07-30	006-01	04/14/2005	P5D0676-02	-	Cancelled
RP-07-55	007-01	04/14/2005	P5D0676-03	-	Cancelled
RP-07-84	008-01	04/14/2005	P5D0676-04	-	
MW-03-81	009-01	04/14/2005	P5D0676-05	-	
MW-03-I	010-01	04/14/2005	P5D0676-06	-	
Trip Blank	005-03	04/14/2005	P5D0676-07	-	Trip Blank
W-18-D	011-01	04/15/2005	P5D0727-01	-	
Trip Blank	011-03	04/15/2005	P5D0727-02	-	Cancelled
W-18-I	012-01	04/15/2005	P5D0727-03	-	
Rinsate Blank	012-04	04/15/2005	P5D0727-04	-	Rinsate Blank
RP-01-65	013-01	04/18/2005	P5D0807-01	-	
Trip Blank	013-03	04/18/2005	P5D0807-02	-	Trip Blank
RP-01-51	014-01	04/18/2005	P5D0807-03	-	
RP-01-31	015-01	04/18/2005	P5D0807-04	-	
RP-06-87	016-01	04/18/2005	P5D0807-05	-	
Rinsate Blank	016-04	04/18/2005	P5D0807-06	-	Rinsate Blank
RP-03-52R	017-01	04/19/2005	P5D0870-01	-	
RP-03-52R	017-02	04/19/2005	P5D0870-02	-	Field Duplicate
Trip Blank	017-03	04/19/2005	P5D0870-03	-	Trip Blank
RP-03-52R	017-06	04/19/2005	-	127439-1	Interlaboratory Split
RP-03-30R	018-01	04/19/2005	P5D0870-04	-	
W-11-B	019-01	04/19/2005	P5D0870-05	-	
W-11-D	020-01	04/19/2005	P5D0870-06	-	
W-11-I	021-01	04/19/2005	P5D0870-07	-	
W-11-S	022-01	04/19/2005	P5D0870-08	-	
RP-02-66	001-01	04/20/2005	P5D0912-01	-	
W-19-I	003-01	04/20/2005	P5D0912-02	-	
W-19-D	002-01	04/20/2005	P5D0912-03	-	
W-18-I	012-01	04/20/2005	P5D0912-04	-	
W-18-D	011-01	04/20/2005	P5D0912-05	-	
W-09-116	023-01	04/20/2005	P5D0912-06	-	
W-09-116	023-02	04/20/2005	P5D0912-07	-	Field Duplicate
Trip Blank	023-03	04/20/2005	P5D0912-08	-	Trip Blank
W-09-116	023-06	04/20/2005	-	127439-1	Interlaboratory Split/ Cancelled

TABLE 1
Field Samples Submitted to NCA and STL with Corresponding Laboratory IDs
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Sample Location	Field Sample ID	Sample Date	NCA Sample ID	STL Sample ID	Notes
RP-07-119	005-01	04/21/2005	P5D0983-01	-	
RP-07-55	007-01	04/21/2005	P5D0983-02	-	
RP-07-84	008-01	04/21/2005	P5D0983-03	-	
RP-07-30	006-01	04/21/2005	P5D0983-04	-	
MW-03-81	009-01	04/21/2005	P5D0983-05	-	
MW-03-I	010-01	04/21/2005	P5D0983-06	-	
AL2-32	024-01	04/21/2005	P5D0983-07	-	
Trip Blank	024-03	04/21/2005	P5D0983-08	-	Trip Blank
AL6-96	025-01	04/22/2005	P5D1022-01	-	
AL6-96	025-02	04/22/2005	P5D1022-02	-	Field Duplicate
Trip Blank	025-03	04/22/2005	P5D1022-03	127497-2	Trip Blank
AL6-96	025-06	04/22/2005	-	127497-1	Interlaboratory Split
AL2-46	026-01	04/25/2005	P5D1087-01	-	
AL2-46	026-02	04/25/2005	P5D1087-02	-	Field Duplicate
Trip Blank	026-03	04/25/2005	-	127497-4	Trip Blank
AL2-46	026-06	04/25/2005	-	127497-3	Interlaboratory Split/ Cancelled
BST2W-61	027-01	04/25/2005	P5D1087-03	-	
RP-04-16	028-01	04/25/2005	P5D1087-04	-	
RP-04-41	029-01	04/25/2005	P5D1087-05	-	
Trip Blank	029-03	04/25/2005	P5D1087-06	-	Trip Blank
Rinsate Blank	029-04	04/26/2005	P5D1137-01	-	Rinsate Blank
MW-05-70	030-01	04/26/2005	P5D1137-02	-	
Trip Blank	030-03	04/26/2005	P5D1137-03	-	Trip Blank
MW-05-24	031-01	04/26/2005	P5D1137-04	-	
MW-05-34	032-01	04/26/2005	P5D1137-05	-	
MW-05-52	033-01	04/26/2005	P5D1137-06	-	
W-09-116	023-01	05/06/2005	P5E0308-02	-	
W-09-116	023-06	05/06/2005	-	127750-2	Interlaboratory Split
AL2-46	026-01	05/06/2005	P5E0308-01	-	
AL2-46	026-06	05/06/2005	-	127750-1	Interlaboratory Split
Rinsate Blank	023-04	05/06/2005	P5E0308-03	-	Filter Blank

TABLE 2
Summary of Field Duplicate Detections
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analytical Method	Analyte	MRL	Primary Result	Duplicate Result	RPD
Sample MW-10-24 (004-01 and 004-02)					
Total Metals	Total Arsenic	0.001	0.001	0.000935	7%
	Total Chromium	0.001	0.00386	0.00369	5%
	Total Copper	0.002	0.00622	0.00586	6%
	Total Lead	0.001	0.00094	0.000768	20%
	Total Nickel	0.002	0.00567	0.00517	9%
	Total Vanadium	0.005	0.00848	0.00885	4%
	Total Zinc	0.005	0.0163	0.0154	6%
Dissolved Metals	Dissolved Arsenic	0.001	0.000936	0.000474	66%
	Dissolved Cadmium	0.001	<0.000138	0.000144	NC
	Dissolved Chromium	0.001	0.00251	0.00271	8%
	Dissolved Copper	0.002	0.0053	0.00565	6%
	Dissolved Nickel	0.002	0.00400	0.00456	13%
	Dissolved Vanadium	0.005	0.00673	0.00714	6%
	Dissolved Zinc	0.005	0.0143	0.0189	28%
Pesticides	Aldrin	0.500	2.29	2.06	11%
	alpha-BHC	0.500	0.929	0.807	14%
	beta-BHC	0.500	1.70	1.50	13%
	delta-BHC	0.500	1.96	1.88	4%
	gamma-BHC (Lindane)	0.500	0.821	0.708	15%
	alpha-Chlordane	0.500	0.624	0.573	9%
	gamma-Chlordane	0.500	1.06	0.935	13%
	Dieldrin	1.000	3.71	3.88	4%
	Endrin	0.500	1.09	1.00	9%
	Endrin Ketone	0.500	2.02	1.91	6%
Sample RP-03-52R (017-01 and 017-02)					
PAHs	Fluorene	0.100	0.115	0.0959	18%
Sample AL6-96 (025-01 and 025-02)					
Herbicides	2,4-D	3.00	<1.31	2.78	NC
	2,4,5-TP	3.00	16.8	17.0	1%
	Dichloroprop	3.00	6.35	6.25	2%
VOCs	Benzene	20.0	28.0	28.8	3%
	Chlorobenzene	20.0	2140	2140	0%
	1,2-Dichlorobenzene	20.0	872	846	3%
	1,3-Dichlorobenzene	20.0	57.6	52.0	10%
	1,4-Dichlorobenzene	20.0	760	741	3%
	cis-1,2-Dichloroethene	20.0	<3.40	3.60	NC
Sample W-09-116 (023-01 and 023-02)					
SVOCs	1,2-Dichlorobenzene	200	2210	2250	2%
	1,3-Dichlorobenzene	50.0	82.3	85.6	4%
	1,4-Dichlorobenzene	50.0	767	808	5%

TABLE 2
Summary of Field Duplicate Detections
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analytical Method	Analyte	MRL	Primary Result	Duplicate Result	RPD
Sample AL2-46 (026-01 and 026-02)					
Herbicides	2,4-D	300	3480	3070	13%
	2,4-DB	60	251	232	8%
	2,4,5-T	60	153	139	10%
	Bromoxynil	60	87.9	82.8	6%
VOCs	Acetone	2500	397	471	17%
	Benzene	100	114	116	2%
	Chlorobenzene	100	652	651	0%
	1,2-Dichlorobenzene	100	10200	11000	8%
	1,3-Dichlorobenzene	100	350	374	7%
	1,4-Dichlorobenzene	100	2860	3040	6%
	1,1-Dichloroethene	100	29	29	0%
	cis-1,2-Dichloroethene	100	257	271	5%
	Ethylbenzene	100	2230	2380	7%
	Isopropylbenzene	100	47	48	2%
	Methylene Chloride	500	61	63	3%
	n-Propylbenzene	100	101	107	6%
	Toluene	100	128	138	8%
	1,2,4-Trichlorobenzene	100	27	25	8%
	Trichloroethene	100	608	649	7%
	1,2,4-Trimethylbenzene	100	624	664	6%
	1,3,5-Trimethylbenzene	100	140	148	6%
	Vinyl chloride	100	60	60	0%
	o-Xylene	100	1500	1610	7%
	m&p-Xylenes	200	2010	2160	7%
SVOCs	2-Chlorophenol	200	1710	1570	9%
	2,4-Dichlorophenol	200	1550	1330	15%
	2,6-Dichlorophenol	1000	560	506	10%
	2,4,6-Trichlorophenol	200	1260	1070	16%

VOCs = volatile organic compounds
SVOCs = semivolatile organic compounds
RPD = relative percent difference
PAH = polynuclear aromatic hydrocarbons

TABLE 3A
Analyte Detections in Laboratory Blanks
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Detected Concentration	U Qualify Results Below the Following Concentrations in Samples Associated with this Blank (5x or 10x Rule)	Associated Samples	
Laboratory Blank 5040659-BLK1				
Manganese	0.000234	0.00117	RP-02-66	001-01
			W-19-D	002-01
			W-19-I	003-01
			MW-10-24	004-01
			MW-10-24	004-02
Laboratory Blank 5040658-BLK1				
Dissolved Vanadium	0.000991	0.004955	RP-07-119	005-01
			RP-07-84	008-01
			MW-03-81	009-01
			MW-03-1	010-01
Laboratory Blank 5040937-BLK1				
Vanadium	0.000785	0.003925	AL2-32	024-01
Laboratory Blank 5050082-BLK1				
Dissolved Chromium	0.000799	0.003995	RP-04-16	028-01
			RP-04-41	029-01
Laboratory Blank 5050082-BLK1				
Dissolved Vanadium	0.000697	0.003485	RP-04-16	028-01
			RP-04-41	029-01
Laboratory Blank 5D15001-IBL1				
Isobuyl alcohol	178	890	RP-02-66	001-01
Bromoform	2.57	12.9	W-19-D	002-01
1,1,2,2-Tetrachloroethane	1.89	9.45	W-19-I	003-01
1,2,3-Trichloropropane	1.66	8.30		
2-Ethyl-1-hexanol	406	2030		
p-Isopropyltoluene	1.08	5.40		
1,4-Dichlorobenzene	1.73	8.65		
1,2-Dichlorobenzene	6.42	32.1		
n-Butylbenzene	1.60	8.00		
1,2-Dibromo-3-chloropropane	10.3	51.6		
1,2,4-Trichlorobenzene	8.70	43.5		
Hexachlorobutadiene	6.46	32.3		
Naphthalene	14.8	74.0		
1,2,3-Trichlorobenzene	12.7	63.5		
Laboratory Blank 5D22003-IBL1				
n-Butylbenzene	1.16	5.80	RP-07-119	005-01
1,2,4-Trichlorobenzene	1.45	7.25	RP-07-84	008-01
Hexachlorobutadiene	2.76	13.8	MW-03-81	009-01
Naphthalene	1.26	6.30	MW-03-I	010-01
1,2,3-Trichlorobenzene	1.90	9.50	Trip Blank	005-03
			RP-03-52R	017-01
			RP-03-52R	017-02
			Trip Blank	017-03
			W-11-B	019-01
			W-11-D	020-01
			W-11-I	021-01
			W-11-S	022-01
Laboratory Blank 5D22003-IBL2				
2-Ethyl-1-hexanol	57.1	286	RP-03-30R	018-01
1,2-Dichlorobenzene	1.21	6.05		
Laboratory Blank 5040728-BLK1				
Diesel Range Organics	0.170	0.850	RP-01-65	013-01
			RP-01-51	014-01
			RP-01-31	015-01
			RP-06-87	016-01

TABLE 3A
Analyte Detections in Laboratory Blanks
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Detected Concentration	U Qualify Results Below the Following Concentrations in Samples Associated with this Blank (5x or 10x Rule)	Associated Samples	
Laboratory Blank 5041086-BLK1				
1,2-Dichlorobenzene	0.13	0.65	W-09-116	023-01
1,2,3-Trichlorobenzene	0.31	1.6		
Laboratory Blank 5E04004-IBL2				
1,3,5-Trimethylbenzene	0.25	1.3	AL2-46	026-01
1,2,4-Trimethylbenzene	0.25	1.3	AL2-46	026-02
1,3-Dichlorobenzene	0.17	0.9	BST2W-61	027-01
1,4-Dichlorobenzene	0.16	0.8	RP-04-16	028-01
1,2-Dichlorobenzene	0.24	1.2	RP-04-41	029-01
1,2,3-Trichlorobenzene	1.35	6.8		
Laboratory Blank 5050126-BLK1				
Hexachlorobutadiene	0.96	4.8	RP-04-41	029-01
1,2,4-Trichlorobenzene	0.28	1.4		

TABLE 3B
Analyte Detections in Trip Blanks
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Detected Concentration	U Qualify Results Below the Following Concentrations in Samples Associated with this Blank (5x or 10x Rule)	Associated Samples	
Trip Blank 001-03				
Methylene Chloride	0.660	6.60	RP-02-66	001-01
			W-19-D	002-01
			MW-10-24	004-01
			MW-10-24	004-02
Trip Blank 017-03				
Acetone	2.61	26.1	RP-03-52R	017-01
			RP-03-52R	017-02
			RP-03-30R	018-01
			W-11-B	019-01
			W-11-D	020-01
			W-11-I	021-01
			W-11-S	022-01
Trip Blank 024-03				
Methylene Chloride	0.510	5.10	AL2-32	024-01
Trip Blank 025-03				
Methylene Chloride	0.650	6.50	AL6-96	025-01
			AL6-96	025-02
Trip Blank 013-03				
Methylene Chloride	0.570	5.70	RP-01-65	013-01
			RP-01-51	014-01
			RP-01-31	015-01
			RP-06-87	016-01
Trip Blank 023-03				
Methylene Chloride	0.680	6.80	W-09-116	023-01

TABLE 3C
Analyte Detections in Field Blanks
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Detected Concentration	U Qualify Results Below the Following Concentrations in Samples Associated with this Blank (5x or 10x Rule)	Associated Samples	
Rinsate Blank 023-04				
Dissolved Cadmium	0.000193	0.000965	AL2-46	026-01
Dissolved Mercury	0.0000706	0.000353	W-09-116	023-01
Rinsate Blank 012-04				
Chromium	0.00166	0.00830	W-18-D	011-01
Nickel	0.000769	0.00385	W-18-I	012-01
Rinsate Blank 029-04				
1,2-Dichlorobenzene	0.16	0.80	MW-05-70	030-01
			MW-05-24	031-01
			MW-05-34	032-01
			MW-05-52	033-01

TABLE 4
Definitions of Data Qualifiers Added as a Result of Data Validation Findings
Remaining Remedial Investigation Characterization Event
RP - Portland Site

U The U qualifier indicates that the analyte must be considered to be nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in field, trip, or laboratory blanks.

J The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the method reporting limit (MRL) or sample reporting limit (SRL), or a data limitation related to a QC element that exceeds required acceptance limits.

N The N qualifier indicates an analyte has been presumptively identified. Presumptive detection means that a chromatographic peak was detected at the correct retention time for an analyte, but that not all required identification criteria were met. The associated result is both qualitatively and quantitatively uncertain.

R The R qualifier indicates that a result has been rejected due to serious QC problems. It is not possible to definitively determine whether the analyte is present or absent in the sample.

TABLE 5
Data Qualifiers for Semivolatile Petroleum Products by DEQ/Ecology Method NWTPH-Dx
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	RP-02-66 (001-01)	W-19-D (002-01)	W-19-I (003-01)	MW-10-24 (004-01)	RP-07-119 (005-01)	RP-07-84 (008-01)	MW-03-81 (009-01)
DRO	none	none	none	none	none	none	none
RRO	none	none	none	none	none	none	none

Analyte	MW-03-I (010-01)	W-18-D (011-01)	W-18-I (012-01)	RP-01-65 (013-01)	RP-01-51 (014-01)	RP-01-31 (015-01)	RP-06-87 (016-01)
DRO	none	none	none	**U**-MB	**U**-MB	none	**U**-MB
RRO	none	none	none	none	none	none	none

Analyte	W-11-B (019-01)	W-11-D (020-01)	W-11-I (021-01)	W-11-S (022-01)	W-09-116 (023-01)	AL2-32 (024-01)	AL6-96 (025-01)
DRO	none	none	none	none	none	none	none
RRO	none	none	none	none	none	none	none

Analyte	AL2-46 (026-01)	BST2W-61 (027-01)	RP-04-16 (028-01)	RP-04-41 (029-01)	MW-05-70 (030-01)	MW-05-24 (031-01)	MW-05-34 (032-01)
DRO	none	none	none	none	none	none	none
RRO	none	none	none	none	none	none	none

Analyte	MW-05-52 (033-01)
DRO	none
RRO	none

MB = Analyte was detected in the method blank at a concentration more than 20% of the concentration detected in the sample.
EPA = United States Environmental Protection Agency
DRO = Diesel-range organics
RRO = Residual-range organics

TABLE 6
Data Qualifiers for Metals by EPA 6000/7000 Series Methods
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	RP-02-66 (001-01)	W-19-D (002-01)	W-19-I (003-01)	MW-10-24 (004-01)	MW-10-24 (004-02)	RP-07-119 (005-01)	RP-07-84 (008-01)
Dissolved Cadmium	none	-	-	none	**U**-RB	none	none
Dissolved Vanadium	**J**-HM	-	-	none	none	**U**-MB	**U**-MB
Dissolved Zinc	**J**-IH	-	-	none	none	none	none
Sodium	none	none	none	none	-	**J**-IL	**J**-IL
Vanadium	none	-	-	none	none	**J**-IH	**J**-IH

Analyte	MW-03-81 (009-01)	MW-03-I (010-01)	W-18-D (011-01)	W-18-I (012-01)	RP-01-65 (013-01)	RP-01-51 (014-01)	RP-01-31 (015-01)
Dissolved Vanadium	**U**-MB	**U**-MB	none	none	-	-	-
Aluminum	none	none	none	none	none	none	**J**-HM
Chromium	none	none	**U**-FB	**U**-FB	-	-	-
Nickel	none	none	**U**-FB	none	-	-	-
Sodium	**J**-IL	none	**J**-IL	**J**-IL	none	none	none
Vanadium	**J**-IH	none	**J**-IH	none	-	-	-

Analyte	RP-06-87 (016-01)	W-11-B (019-01)	W-11-D (020-01)	W-11-I (021-01)	W-11-S (022-01)	W-09-116 (023-01) P5D0912
Dissolved Cadmium	**U**-RB	-	-	-	-	none
Dissolved Mercury	none	-	-	-	-	none
Arsenic	none	-	-	-	-	**U**-MB

Analyte	AL2-32 (024-01)	AL6-96 (025-01)	AL2-46 (026-01)	BST2W-61 (027-01)	RP-04-16 (028-01)	RP-04-41 (029-01)	MW-05-70 (030-01)
Dissolved Chromium	none	-	-	-	**U**-MB	**U**-MB	-
Dissolved Mercury	**U**-RB	-	-	-	none	none	-
Dissolved Vanadium	none	-	-	-	**U**-MB	none	-
Aluminum	**UJ**-NP	none	none	none	none	none	none
Arsenic	**J**-NP	-	-	-	none	none	-
Cadmium	**UJ**-NP	-	-	-	none	none	-
Calcium	**J**-NP	none	none	none	none	none	-
Chromium	**J**-NP	-	-	-	**J**-CH	**J**-CH	-
Copper	**J**-NP	-	-	-	none	none	-
Iron	**J**-NP	none	none	none	none	none	none
Lead	**J**-NP	-	-	-	none	none	-
Magnesium	**J**-NP	none	none	none	none	none	none
Manganese	**J**-NP	-	**J**-HM	none	none	none	none
Nickel	**J**-NP	-	-	-	none	none	-
Potassium	**J**-NP	none	none	none	none	none	none
Sodium	**J**-NP	none	none	none	none	none	none
Vanadium	**J**-NP	-	-	-	**J**-IH	**J**-IH	-
Zinc	**J**-NP	-	-	-	none	none	-

TABLE 6
Data Qualifiers for Metals by EPA 6000/7000 Series Methods
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	MW-05-24 (031-01)	MW-05-34 (032-01)	MW-05-52 (033-01)
Total Metals	none	none	none

CH = High CCV recovery. Analytical results may be biased high.
HM = Matrix spike recovery was greater than 125%. Analytical results may be biased high.
IH = Interference check standard failed high. Analytical results may be biased high.
IL = Interference check standard failed low. Analytical results may be biased low.
LC = Low CCV recovery. Analytical Results may be biased low.
MB = Analyte was detected in the CCB or method blank at a concentration more than 20% of the concentration detected in the sample.
NA = Not Applicable.
NP = Sample arrived at the laboratory unpreserved.
RB = Rinsate blank contamination at a concentration more than 20% of the concentration detected in the sample.
EPA = United States Environmental Protection Agency

TABLE 7
Data Qualifiers for OCPs by EPA Method 8081A
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	MW-10-24 (004-01)	MW-10-24 (004-02)	W-09-116 (023-01)	RP-04-16 (028-01)	RP-04-41 (029-01)
gamma-Chlordane	none	N-SC	none	none	none

SC = Greater than 40% RPD between analytical results from primary and secondary analytical columns.
OCPs = organochlorine pesticides
EPA = United States Environmental Protection Agency

TABLE 8
Data Qualifiers for Chlorinated Herbicides by EPA Method 8151A
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	RP-02-66 (001-01)	W-19-D (002-01)	W-19-I (003-01)	RP-07-119 (005-01)	RP-07-84 (008-01)	MW-03-81 (009-01)	MW-03-I (010-01)	RP-01-65 (013-01)
Bromoxynil	none	none	none	none	none	none	none	**R**-MS
Dichlorprop	none	none	none	**N**-SC	**N**-SC	none	none	none

Analyte	RP-01-51 (014-01)	RP-01-31 (015-01)	RP-06-87 (016-01)	RP-03-52R (017-01)	W-11-B (019-01)	W-11-D (020-01)	W-11-I (021-01)	W-11-S (022-01)
Bromoxynil	none	none	**N**-SC	none	none	none	none	none

Analyte	W-09-116 (023-01)	AL2-32 (024-01)	AL6-96 (025-01)	AL6-96 (025-02)	AL2-46 (026-01)	AL2-46 (026-02)	BS12W-61 (027-01)	RP-04-16 (028-01)
Bromoxynil	none	none	**R**-MS	**R**-MS	none	none	none	none
2,4-D	none	**J**-HL	none	**J**-HL	**J**-HL	**J**-HL	**J**-HL	**J**-HL
Dinoseb	**J**-HL	none	none	none	none	none	none	none
2,4,5-T	none	**J**-HL	none	none	**J**-CH/HL	**J**-HL	none	**J**-HL

Analyte	RP-04-41 (029-01)	MW-05-70 (030-01)	MW-05-24 (031-01)	MW-05-34 (032-01)	MW-05-52 (033-01)
2,4-D	**J**-HL	none	none	none	none
2,4,5-T	**J**-HL	**J**-HL	**J**-HL	**J**-HL	**J**-HL

CH = Continuing calibration %D >15%. Analytical results may be biased high.
HL = High laboratory control sample recovery. Analytical results may be biased high.
MS = MS recovery is less than 15%. Detected analytical results have been J qualified and nondetected analytical results have been R qualified and rejected by AMEC.
SC = Greater than 40% RPD between analytical results from primary and secondary analytical columns.
EPA = United States Environmental Protection Agency

TABLE 9
Data Qualifiers for VOCs by EPA Method 8260B
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	RP-02-66 (001-01)	W-19-D (002-01)	W-19-I (003-01)	RP-07-119 (005-01)	RP-07-55 (007-01)	RP-07-84 (008-01)	MW-03-81 (009-01)
1,2-Dichlorobenzene	**J**-LM	none	none	none	none	none	none
2-Ethyl-1-hexanol	**UJ**-LC	**UJ**-LC	**UJ**-LC	**UJ**-LC/LL	none	**UJ**-LC/LL	**UJ**-LC/LL
Hexachlorobutadiene	none	none	none	none	none	none	**U**-MB
Naphthalene	**U**-MB	none	none	none	none	none	**U**-MB
Styrene	none	none	none	none	none	none	**UJ**-LM
1,2,3-Trichlorobenzene	**U**-MB	**U**-MB	none	none	none	none	**U**-MB
1,2,4-Trichlorobenzene	**U**-MB	none	none	none	none	none	**U**-MB

Analyte	MW-03-I (010-01)	RP-01-65 (013-01)	RP-01-51 (014-01)	RP-01-31 (015-01)	RP-06-87 (016-01)	RP-03-52R (017-01)	RP-03-30R (018-01)
Acetone	none	none	none	none	none	**U**-TB	none
2-Ethyl-1-hexanol	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL

Analyte	W-11-B (019-01)	W-11-D (020-01)	W-11-I (021-01)	W-11-S (022-01)	W-09-116 (023-01) P5D0912	AL2-32 (024-01)
Chloromethane	none	none	none	none	**UJ**-LC	**UJ**-LC
2-Ethyl-1-hexanol	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC/LL	**UJ**-LC	**UJ**-LC
1,2,4-Trichlorobenzene	none	none	none	none	none	**U**-MB

Analyte	AL6-96 (025-01)	AL6-96 (025-02)	AL2-46 (026-01)	AL2-46 (026-02)	BST2W-61 (027-01)	RP-04-16 (028-01)	RP-04-41 (029-01)
Acetone	none	none	none	none	**J**-AB	none	none
Benzene	none	none	none	none	**J**-AB	none	none
Bromoform	none	none	none	none	**J**-AB	none	**UJ**-LC
Bromomethane	none	none	none	none	**UJ**-AB	none	none
Chlorobenzene	none	none	none	none	**J**-AB	none	none
Chloromethane	**UJ**-LC	**UJ**-LC	**UJ**-LC	**UJ**-LC	**UJ**-AB/LC	**UJ**-LC	**UJ**-LC
1,2-Dichlorobenzene	none	none	none	none	**J**-AB	none	none
1,3-Dichlorobenzene	none	none	none	none	**J**-AB	none	none
1,4-Dichlorobenzene	none	none	none	none	**J**-AB	none	none
1,1-Dichloroethene	none	none	none	none	**J**-AB	none	none
cis-1,2-Dichloroethene	none	none	none	none	**J**-AB	none	none
2-Ethyl-1-hexanol	**UJ**-LC	**UJ**-LC	**UJ**-LC	**UJ**-LC	**UJ**-AB/LC	**UJ**-LC	**UJ**-LC
Ethylbenzene	none	none	none	none	**J**-AB	none	none
Isobutyl Alcohol	none	none	none	none	**UJ**-AB	**J**-HL	**UJ**-LC
Isopropylbenzene	none	none	none	none	**J**-AB	none	none
Methylene Chloride	none	none	none	none	**UJ**-AB	none	none
Naphthalene	none	none	none	none	**UJ**-AB	none	none
n-Propylbenzene	none	none	none	none	**J**-AB	none	none
Toluene	none	none	none	none	**J**-AB	none	none
1,2,4-Trichlorobenzene	none	none	**U**-MB	**U**-MB	**U**-MB, **UJ**-AB	none	**U**-MB
Trichloroethene	none	none	none	none	**J**-AB	none	none
1,2,3-Trichloropropane	none	none	none	none	**UJ**-AB	none	**UJ**-LC
1,2,4-Trimethylbenzene	none	none	none	none	**J**-AB	none	**U**-MB
1,3,5-Trimethylbenzene	none	none	none	none	**J**-AB	none	**U**-MB
Vinyl Chloride	none	none	none	none	**J**-AB	none	none
m,p-Xylene	none	none	none	none	**J**-AB	none	none
o-Xylene	none	none	none	none	**J**-AB	none	none
All other VOCs	none	none	none	none	**UJ**-AB	none	none

TABLE 9
Data Qualifiers for VOCs by EPA Method 8260B
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	MW-05-70 (030-01)	MW-05-24 (031-01)	MW-05-34 (032-01)	MW-05-52 (033-01)
Chloromethane	**UJ**-LC	**UJ**-LC	**UJ**-LC	**UJ**-LC
2-Ethyl-1-hexanol	**UJ**-LC	**UJ**-LC	**J**-LC	**UJ**-LC
Isobutyl Alcohol	none	none	**J**-HL	none
1,2,4-Trichlorobenzene	none	**U**-MB	**U**-MB	**U**-MB

AB = Headspace in VOA vials
HL = Laboratory control sample recovery for this analyte is higher than the QAPP-specified maxiumum of 130%.
LC = Continuing calibration recovery is less than 80%. Analytical results may be biased low.
LL = Laboratory control sample recovery for this analyte is lower than the QAPP-specified minimum recovery of 70%.
LM = Matrix spike recovery for this analyte is lower than the QAPP-specifid minimum recovery of 60%.
MB = Analyte was detected in the method blank at a concentration more than 20% of the concentration detected in the sample.
TB = Analyte was detected in the trip blank at a concentration more than 20% (or 10%) of the concentration detected in the sample.
VOCs = volatile organic compounds
EPA = United States Environmental Protection Agency

TABLE 10
Data Qualifiers for SVOCs, Including Phenols, by EPA Method 8270C
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	W-09-116 (023-01) P5E0308	W-09-116 (023-01) P5D0912	W-09-116 (023-02)	AL2-32 (024-01)	AL2-46 (026-01) P5E0308	AL2-46 (026-01) P5D1087
Benzoic acid	**UJ**-LL	**R**-BS	**R**-BS	-	-	-
Benzo(b)fluoranthene	**UJ**-LL	none	none	-	-	-
Benzo(a)pyrene	**UJ**-LL	none	none	-	-	-
1,2-Dichlorobenzene	**J**-LL	**J**-LL	**J**-LL	-	-	-
1,3-Dichlorobenzene	**J**-LL	**J**-LL	**J**-LL	-	-	-
1,4-Dichlorobenzene	**J**-LL	**J**-LL	**J**-LL	-	-	-
Hexachlorobutadiene	none	**UJ**-LL	**UJ**-LL	-	-	-
Hexachlorocyclopentadiene	**UJ**-LL	**UJ**-LL	**UJ**-LL	-	-	-
Hexachloroethane	**UJ**-LL	**UJ**-LL	**UJ**-LL	-	-	-
4-Nitrophenol	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL
Phenol	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL

Analyte	AL2-46 (026-02)	BST2W-61 (027-01)	RP-04-16 (028-01)	RP-04-41 (029-01)	MW-05-24 (031-01)	MW-05-34 (032-01)
Benzoic Acid	-	-	**R**-BS	**R**-BS	-	-
Benzyl Alcohol	-	-	**UJ**-LL	**UJ**-LL	-	-
Bis(2-chloroethyl)ether	-	-	**UJ**-LC	**UJ**-LC	-	-
1,2-Dichlorobenzene	-	-	**J**-LL	**J**-LL	-	-
1,3-Dichlorobenzene	-	-	**J**-LL	**J**-LL	-	-
1,4-Dichlorobenzene	-	-	**J**-LL	**J**-LL	-	-
Hexachlorobutadiene	-	-	**UJ**-LL	**UJ**-LL	-	-
Hexachlorocyclopentadiene	-	-	**UJ**-LL	**UJ**-LL	-	-
Hexachloroethane	-	-	**UJ**-LL	**UJ**-LL	-	-
2-Methylnaphthalene	-	-	**UJ**-LL	**UJ**-LL	-	-
4-Nitrophenol	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL
Phenol	**UJ**-LL	**J**-LL	**UJ**-LL	**UJ**-LL	**UJ**-LL	**J**-LL
1,2,4-Trichlorobenzene	-	-	**UJ**-LL	**J**-LL	-	-

Analyte	MW-05-52 (033-01)
4-Nitrophenol	**UJ**-LL
Phenol	**UJ**-LL

LC = Continuing calibration recovery is less than 80%. Analytical results may be biased low.
LL = LCS recovery is less than 45% (acid) or 70% (base/neutral) but greater than 15%. Analyte recovery may be biased low.
BS = LCS recovery is less than 15%. Presence of analyte could not be determined.
NA = Not applicable
SVOCs = semivolatile organic compounds
EPA = United States Environmental Protection Agency

TABLE 11
Data Qualifiers for PAHs by EPA Method 8270-SIM
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	RP-07-119 (005-01)	RP-07-30 (006-01)	RP-07-55 (007-01)	RP-07-84 (008-01)	RP-03-52R (017-01)	RP-03-52R (017-02)	RP-03-30R (018-01)
Benzo(ghi)perylene	none	none	none	none	UJ-LM	UJ-LM	none
Dibenzo(a,h)anthracene	none	none	none	none	UJ-LL/LM	UJ-LL/LM	UJ-LL
Indeno(1,2,3-cd)pyrene	none	none	none	none	UJ-LM	UJ-LM	none

LL = Laboratory contol sample recovery is less than 70% but greater than 15%. Analyte recovery may be biased low.
LM = Matrix spike recovery is less than 60% but greater than 15%. Analyte recovery may be biased low.
PAH = polynuclear aromatic hydrocarbons
EPA = United States Environmental Protection Agency

TABLE 12
Interlaboratory Split Samples Submitted to NCA and STL
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte Class	Analyte	Primary Result (NCA)	Split Result (STL)	RPD
Sample MW-10-24 (004-01 and 004-06)				
Total Metals	Total Arsenic	0.001	<0.001	NC
	Total Chromium	0.00386	0.00543	34%
	Total Copper	0.00622	0.00559	11%
	Total Lead	0.00094	<0.001	NC
	Total Nickel	0.00567	0.00407	33%
	Total Vanadium	0.00848	0.00786	8%
	Total Zinc	0.0163	0.0141	14%
Dissolved Metals	Dissolved Arsenic	0.000936	0.00126	30%
	Dissolved Cadmium	<0.000138	0.000053	NC
	Dissolved Chromium	0.00251	0.00505	67%
	Dissolved Copper	0.00530	0.00412	25%
	Dissolved Lead	<0.000224	0.000121	NC
	Dissolved Nickel	0.00400	0.00214	61%
	Dissolved Vanadium	0.00673	0.00623	8%
	Dissolved Zinc	0.0143	0.0149	4%
Pesticides	Aldrin	2.29	2.18	5%
	alpha-BHC	0.929	0.725	25%
	beta-BHC	1.70	1.31	26%
	delta-BHC	1.96	2.09	6%
	gamma-BHC (Lindane)	0.821	0.617	28%
	alpha-Chlordane	0.624	0.375	50%
	gamma-Chlordane	1.06	1.06	0%
	4,4'-DDD	<0.500	0.364	NC
	4,4'-DDE	<0.250	0.427	NC
	4,4'-DDT	<0.250	1.43	NC
	Dieldrin	3.71	4.57	21%
	Endosulfan II	<0.500	0.598	NC
	Endosulfan Sulfate	<0.250	0.151	NC
	Endrin	1.09	1.52	33%
	Endrin Aldehyde	<0.500	0.338	NC
	Endrin Ketone	2.02	0.189	166%
	Heptachlor	<0.250	0.399	NC
	Heptachlor Epoxide	<0.250	0.204	NC
	Methoxychlor	<0.250	0.324	NC

TABLE 12
Interlaboratory Split Samples Submitted to NCA and STL
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte Class	Analyte	Primary Result (NCA)	Split Result (STL)	RPD
Sample RP-03-52R (017-01 and 017-06)				
PAHs	Naphthalene	<0.0500	0.00729	NC
	Fluorene	0.115	0.0753	42%
	Phenanthrene	<0.0500	0.00377	NC
	Anthracene	<0.0500	0.014	NC
	Fluoranthene	<0.0500	0.00747	NC
	Pyrene	<0.0500	0.00502	NC
	Benzo(a)pyrene	<0.0500	0.00167	NC
Sample AL6-96 (025-01 and 025-06)				
Herbicides	MCPP	<300	13.7	NC
	2,4,5-TP (Silvex)	16.8	15	11%
	Dichlorprop	6.35	4.2	41%
VOCs	Vinyl chloride	<20	2.09	NC
	1,1-Dichloroethene	<20	0.335	NC
	trans-1,2-dichloroethene	<20	1.04	NC
	cis-1,2-dichloroethene	<20	4.25	NC
	Benzene	28.0	32.3	14%
	1,2-Dichloroethane	<20	0.293	NC
	Trichloroethene	<20	1.2	NC
	Toluene	<20	0.694	NC
	Chlorobenzene	2140	2320	8%
	m,p-xylene	<20	2.3	NC
	o-xylene	<40	1.36	NC
	Isopropylbenzene	<20	1.31	NC
	n-Propylbenzene	<20	0.408	NC
	2-Chlorotoluene	<20	0.149	NC
	1,3,5-Trimethylbenzene	<20	0.307	NC
	t-Butylbenzene	<20	0.116	NC
	1,2,4-Trimethylbenzene	<20	1.58	NC
	1,3-Dichlorobenzene	57.6	74.3	25%
	1,4-Dichlorobenzene	760	868	13%
	1,2-Dichlorobenzene	872	884	1%
	1,2,4-Trichlorobenzene	<20	1.55	NC
	1,2,3-Trichlorobenzene	<20	0.55	NC
	Naphthalene	<20	0.122	NC
Sample W-09-116 (023-01 and 023-06)				
SVOCs	1,2-Dichlorobenzene	2190	2070	6%
	1,3-Dichlorobenzene	70.1	59.8	16%
	1,4-Dichlorobenzene	663	664	0%
	2,4-Dichlorophenol	<50	4.12	NC
	1,2,4-Trichlorobenzene	<50	0.678	NC
	Naphthalene	<50	0.663	NC
	4-Chloro-3-methylphenol	<50	1.06	NC
	2,4,6-Trichlorophenol	<50	0.962	NC
	2,4,5-Trichlorophenol	<50	0.113	NC
	Dibenzofuran	<50	0.0347	NC
	Pentachlorophenol	<100	0.257	NC
	Phenanthrene	<50	0.00842	NC
	Di-n-butylphthalate	<50	0.169	NC
	Fluoranthene	<50	0.00573	NC
	Pyrene	<50	0.00581	NC
	bis(2-Ethylhexyl)phthalate	<100	7.48	NC
	Di-n-octylphthalate	<50	0.055	NC

TABLE 12
Interlaboratory Split Samples Submitted to NCA and STL
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte Class	Analyte	Primary Result (NCA)	Split Result (STL)	RPD
Sample AL2-46 (026-01 and 026-06)				
Herbicides	Dicamba	<60	71.6	NC
	MCPA	<6000	205	NC
	Dichlorprop	<60	3.51	NC
	2,4-D	3480	4010	14%
	Pentachlorophenol	NR	30.3	NC
	2,4,5-TP (Silvex)	<60	5.16	NC
	2,4,5-T	153	69	76%
	2,4-DB	251	179	33%
VOCs	Vinyl chloride	60.0	51.8	15%
	Acetone	397	NR	NC
	1,3,5-Trimethylbenzene	140	<1	NC
	1,1-Dichloroethene	29.0	30.4	5%
	Methylene chloride	61.0	48.6	23%
	trans-1,2-dichloroethene	<100	9.29	NC
	cis-1,2-dichloroethene	250	278	11%
	Chloroform	<100	1.65	NC
	Benzene	114	128	12%
	Trichloroethene	608	703	14%
	1,2-Dichloropropane	<100	0.763	NC
	Toluene	128	140	9%
	Tetrachloroethene	<100	2.18	NC
	Chlorobenzene	652	637	2%
	Ethylbenzene	2230	2320	4%
	m,p-xylene	2010	2190	9%
	o-xylene	1500	1150	26%
	Styrene	<100	54.6	NC
	Isopropylbenzene	47.0	51.1	8%
	n-Propylbenzene	101	117	15%
	4-Chlorotoluene	<100	3.26	NC
	1,2,4-Trimethylbenzene	624	748	18%
	sec-Butylbenzene	<100	2.46	NC
	1,3-Dichlorobenzene	350	381	8%
	4-Isopropyltoluene	<100	1.55	NC
	1,4-Dichlorobenzene	2860	3080	7%
	n-Butylbenzene	<100	3.44	NC
	1,2-Dichlorobenzene	10200	11300	10%
	1,2,4-Trichlorobenzene	27.0	14.1	63%
	1,2,3-Trichlorobenzene	<100	3.66	NC
	Naphthalene	<100	1.91	NC
SVOCs	Phenol	<200	33.3	NC
	2-Chlorophenol	1150	1530	28%
	2-Methylphenol	<400	102	NC
	2,4-Dichlorophenol	669	1020	42%
	4-Chloro-3-methylphenol	<200	3570	NC
	2,4,6-Trichlorophenol	760	840	10%
	2,4,5-Trichlorphenol	<200	50.7	NC
	Pentachlorophenol	<300	34.6	NC

RPD = Relative Percent Difference
NC = Not Calculable
NR = Not Reported
NCA = North Creek Analytical, Inc.
PAH = polynuclear aromatic hydrocarbons
STL = Severn Trent Laboratories, Inc.
SVOCs = semivolatile organic compounds
VOCs = volatile organic compounds

TABLE 13
Performance Evaluation Sample Results
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Certified Value	Reported Concentration	Acceptance Limits	%Recovery
Metals				
Arsenic	0.429	0.49	0.357 - 0.501	114%
Cadmium	0.595	0.672	0.51 - 0.679	113%
Chromium	0.815	0.934	0.71 - 0.92	**115%**
Copper	0.355	0.398	0.32 - 0.39	**112%**
Lead	2.03	2.16	1.8 - 2.27	106%
Mercury	0.00565	0.00132	0.004 - 0.00714	**23%**
Nickel	2.52	2.63	2.26 - 2.77	104%
Vanadium	8.27	8.81	7.46 - 9.08	107%
Zinc	1.92	2.18	1.7 - 2.14	**114%**
Pesiticides				
Aldrin	1.29	1.24	0.41 - 2.18	96%
4,4'-DDD	0.933	1.23	0.474 - 1.39	132%
4,4'-DDE	2.55	2.09	1.31 - 3.78	82%
4,4'-DDT	3.60	2.99	1.82 - 5.39	83%
Dieldrin	2.25	2.06	1.22 - 3.27	92%
Heptachlor	1.74	1.27	0.556 - 2.92	73%
Heptachlor Epoxide	3.14	2.92	1.78 - 4.5	93%
alpha-BHC	2.47	2.32	1.2 - 3.74	94%
beta-BHC	29.8	24.6	12.8 - 46.9	83%
delta-BHC	20.7	18.5	5.79 - 35.6	89%
Endosulfan I	7.51	6.4	3.34 - 11.7	85%
Endosulfan II	31.7	28.6	6.54 - 56.9	90%
Endosulfan sulfate	18.6	16.2	3.39 - 33.9	87%
Endrin aldehyde	3.38	4.07	1.55 - 5.21	120%
gamma-BHC (Lindane)	19.3	16.9	6.82 - 31.7	88%
Methoxychlor	15.9	14	7.33 - 24.5	88%
Chlorinated Herbicides				
2,4-D	6.27	14.9	0.00 - 12.8	**238%**
2,4,5-T	1.68	4.03	0 - 3.49	**240%**
2,4,5-TP (Silvex)	1.46	2.06	0 - 2.94	141%
Dicamba	7.01	8.14	0.845 - 13.2	116%
Dichlorprop	6.02	6.04	1.16 - 10.9	100%
Dinoseb	3.25	7.18	0 - 6.58	**221%**
PAHs				
Acenaphthene	56.4	59.3	26 - 86.9	105%
Acenaphthylene	129	134	64.3 - 193	104%
Anthracene	101	83.0	42.7 - 160	82%
Benzo(a)anthracene	144	125	81.5 - 206	87%
Benzo(a)pyrene	92.7	74.1	32.9 - 153	80%
Benzo(b)fluoranthene	72.5	49.8	20.8 - 124	69%
Benzo(b+k)fluoranthene	72.5	49.8	20.8 - 124	69%
Benzo(ghi)perylene	19.7	16.0	1.5 - 37.8	81%
Dibenz(a,h)anthracene	21.4	16.6	6.3 - 36.6	78%
Fluoranthene	13.6	10.1	9.19 - 18	74%
Fluorene	162	142	79.8 - 244	88%
Naphthalene	39.2	34.6	14.70 - 63.7	88%
Phenanthrene	34.3	30.0	21.6 - 47	87%
Pyrene	35.6	105	56.4 - 226	295%

TABLE 13
Performance Evaluation Sample Results
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Certified Value	Reported Concentration	Acceptance Limits	%Recovery
Volatile Organic Compounds				
Acetone	60.9	101	0 - 153	166%
Benzene	11.6	10.9	7.92 - 15.3	94%
Bromodichloromethane	73.7	86.6	52.1 - 95.3	118%
Bromoform	35.0	30.2	22.3 - 47.7	86%
2-Butanone	65.9	86.8	0.0 - 148	132%
Carbon Disulfide	29.7	29.4	19.6 - 39.8	99%
Carbon Tetrachloride	48.7	44.9	29.7 - 67.7	92%
Chlorobenzene	61.2	58.6	43.5 - 78.9	96%
Chloroform	62.5	64.4	43.8 - 81.1	103%
Chloromethane	34.2	20.6	9.7 - 58.6	60%
Dibromochloromethane	37.5	39.6	24.9 - 50	106%
1,2-Dibromoethane	13.6	14.8	10.5 - 16.7	109%
Dibromomethane	27.0	29.1	18.8 - 35.1	108%
1,2-Dichlorobenzene	16.5	16.5	11.4 - 21.5	100%
1,3-Dichlorobenzene	22.3	22.1	15.9 - 28.7	99%
1,4-Dichlorobenzene	14.0	13.4	9.47 - 18.5	96%
1,1-Dichloroethane	16.6	16.0	8.83 - 24.4	96%
1,2-Dichloroethane	19.4	20.2	13.2 - 25.5	104%
1,1-Dichloroethene	15.3	14.2	6.2 - 24.3	93%
cis-1,2-Dichloroethene	12.9	13.2	7.4 - 18.4	102%
1,2-Dichloropropane	48.0	51.2	33.8 - 62.2	107%
cis-1,3-Dichloropropene	31.2	31.2	21.8 - 40.6	100%
trans-1,3-Dichloropropene	24.4	28.0	10.6 - 38.2	115%
Ethylbenzene	26.2	25.6	17.8 - 34.5	98%
4-Methyl-2-pentanone	25.6	26.9	16.2 - 35	105%
Methylene Chloride	30.1	29.8	18.8 - 41.3	99%
Naphthalene	8.44	8.75	4.12 - 12.8	104%
Styrene	71	75.4	36.5 - 106	106%
Tetrachloroethene	13.8	13.6	9.2 - 18.4	99%
Toluene	25.2	24.0	18.1 - 32.2	95%
1,1,1-Trichloroethane	76.2	74.2	49.9 - 102	97%
Trichloroethene	29.9	28.7	20 - 39.8	96%
1,2,4-Trimethylbenzene	16.3	16.6	8.43 - 24.2	102%
1,3,5-Trimethylbenzene	18.8	19.1	9.71 - 27.9	102%
o-Xylene	8.22	7.57	3.28 - 13.2	92%
m,p-Xylene	12.4	11.5	5.81 - 18.9	93%

TABLE 13
Performance Evaluation Sample Results
Spring 2005 Groundwater Sampling Event
RP - Portland Site

Analyte	Certified Value	Reported Concentration	Acceptance Limits			%Recovery
Metals Resubmitted						
Aluminum	0.860	0.862	0.739	-	0.999	100%
Arsenic	0.108	0.0903	0.087	-	0.129	84%
Cadmium	0.186	0.2	0.161	-	0.216	108%
Chromium	0.126	0.138	0.110	-	0.148	110%
Copper	0.0523	0.0617	0.0461	-	0.0633	118%
Iron	0.392	0.434	0.351	-	0.456	111%
Lead	1.21	1.44	1.08	-	1.37	**119%**
Mercury	0.0211	0.0195	0.0156	-	0.0258	92%
Manganese	1.39	1.78	1.29	-	1.59	**128%**
Nickel	1.07	1.35	0.960	-	1.18	**126%**
Vanadium	5.99	7.32	5.33	-	6.48	**122%**
Zinc	0.279	0.295	0.246	-	0.320	106%
Chlorinated Herbicides Resumbitted						
2,4-D	8.44	9.4	0	-	12.4	111%
2,4,5-T	3.45	4.8	0.0821	-	5.23	139%
2,4,5-TP (Silvex)	3.48	4.71	0.113	-	5.09	135%
Dicamba	8.08	8.73	0.718	-	11.7	108%
Dinoseb	8.39	12.2	0	-	15.3	145%
Semivolatiles Resubmitted						
4-Chloro-3-methylphenol	40.7	29.7	14.8	-	53.4	73%
2-Chlorophenol	55.7	37.5	18.8	-	77	67%
2,4-Dichlorophenol	113	74.5	42.2	-	141	66%
2,4-Dimethylphenol	90.7	60.2	19.7	-	125	66%
2-Nitrophenol	174	110	54.2	-	243	63%
4-Nitrophenol	137	103	0	-	190	75%
Pentachlorophenol	127	114	35.4	-	182	90%
Phenol	131	67.1	0	-	185	51%
2,4,5-Trichlorophenol	172	123	65.8	-	239	72%
2,4,6-Trichlorophenol	184	122	57.3	-	236	66%

PAH = polynuclear aromatic hydrocarbons

APPENDIX D

Spring 2005 Post-Characterization Groundwater Monitoring
Event 90-Day Investigation-Derived Waste Log

SOIL AND PPE/DEBRIS
90-DAY INVESTIGATION DERIVED WASTE LOG
RI/FS
RP - Portland Site

Container Number	Date	Area/location(s)		Type of Waste	Activity Description	Samples collected for lab analysis (for soil)? (Y or N)	Amount/Volume Transferred	Remaining Capacity of Drum (in %)
Example: 048	*4/22/2002*	*NRA*	*RP-07-S*	*drill cuttings*	*Spr 2000 GW*	*N*	*1/2 drum*	*50%*
188	4/12/2005	LA IA NRA	on site/offsite	PPE	Spring 2005 GW	N	½ Drum	50%
188	4/13/2005	Arkema IA	RP-02-66 MW-03-24 W-19-I W-19-D	PPE Sample tubing	✓	✓	30%	20%
189	4/14/2005	Sitework	RP-07 series MW-03-81, MW-03-I	PPE Sample tubing	✓	✓	85%	15%
190	4/15/2005	Arkema well	W-18-D W-18-I	PPE Sample tubing	✓	✓	½ Drum	50%
190	4/18/05	Fontana Wood	RP-01-31 RP-01-65 RP-01-51 RP-01-87	PPE Sample tubing	✓	✓	½ Drum	Full
190	4/19/05	NRA ESCO	RP-03-30R RP-03-52P W-11-B, W-11-D, W-11-I, W11-S	PPE Sample Tubing	✓	✓	20%	Full
191	4/20/05	ARKEMA PGE LA	W-19-I, W-19-D, RP-02-66, W-18-I, W-18-D, OF	PPE Sample Tubing	✓	✓	50%	50%
189	4/20/05	LA	W-09-116	PPE Sample Tubing	✓	✓	15%	Full
191	4/21/05	Sitework LA	RP-07-119, RP-07-55, RP-07-34, RP-07-30, MW-03-81, MW-03-I, AS2-32	PPE Sample Tubing	✓	✓	50%	Full

Notes:

LA = Lake Area
IA = Insecticide Area
HA = Herbicide Area
NRA = Non-RP Area

SOIL AND PPE/DEBRIS
90-DAY INVESTIGATION DERIVED WASTE LOG
RI/FS
RP - Portland Site

Container Number	Date	Area/location(s)		Type of Waste	Activity Description	Samples collected for lab analysis (for soil)? (Y or N)	Amount/Volume Transferred	Remaining Capacity of Drum (in %)
Example: 048	*04/22/2002*	*NRA*	*RP-07-S*	*drill cuttings*	*Spr 2000 GW*	*N*	*1/2 drum*	*50%*
192	4/22/2005	LA	AL6-96	PPE sample tubing	SP 2005GW	N	10%	90%
192	4/25/2005	LA	AL2-46, RP01-41 05SP40-6, RP-04-46	PPE sample tubing	↓	↓	60%	30%
192	4/26/05	RP	MW-05 series	PPE Sample Tubing	↓	↓	30%	0% Full

Notes
LA = Lake Area
IA = Insecticide Area
HA = Herbicide Area
NRA = Non-RPAC Area

SOIL AND PPE/DEBRIS
90-DAY INVESTIGATION DERIVED WASTE LOG
RI/FS
RP - Portland Site

Container Number	Date	Area/location(s)		Type of Waste	Activity Description	Samples collected for lab analysis (for soil)? (Y or N)	Amount/Volume Transferred	Remaining Capacity of Drum (in %)
Example: 048	*04/22/2002*	*NRA*	*RP-07-S*	*drill cuttings*	*Spr 2000 GW*	*N*	*1/2 drum*	*50%*
198	5/6/05	LA	AL2-46, W-09-116 resampling	PPE, tubing, plastic	Spring 2005 GW sampling	N	15% of Drum	85%

Notes: LA = Lake Area
IA = Insecticide Area
HA = Herbicide Area
NRA = Non-RPAC Area

DAILY WATER DISPOSAL LOG
RI/FS
RPAC - Portland Site

Date	Area/Location(s)		Type of Waste	Activity Description	Volume Generated/Transferred (Give Units of Measure)
Example: 4/22/2002	*LA*	*RP-04-16*	*Purge Water*	*Fall 2001 GW*	*15 gallons*
4/12/2005	onsite offsite	Decon H2O from 2005 Annual GW event All wells	Decon H2O	Spring 2005 GW	~25 gallons
4/13/2005	Arkema IA	RP-02-66 W-19-I W-19-D MW-10-24	Purge Water Decon H2O	↓	~12 gallons
4/14/2005	Silmar	RP-07 series MW-03-I MW-03-81	Purge Water Decon H2O	↓	~18 gallons
4/15/2005	HA 30 wells	W-18-D W-18-I	Purge Decon H2O	↓	~5 gallons
4/18/2005	NRA	RP-01-31 RP-01-65 RP-01-51 RP-06-87	Purge Decon H2O	↓	~10 gallons
4/19/2005	NRA ESCO	RP-03-30R W-11 series RP-03-52P	Purge Decon H2O	↓	~15 gallons
4/20/2005	ARKEMA PGE LA	W-19-I, W-19-D, RP-02-66, W-18-I, W-18-D, W-9-116	Purge Decon H2O	↓	~15 gallons
4/21/2005	Silmar LA	RP-07-119, RP-07-55, RP-07-84, RP-07-30 AS2-32, MW-03-81, MW-03-I	Purge Decon H2O	↓	~17 gallons
4/22/2005	LA	AL6-96	Purge Decon H2O	↓	~5 gallons
4/25/2005	LA	AL2-46 RP04-11 BSDW-61 RP04-41	↓	↓	~14 gallons

Notes:
LA = Lake Area
IA = Insecticide Area
HA = Herbicide Area
NRA = Non-RPAC Area

DAILY WATER DISPOSAL LOG
RI/FS
RP - Portland Site

Date	Area/Location(s)		Type of Waste	Activity Description	Volume Generated/Transferred (Give Units of Measure)
Example: 4/22/2002	*LA*	*RP-04-16*	*Purge Water*	*Fall 2001 GW*	*15 gallons*
4/26/06	RP	MW-05 Series	Purge & Decon water	Spring 05' GW Sampling	15 gallons

Notes. LA = Lake Area
IA = Insecticide Area
HA = Herbicide Area
NRA = Non-RPAC Area

APPENDIX E

Final Validated Spring 2005
Groundwater Characterization Event Analytical Results

AL2-32

Analysis: 300.0 Sample Date: 04/21/05 Time: 13:33P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1780	mg/l	5.7P	50	
Nitrate	<0.0642	mg/l	0.0642	0.2	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	54.8P	mg/l	0.0838P	2	

Analysis: 310.1 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	1480	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.139P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	5.80	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0343P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.131)P	mg/l	0.02	0.4	

Analysis: 405.1 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	74.6	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	416	mg/l	8P	25	

Analysis: 415.1/5310 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	137P	mg/l	1.17P	10	

Analysis: 6010B Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	<0.0434P	mg/l	0.0434P	0.1	U,J
CalciumP	147P	mg/l	0.722	2	J
Iron	33.8P	mg/l	0.0064P	0.1	J
MagnesiumP	52.6	mg/l	0.0136	0.1	J
otassiumP	11.3P	mg/l	0.111P	1	J
SodiumP	1500	mg/l	0.334P	20	J

AL2-32

Analysis: 6020 (Dissolved) Sample Date: 04/21/05 Time: 13:33P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.0279P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000276	mg/l	0.000276	0.002	
Chromium (Dissolved)P	0.00241P	mg/l	0.00072	0.001	
Copper (Dissolved)P	0.00482	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.0592	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	0.0212	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	(0.00257)P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.0304P	mg/l	0.00042	0.001	J
CadmiumP	<0.000276	mg/l	0.000276	0.002	U,J
ChromiumP	0.00284P	mg/l	0.00072	0.001	J
Copper	0.0133P	mg/l	0.000788P	0.002	J
Lead	(0.000859)P	mg/l	0.000224P	0.001	J
Manganese	19.4P	mg/l	0.00298P	0.04	J
Nickel	0.0608P	mg/l	0.000376	0.002	J
VanadiumP	0.0268P	mg/l	0.000601P	0.005	J
Zinc	(0.00342)P	mg/l	0.0015	0.005	J

Analysis: 7470A (Dissolved) Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	(0.000111)P	mg/l	0.000063P	0.0002	U

Analysis: 7470A Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	(0.000100)P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<126	ug/l	126	300	
2,4-DP	6430	ug/l	131P	300	J
Dalapon	<110	ug/l	110	1000	
2,4-DBP	358P	ug/l	190	300	
Dicamba	<101P	ug/l	101P	300	
Dichlorprop	<116	ug/l	116	300	
DinosebP	<154P	ug/l	154P	300	
MC A	<12700	ug/l	12700	30000	
MC	<11100	ug/l	11100	30000	
2,4,5-TP	(141)P	ug/l	139P	300	J
2,4,5-TP(Silvex)P	826	ug/l	124P	300	

AL2-32

Analysis: 8260B Sample Date: 04/21/05 Time: 13:33P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<23.4P	ug/l	23.4P	250	
Benzene	16.2	ug/l	1.47P	10	
Bromobenzene	<3.33P	ug/l	3.33P	10	
Bromochloromethane	<2.66	ug/l	2.66	10	
Bromodichloromethane	<1.83P	ug/l	1.83P	10	
BromoformP	<1.74P	ug/l	1.74P	10	
Bromomethane	<2.82	ug/l	2.82	100	
2-Butanone (MEK)P	<16	ug/l	16	250	
n-Butylbenzene	<1.83P	ug/l	1.83P	10	
sec-Butylbenzene	<1.93P	ug/l	1.93P	10	
Carbon disulfide	<2.33P	ug/l	2.33P	100	
Carbon Tetrachloride	<1.4P	ug/l	1.4P	20	
Chlorobenzene	853P	ug/l	1.36	10	
Chloroethane	<3.27P	ug/l	3.27P	20	
ChloroformP	<1.43P	ug/l	1.43P	10	
Chloromethane	<1.59P	ug/l	1.59P	50	U,J
2-Chlorotoluene	<1.1P	ug/l	1.1P	10	
4-Chlorotoluene	<1.2	ug/l	1.2	10	
1,2-Dibromo-3-chloropropane	<4.05	ug/l	4.05	10	
Dibromochloromethane	<1.33P	ug/l	1.33P	10	
1,2-Dibromoethane	<1.87P	ug/l	1.87P	10	
Dibromomethane	<1.17P	ug/l	1.17P	10	
1,2-Dichlorobenzene	1440	ug/l	0.859P	10	
1,3-Dichlorobenzene	72.5	ug/l	1.32	10	
1,4-Dichlorobenzene	376	ug/l	1.87P	10	
Dichlorodifluoromethane	<3.12	ug/l	3.12	50	
1,1-Dichloroethane	<1.57P	ug/l	1.57P	10	
1,2-Dichloroethane	<1.42	ug/l	1.42	10	
1,1-Dichloroethene	<1.97P	ug/l	1.97P	10	
cis-1,2-Dichloroethene	(7.20)P	ug/l	1.7P	10	
trans-1,2-Dichloroethene	<1.75	ug/l	1.75	10	
1,2-Dichloropropane	<2.66	ug/l	2.66	10	
1,3-Dichloropropane	<1.51P	ug/l	1.51P	10	
2,2-Dichloropropane	<1.04P	ug/l	1.04P	10	
1,1-Dichloropropene	<1.49P	ug/l	1.49P	10	
cis-1,3-Dichloropropene	<1.28P	ug/l	1.28P	10	
trans-1,3-Dichloropropene	<1.52	ug/l	1.52	10	
2-Ethyl-1-hexanol	<1000	ug/l	1000	1000	U,J
Ethylbenzene	245	ug/l	1.1P	10	
Hexachlorobutadiene	<8.78P	ug/l	8.78P	20	
2-Hexanone	<11P	ug/l	11P	100	
Iodomethane	<23.8P	ug/l	23.8P	200	
Isobutylalcohol	<159P	ug/l	159P	1000	
Isopropylbenzene	19.9P	ug/l	1.07P	10	
4-Isopropyltoluene	<1.49P	ug/l	1.49P	10	

AL2-32

Analysis: 8260B Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<14.9P	ug/l	14.9P	50	
Methylene chloride	82.0	ug/l	4.54P	50	
Naphthalene	<0.989P	ug/l	0.989P	10	
n-Propylbenzene	43.9P	ug/l	1.38P	10	
Styrene	<0.723P	ug/l	0.723P	10	
tert-Butylbenzene	<2.06	ug/l	2.06	10	
1,1,1,2-Tetrachloroethane	<1.48P	ug/l	1.48P	10	
1,1,2,2-Tetrachloroethane	<2.94P	ug/l	2.94P	10	
Tetrachloroethene	<1.09P	ug/l	1.09P	10	
Toluene	(8.00)P	ug/l	1.55	10	
1,2,3-Trichlorobenzene	<2.19P	ug/l	2.19P	10	
1,2,4-Trichlorobenzene	(3.50)P	ug/l	2.13P	10	U
1,1,1-Trichloroethane	<0.859P	ug/l	0.859P	10	
1,1,2-Trichloroethane	<3.01P	ug/l	3.01P	10	
Trichloroethene	<2.41P	ug/l	2.41P	10	
Trichlorofluoromethane	<1.6	ug/l	1.6	10	
1,2,3-Trichloropropane	<3.65	ug/l	3.65	10	
1,2,4-Trimethylbenzene	96.7P	ug/l	0.884P	10	
1,3,5-Trimethylbenzene	19.0	ug/l	1.57P	10	
Vinyl chloride	<1.52	ug/l	1.52	10	
m,p-Xylene	103P	ug/l	2.95	20	
o-Xylene	163P	ug/l	1.87P	10	

Analysis: 8270C Sample Date: 04/21/05 Time: 13:33P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<120	ug/l	120	200	
2-Chlorophenol	1060	ug/l	200	200	
2,4-Dichlorophenol	3420	ug/l	200	200	
2,6-Dichlorophenol	(957)P	ug/l	400	1000	
2,4-Dimethylphenol	<400	ug/l	400	400	
2,4-Dinitrophenol	<600	ug/l	600	1000	
DinosebP	<400	ug/l	400	1000	
2-Methyl-4,6-dinitrophenol	<200	ug/l	200	400	
2-Methylphenol	821P	ug/l	200	400	
3 & 4-Methylphenol	<200	ug/l	200	200	
2-Nitrophenol	<200	ug/l	200	200	
4-Nitrophenol	<400	ug/l	400	1000	U,J
entachlorophenol	<200	ug/l	200	400	
henol	<200	ug/l	200	200	U,J
Tetrachlorophenols	<400	ug/l	400	1000	
2,4,5-Trichlorophenol	<200	ug/l	200	200	
2,4,6-Trichlorophenol	484P	ug/l	200	200	

AL2-32

Analysis: 8290 Sample Date: 04/21/05 Time: 13:33P

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<1.8P	pg/l	1.8P	12	
1,2,3,4,6,7,8-HpCDF	<1.8P	pg/l	1.8P	12	
1,2,3,4,7,8,9-HpCDF	<0.66	pg/l	0.66	12	
1,2,3,4,7,8-HxCDDP	<1.2	pg/l	1.2	12	
1,2,3,6,7,8-HxCDDP	<1.1P	pg/l	1.1P	12	
1,2,3,7,8,9-HxCDDP	<1P	pg/l	1P	12	
1,2,3,4,7,8-HxCDF	<1.2	pg/l	1.2	12	
1,2,3,6,7,8-HxCDF	<1.3P	pg/l	1.3P	12	
1,2,3,7,8,9-HxCDF	<1.4P	pg/l	1.4P	12	
2,3,4,6,7,8-HxCDF	<1.4P	pg/l	1.4P	12	
1,2,3,4,6,7,8,9-OCDDP	<8.9P	pg/l	8.9P	25	
1,2,3,4,6,7,8,9-OCDF	<2.2	pg/l	2.2	25	
1,2,3,7,8-PeCDDP	<1.8P	pg/l	1.8P	12	
1,2,3,7,8-PeCDF	<1.1P	pg/l	1.1P	12	
2,3,4,7,8-PeCDF	<1.1P	pg/l	1.1P	12	
2,3,7,8-TCDDP	<0.96	pg/l	0.96	2.5	
2,3,7,8-TCDF	<1.2	pg/l	1.2	2.5	U,J
Total HpCDDP	<1.8P	pg/l	1.8P	1.8	
Total HpCDF	<1.8P	pg/l	1.8P	1.8	
Total HxCDDP	<1.2	pg/l	1.2	1.2	
Total HxCDF	<1.4P	pg/l	1.4P	1.4	
Total eCDDP	<1.8P	pg/l	1.8P	1.8	
Total eCDF	<1.7P	pg/l	1.7P	1.7	
Total TCDDP	12	pg/l	10	10	
Total TCDF	13P	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	12.0	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/21/05 Time: 13:33

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	24100	ug/l	52	52	

AL2-46

Analysis: 300.0 Sample Date: 04/25/05 Time: 10:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	136	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	22.1P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	750	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.801P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.896	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0229)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	59.2	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	248P	mg/l	8P	25	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	68.7P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.123P	mg/l	0.0434P	0.1	
CalciumP	8.41P	mg/l	0.0361P	0.1	
Iron	6.22	mg/l	0.0064P	0.1	
MagnesiumP	2.75	mg/l	0.0136	0.1	
otassiumP	2.17P	mg/l	0.111P	1	
SodiumP	443P	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	1.90	mg/l	0.000745	0.01	J

AL2-46

Analysis: 8151MOD Sample Date: 04/25/05 Time: 10:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	87.9P	ug/l	25.2	60	
2,4-DP	3480	ug/l	131P	300	J
Dalapon	<22	ug/l	22	200	
2,4-DBP	251P	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<23.2	ug/l	23.2	60	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<2540	ug/l	2540	6000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	153P	ug/l	27.8P	60	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

AL2-46

Analysis: 8260B Sample Date: 04/25/05 Time: 10:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(397)P	ug/l	234P	2500	
Benzene	114P	ug/l	14.7P	100	
Bromobenzene	<33.3P	ug/l	33.3P	100	
Bromochloromethane	<26.6	ug/l	26.6	100	
Bromodichloromethane	<18.3P	ug/l	18.3P	100	
BromoformP	<17.4P	ug/l	17.4P	100	
Bromomethane	<28.2	ug/l	28.2	1000	
2-Butanone (MEK)P	<160	ug/l	160	2500	
n-Butylbenzene	<18.3P	ug/l	18.3P	100	
sec-Butylbenzene	<19.3P	ug/l	19.3P	100	
Carbon disulfide	<23.3P	ug/l	23.3P	1000	
Carbon Tetrachloride	<14P	ug/l	14P	200	
Chlorobenzene	652	ug/l	13.6	100	
Chloroethane	<32.7P	ug/l	32.7P	200	
ChloroformP	<14.3P	ug/l	14.3P	100	
Chloromethane	<15.9P	ug/l	15.9P	500	U,J
2-Chlorotoluene	<11P	ug/l	11P	100	
4-Chlorotoluene	<12	ug/l	12	100	
1,2-Dibromo-3-chloropropane	<40.5	ug/l	40.5	100	
Dibromochloromethane	<13.3P	ug/l	13.3P	100	
1,2-Dibromoethane	<18.7P	ug/l	18.7P	100	
Dibromomethane	<11.7P	ug/l	11.7P	100	
1,2-Dichlorobenzene	10200	ug/l	8.59P	100	
1,3-Dichlorobenzene	350	ug/l	13.2	100	
1,4-Dichlorobenzene	2860	ug/l	18.7P	100	
Dichlorodifluoromethane	<31.2	ug/l	31.2	500	
1,1-Dichloroethane	<15.7P	ug/l	15.7P	100	
1,2-Dichloroethane	<14.2	ug/l	14.2	100	
1,1-Dichloroethene	(29.0)P	ug/l	19.7P	100	
cis-1,2-Dichloroethene	257P	ug/l	17P	100	
trans-1,2-Dichloroethene	<17.5	ug/l	17.5	100	
1,2-Dichloropropane	<26.6	ug/l	26.6	100	
1,3-Dichloropropane	<15.1P	ug/l	15.1P	100	
2,2-Dichloropropane	<10.4P	ug/l	10.4P	100	
1,1-Dichloropropene	<14.9P	ug/l	14.9P	100	
cis-1,3-Dichloropropene	<12.8P	ug/l	12.8P	100	
trans-1,3-Dichloropropene	<15.2	ug/l	15.2	100	
2-Ethyl-1-hexanol	<10000	ug/l	10000	10000	U,J
Ethylbenzene	2230	ug/l	11P	100	
Hexachlorobutadiene	<87.8P	ug/l	87.8P	200	
2-Hexanone	<110	ug/l	110	1000	
Iodomethane	<238P	ug/l	238P	2000	
Isobutylalcohol	<1590	ug/l	1590	10000	
Isopropylbenzene	(47.0)P	ug/l	10.7P	100	
4-Isopropyltoluene	<14.9P	ug/l	14.9P	100	

AL2-46

Analysis: 8260B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<149P	ug/l	149P	500	
Methylene chloride	(61.0)P	ug/l	45.4P	500	
Naphthalene	<9.89P	ug/l	9.89P	100	
n-Propylbenzene	101P	ug/l	13.8P	100	
Styrene	<7.23P	ug/l	7.23P	100	
tert-Butylbenzene	<20.6	ug/l	20.6	100	
1,1,1,2-Tetrachloroethane	<14.8P	ug/l	14.8P	100	
1,1,2,2-Tetrachloroethane	<29.4P	ug/l	29.4P	100	
Tetrachloroethene	<10.9P	ug/l	10.9P	100	
Toluene	128P	ug/l	15.5	100	
1,2,3-Trichlorobenzene	<21.9P	ug/l	21.9P	100	
1,2,4-Trichlorobenzene	(27.0)P	ug/l	21.3P	100	U
1,1,1-Trichloroethane	<8.59P	ug/l	8.59P	100	
1,1,2-Trichloroethane	<30.1P	ug/l	30.1P	100	
Trichloroethene	608P	ug/l	24.1P	100	
Trichlorofluoromethane	<16	ug/l	16	100	
1,2,3-Trichloropropane	<36.5	ug/l	36.5	100	
1,2,4-Trimethylbenzene	624P	ug/l	8.84P	100	
1,3,5-Trimethylbenzene	140	ug/l	15.7P	100	
Vinyl chloride	(60.0)P	ug/l	15.2	100	
m,p-Xylene	2010	ug/l	29.5	200	
o-Xylene	1500	ug/l	18.7P	100	

Analysis: 8270C Sample Date: 04/25/05 Time: 10:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<120	ug/l	120	200	
2-Chlorophenol	1710	ug/l	200	200	
2,4-Dichlorophenol	1550	ug/l	200	200	
2,6-Dichlorophenol	(560)P	ug/l	400	1000	
2,4-Dimethylphenol	<400	ug/l	400	400	
2,4-Dinitrophenol	<600	ug/l	600	1000	
DinosebP	<400	ug/l	400	1000	
2-Methyl-4,6-dinitrophenol	<200	ug/l	200	400	
2-Methylphenol	<200	ug/l	200	400	
3 & 4-Methylphenol	<200	ug/l	200	200	
2-Nitrophenol	<200	ug/l	200	200	
4-Nitrophenol	<400	ug/l	400	1000	U,J
entachlorophenol	<200	ug/l	200	400	
henol	<200	ug/l	200	200	U,J
Tetrachlorophenols	<400	ug/l	400	1000	
2,4,5-Trichlorophenol	<200	ug/l	200	200	
2,4,6-Trichlorophenol	1260	ug/l	200	200	

AL2-46

Analysis: 8270C Sample Date: 05/06/05 Time: 13:03P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<120	ug/l	120	200	
2-Chlorophenol	1150	ug/l	200	200	
2,4-Dichlorophenol	669P	ug/l	200	200	
2,6-Dichlorophenol	<400	ug/l	400	1000	
2,4-Dimethylphenol	<400	ug/l	400	400	
2,4-Dinitrophenol	<600	ug/l	600	1000	
DinosebP	<400	ug/l	400	1000	
2-Methyl-4,6-dinitrophenol	<200	ug/l	200	400	
2-Methylphenol	<200	ug/l	200	400	
3 & 4-Methylphenol	<200	ug/l	200	200	
2-Nitrophenol	<200	ug/l	200	200	
4-Nitrophenol	<400	ug/l	400	1000	U,J
entachlorophenol	<200	ug/l	200	400	
henol	<120	ug/l	120	200	U,J
Tetrachlorophenols	<400	ug/l	400	1000	
2,4,5-Trichlorophenol	<200	ug/l	200	200	
2,4,6-Trichlorophenol	760	ug/l	200	200	

Analysis: 8290 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<2.1P	pg/l	2.1P	12	
1,2,3,4,6,7,8-HpCDF	<2.3P	pg/l	2.3P	12	
1,2,3,4,7,8,9-HpCDF	<0.68P	pg/l	0.68P	12	
1,2,3,4,7,8-HxCDDP	<1.2	pg/l	1.2	12	
1,2,3,6,7,8-HxCDDP	<1.1P	pg/l	1.1P	12	
1,2,3,7,8,9-HxCDDP	<1P	pg/l	1P	12	
1,2,3,4,7,8-HxCDF	<1.2	pg/l	1.2	12	
1,2,3,6,7,8-HxCDF	<1.2	pg/l	1.2	12	
1,2,3,7,8,9-HxCDF	<1.3P	pg/l	1.3P	12	
2,3,4,6,7,8-HxCDF	<1.3P	pg/l	1.3P	12	
1,2,3,4,6,7,8,9-OCDDP	<7.8P	pg/l	7.8P	25	
1,2,3,4,6,7,8,9-OCDF	<2.6	pg/l	2.6	25	
1,2,3,7,8-PeCDDP	<1.6	pg/l	1.6	12	
1,2,3,7,8-PeCDF	<1.1P	pg/l	1.1P	12	
2,3,4,7,8-PeCDF	<1P	pg/l	1P	12	
2,3,7,8-TCDDP	<0.89P	pg/l	0.89P	2.5	
2,3,7,8-TCDF	<2.5	pg/l	2.5	2.7	
Total HpCDDP	<2.2	pg/l	2.2	2.2	
Total HpCDF	<2.3P	pg/l	2.3P	2.3	
Total HxCDDP	<1.2	pg/l	1.2	1.2	
Total HxCDF	<1.3P	pg/l	1.3P	1.3	
Total eCDDP	<3.1P	pg/l	3.1P	3.1	
Total eCDF	<1.2	pg/l	1.2	1.2	
Total TCDDP	<1.4P	pg/l	1.4P	1.4	
Total TCDF	<2.7P	pg/l	2.7P	2.7	

AL2-46

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 10:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	18.2	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2620	ug/l	52	52	

AL2-46 (Dup)

Analysis: 8151MOD Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	82.8P	ug/l	25.2	60	
2,4-DP	3070	ug/l	131P	300	J
Dalapon	<22	ug/l	22	200	
2,4-DBP	232	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<23.2	ug/l	23.2	60	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<2540	ug/l	2540	6000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	139P	ug/l	27.8P	60	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

AL2-46 (Dup)

Analysis: 8260B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(471)P	ug/l	234P	2500	
Benzene	116	ug/l	14.7P	100	
Bromobenzene	<33.3P	ug/l	33.3P	100	
Bromochloromethane	<26.6	ug/l	26.6	100	
Bromodichloromethane	<18.3P	ug/l	18.3P	100	
BromoformP	<17.4P	ug/l	17.4P	100	
Bromomethane	<28.2	ug/l	28.2	1000	
2-Butanone (MEK)P	<160	ug/l	160	2500	
n-Butylbenzene	<18.3P	ug/l	18.3P	100	
sec-Butylbenzene	<19.3P	ug/l	19.3P	100	
Carbon disulfide	<23.3P	ug/l	23.3P	1000	
Carbon Tetrachloride	<14P	ug/l	14P	200	
Chlorobenzene	651P	ug/l	13.6	100	
Chloroethane	<32.7P	ug/l	32.7P	200	
ChloroformP	<14.3P	ug/l	14.3P	100	
Chloromethane	<15.9P	ug/l	15.9P	500	U,J
2-Chlorotoluene	<11P	ug/l	11P	100	
4-Chlorotoluene	<12	ug/l	12	100	
1,2-Dibromo-3-chloropropane	<40.5	ug/l	40.5	100	
Dibromochloromethane	<13.3P	ug/l	13.3P	100	
1,2-Dibromoethane	<18.7P	ug/l	18.7P	100	
Dibromomethane	<11.7P	ug/l	11.7P	100	
1,2-Dichlorobenzene	11000	ug/l	8.59P	100	
1,3-Dichlorobenzene	374P	ug/l	13.2	100	
1,4-Dichlorobenzene	3040	ug/l	18.7P	100	
Dichlorodifluoromethane	<31.2	ug/l	31.2	500	
1,1-Dichloroethane	<15.7P	ug/l	15.7P	100	
1,2-Dichloroethane	<14.2	ug/l	14.2	100	
1,1-Dichloroethene	(29.0)P	ug/l	19.7P	100	
cis-1,2-Dichloroethene	271P	ug/l	17P	100	
trans-1,2-Dichloroethene	<17.5	ug/l	17.5	100	
1,2-Dichloropropane	<26.6	ug/l	26.6	100	
1,3-Dichloropropane	<15.1P	ug/l	15.1P	100	
2,2-Dichloropropane	<10.4P	ug/l	10.4P	100	
1,1-Dichloropropene	<14.9P	ug/l	14.9P	100	
cis-1,3-Dichloropropene	<12.8P	ug/l	12.8P	100	
trans-1,3-Dichloropropene	<15.2	ug/l	15.2	100	
2-Ethyl-1-hexanol	<10000	ug/l	10000	10000	U,J
Ethylbenzene	2380	ug/l	11P	100	
Hexachlorobutadiene	<87.8P	ug/l	87.8P	200	
2-Hexanone	<110	ug/l	110	1000	
Iodomethane	<238P	ug/l	238P	2000	
Isobutylalcohol	<1590	ug/l	1590	10000	
Isopropylbenzene	(48.0)P	ug/l	10.7P	100	
4-Isopropyltoluene	<14.9P	ug/l	14.9P	100	

AL2-46 (Dup)

Analysis: 8260B Sample Date: 04/25/05 Time: 10:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<149P	ug/l	149P	500	
Methylene chloride	(63.0)P	ug/l	45.4P	500	
Naphthalene	<9.89P	ug/l	9.89P	100	
n-Propylbenzene	107P	ug/l	13.8P	100	
Styrene	<7.23P	ug/l	7.23P	100	
tert-Butylbenzene	<20.6	ug/l	20.6	100	
1,1,1,2-Tetrachloroethane	<14.8P	ug/l	14.8P	100	
1,1,2,2-Tetrachloroethane	<29.4P	ug/l	29.4P	100	
Tetrachloroethene	<10.9P	ug/l	10.9P	100	
Toluene	138P	ug/l	15.5	100	
1,2,3-Trichlorobenzene	<21.9P	ug/l	21.9P	100	
1,2,4-Trichlorobenzene	(25.0)P	ug/l	21.3P	100	U
1,1,1-Trichloroethane	<8.59P	ug/l	8.59P	100	
1,1,2-Trichloroethane	<30.1P	ug/l	30.1P	100	
Trichloroethene	649P	ug/l	24.1P	100	
Trichlorofluoromethane	<16	ug/l	16	100	
1,2,3-Trichloropropane	<36.5	ug/l	36.5	100	
1,2,4-Trimethylbenzene	664P	ug/l	8.84P	100	
1,3,5-Trimethylbenzene	148P	ug/l	15.7P	100	
Vinyl chloride	(60.0)P	ug/l	15.2	100	
m,p-Xylene	2160	ug/l	29.5	200	
o-Xylene	1610	ug/l	18.7P	100	

Analysis: 8270C Sample Date: 04/25/05 Time: 10:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<120	ug/l	120	200	
2-Chlorophenol	1570	ug/l	200	200	
2,4-Dichlorophenol	1330	ug/l	200	200	
2,6-Dichlorophenol	(506)P	ug/l	400	1000	
2,4-Dimethylphenol	<400	ug/l	400	400	
2,4-Dinitrophenol	<600	ug/l	600	1000	
DinosebP	<400	ug/l	400	1000	
2-Methyl-4,6-dinitrophenol	<200	ug/l	200	400	
2-Methylphenol	<200	ug/l	200	400	
3 & 4-Methylphenol	<200	ug/l	200	200	
2-Nitrophenol	<200	ug/l	200	200	
4-Nitrophenol	<400	ug/l	400	1000	U,J
entachlorophenol	<200	ug/l	200	400	
henol	<200	ug/l	200	200	U,J
Tetrachlorophenols	<400	ug/l	400	1000	
2,4,5-Trichlorophenol	<200	ug/l	200	200	
2,4,6-Trichlorophenol	1070	ug/l	200	200	

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Analysis: 300.0 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	517P	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	98.8P	mg/l	0.419P	10	

Analysis: 310.1 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	612	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.172)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00860)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0275)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	6.76	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	24.9P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	6.67P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0535)P	mg/l	0.0434P	0.1	
CalciumP	141P	mg/l	0.361P	1	
Iron	2.29P	mg/l	0.0064P	0.1	
MagnesiumP	59.9P	mg/l	0.0136	0.1	
otassiumP	12.2	mg/l	0.111P	1	
SodiumP	391P	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	10.7P	mg/l	0.00149P	0.02	

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Analysis: 8151MOD Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	R
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	6.35	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	16.8P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<46.8P	ug/l	46.8P	500	
Benzene	28.0	ug/l	2.94P	20	
Bromobenzene	<6.66	ug/l	6.66	20	
Bromochloromethane	<5.32	ug/l	5.32	20	
Bromodichloromethane	<3.66	ug/l	3.66	20	
BromoformP	<3.48P	ug/l	3.48P	20	
Bromomethane	<5.64P	ug/l	5.64P	200	
2-Butanone (MEK)P	<32	ug/l	32	500	
n-Butylbenzene	<3.66	ug/l	3.66	20	
sec-Butylbenzene	<3.86	ug/l	3.86	20	
Carbon disulfide	<4.66	ug/l	4.66	200	
Carbon Tetrachloride	<2.8P	ug/l	2.8P	40	
Chlorobenzene	2140	ug/l	2.72	20	
Chloroethane	<6.54P	ug/l	6.54P	40	
ChloroformP	<2.86	ug/l	2.86	20	
Chloromethane	<3.18P	ug/l	3.18P	100	U,J
2-Chlorotoluene	<2.2	ug/l	2.2	20	
4-Chlorotoluene	<2.4P	ug/l	2.4P	20	
1,2-Dibromo-3-chloropropane	<8.1P	ug/l	8.1P	20	
Dibromochloromethane	<2.66	ug/l	2.66	20	
1,2-Dibromoethane	<3.74P	ug/l	3.74P	20	
Dibromomethane	<2.34P	ug/l	2.34P	20	
1,2-Dichlorobenzene	872	ug/l	1.72	20	
1,3-Dichlorobenzene	57.6	ug/l	2.64P	20	
1,4-Dichlorobenzene	760	ug/l	3.74P	20	
Dichlorodifluoromethane	<6.24P	ug/l	6.24P	100	
1,1-Dichloroethane	<3.14P	ug/l	3.14P	20	
1,2-Dichloroethane	<2.84P	ug/l	2.84P	20	
1,1-Dichloroethene	<3.94P	ug/l	3.94P	20	
cis-1,2-Dichloroethene	<3.4P	ug/l	3.4P	20	
trans-1,2-Dichloroethene	<3.5	ug/l	3.5	20	
1,2-Dichloropropane	<5.32	ug/l	5.32	20	
1,3-Dichloropropane	<3.02	ug/l	3.02	20	
2,2-Dichloropropane	<2.08P	ug/l	2.08P	20	
1,1-Dichloropropene	<2.98P	ug/l	2.98P	20	
cis-1,3-Dichloropropene	<2.56	ug/l	2.56	20	
trans-1,3-Dichloropropene	<3.04P	ug/l	3.04P	20	
2-Ethyl-1-hexanol	<2000	ug/l	2000	2000	U,J
Ethylbenzene	<2.2	ug/l	2.2	20	
Hexachlorobutadiene	<17.6	ug/l	17.6	40	
2-Hexanone	<22	ug/l	22	200	
Iodomethane	<47.6	ug/l	47.6	400	
Isobutylalcohol	<318P	ug/l	318P	2000	
Isopropylbenzene	<2.14P	ug/l	2.14P	20	
4-Isopropyltoluene	<2.98P	ug/l	2.98P	20	

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Analysis: 8260B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<29.8P	ug/l	29.8P	100	
Methylene chloride	<9.08P	ug/l	9.08P	100	
Naphthalene	<1.98P	ug/l	1.98P	20	
n-Propylbenzene	<2.76	ug/l	2.76	20	
Styrene	<1.45	ug/l	1.45	20	
tert-Butylbenzene	<4.12	ug/l	4.12	20	
1,1,1,2-Tetrachloroethane	<2.96	ug/l	2.96	20	
1,1,2,2-Tetrachloroethane	<5.88P	ug/l	5.88P	20	
Tetrachloroethene	<2.18P	ug/l	2.18P	20	
Toluene	<3.1P	ug/l	3.1P	20	
1,2,3-Trichlorobenzene	<4.38P	ug/l	4.38P	20	
1,2,4-Trichlorobenzene	<4.26	ug/l	4.26	20	
1,1,1-Trichloroethane	<1.72	ug/l	1.72	20	
1,1,2-Trichloroethane	<6.02	ug/l	6.02	20	
Trichloroethene	<4.82	ug/l	4.82	20	
Trichlorofluoromethane	<3.2	ug/l	3.2	20	
1,2,3-Trichloropropane	<7.3P	ug/l	7.3P	20	
1,2,4-Trimethylbenzene	<1.77P	ug/l	1.77P	20	
1,3,5-Trimethylbenzene	<3.14P	ug/l	3.14P	20	
Vinyl chloride	<3.04P	ug/l	3.04P	20	
m,p-Xylene	<5.9P	ug/l	5.9P	40	
o-Xylene	<3.74P	ug/l	3.74P	20	

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Analysis: 8290 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<2.2	pg/l	2.2	12	
1,2,3,4,6,7,8-HpCDF	<2.1P	pg/l	2.1P	12	
1,2,3,4,7,8,9-HpCDF	<0.71P	pg/l	0.71P	12	
1,2,3,4,7,8-HxCDDP	<1.3P	pg/l	1.3P	12	
1,2,3,6,7,8-HxCDDP	<1.2	pg/l	1.2	12	
1,2,3,7,8,9-HxCDDP	<1.2	pg/l	1.2	12	
1,2,3,4,7,8-HxCDF	<1.2	pg/l	1.2	12	
1,2,3,6,7,8-HxCDF	<1.2	pg/l	1.2	12	
1,2,3,7,8,9-HxCDF	<1.3P	pg/l	1.3P	12	
2,3,4,6,7,8-HxCDF	<1.3P	pg/l	1.3P	12	
1,2,3,4,6,7,8,9-OCDDP	<6	pg/l	6	25	
1,2,3,4,6,7,8,9-OCDF	<1.7P	pg/l	1.7P	25	
1,2,3,7,8-PeCDDP	<1.7P	pg/l	1.7P	12	
1,2,3,7,8-PeCDF	<1.1P	pg/l	1.1P	12	
2,3,4,7,8-PeCDF	<1.1P	pg/l	1.1P	12	
2,3,7,8-TCDDP	<0.77P	pg/l	0.77P	2.5	
2,3,7,8-TCDF	<0.93P	pg/l	0.93P	2.5	
Total HpCDDP	<2.2	pg/l	2.2	2.2	
Total HpCDF	<2.1P	pg/l	2.1P	2.1	
Total HxCDDP	<1.3P	pg/l	1.3P	1.3	
Total HxCDF	<1.3P	pg/l	1.3P	1.3	
Total eCDDP	<1.7P	pg/l	1.7P	1.7	
Total eCDF	<1.1P	pg/l	1.1P	1.1	
Total TCDDP	<1.9P	pg/l	1.9P	1.9	
Total TCDF	<0.93P	pg/l	0.93P	0.93	

Analysis: NWTPH-DX Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.845	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	5290	ug/l	52	52	

AL6-96 (Dup)

Analysis: 8151MOD Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	R
2,4-DP	(2.78)P	ug/l	1.31P	3	J
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	6.25	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	17.0	ug/l	1.24P	3	

AL6-96 (Dup)

Analysis: 8260B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<46.8P	ug/l	46.8P	500	
Benzene	28.8P	ug/l	2.94P	20	
Bromobenzene	<6.66	ug/l	6.66	20	
Bromochloromethane	<5.32	ug/l	5.32	20	
Bromodichloromethane	<3.66	ug/l	3.66	20	
BromoformP	<3.48P	ug/l	3.48P	20	
Bromomethane	<5.64P	ug/l	5.64P	200	
2-Butanone (MEK)P	<32	ug/l	32	500	
n-Butylbenzene	<3.66	ug/l	3.66	20	
sec-Butylbenzene	<3.86	ug/l	3.86	20	
Carbon disulfide	<4.66	ug/l	4.66	200	
Carbon Tetrachloride	<2.8P	ug/l	2.8P	40	
Chlorobenzene	2140	ug/l	2.72	20	
Chloroethane	<6.54P	ug/l	6.54P	40	
ChloroformP	<2.86	ug/l	2.86	20	
Chloromethane	<3.18P	ug/l	3.18P	100	U,J
2-Chlorotoluene	<2.2	ug/l	2.2	20	
4-Chlorotoluene	<2.4P	ug/l	2.4P	20	
1,2-Dibromo-3-chloropropane	<8.1P	ug/l	8.1P	20	
Dibromochloromethane	<2.66	ug/l	2.66	20	
1,2-Dibromoethane	<3.74P	ug/l	3.74P	20	
Dibromomethane	<2.34P	ug/l	2.34P	20	
1,2-Dichlorobenzene	846	ug/l	1.72	20	
1,3-Dichlorobenzene	52.0	ug/l	2.64P	20	
1,4-Dichlorobenzene	741P	ug/l	3.74P	20	
Dichlorodifluoromethane	<6.24P	ug/l	6.24P	100	
1,1-Dichloroethane	<3.14P	ug/l	3.14P	20	
1,2-Dichloroethane	<2.84P	ug/l	2.84P	20	
1,1-Dichloroethene	<3.94P	ug/l	3.94P	20	
cis-1,2-Dichloroethene	(3.60)P	ug/l	3.4P	20	
trans-1,2-Dichloroethene	<3.5	ug/l	3.5	20	
1,2-Dichloropropane	<5.32	ug/l	5.32	20	
1,3-Dichloropropane	<3.02	ug/l	3.02	20	
2,2-Dichloropropane	<2.08P	ug/l	2.08P	20	
1,1-Dichloropropene	<2.98P	ug/l	2.98P	20	
cis-1,3-Dichloropropene	<2.56	ug/l	2.56	20	
trans-1,3-Dichloropropene	<3.04P	ug/l	3.04P	20	
2-Ethyl-1-hexanol	<2000	ug/l	2000	2000	U,J
Ethylbenzene	<2.2	ug/l	2.2	20	
Hexachlorobutadiene	<17.6	ug/l	17.6	40	
2-Hexanone	<22	ug/l	22	200	
Iodomethane	<47.6	ug/l	47.6	400	
Isobutylalcohol	<318P	ug/l	318P	2000	
Isopropylbenzene	<2.14P	ug/l	2.14P	20	
4-Isopropyltoluene	<2.98P	ug/l	2.98P	20	

AL6-96 (Dup)

Analysis: 8260B Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<29.8P	ug/l	29.8P	100	
Methylene chloride	<9.08P	ug/l	9.08P	100	
Naphthalene	<1.98P	ug/l	1.98P	20	
n-Propylbenzene	<2.76	ug/l	2.76	20	
Styrene	<1.45	ug/l	1.45	20	
tert-Butylbenzene	<4.12	ug/l	4.12	20	
1,1,1,2-Tetrachloroethane	<2.96	ug/l	2.96	20	
1,1,2,2-Tetrachloroethane	<5.88P	ug/l	5.88P	20	
Tetrachloroethene	<2.18P	ug/l	2.18P	20	
Toluene	<3.1P	ug/l	3.1P	20	
1,2,3-Trichlorobenzene	<4.38P	ug/l	4.38P	20	
1,2,4-Trichlorobenzene	<4.26	ug/l	4.26	20	
1,1,1-Trichloroethane	<1.72	ug/l	1.72	20	
1,1,2-Trichloroethane	<6.02	ug/l	6.02	20	
Trichloroethene	<4.82	ug/l	4.82	20	
Trichlorofluoromethane	<3.2	ug/l	3.2	20	
1,2,3-Trichloropropane	<7.3P	ug/l	7.3P	20	
1,2,4-Trimethylbenzene	<1.77P	ug/l	1.77P	20	
1,3,5-Trimethylbenzene	<3.14P	ug/l	3.14P	20	
Vinyl chloride	<3.04P	ug/l	3.04P	20	
m,p-Xylene	<5.9P	ug/l	5.9P	40	
o-Xylene	<3.74P	ug/l	3.74P	20	

AL6-96 (Dup)

Analysis: 8290 Sample Date: 04/22/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<1.7P	pg/l	1.7P	12	
1,2,3,4,6,7,8-HpCDF	<2	pg/l	2	12	
1,2,3,4,7,8,9-HpCDF	<0.84P	pg/l	0.84P	12	
1,2,3,4,7,8-HxCDDP	<1.4P	pg/l	1.4P	12	
1,2,3,6,7,8-HxCDDP	<1.4P	pg/l	1.4P	12	
1,2,3,7,8,9-HxCDDP	<1.3P	pg/l	1.3P	12	
1,2,3,4,7,8-HxCDF	<1.4P	pg/l	1.4P	12	
1,2,3,6,7,8-HxCDF	<1.3P	pg/l	1.3P	12	
1,2,3,7,8,9-HxCDF	<1.4P	pg/l	1.4P	12	
2,3,4,6,7,8-HxCDF	<1.4P	pg/l	1.4P	12	
1,2,3,4,6,7,8,9-OCDDP	<7.3P	pg/l	7.3P	25	
1,2,3,4,6,7,8,9-OCDF	<2	pg/l	2	25	
1,2,3,7,8-PeCDDP	<1.8P	pg/l	1.8P	12	
1,2,3,7,8-PeCDF	<0.91P	pg/l	0.91P	12	
2,3,4,7,8-PeCDF	<0.89P	pg/l	0.89P	12	
2,3,7,8-TCDDP	<0.83P	pg/l	0.83P	2.5	
2,3,7,8-TCDF	<1P	pg/l	1P	2.5	
Total HpCDDP	<1.7P	pg/l	1.7P	1.7	
Total HpCDF	<2	pg/l	2	2	
Total HxCDDP	<1.4P	pg/l	1.4P	1.4	
Total HxCDF	<1.4P	pg/l	1.4P	1.4	
Total eCDDP	<1.8P	pg/l	1.8P	1.8	
Total eCDF	<1.3P	pg/l	1.3P	1.3	
Total TCDDP	<0.99P	pg/l	0.99P	0.99	
Total TCDF	<1P	pg/l	1P	1	

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Analysis: 300.0 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	175	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	7.86	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	560	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.516	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	3.75	mg/l	0.00705	0.05	

Analysis: 376.2 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	0.232	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	86.7P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	347P	mg/l	8P	25	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	98.1P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0904)P	mg/l	0.0434P	0.1	
CalciumP	13.2	mg/l	0.0361P	0.1	
Iron	4.66	mg/l	0.0064P	0.1	
MagnesiumP	4.86	mg/l	0.0136	0.1	
otassiumP	3.32	mg/l	0.111P	1	
SodiumP	355	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	3.86	mg/l	0.000745	0.01	

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Analysis: 8151MOD Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	150	ug/l	25.2	60	
2,4-DP	1100	ug/l	26.2	60	J
Dalapon	<22	ug/l	22	200	
2,4-DBP	104P	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<116	ug/l	116	300	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<2540	ug/l	2540	6000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	<27.8P	ug/l	27.8P	60	
2,4,5-TP(Silvex)P	(35.7)P	ug/l	24.8P	60	

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Analysis: 8260B Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(503)P	ug/l	117P	1250	J
Benzene	150	ug/l	7.35	50	J
Bromobenzene	<16.6	ug/l	16.6	50	U,J
Bromochloromethane	<13.3P	ug/l	13.3P	50	U,J
Bromodichloromethane	<9.15	ug/l	9.15	50	U,J
BromoformP	<8.7P	ug/l	8.7P	50	J
Bromomethane	<14.1P	ug/l	14.1P	500	U,J
2-Butanone (MEK)P	<80	ug/l	80	1250	U,J
n-Butylbenzene	<9.15	ug/l	9.15	50	U,J
sec-Butylbenzene	<9.65	ug/l	9.65	50	U,J
Carbon disulfide	<11.6	ug/l	11.6	500	U,J
Carbon Tetrachloride	<7P	ug/l	7P	100	U,J
Chlorobenzene	540	ug/l	6.8P	50	J
Chloroethane	<16.4P	ug/l	16.4P	100	U,J
ChloroformP	<7.15	ug/l	7.15	50	U,J
Chloromethane	<7.95	ug/l	7.95	250	U,J
2-Chlorotoluene	<5.5	ug/l	5.5	50	U,J
4-Chlorotoluene	<6	ug/l	6	50	U,J
1,2-Dibromo-3-chloropropane	<20.2	ug/l	20.2	50	U,J
Dibromochloromethane	<6.65	ug/l	6.65	50	U,J
1,2-Dibromoethane	<9.35	ug/l	9.35	50	U,J
Dibromomethane	<5.85	ug/l	5.85	50	U,J
1,2-Dichlorobenzene	4440	ug/l	4.3P	50	J
1,3-Dichlorobenzene	154P	ug/l	6.6	50	J
1,4-Dichlorobenzene	1250	ug/l	9.35	50	J
Dichlorodifluoromethane	<15.6	ug/l	15.6	250	U,J
1,1-Dichloroethane	<7.85	ug/l	7.85	50	U,J
1,2-Dichloroethane	<7.1P	ug/l	7.1P	50	U,J
1,1-Dichloroethene	(12.0)P	ug/l	9.85	50	J
cis-1,2-Dichloroethene	54.5	ug/l	8.5	50	J
trans-1,2-Dichloroethene	<8.75	ug/l	8.75	50	U,J
1,2-Dichloropropane	<13.3P	ug/l	13.3P	50	U,J
1,3-Dichloropropane	<7.55	ug/l	7.55	50	U,J
2,2-Dichloropropane	<5.2	ug/l	5.2	50	U,J
1,1-Dichloropropene	<7.45	ug/l	7.45	50	U,J
cis-1,3-Dichloropropene	<6.4P	ug/l	6.4P	50	U,J
trans-1,3-Dichloropropene	<7.6	ug/l	7.6	50	U,J
2-Ethyl-1-hexanol	<5000	ug/l	5000	5000	U,J
Ethylbenzene	5970	ug/l	5.5	50	J
Hexachlorobutadiene	<43.9P	ug/l	43.9P	100	U,J
2-Hexanone	<55	ug/l	55	500	U,J
Iodomethane	<119P	ug/l	119P	1000	U,J
Isobutylalcohol	<795	ug/l	795	5000	U,J
Isopropylbenzene	(49.0)P	ug/l	5.35	50	J
4-Isopropyltoluene	<7.45	ug/l	7.45	50	U,J

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Analysis: 8260B Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<74.5	ug/l	74.5	250	U,J
Methylene chloride	<22.7P	ug/l	22.7P	250	U,J
Naphthalene	<4.94P	ug/l	4.94P	50	U,J
n-Propylbenzene	121P	ug/l	6.9P	50	J
Styrene	<3.62	ug/l	3.62	50	U,J
tert-Butylbenzene	<10.3P	ug/l	10.3P	50	U,J
1,1,1,2-Tetrachloroethane	<7.4P	ug/l	7.4P	50	U,J
1,1,2,2-Tetrachloroethane	<14.7P	ug/l	14.7P	50	U,J
Tetrachloroethene	<5.45	ug/l	5.45	50	U,J
Toluene	266	ug/l	7.75	50	J
1,2,3-Trichlorobenzene	<11P	ug/l	11P	50	U,J
1,2,4-Trichlorobenzene	<10.6	ug/l	10.6	50	U,J
1,1,1-Trichloroethane	<4.3P	ug/l	4.3P	50	U,J
1,1,2-Trichloroethane	<15	ug/l	15	50	U,J
Trichloroethene	700	ug/l	12	50	J
Trichlorofluoromethane	<8P	ug/l	8P	50	U,J
1,2,3-Trichloropropane	<18.2	ug/l	18.2	50	U,J
1,2,4-Trimethylbenzene	654P	ug/l	4.42	50	J
1,3,5-Trimethylbenzene	196	ug/l	7.85	50	J
Vinyl chloride	(13.5)P	ug/l	7.6	50	J
m,p-Xylene	9560	ug/l	14.8P	100	J
o-Xylene	4450	ug/l	9.35	50	J

Analysis: 8270C Sample Date: 04/25/05 Time: 11:31P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<120	ug/l	120	200	
2-Chlorophenol	3830	ug/l	200	200	
2,4-Dichlorophenol	<200	ug/l	200	200	
2,6-Dichlorophenol	<400	ug/l	400	1000	
2,4-Dimethylphenol	<400	ug/l	400	400	
2,4-Dinitrophenol	<600	ug/l	600	1000	
DinosebP	<400	ug/l	400	1000	
2-Methyl-4,6-dinitrophenol	<200	ug/l	200	400	
2-Methylphenol	1030	ug/l	200	400	
3 & 4-Methylphenol	<200	ug/l	200	200	
2-Nitrophenol	<200	ug/l	200	200	
4-Nitrophenol	<400	ug/l	400	1000	U,J
entachlorophenol	<200	ug/l	200	400	
henol	767P	ug/l	120	200	J
Tetrachlorophenols	<400	ug/l	400	1000	
2,4,5-Trichlorophenol	<200	ug/l	200	200	
2,4,6-Trichlorophenol	<200	ug/l	200	200	

BST2W-61

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	9.52	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 11:31

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	5530	ug/l	52	52	

MW-03-81

Analysis: 300.0 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	19.4P	mg/l	0.057P	0.5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	(0.260)P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	330	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	17.6	mg/l	0.112	0.5	

Analysis: 351.2 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.134)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00372)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.02	mg/l	0.02	0.4	

Analysis: 405.1 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	16.9P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	38.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	7.79P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	2.19P	mg/l	0.0434P	0.1	
CalciumP	50.6	mg/l	0.0361P	0.1	
Iron	46.1P	mg/l	0.0064P	0.1	
MagnesiumP	25.5	mg/l	0.0136	0.1	
otassiumP	4.37P	mg/l	0.111P	1	
SodiumP	34.9P	mg/l	0.0167P	1	J

MW-03-81

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00345	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	(0.000816)P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	<0.00072	mg/l	0.00072	0.001	
Copper (Dissolved)P	<0.000788P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00732	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.000992)P	mg/l	0.000601P	0.005	U
Zinc (Dissolved)P	(0.00169)P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00333P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	0.00345	mg/l	0.00072	0.001	
Copper	0.00442	mg/l	0.000788P	0.002	
Lead	0.00120	mg/l	0.000224P	0.001	
Manganese	3.27P	mg/l	0.000745	0.01	
Nickel	0.0101P	mg/l	0.000376	0.002	
VanadiumP	0.00991P	mg/l	0.000601P	0.005	J
Zinc	0.0260	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 12:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	<1.24P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(2.70)P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	<0.136	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	<0.0859P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	<0.132	ug/l	0.132	1	
1,4-Dichlorobenzene	<0.187P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	(1.63)P	ug/l	0.878P	2	U
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

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Analysis: 8260B Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	(0.100)P	ug/l	0.0989P	1	U
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	U,J
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	(0.330)P	ug/l	0.219P	1	U
1,2,4-Trichlorobenzene	(0.240)P	ug/l	0.213P	1	U
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

Analysis: NWTPH-DX Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 14:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	25600	ug/l	52	52	

MW-03-I

Analysis: 300.0 Sample Date: 04/14/05 Time: 15:23P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	350	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	2.73P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	334P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	6.50	mg/l	0.112	0.5	

Analysis: 351.2 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	7.20	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00372)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	4.40	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	25.7P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	6.66	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	<0.0434P	mg/l	0.0434P	0.1	
CalciumP	122	mg/l	0.361P	1	
Iron	16.6	mg/l	0.0064P	0.1	
MagnesiumP	58.3P	mg/l	0.136	1	
otassiumP	3.59P	mg/l	0.111P	1	
SodiumP	110	mg/l	0.167P	10	

MW-03-I

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 15:23P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00271P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	<0.00072	mg/l	0.00072	0.001	
Copper (Dissolved)P	(0.00153)P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.0126	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.000771)P	mg/l	0.000601P	0.005	U
Zinc (Dissolved)P	(0.00412)P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00297P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	<0.00072	mg/l	0.00072	0.001	
Copper	(0.00186)P	mg/l	0.000788P	0.002	
Lead	(0.000888)P	mg/l	0.000224P	0.001	
Manganese	6.84P	mg/l	0.00149P	0.02	
Nickel	0.00990	mg/l	0.000376	0.002	
VanadiumP	<0.000601P	mg/l	0.000601P	0.005	
Zinc	(0.00420)P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 12:39

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	<1.24P	ug/l	1.24P	3	

MW-03-I

Analysis: 8260B Sample Date: 04/14/05 Time: 15:23P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(4.12)P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	3.39P	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	(0.580)P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	<0.132	ug/l	0.132	1	
1,4-Dichlorobenzene	(0.230)P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

MW-03-I

Analysis: 8260B Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

Analysis: NWTPH-DX Sample Date: 04/14/05 Time: 15:23P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 15:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	166	ug/l	1.2	1.2	

MW-05-24

Analysis: 300.0 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	45.9P	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	14.6	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	247P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.200	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.899P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	3.05	mg/l	0.0141P	0.1	

Analysis: 376.2 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	62.0	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	359P	mg/l	8P	25	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	89.6	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.489P	mg/l	0.0434P	0.1	
CalciumP	5.88P	mg/l	0.0361P	0.1	
Iron	1.12	mg/l	0.0064P	0.1	
MagnesiumP	0.870	mg/l	0.0136	0.1	
otassiumP	(0.765)P	mg/l	0.111P	1	
SodiumP	147P	mg/l	0.0334P	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.193P	mg/l	0.000149P	0.002	

MW-05-24

Analysis: 8151MOD Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	114P	ug/l	25.2	60	
2,4-DP	36400	ug/l	6550	15000	
Dalapon	<22	ug/l	22	200	
2,4-DBP	538P	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<23.2	ug/l	23.2	60	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<12700	ug/l	12700	30000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	2290	ug/l	139P	300	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

MW-05-24

Analysis: 8260B Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<468P	ug/l	468P	5000	
Benzene	(52.0)P	ug/l	29.4P	200	
Bromobenzene	<66.6	ug/l	66.6	200	
Bromochloromethane	<53.2	ug/l	53.2	200	
Bromodichloromethane	<36.6	ug/l	36.6	200	
BromoformP	<34.8P	ug/l	34.8P	200	
Bromomethane	<56.4P	ug/l	56.4P	2000	
2-Butanone (MEK)P	<320	ug/l	320	5000	
n-Butylbenzene	<36.6	ug/l	36.6	200	
sec-Butylbenzene	<38.6	ug/l	38.6	200	
Carbon disulfide	<46.6	ug/l	46.6	2000	
Carbon Tetrachloride	<28P	ug/l	28P	400	
Chlorobenzene	956	ug/l	27.2	200	
Chloroethane	<65.4P	ug/l	65.4P	400	
ChloroformP	<28.6	ug/l	28.6	200	
Chloromethane	<31.8P	ug/l	31.8P	1000	U,J
2-Chlorotoluene	<22	ug/l	22	200	
4-Chlorotoluene	<24P	ug/l	24P	200	
1,2-Dibromo-3-chloropropane	<81P	ug/l	81P	200	
Dibromochloromethane	<26.6	ug/l	26.6	200	
1,2-Dibromoethane	<37.4P	ug/l	37.4P	200	
Dibromomethane	<23.4P	ug/l	23.4P	200	
1,2-Dichlorobenzene	27900	ug/l	17.2	200	
1,3-Dichlorobenzene	1020	ug/l	26.4P	200	
1,4-Dichlorobenzene	9150	ug/l	37.4P	200	
Dichlorodifluoromethane	<62.4P	ug/l	62.4P	1000	
1,1-Dichloroethane	<31.4P	ug/l	31.4P	200	
1,2-Dichloroethane	<28.4P	ug/l	28.4P	200	
1,1-Dichloroethene	<39.4P	ug/l	39.4P	200	
cis-1,2-Dichloroethene	<34P	ug/l	34P	200	
trans-1,2-Dichloroethene	<35	ug/l	35	200	
1,2-Dichloropropane	<53.2	ug/l	53.2	200	
1,3-Dichloropropane	<30.2	ug/l	30.2	200	
2,2-Dichloropropane	<20.8P	ug/l	20.8P	200	
1,1-Dichloropropene	<29.8P	ug/l	29.8P	200	
cis-1,3-Dichloropropene	<25.6	ug/l	25.6	200	
trans-1,3-Dichloropropene	<30.4P	ug/l	30.4P	200	
2-Ethyl-1-hexanol	<20000	ug/l	20000	20000	U,J
Ethylbenzene	2180	ug/l	22	200	
Hexachlorobutadiene	<176	ug/l	176	400	
2-Hexanone	<220	ug/l	220	2000	
Iodomethane	<476	ug/l	476	4000	
Isobutylalcohol	<3180	ug/l	3180	20000	
Isopropylbenzene	<21.4P	ug/l	21.4P	200	
4-Isopropyltoluene	<29.8P	ug/l	29.8P	200	

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Analysis: 8260B Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<298P	ug/l	298P	1000	
Methylene chloride	1230	ug/l	90.8P	1000	
Naphthalene	<19.8P	ug/l	19.8P	200	
n-Propylbenzene	(156)P	ug/l	27.6	200	
Styrene	<14.5	ug/l	14.5	200	
tert-Butylbenzene	<41.2	ug/l	41.2	200	
1,1,1,2-Tetrachloroethane	<29.6	ug/l	29.6	200	
1,1,2,2-Tetrachloroethane	<58.8P	ug/l	58.8P	200	
Tetrachloroethene	<21.8P	ug/l	21.8P	200	
Toluene	236	ug/l	31P	200	
1,2,3-Trichlorobenzene	<43.8P	ug/l	43.8P	200	
1,2,4-Trichlorobenzene	(160)P	ug/l	42.6	200	U
1,1,1-Trichloroethane	<17.2	ug/l	17.2	200	
1,1,2-Trichloroethane	<60.2	ug/l	60.2	200	
Trichloroethene	246	ug/l	48.2	200	
Trichlorofluoromethane	<32	ug/l	32	200	
1,2,3-Trichloropropane	<73P	ug/l	73P	200	
1,2,4-Trimethylbenzene	1530	ug/l	17.7P	200	
1,3,5-Trimethylbenzene	450	ug/l	31.4P	200	
Vinyl chloride	<30.4P	ug/l	30.4P	200	
m,p-Xylene	7570	ug/l	59P	400	
o-Xylene	2360	ug/l	37.4P	200	

Analysis: 8270C Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<300	ug/l	300	500	
2-Chlorophenol	<500	ug/l	500	500	
2,4-Dichlorophenol	11300	ug/l	500	500	
2,6-Dichlorophenol	(1650)P	ug/l	1000	2500	
2,4-Dimethylphenol	<1000	ug/l	1000	1000	
2,4-Dinitrophenol	<1500	ug/l	1500	2500	
DinosebP	<1000	ug/l	1000	2500	
2-Methyl-4,6-dinitrophenol	<500	ug/l	500	1000	
2-Methylphenol	<500	ug/l	500	1000	
3 & 4-Methylphenol	<500	ug/l	500	500	
2-Nitrophenol	<500	ug/l	500	500	
4-Nitrophenol	<1000	ug/l	1000	2500	U,J
entachlorophenol	<500	ug/l	500	1000	
henol	<500	ug/l	500	500	U,J
Tetrachlorophenols	<1000	ug/l	1000	2500	
2,4,5-Trichlorophenol	<500	ug/l	500	500	
2,4,6-Trichlorophenol	4500	ug/l	500	500	

MW-05-24

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	42.2	mg/l	0.153P	0.25	
Fuel oil no. 6	0.930	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 11:15

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	1500	ug/l	1.2	1.2	

MW-05-34

Analysis: 300.0 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	104P	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	0.120	mg/l	0.0113P	0.1	
Sulfate	67.3P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	112	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.0719P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	1.28P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.125	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	254P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	1420	mg/l	16	50	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	381P	mg/l	1.17P	10	

Analysis: 6010B Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.495	mg/l	0.0434P	0.1	
CalciumP	2.83P	mg/l	0.0361P	0.1	
Iron	3.85	mg/l	0.0064P	0.1	
MagnesiumP	1.59P	mg/l	0.0136	0.1	
otassiumP	1.17P	mg/l	0.111P	1	
SodiumP	187P	mg/l	0.0334P	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.336	mg/l	0.000149P	0.002	

MW-05-34

Analysis: 8151MOD Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	10400	ug/l	1260	3000	
2,4-DP	52600	ug/l	6550	15000	
Dalapon	<22	ug/l	22	200	
2,4-DBP	635	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<116	ug/l	116	300	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<12700	ug/l	12700	30000	
MC	<11100	ug/l	11100	30000	
2,4,5-TP	2140	ug/l	139P	300	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

MW-05-34

Analysis: 8260B Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<234P	ug/l	234P	2500	
Benzene	265	ug/l	14.7P	100	
Bromobenzene	<33.3P	ug/l	33.3P	100	
Bromochloromethane	<26.6	ug/l	26.6	100	
Bromodichloromethane	<18.3P	ug/l	18.3P	100	
BromoformP	<17.4P	ug/l	17.4P	100	
Bromomethane	<28.2	ug/l	28.2	1000	
2-Butanone (MEK)P	<160	ug/l	160	2500	
n-Butylbenzene	<18.3P	ug/l	18.3P	100	
sec-Butylbenzene	<19.3P	ug/l	19.3P	100	
Carbon disulfide	<23.3P	ug/l	23.3P	1000	
Carbon Tetrachloride	<14P	ug/l	14P	200	
Chlorobenzene	334P	ug/l	13.6	100	
Chloroethane	<32.7P	ug/l	32.7P	200	
ChloroformP	<14.3P	ug/l	14.3P	100	
Chloromethane	<15.9P	ug/l	15.9P	500	U,J
2-Chlorotoluene	<11P	ug/l	11P	100	
4-Chlorotoluene	<12	ug/l	12	100	
1,2-Dibromo-3-chloropropane	<40.5	ug/l	40.5	100	
Dibromochloromethane	<13.3P	ug/l	13.3P	100	
1,2-Dibromoethane	<18.7P	ug/l	18.7P	100	
Dibromomethane	<11.7P	ug/l	11.7P	100	
1,2-Dichlorobenzene	10900	ug/l	8.59P	100	
1,3-Dichlorobenzene	430	ug/l	13.2	100	
1,4-Dichlorobenzene	3610	ug/l	18.7P	100	
Dichlorodifluoromethane	<31.2	ug/l	31.2	500	
1,1-Dichloroethane	<15.7P	ug/l	15.7P	100	
1,2-Dichloroethane	<14.2	ug/l	14.2	100	
1,1-Dichloroethene	<19.7P	ug/l	19.7P	100	
cis-1,2-Dichloroethene	<17P	ug/l	17P	100	
trans-1,2-Dichloroethene	<17.5	ug/l	17.5	100	
1,2-Dichloropropane	<26.6	ug/l	26.6	100	
1,3-Dichloropropane	<15.1P	ug/l	15.1P	100	
2,2-Dichloropropane	<10.4P	ug/l	10.4P	100	
1,1-Dichloropropene	<14.9P	ug/l	14.9P	100	
cis-1,3-Dichloropropene	<12.8P	ug/l	12.8P	100	
trans-1,3-Dichloropropene	<15.2	ug/l	15.2	100	
2-Ethyl-1-hexanol	12900	ug/l	10000	10000	J
Ethylbenzene	9220	ug/l	11P	100	
Hexachlorobutadiene	<87.8P	ug/l	87.8P	200	
2-Hexanone	<110	ug/l	110	1000	
Iodomethane	<238P	ug/l	238P	2000	
Isobutylalcohol	16500	ug/l	1590	10000	J
Isopropylbenzene	(64.0)P	ug/l	10.7P	100	
4-Isopropyltoluene	<14.9P	ug/l	14.9P	100	

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Analysis: 8260B Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<149P	ug/l	149P	500	
Methylene chloride	(338)P	ug/l	45.4P	500	
Naphthalene	<9.89P	ug/l	9.89P	100	
n-Propylbenzene	172	ug/l	13.8P	100	
Styrene	<7.23P	ug/l	7.23P	100	
tert-Butylbenzene	<20.6	ug/l	20.6	100	
1,1,1,2-Tetrachloroethane	<14.8P	ug/l	14.8P	100	
1,1,2,2-Tetrachloroethane	<29.4P	ug/l	29.4P	100	
Tetrachloroethene	<10.9P	ug/l	10.9P	100	
Toluene	1660	ug/l	15.5	100	
1,2,3-Trichlorobenzene	<21.9P	ug/l	21.9P	100	
1,2,4-Trichlorobenzene	117P	ug/l	21.3P	100	U
1,1,1-Trichloroethane	<8.59P	ug/l	8.59P	100	
1,1,2-Trichloroethane	<30.1P	ug/l	30.1P	100	
Trichloroethene	4290	ug/l	24.1P	100	
Trichlorofluoromethane	<16	ug/l	16	100	
1,2,3-Trichloropropane	<36.5	ug/l	36.5	100	
1,2,4-Trimethylbenzene	1410	ug/l	8.84P	100	
1,3,5-Trimethylbenzene	429P	ug/l	15.7P	100	
Vinyl chloride	<15.2	ug/l	15.2	100	
m,p-Xylene	24900	ug/l	29.5	200	
o-Xylene	6900	ug/l	18.7P	100	

Analysis: 8270C Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<300	ug/l	300	500	
2-Chlorophenol	2360	ug/l	500	500	
2,4-Dichlorophenol	98900	ug/l	10000	10000	
2,6-Dichlorophenol	7380	ug/l	1000	2500	
2,4-Dimethylphenol	<1000	ug/l	1000	1000	
2,4-Dinitrophenol	<1500	ug/l	1500	2500	
DinosebP	<1000	ug/l	1000	2500	
2-Methyl-4,6-dinitrophenol	<500	ug/l	500	1000	
2-Methylphenol	<500	ug/l	500	1000	
3 & 4-Methylphenol	<500	ug/l	500	500	
2-Nitrophenol	<500	ug/l	500	500	
4-Nitrophenol	<1000	ug/l	1000	2500	U,J
entachlorophenol	<500	ug/l	500	1000	
henol	(472)P	ug/l	300	500	J
Tetrachlorophenols	<1000	ug/l	1000	2500	
2,4,5-Trichlorophenol	584P	ug/l	500	500	
2,4,6-Trichlorophenol	10400	ug/l	500	500	

MW-05-34

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	140	mg/l	1.53P	2.5	
Fuel oil no. 6	<2.86	mg/l	2.86	5	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 12:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	249P	ug/l	1.2	1.2	

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Analysis: 300.0 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	60.9P	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	35.0	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	230	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.331)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	7.02	mg/l	0.0141P	0.1	

Analysis: 376.2 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.111)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	6.78P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	59.7P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	12.7P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0460)P	mg/l	0.0434P	0.1	
CalciumP	1.39P	mg/l	0.0361P	0.1	
Iron	3.10	mg/l	0.0064P	0.1	
MagnesiumP	3.06	mg/l	0.0136	0.1	
otassiumP	(0.488)P	mg/l	0.111P	1	
SodiumP	150	mg/l	0.0334P	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.255	mg/l	0.000149P	0.002	

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Analysis: 8151MOD Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	141P	ug/l	25.2	60	
2,4-DP	3710	ug/l	131P	300	
Dalapon	<22	ug/l	22	200	
2,4-DBP	<38P	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<23.2	ug/l	23.2	60	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<2540	ug/l	2540	6000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	111P	ug/l	27.8P	60	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

MW-05-52

Analysis: 8260B Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<117P	ug/l	117P	1250	
Benzene	(32.5)P	ug/l	7.35	50	
Bromobenzene	<16.6	ug/l	16.6	50	
Bromochloromethane	<13.3P	ug/l	13.3P	50	
Bromodichloromethane	<9.15	ug/l	9.15	50	
BromoformP	<8.7P	ug/l	8.7P	50	
Bromomethane	<14.1P	ug/l	14.1P	500	
2-Butanone (MEK)P	<80	ug/l	80	1250	
n-Butylbenzene	<9.15	ug/l	9.15	50	
sec-Butylbenzene	<9.65	ug/l	9.65	50	
Carbon disulfide	<11.6	ug/l	11.6	500	
Carbon Tetrachloride	<7P	ug/l	7P	100	
Chlorobenzene	296	ug/l	6.8P	50	
Chloroethane	<16.4P	ug/l	16.4P	100	
ChloroformP	(7.50)P	ug/l	7.15	50	
Chloromethane	<7.95	ug/l	7.95	250	U,J
2-Chlorotoluene	<5.5	ug/l	5.5	50	
4-Chlorotoluene	<6	ug/l	6	50	
1,2-Dibromo-3-chloropropane	<20.2	ug/l	20.2	50	
Dibromochloromethane	<6.65	ug/l	6.65	50	
1,2-Dibromoethane	<9.35	ug/l	9.35	50	
Dibromomethane	<5.85	ug/l	5.85	50	
1,2-Dichlorobenzene	6700	ug/l	4.3P	50	
1,3-Dichlorobenzene	238P	ug/l	6.6	50	
1,4-Dichlorobenzene	1860	ug/l	9.35	50	
Dichlorodifluoromethane	<15.6	ug/l	15.6	250	
1,1-Dichloroethane	<7.85	ug/l	7.85	50	
1,2-Dichloroethane	<7.1P	ug/l	7.1P	50	
1,1-Dichloroethene	<9.85	ug/l	9.85	50	
cis-1,2-Dichloroethene	<8.5	ug/l	8.5	50	
trans-1,2-Dichloroethene	<8.75	ug/l	8.75	50	
1,2-Dichloropropane	<13.3P	ug/l	13.3P	50	
1,3-Dichloropropane	<7.55	ug/l	7.55	50	
2,2-Dichloropropane	<5.2	ug/l	5.2	50	
1,1-Dichloropropene	<7.45	ug/l	7.45	50	
cis-1,3-Dichloropropene	<6.4P	ug/l	6.4P	50	
trans-1,3-Dichloropropene	<7.6	ug/l	7.6	50	
2-Ethyl-1-hexanol	<5000	ug/l	5000	5000	U,J
Ethylbenzene	2800	ug/l	5.5	50	
Hexachlorobutadiene	<43.9P	ug/l	43.9P	100	
2-Hexanone	<55	ug/l	55	500	
Iodomethane	<119P	ug/l	119P	1000	
Isobutylalcohol	<795	ug/l	795	5000	
Isopropylbenzene	(21.5)P	ug/l	5.35	50	
4-Isopropyltoluene	<7.45	ug/l	7.45	50	

MW-05-52

Analysis: 8260B Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<74.5	ug/l	74.5	250	
Methylene chloride	(23.0)P	ug/l	22.7P	250	
Naphthalene	<4.94P	ug/l	4.94P	50	
n-Propylbenzene	(40.0)P	ug/l	6.9P	50	
Styrene	<3.62	ug/l	3.62	50	
tert-Butylbenzene	<10.3P	ug/l	10.3P	50	
1,1,1,2-Tetrachloroethane	<7.4P	ug/l	7.4P	50	
1,1,2,2-Tetrachloroethane	<14.7P	ug/l	14.7P	50	
Tetrachloroethene	(6.00)P	ug/l	5.45	50	
Toluene	53.0	ug/l	7.75	50	
1,2,3-Trichlorobenzene	<11P	ug/l	11P	50	
1,2,4-Trichlorobenzene	(24.0)P	ug/l	10.6	50	U
1,1,1-Trichloroethane	<4.3P	ug/l	4.3P	50	
1,1,2-Trichloroethane	<15	ug/l	15	50	
Trichloroethene	85.0	ug/l	12	50	
Trichlorofluoromethane	<8P	ug/l	8P	50	
1,2,3-Trichloropropane	<18.2	ug/l	18.2	50	
1,2,4-Trimethylbenzene	261P	ug/l	4.42	50	
1,3,5-Trimethylbenzene	80.5	ug/l	7.85	50	
Vinyl chloride	<7.6	ug/l	7.6	50	
m,p-Xylene	2900	ug/l	14.8P	100	
o-Xylene	2170	ug/l	9.35	50	

Analysis: 8270C Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-Chloro-3-methylphenol	<24P	ug/l	24P	40	
2-Chlorophenol	43.0	ug/l	40	40	
2,4-Dichlorophenol	149P	ug/l	40	40	
2,6-Dichlorophenol	<80	ug/l	80	200	
2,4-Dimethylphenol	<80	ug/l	80	80	
2,4-Dinitrophenol	<120	ug/l	120	200	
DinosebP	<80	ug/l	80	200	
2-Methyl-4,6-dinitrophenol	<40	ug/l	40	80	
2-Methylphenol	<40	ug/l	40	80	
3 & 4-Methylphenol	<40	ug/l	40	40	
2-Nitrophenol	<40	ug/l	40	40	
4-Nitrophenol	<80	ug/l	80	200	U,J
entachlorophenol	<40	ug/l	40	80	
henol	<40	ug/l	40	40	U,J
Tetrachlorophenols	<80	ug/l	80	200	
2,4,5-Trichlorophenol	108P	ug/l	40	40	
2,4,6-Trichlorophenol	195	ug/l	40	40	

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Analysis: 8290 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<2.7P	pg/l	2.7P	12	
1,2,3,4,6,7,8-HpCDF	<5.1P	pg/l	5.1P	12	
1,2,3,4,7,8,9-HpCDF	<2.3P	pg/l	2.3P	12	
1,2,3,4,7,8-HxCDDP	<2.2	pg/l	2.2	12	
1,2,3,6,7,8-HxCDDP	<2.3P	pg/l	2.3P	12	
1,2,3,7,8,9-HxCDDP	<2.2	pg/l	2.2	12	
1,2,3,4,7,8-HxCDF	<2.2	pg/l	2.2	12	
1,2,3,6,7,8-HxCDF	<2.2	pg/l	2.2	12	
1,2,3,7,8,9-HxCDF	<2.7P	pg/l	2.7P	12	
2,3,4,6,7,8-HxCDF	<2.4P	pg/l	2.4P	12	
1,2,3,4,6,7,8,9-OCDDP	<8.9P	pg/l	8.9P	25	
1,2,3,4,6,7,8,9-OCDF	<6.1P	pg/l	6.1P	25	
1,2,3,7,8-PeCDDP	<3.4P	pg/l	3.4P	12	
1,2,3,7,8-PeCDF	<2.4P	pg/l	2.4P	12	
2,3,4,7,8-PeCDF	<2.4P	pg/l	2.4P	12	
2,3,7,8-TCDDP	52	pg/l	2.5	10	
2,3,7,8-TCDF	<1.2	pg/l	1.2	2.5	
Total HpCDDP	<2.7P	pg/l	2.7P	2.7	
Total HpCDF	<5.1P	pg/l	5.1P	5.1	
Total HxCDDP	<2.3P	pg/l	2.3P	2.3	
Total HxCDF	<2.7P	pg/l	2.7P	2.7	
Total eCDDP	<5.6	pg/l	5.6	5.6	
Total eCDF	170	pg/l	50	50	
Total TCDDP	520	pg/l	10	10	
Total TCDF	750	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	4.55	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 13:20

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	48.2	ug/l	1.2	1.2	

MW-05-70

Analysis: 300.0 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	41.7P	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	30.2	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	276	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.0708P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.312)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	1.24P	mg/l	0.00705	0.05	

Analysis: 376.2 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	8.21P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.44P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.206	mg/l	0.0434P	0.1	
CalciumP	1.59P	mg/l	0.0361P	0.1	
Iron	1.10	mg/l	0.0064P	0.1	
MagnesiumP	0.751P	mg/l	0.0136	0.1	
otassiumP	2.04P	mg/l	0.111P	1	
SodiumP	159P	mg/l	0.0334P	2	

Analysis: 6020 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.416	mg/l	0.000149P	0.002	

MW-05-70

Analysis: 8151MOD Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	4.94P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	J
2,4,5-TP(Silvex)P	(2.72)P	ug/l	1.24P	3	

MW-05-70

Analysis: 8260B Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	(1.40)P	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	36.4P	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	U,J
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	645	ug/l	0.43P	5	
1,3-Dichlorobenzene	16.4P	ug/l	0.66	5	
1,4-Dichlorobenzene	164P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	<0.985	ug/l	0.985	5	
cis-1,2-Dichloroethene	6.10	ug/l	0.85	5	
trans-1,2-Dichloroethene	<0.875	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

MW-05-70

Analysis: 8260B Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	11.6	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	<0.76	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

MW-05-70

Analysis: 8290 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<2.6	pg/l	2.6	12	
1,2,3,4,6,7,8-HpCDF	<2.7P	pg/l	2.7P	12	
1,2,3,4,7,8,9-HpCDF	<2.2	pg/l	2.2	12	
1,2,3,4,7,8-HxCDDP	<2.4P	pg/l	2.4P	12	
1,2,3,6,7,8-HxCDDP	<2.6	pg/l	2.6	12	
1,2,3,7,8,9-HxCDDP	<2.4P	pg/l	2.4P	12	
1,2,3,4,7,8-HxCDF	<2.2	pg/l	2.2	12	
1,2,3,6,7,8-HxCDF	<2.2	pg/l	2.2	12	
1,2,3,7,8,9-HxCDF	<2.8P	pg/l	2.8P	12	
2,3,4,6,7,8-HxCDF	<2.4P	pg/l	2.4P	12	
1,2,3,4,6,7,8,9-OCDDP	<12	pg/l	12	25	
1,2,3,4,6,7,8,9-OCDF	<3.5	pg/l	3.5	25	
1,2,3,7,8-PeCDDP	<3.2	pg/l	3.2	12	
1,2,3,7,8-PeCDF	<2.2	pg/l	2.2	12	
2,3,4,7,8-PeCDF	<2.2	pg/l	2.2	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	4	
2,3,7,8-TCDF	<0.92	pg/l	0.92	2.5	
Total HpCDDP	<2.6	pg/l	2.6	2.6	
Total HpCDF	<2.7P	pg/l	2.7P	2.7	
Total HxCDDP	<2.6	pg/l	2.6	2.6	
Total HxCDF	<2.8P	pg/l	2.8P	2.8	
Total eCDDP	<3.2	pg/l	3.2	3.2	
Total eCDF	<3.9P	pg/l	3.9P	3.9	
Total TCDDP	<4P	pg/l	4P	4	
Total TCDF	17P	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.279P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/26/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	305	ug/l	1.2	1.2	

MW-10-24

Analysis: 300.0 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	7.14P	mg/l	0.057P	0.5	
Nitrate	1.12	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	15.7P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	154P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	(0.0244)P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	<0.0948P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0514P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	(2.92)P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	11.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	3.05	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.474P	mg/l	0.0434P	0.1	
CalciumP	32.4P	mg/l	0.0361P	0.1	
Iron	0.891P	mg/l	0.0064P	0.1	
MagnesiumP	14.2	mg/l	0.0136	0.1	
otassiumP	1.56	mg/l	0.111P	1	
SodiumP	23.5	mg/l	0.0167P	1	

MW-10-24

Analysis: 6020 (Dissolved) Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	(0.000936)P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	0.00251P	mg/l	0.00072	0.001	
Copper (Dissolved)P	0.00530	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00400	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	0.00673P	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	0.0143P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00100	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	0.00386	mg/l	0.00072	0.001	
Copper	0.00622	mg/l	0.000788P	0.002	
Lead	(0.000940)P	mg/l	0.000224P	0.001	
Manganese	0.644P	mg/l	0.000149P	0.002	
Nickel	0.00567P	mg/l	0.000376	0.002	
VanadiumP	0.00848P	mg/l	0.000601P	0.005	
Zinc	0.0163P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

MW-10-24

Analysis: 8081A Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	2.29P	ug/l	0.25	0.5	
gamma-BHC (Lindane)P	0.821P	ug/l	0.25	0.5	
alpha-BHC	0.929P	ug/l	0.25	0.5	
beta-BHC	1.70	ug/l	0.25	0.5	
delta-BHC	1.96	ug/l	0.25	0.5	
alpha-Chlordane	0.624P	ug/l	0.25	0.5	
gamma-Chlordane	1.06	ug/l	0.25	0.5	
4,4'-DDDP	<0.5	ug/l	0.5	0.5	
4,4'-DDE	<0.25	ug/l	0.25	0.5	
4,4'-DDTP	<0.25	ug/l	0.25	0.5	
Dieldrin	3.71P	ug/l	0.5	1	
Endosulfan IP	<0.25	ug/l	0.25	0.5	
Endosulfan IIP	<0.5	ug/l	0.5	1	
Endosulfan sulfate	<0.25	ug/l	0.25	0.5	
Endrin	1.09P	ug/l	0.25	0.5	
Endrin aldehyde	<0.5	ug/l	0.5	1	
Endrin Ketone	2.02	ug/l	0.25	0.5	
Heptachlor	<0.25	ug/l	0.25	0.5	
Heptachlor epoxide	<0.25	ug/l	0.25	0.5	
Hexachlorobenzene	<0.05	ug/l	0.05	0.1	
Methoxychlor	<0.25	ug/l	0.25	0.5	

Analysis: NWTPH-DX Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	6.09P	ug/l	1.2	1.2	

MW-10-24 (Dup)

Analysis: 6020 (Dissolved) Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	(0.000474)P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	(0.000144)P	mg/l	0.000138P	0.001	U
Chromium (Dissolved)P	0.00271P	mg/l	0.00072	0.001	
Copper (Dissolved)P	0.00565	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00456	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	0.00714P	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	0.0189P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	(0.000935)P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	0.00369P	mg/l	0.00072	0.001	
Copper	0.00586	mg/l	0.000788P	0.002	
Lead	(0.000768)P	mg/l	0.000224P	0.001	
Nickel	0.00517P	mg/l	0.000376	0.002	
VanadiumP	0.00885	mg/l	0.000601P	0.005	
Zinc	0.0154P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

MW-10-24 (Dup)

Analysis: 8081A Sample Date: 04/13/05 Time: 14:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	2.06	ug/l	0.25	0.5	
gamma-BHC (Lindane)P	0.708P	ug/l	0.25	0.5	
alpha-BHC	0.807P	ug/l	0.25	0.5	
beta-BHC	1.50	ug/l	0.25	0.5	
delta-BHC	1.88P	ug/l	0.25	0.5	
alpha-Chlordane	0.573P	ug/l	0.25	0.5	
gamma-Chlordane	0.935	ug/l	0.25	0.5	N
4,4'-DDDP	<0.5	ug/l	0.5	0.5	
4,4'-DDE	<0.25	ug/l	0.25	0.5	
4,4'-DDTP	<0.25	ug/l	0.25	0.5	
Dieldrin	3.88P	ug/l	0.5	1	
Endosulfan IP	<0.25	ug/l	0.25	0.5	
Endosulfan IIP	<1P	ug/l	1P	1	
Endosulfan sulfate	<0.25	ug/l	0.25	0.5	
Endrin	1.00	ug/l	0.5	1	
Endrin aldehyde	<0.5	ug/l	0.5	1	
Endrin Ketone	1.91P	ug/l	0.5	1	
Heptachlor	<0.5	ug/l	0.5	0.5	
Heptachlor epoxide	<0.25	ug/l	0.25	0.5	
Hexachlorobenzene	<0.05	ug/l	0.05	0.1	
Methoxychlor	<0.5	ug/l	0.5	1	

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Analysis: 300.0 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	6.35	mg/l	0.057P	0.5	
Nitrate	1.78P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	19.7P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	153P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.343)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.362	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0795)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	<1.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.82	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	2.62	mg/l	0.0434P	0.1	J
CalciumP	5.76	mg/l	0.0361P	0.1	
Iron	5.74P	mg/l	0.0064P	0.1	
MagnesiumP	2.79P	mg/l	0.0136	0.1	
otassiumP	2.28P	mg/l	0.111P	1	
SodiumP	76.7P	mg/l	0.0167P	1	

Analysis: 6020 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.0739P	mg/l	0.000149P	0.002	

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Analysis: 8151MOD Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	<1.24P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	<0.136	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	<0.0859P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	<0.132	ug/l	0.132	1	
1,4-Dichlorobenzene	<0.187P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

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Analysis: 8260B Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

Analysis: NWTPH-DX Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	<1.2	ug/l	1.2	1.2	

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Analysis: 300.0 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	853P	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	232	mg/l	0.419P	10	

Analysis: 310.1 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	525	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.174P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.714P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0254P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	36.0	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	9.61P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.670	mg/l	0.0434P	0.1	
CalciumP	140	mg/l	0.361P	1	
Iron	3.93P	mg/l	0.0064P	0.1	
MagnesiumP	51.1P	mg/l	0.0136	0.1	
otassiumP	13.9P	mg/l	0.111P	1	
SodiumP	635	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	3.72	mg/l	0.000745	0.01	

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Analysis: 8151MOD Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	4.52	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	18.7P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<4.68P	ug/l	4.68P	50	
Benzene	(0.680)P	ug/l	0.294P	2	
Bromobenzene	<0.666	ug/l	0.666	2	
Bromochloromethane	<0.532	ug/l	0.532	2	
Bromodichloromethane	<0.366	ug/l	0.366	2	
BromoformP	<0.348P	ug/l	0.348P	2	
Bromomethane	<0.564P	ug/l	0.564P	20	
2-Butanone (MEK)P	<3.2	ug/l	3.2	50	
n-Butylbenzene	<0.366	ug/l	0.366	2	
sec-Butylbenzene	<0.386	ug/l	0.386	2	
Carbon disulfide	<0.466	ug/l	0.466	20	
Carbon Tetrachloride	<0.28P	ug/l	0.28P	4	
Chlorobenzene	43.5	ug/l	0.272	2	
Chloroethane	<0.654P	ug/l	0.654P	4	
ChloroformP	<0.286	ug/l	0.286	2	
Chloromethane	<0.318P	ug/l	0.318P	10	
2-Chlorotoluene	<0.22	ug/l	0.22	2	
4-Chlorotoluene	<0.24P	ug/l	0.24P	2	
1,2-Dibromo-3-chloropropane	<0.81P	ug/l	0.81P	2	
Dibromochloromethane	<0.266	ug/l	0.266	2	
1,2-Dibromoethane	<0.374P	ug/l	0.374P	2	
Dibromomethane	<0.234P	ug/l	0.234P	2	
1,2-Dichlorobenzene	300	ug/l	0.172	2	
1,3-Dichlorobenzene	8.56	ug/l	0.264P	2	
1,4-Dichlorobenzene	77.1P	ug/l	0.374P	2	
Dichlorodifluoromethane	<0.624P	ug/l	0.624P	10	
1,1-Dichloroethane	<0.314P	ug/l	0.314P	2	
1,2-Dichloroethane	<0.284P	ug/l	0.284P	2	
1,1-Dichloroethene	(1.08)P	ug/l	0.394P	2	
cis-1,2-Dichloroethene	5.08P	ug/l	0.34P	2	
trans-1,2-Dichloroethene	(0.480)P	ug/l	0.35	2	
1,2-Dichloropropane	<0.532	ug/l	0.532	2	
1,3-Dichloropropane	<0.302	ug/l	0.302	2	
2,2-Dichloropropane	<0.208P	ug/l	0.208P	2	
1,1-Dichloropropene	<0.298P	ug/l	0.298P	2	
cis-1,3-Dichloropropene	<0.256	ug/l	0.256	2	
trans-1,3-Dichloropropene	<0.304P	ug/l	0.304P	2	
2-Ethyl-1-hexanol	<200	ug/l	200	200	U,J
Ethylbenzene	<0.22	ug/l	0.22	2	
Hexachlorobutadiene	<1.76	ug/l	1.76	4	
2-Hexanone	<2.2	ug/l	2.2	20	
Iodomethane	<4.76	ug/l	4.76	40	
Isobutylalcohol	<31.8P	ug/l	31.8P	200	
Isopropylbenzene	<0.214P	ug/l	0.214P	2	
4-Isopropyltoluene	<0.298P	ug/l	0.298P	2	

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Analysis: 8260B Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<2.98P	ug/l	2.98P	10	
Methylene chloride	<0.908P	ug/l	0.908P	10	
Naphthalene	<0.198P	ug/l	0.198P	2	
n-Propylbenzene	<0.276	ug/l	0.276	2	
Styrene	<0.145	ug/l	0.145	2	
tert-Butylbenzene	<0.412	ug/l	0.412	2	
1,1,1,2-Tetrachloroethane	<0.296	ug/l	0.296	2	
1,1,2,2-Tetrachloroethane	<0.588P	ug/l	0.588P	2	
Tetrachloroethene	<0.218P	ug/l	0.218P	2	
Toluene	<0.31P	ug/l	0.31P	2	
1,2,3-Trichlorobenzene	<0.438P	ug/l	0.438P	2	
1,2,4-Trichlorobenzene	<0.426	ug/l	0.426	2	
1,1,1-Trichloroethane	<0.172	ug/l	0.172	2	
1,1,2-Trichloroethane	<0.602	ug/l	0.602	2	
Trichloroethene	5.02	ug/l	0.482	2	
Trichlorofluoromethane	<0.32	ug/l	0.32	2	
1,2,3-Trichloropropane	<0.73P	ug/l	0.73P	2	
1,2,4-Trimethylbenzene	<0.177P	ug/l	0.177P	2	
1,3,5-Trimethylbenzene	<0.314P	ug/l	0.314P	2	
Vinyl chloride	7.88P	ug/l	0.304P	2	
m,p-Xylene	<0.59P	ug/l	0.59P	4	
o-Xylene	<0.374P	ug/l	0.374P	2	

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Analysis: 8290 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<6.1P	pg/l	6.1P	12	
1,2,3,4,6,7,8-HpCDF	<5.2	pg/l	5.2	12	
1,2,3,4,7,8,9-HpCDF	<6.6	pg/l	6.6	12	
1,2,3,4,7,8-HxCDDP	<7P	pg/l	7P	12	
1,2,3,6,7,8-HxCDDP	<5.4P	pg/l	5.4P	12	
1,2,3,7,8,9-HxCDDP	<5.9P	pg/l	5.9P	12	
1,2,3,4,7,8-HxCDF	<4.6	pg/l	4.6	12	
1,2,3,6,7,8-HxCDF	<3.8P	pg/l	3.8P	12	
1,2,3,7,8,9-HxCDF	<5	pg/l	5	12	
2,3,4,6,7,8-HxCDF	<4.5	pg/l	4.5	12	
1,2,3,4,6,7,8,9-OCDDP	<11P	pg/l	11P	25	
1,2,3,4,6,7,8,9-OCDF	<9.7P	pg/l	9.7P	25	
1,2,3,7,8-PeCDDP	<6.6	pg/l	6.6	12	
1,2,3,7,8-PeCDF	<4P	pg/l	4P	12	
2,3,4,7,8-PeCDF	<4.1P	pg/l	4.1P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.8	
2,3,7,8-TCDF	<2.3P	pg/l	2.3P	2.5	
Total HpCDDP	<6.1P	pg/l	6.1P	6.1	
Total HpCDF	<6.6	pg/l	6.6	6.6	
Total HxCDDP	<7P	pg/l	7P	7	
Total HxCDF	<5	pg/l	5	5	
Total eCDDP	<6.6	pg/l	6.6	6.6	
Total eCDF	<4.1P	pg/l	4.1P	4.1	
Total TCDDP	<2.8P	pg/l	2.8P	2.8	
Total TCDF	<2.3P	pg/l	2.3P	2.3	

Analysis: NWTPH-DX Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.257P	mg/l	0.153P	0.25	U
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 12:25

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	498P	ug/l	1.2	1.2	

RP-01-65

Analysis: 300.0 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1530	mg/l	2.85	25	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.565	mg/l	0.565	5	
Sulfate	144P	mg/l	2.1P	50	

Analysis: 310.1 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	414P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	(0.0135)P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.244)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0801P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	31.3P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	3.87P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	<0.0434P	mg/l	0.0434P	0.1	
CalciumP	363P	mg/l	0.361P	1	
Iron	0.222	mg/l	0.0064P	0.1	
MagnesiumP	130	mg/l	0.136	1	
otassiumP	18.6	mg/l	0.111P	1	
SodiumP	488P	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	2.97P	mg/l	0.000745	0.01	

RP-01-65

Analysis: 8151MOD Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	R
2,4-DP	5.03P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	8.71P	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	31.4P	ug/l	1.24P	3	

RP-01-65

Analysis: 8260B Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	12.2	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	90.0	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	(0.800)P	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	660	ug/l	0.43P	5	
1,3-Dichlorobenzene	18.6	ug/l	0.66	5	
1,4-Dichlorobenzene	171P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	(2.20)P	ug/l	0.985	5	
cis-1,2-Dichloroethene	9.90	ug/l	0.85	5	
trans-1,2-Dichloroethene	(1.20)P	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

RP-01-65

Analysis: 8260B Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	13.2	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	20.4P	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

RP-01-65

Analysis: 8290 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<6.9P	pg/l	6.9P	12	
1,2,3,4,6,7,8-HpCDF	<5.9P	pg/l	5.9P	12	
1,2,3,4,7,8,9-HpCDF	<7.5	pg/l	7.5	12	
1,2,3,4,7,8-HxCDDP	<7.3P	pg/l	7.3P	12	
1,2,3,6,7,8-HxCDDP	<5.6	pg/l	5.6	12	
1,2,3,7,8,9-HxCDDP	<6	pg/l	6	12	
1,2,3,4,7,8-HxCDF	<5.8P	pg/l	5.8P	12	
1,2,3,6,7,8-HxCDF	<4.8P	pg/l	4.8P	12	
1,2,3,7,8,9-HxCDF	<6.4P	pg/l	6.4P	12	
2,3,4,6,7,8-HxCDF	<5.7P	pg/l	5.7P	12	
1,2,3,4,6,7,8,9-OCDDP	<11P	pg/l	11P	25	
1,2,3,4,6,7,8,9-OCDF	<11P	pg/l	11P	25	
1,2,3,7,8-PeCDDP	<7P	pg/l	7P	12	
1,2,3,7,8-PeCDF	<4.7P	pg/l	4.7P	12	
2,3,4,7,8-PeCDF	<4.7P	pg/l	4.7P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	3.2	
2,3,7,8-TCDF	<2.5	pg/l	2.5	2.6	
Total HpCDDP	<6.9P	pg/l	6.9P	6.9	
Total HpCDF	<7.5	pg/l	7.5	7.5	
Total HxCDDP	<7.3P	pg/l	7.3P	7.3	
Total HxCDF	<6.4P	pg/l	6.4P	6.4	
Total eCDDP	<7P	pg/l	7P	7	
Total eCDF	<4.7P	pg/l	4.7P	4.7	
Total TCDDP	<3.2	pg/l	3.2	3.2	
Total TCDF	<2.6	pg/l	2.6	2.6	

Analysis: NWTPH-DX Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.452	mg/l	0.153P	0.25	U
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 11:37

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	748P	ug/l	1.2	1.2	

RP-02-66

Analysis: 300.0 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	15500	mg/l	57P	500	
Nitrate	<3.21P	mg/l	3.21P	10	
Nitrite(as N)P	<1.13P	mg/l	1.13P	10	
Sulfate	(60.0)P	mg/l	4.19P	100	

Analysis: 310.1 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	252	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.0615	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	<0.0948P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0862	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0934)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	124P	mg/l	8P	25	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	(0.428)P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	<0.0434P	mg/l	0.0434P	0.1	
CalciumP	1550	mg/l	3.61P	10	
Iron	(0.0851)P	mg/l	0.0064P	0.1	
MagnesiumP	426	mg/l	0.136	1	
otassiumP	73.7P	mg/l	1.11P	10	
SodiumP	7650	mg/l	1.67P	100	

RP-02-66

Analysis: 6020 (Dissolved) Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	<0.0084P	mg/l	0.0084P	0.02	
Cadmium (Dissolved)P	(0.00414)P	mg/l	0.00069P	0.005	
Chromium (Dissolved)P	<0.0036	mg/l	0.0036	0.005	
Copper (Dissolved)P	0.0258P	mg/l	0.00394P	0.01	
Lead (Dissolved)P	<0.00112	mg/l	0.00112	0.005	
Nickel (Dissolved)P	0.123P	mg/l	0.00188P	0.01	
Vanadium (Dissolved)P	(0.00754)P	mg/l	0.003P	0.025	J
Zinc (Dissolved)P	(0.0238)P	mg/l	0.0075	0.025	J

Analysis: 6020 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	<0.0084P	mg/l	0.0084P	0.02	
CadmiumP	(0.00505)P	mg/l	0.00138P	0.01	
ChromiumP	<0.0072	mg/l	0.0072	0.01	
Copper	0.0292	mg/l	0.00788P	0.02	
Lead	(0.000674)P	mg/l	0.000224P	0.001	
Manganese	5.85	mg/l	0.00149P	0.02	
Nickel	0.125	mg/l	0.00376	0.02	
VanadiumP	(0.0168)P	mg/l	0.00601P	0.05	
Zinc	(0.0194)P	mg/l	0.015	0.05	

Analysis: 7470A (Dissolved) Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/20/05 Time: 09:52

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	7.60	ug/l	1.24P	3	

RP-02-66

Analysis: 8260B Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	(0.150)P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	20.8P	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	(0.420)P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	102	ug/l	0.0859P	1	J
1,3-Dichlorobenzene	2.92	ug/l	0.132	1	
1,4-Dichlorobenzene	28.5	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	(0.420)P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	1.73P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

RP-02-66

Analysis: 8260B Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	(0.240)P	ug/l	0.0989P	1	U
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	(0.590)P	ug/l	0.219P	1	U
1,2,4-Trichlorobenzene	(0.230)P	ug/l	0.213P	1	U
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	1.47P	ug/l	0.241P	1	
Trichlorofluoromethane	(0.810)P	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	4.57P	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

RP-02-66

Analysis: 8290 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<6.8P	pg/l	6.8P	12	
1,2,3,4,6,7,8-HpCDF	<3.8P	pg/l	3.8P	12	
1,2,3,4,7,8,9-HpCDF	<3.8P	pg/l	3.8P	12	
1,2,3,4,7,8-HxCDDP	<6.2	pg/l	6.2	12	
1,2,3,6,7,8-HxCDDP	<4.8P	pg/l	4.8P	12	
1,2,3,7,8,9-HxCDDP	<5.2	pg/l	5.2	12	
1,2,3,4,7,8-HxCDF	<4.4P	pg/l	4.4P	12	
1,2,3,6,7,8-HxCDF	<3.6	pg/l	3.6	12	
1,2,3,7,8,9-HxCDF	<4.8P	pg/l	4.8P	12	
2,3,4,6,7,8-HxCDF	<4.3P	pg/l	4.3P	12	
1,2,3,4,6,7,8,9-OCDDP	<12	pg/l	12	25	
1,2,3,4,6,7,8,9-OCDF	<10	pg/l	10	25	
1,2,3,7,8-PeCDDP	<5.8P	pg/l	5.8P	12	
1,2,3,7,8-PeCDF	<3.8P	pg/l	3.8P	12	
2,3,4,7,8-PeCDF	<3.8P	pg/l	3.8P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.8	
2,3,7,8-TCDF	<2	pg/l	2	2.5	
Total HpCDDP	<6.8P	pg/l	6.8P	6.8	
Total HpCDF	<4.8P	pg/l	4.8P	4.8	
Total HxCDDP	<6.2	pg/l	6.2	6.2	
Total HxCDF	<4.8P	pg/l	4.8P	4.8	
Total eCDDP	<5.8P	pg/l	5.8P	5.8	
Total eCDF	<3.8P	pg/l	3.8P	3.8	
Total TCDDP	<2.8P	pg/l	2.8P	2.8	
Total TCDF	<2	pg/l	2	2	

Analysis: NWTPH-DX Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 10:21

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	172	ug/l	1.2	1.2	

RP-03-30R

RP-03-30R

Analysis: 8260B Sample Date: 04/19/05 Time: 11:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<23.4P	ug/l	23.4P	250	
Benzene	<1.47P	ug/l	1.47P	10	
Bromobenzene	<3.33P	ug/l	3.33P	10	
Bromochloromethane	<2.66	ug/l	2.66	10	
Bromodichloromethane	<1.83P	ug/l	1.83P	10	
BromoformP	<1.74P	ug/l	1.74P	10	
Bromomethane	<2.82	ug/l	2.82	100	
2-Butanone (MEK)P	<16	ug/l	16	250	
n-Butylbenzene	<1.83P	ug/l	1.83P	10	
sec-Butylbenzene	<1.93P	ug/l	1.93P	10	
Carbon disulfide	<2.33P	ug/l	2.33P	100	
Carbon Tetrachloride	<1.4P	ug/l	1.4P	20	
Chlorobenzene	<1.36	ug/l	1.36	10	
Chloroethane	<3.27P	ug/l	3.27P	20	
ChloroformP	<1.43P	ug/l	1.43P	10	
Chloromethane	<1.59P	ug/l	1.59P	50	
2-Chlorotoluene	<1.1P	ug/l	1.1P	10	
4-Chlorotoluene	<1.2	ug/l	1.2	10	
1,2-Dibromo-3-chloropropane	<4.05	ug/l	4.05	10	
Dibromochloromethane	<1.33P	ug/l	1.33P	10	
1,2-Dibromoethane	<1.87P	ug/l	1.87P	10	
Dibromomethane	<1.17P	ug/l	1.17P	10	
1,2-Dichlorobenzene	<0.859P	ug/l	0.859P	10	
1,3-Dichlorobenzene	<1.32	ug/l	1.32	10	
1,4-Dichlorobenzene	<1.87P	ug/l	1.87P	10	
Dichlorodifluoromethane	<3.12	ug/l	3.12	50	
1,1-Dichloroethane	<1.57P	ug/l	1.57P	10	
1,2-Dichloroethane	<1.42	ug/l	1.42	10	
1,1-Dichloroethene	<1.97P	ug/l	1.97P	10	
cis-1,2-Dichloroethene	<1.7P	ug/l	1.7P	10	
trans-1,2-Dichloroethene	<1.75	ug/l	1.75	10	
1,2-Dichloropropane	<2.66	ug/l	2.66	10	
1,3-Dichloropropane	<1.51P	ug/l	1.51P	10	
2,2-Dichloropropane	<1.04P	ug/l	1.04P	10	
1,1-Dichloropropene	<1.49P	ug/l	1.49P	10	
cis-1,3-Dichloropropene	<1.28P	ug/l	1.28P	10	
trans-1,3-Dichloropropene	<1.52	ug/l	1.52	10	
2-Ethyl-1-hexanol	<1000	ug/l	1000	1000	U,J
Ethylbenzene	(4.70)P	ug/l	1.1P	10	
Hexachlorobutadiene	<8.78P	ug/l	8.78P	20	
2-Hexanone	<11P	ug/l	11P	100	
Iodomethane	<23.8P	ug/l	23.8P	200	
Isobutylalcohol	<159P	ug/l	159P	1000	
Isopropylbenzene	(2.40)P	ug/l	1.07P	10	
4-Isopropyltoluene	<1.49P	ug/l	1.49P	10	

RP-03-30R

Analysis: 8260B Sample Date: 04/19/05 Time: 11:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<14.9P	ug/l	14.9P	50	
Methylene chloride	<4.54P	ug/l	4.54P	50	
Naphthalene	1090	ug/l	0.989P	10	
n-Propylbenzene	<1.38P	ug/l	1.38P	10	
Styrene	<0.723P	ug/l	0.723P	10	
tert-Butylbenzene	<2.06	ug/l	2.06	10	
1,1,1,2-Tetrachloroethane	<1.48P	ug/l	1.48P	10	
1,1,2,2-Tetrachloroethane	<2.94P	ug/l	2.94P	10	
Tetrachloroethene	<1.09P	ug/l	1.09P	10	
Toluene	<1.55	ug/l	1.55	10	
1,2,3-Trichlorobenzene	<2.19P	ug/l	2.19P	10	
1,2,4-Trichlorobenzene	<2.13P	ug/l	2.13P	10	
1,1,1-Trichloroethane	<0.859P	ug/l	0.859P	10	
1,1,2-Trichloroethane	<3.01P	ug/l	3.01P	10	
Trichloroethene	<2.41P	ug/l	2.41P	10	
Trichlorofluoromethane	<1.6	ug/l	1.6	10	
1,2,3-Trichloropropane	<3.65	ug/l	3.65	10	
1,2,4-Trimethylbenzene	15.3P	ug/l	0.884P	10	
1,3,5-Trimethylbenzene	(8.20)P	ug/l	1.57P	10	
Vinyl chloride	<1.52	ug/l	1.52	10	
m,p-Xylene	(5.20)P	ug/l	2.95	20	
o-Xylene	(3.20)P	ug/l	1.87P	10	

Analysis: 8270M Sample Date: 04/19/05 Time: 11:13P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	390	ug/l	10	20	
Acenaphthylene	6.16	ug/l	0.5	1	
Anthracene	7.33P	ug/l	0.5	1	
Benzo(a)anthracene	(0.665)P	ug/l	0.5	1	
Benzo(a)pyrene	<0.5	ug/l	0.5	1	
Benzo(b)fluoranthene	<0.5	ug/l	0.5	1	
Benzo(ghi)perylene	<0.5	ug/l	0.5	1	
Benzo(k)fluoranthene	<0.5	ug/l	0.5	1	
Chrysene	<0.5	ug/l	0.5	1	
Dibenzo(a,h)anthracene	<1P	ug/l	1P	2	U,J
Fluoranthene	21.5	ug/l	0.5	1	
Fluorene	158P	ug/l	10	20	
Indeno(1,2,3-cd)pyrene	<0.5	ug/l	0.5	1	
Naphthalene	820	ug/l	10	20	
henanthrene	151P	ug/l	10	20	
yrene	14.5	ug/l	0.5	1	

RP-03-30R

Analysis: 8290 Sample Date: 04/19/05 Time: 11:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<6.1P	pg/l	6.1P	12	
1,2,3,4,6,7,8-HpCDF	<3.9P	pg/l	3.9P	12	
1,2,3,4,7,8,9-HpCDF	<5	pg/l	5	12	
1,2,3,4,7,8-HxCDDP	<6.1P	pg/l	6.1P	12	
1,2,3,6,7,8-HxCDDP	<4.7P	pg/l	4.7P	12	
1,2,3,7,8,9-HxCDDP	<5.1P	pg/l	5.1P	12	
1,2,3,4,7,8-HxCDF	<4.6	pg/l	4.6	12	
1,2,3,6,7,8-HxCDF	<3.8P	pg/l	3.8P	12	
1,2,3,7,8,9-HxCDF	<5	pg/l	5	12	
2,3,4,6,7,8-HxCDF	<4.5	pg/l	4.5	12	
1,2,3,4,6,7,8,9-OCDDP	<10	pg/l	10	25	
1,2,3,4,6,7,8,9-OCDF	<7.4P	pg/l	7.4P	25	
1,2,3,7,8-PeCDDP	<4.9P	pg/l	4.9P	12	
1,2,3,7,8-PeCDF	<3.9P	pg/l	3.9P	12	
2,3,4,7,8-PeCDF	<4P	pg/l	4P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.6	
2,3,7,8-TCDF	<2.1P	pg/l	2.1P	2.5	
Total HpCDDP	<6.1P	pg/l	6.1P	6.1	
Total HpCDF	<5	pg/l	5	5	
Total HxCDDP	<6.1P	pg/l	6.1P	6.1	
Total HxCDF	<5	pg/l	5	5	
Total eCDDP	<4.9P	pg/l	4.9P	4.9	
Total eCDF	<4P	pg/l	4P	4	
Total TCDDP	<2.6	pg/l	2.6	2.6	
Total TCDF	<2.1P	pg/l	2.1P	2.1	

RP-03-52R

Analysis: 8151MOD Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	<1.24P	ug/l	1.24P	3	

RP-03-52R

Analysis: 8260B Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(2.74)P	ug/l	2.34P	25	U
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	<0.136	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	<0.0859P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	<0.132	ug/l	0.132	1	
1,4-Dichlorobenzene	<0.187P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

RP-03-52R

Analysis: 8260B Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

Analysis: 8270M Sample Date: 04/19/05 Time: 10:23P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<0.05	ug/l	0.05	0.1	
Acenaphthylene	<0.05	ug/l	0.05	0.1	
Anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)pyrene	<0.05	ug/l	0.05	0.1	
Benzo(b)fluoranthene	<0.05	ug/l	0.05	0.1	
Benzo(ghi)perylene	<0.05	ug/l	0.05	0.1	U,J
Benzo(k)fluoranthene	<0.05	ug/l	0.05	0.1	
Chrysene	<0.05	ug/l	0.05	0.1	
Dibenzo(a,h)anthracene	<0.1P	ug/l	0.1P	0.2	U,J
Fluoranthene	<0.05	ug/l	0.05	0.1	
Fluorene	0.115	ug/l	0.05	0.1	
Indeno(1,2,3-cd)pyrene	<0.05	ug/l	0.05	0.1	U,J
Naphthalene	<0.05	ug/l	0.05	0.1	
henanthrene	<0.05	ug/l	0.05	0.1	
yrene	<0.05	ug/l	0.05	0.1	

RP-03-52R

Analysis: 8290 Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<8P	pg/l	8P	12	
1,2,3,4,6,7,8-HpCDF	<5	pg/l	5	12	
1,2,3,4,7,8,9-HpCDF	<6.4P	pg/l	6.4P	12	
1,2,3,4,7,8-HxCDDP	<7P	pg/l	7P	12	
1,2,3,6,7,8-HxCDDP	<5.4P	pg/l	5.4P	12	
1,2,3,7,8,9-HxCDDP	<5.8P	pg/l	5.8P	12	
1,2,3,4,7,8-HxCDF	<4.3P	pg/l	4.3P	12	
1,2,3,6,7,8-HxCDF	<3.5	pg/l	3.5	12	
1,2,3,7,8,9-HxCDF	<4.7P	pg/l	4.7P	12	
2,3,4,6,7,8-HxCDF	<4.2	pg/l	4.2	12	
1,2,3,4,6,7,8,9-OCDDP	<10	pg/l	10	25	
1,2,3,4,6,7,8,9-OCDF	<10	pg/l	10	25	
1,2,3,7,8-PeCDDP	<6.2	pg/l	6.2	12	
1,2,3,7,8-PeCDF	<3.7P	pg/l	3.7P	12	
2,3,4,7,8-PeCDF	<3.8P	pg/l	3.8P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.8	
2,3,7,8-TCDF	<2.1P	pg/l	2.1P	2.5	
Total HpCDDP	<8P	pg/l	8P	8	
Total HpCDF	<6.4P	pg/l	6.4P	6.4	
Total HxCDDP	<7P	pg/l	7P	7	
Total HxCDF	<4.7P	pg/l	4.7P	4.7	
Total eCDDP	<6.2	pg/l	6.2	6.2	
Total eCDF	<3.9P	pg/l	3.9P	3.9	
Total TCDDP	<2.8P	pg/l	2.8P	2.8	
Total TCDF	<2.1P	pg/l	2.1P	2.1	

RP-03-52R (Dup)

Analysis: 8270M Sample Date: 04/19/05 Time: 10:23

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<0.05	ug/l	0.05	0.1	
Acenaphthylene	<0.05	ug/l	0.05	0.1	
Anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)pyrene	<0.05	ug/l	0.05	0.1	
Benzo(b)fluoranthene	<0.05	ug/l	0.05	0.1	
Benzo(ghi)perylene	<0.05	ug/l	0.05	0.1	U,J
Benzo(k)fluoranthene	<0.05	ug/l	0.05	0.1	
Chrysene	<0.05	ug/l	0.05	0.1	
Dibenzo(a,h)anthracene	<0.1P	ug/l	0.1P	0.2	U,J
Fluoranthene	<0.05	ug/l	0.05	0.1	
Fluorene	(0.0959)P	ug/l	0.05	0.1	
Indeno(1,2,3-cd)pyrene	<0.05	ug/l	0.05	0.1	U,J
Naphthalene	<0.05	ug/l	0.05	0.1	
henanthrene	<0.05	ug/l	0.05	0.1	
yrene	<0.05	ug/l	0.05	0.1	

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Analysis: 300.0 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	23.8P	mg/l	0.057P	0.5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	20.9P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	286	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.336	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.720	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0504P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	0.253P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	22.5	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	32.7P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	9.58P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0493)P	mg/l	0.0434P	0.1	
CalciumP	91.6	mg/l	0.0361P	0.1	
Iron	7.42	mg/l	0.0064P	0.1	
MagnesiumP	8.39P	mg/l	0.0136	0.1	
otassiumP	2.89P	mg/l	0.111P	1	
SodiumP	41.5	mg/l	0.0167P	1	

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Analysis: 6020 (Dissolved) Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.295	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	(0.000851)P	mg/l	0.00072	0.001	U
Copper (Dissolved)P	<0.000788P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00895	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.00138)P	mg/l	0.000601P	0.005	U
Zinc (Dissolved)P	0.0133P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.0800	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	<0.00072	mg/l	0.00072	0.001	J
Copper	(0.00167)P	mg/l	0.000788P	0.002	
Lead	0.00101P	mg/l	0.000224P	0.001	
Manganese	0.657P	mg/l	0.000149P	0.002	
Nickel	0.0113P	mg/l	0.000376	0.002	
VanadiumP	(0.000650)P	mg/l	0.000601P	0.005	J
Zinc	(0.00296)P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

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Analysis: 8081A Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	<0.5	ug/l	0.5	1	
gamma-BHC (Lindane)P	<0.5	ug/l	0.5	1	
alpha-BHC	<0.5	ug/l	0.5	1	
beta-BHC	<0.5	ug/l	0.5	1	
delta-BHC	<0.5	ug/l	0.5	1	
alpha-Chlordane	<0.5	ug/l	0.5	1	
gamma-Chlordane	<0.5	ug/l	0.5	1	
4,4'-DDDP	<0.5	ug/l	0.5	1	
4,4'-DDE	<0.5	ug/l	0.5	1	
4,4'-DDTP	<0.5	ug/l	0.5	1	
Dieldrin	<0.5	ug/l	0.5	1	
Endosulfan IP	<0.5	ug/l	0.5	1	
Endosulfan IIP	<1P	ug/l	1P	1	
Endosulfan sulfate	<0.5	ug/l	0.5	1	
Endrin	<0.5	ug/l	0.5	1	
Endrin aldehyde	<0.5	ug/l	0.5	1	
Endrin Ketone	<0.5	ug/l	0.5	1	
Heptachlor	<0.5	ug/l	0.5	1	
Heptachlor epoxide	<0.5	ug/l	0.5	1	
Hexachlorobenzene	<0.5	ug/l	0.5	1	
Methoxychlor	<0.5	ug/l	0.5	1	

Analysis: 8151MOD Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<25.2	ug/l	25.2	60	
2,4-DP	4220	ug/l	131P	300	J
Dalapon	<22	ug/l	22	200	
2,4-DBP	<38P	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<23.2	ug/l	23.2	60	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<2540	ug/l	2540	6000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	402	ug/l	27.8P	60	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

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Analysis: 8260B Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	(36.0)P	ug/l	11.7P	125	
Benzene	85.0	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	298P	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	U,J
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	851P	ug/l	0.43P	5	
1,3-Dichlorobenzene	32.2	ug/l	0.66	5	
1,4-Dichlorobenzene	299P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	<0.985	ug/l	0.985	5	
cis-1,2-Dichloroethene	<0.85	ug/l	0.85	5	
trans-1,2-Dichloroethene	<0.875	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	47.4P	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	(418)P	ug/l	79.5	500	J
Isopropylbenzene	(1.25)P	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

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Analysis: 8260B Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	(4.30)P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	(1.60)P	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	(2.60)P	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	<1.2	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	40.0	ug/l	0.442	5	
1,3,5-Trimethylbenzene	10.0	ug/l	0.785	5	
Vinyl chloride	<0.76	ug/l	0.76	5	
m,p-Xylene	135	ug/l	1.48P	10	
o-Xylene	47.3P	ug/l	0.935	5	

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Analysis: 8270C Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<12	ug/l	12	20	
Acenaphthylene	<12	ug/l	12	20	
Anthracene	<12	ug/l	12	20	
Benzo(a)anthracene	<12	ug/l	12	20	
Benzo(a)pyrene	<12	ug/l	12	20	
Benzo(b)fluoranthene	<12	ug/l	12	20	
Benzo(ghi)perylene	<12	ug/l	12	20	
Benzo(k)fluoranthene	<12	ug/l	12	20	
Benzoic acid	<20	ug/l	20	200	R
Benzyl alcohol	<20	ug/l	20	40	U,J
Bis(2-Chloroisopropyl) ether	<20	ug/l	20	40	
4-Bromophenylphenyl ether	<12	ug/l	12	20	
Butylbenzylphthalate	<12	ug/l	12	20	
4-Chloro-3-methylphenol	<12	ug/l	12	20	
4-Chloroaniline	<20	ug/l	20	80	
Bis(2-Chloroethoxy) methane	<20	ug/l	20	40	
Bis(2-Chloroethyl) ether	<12	ug/l	12	20	U,J
2-Chloronapthalene	<12	ug/l	12	20	
2-Chlorophenol	56.1P	ug/l	20	20	
4-Chlorophenylphenyl ether	<12	ug/l	12	20	
Chrysene	<12	ug/l	12	20	
Dibenzo(a,h)anthracene	<12	ug/l	12	20	
Dibenzofuran	<12	ug/l	12	20	
1,2-Dichlorobenzene	1660	ug/l	60	100	J
1,3-Dichlorobenzene	72.6	ug/l	12	20	J
1,4-Dichlorobenzene	528P	ug/l	12	20	J
3,3'-Dichlorobenzidine	<20	ug/l	20	20	
2,4-Dichlorophenol	733P	ug/l	20	20	
2,6-Dichlorophenol	114P	ug/l	40	100	
Diethylphthalate	<12	ug/l	12	20	
2,4-Dimethylphenol	<40	ug/l	40	40	
Dimethylphthalate	<12	ug/l	12	20	
2,4-Dinitrophenol	<60	ug/l	60	100	
2,4-Dinitrotoluene	<12	ug/l	12	20	
2,6-Dinitrotoluene	<12	ug/l	12	20	
DinosebP	<40	ug/l	40	100	
bis(2-Ethylhexyl) phthalate	<40	ug/l	40	40	
Fluoranthene	<12	ug/l	12	20	
Fluorene	<12	ug/l	12	20	
Hexachlorobenzene	<12	ug/l	12	20	
Hexachlorobutadiene	<20	ug/l	20	40	U,J
Hexachlorocyclopentadiene	<20	ug/l	20	40	U,J
Hexachloroethane	<20	ug/l	20	40	U,J
Indeno(1,2,3-cd)pyrene	<12	ug/l	12	20	
Isophorone	<12	ug/l	12	20	

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Analysis: 8270C Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Methyl-4,6-dinitrophenol	<20	ug/l	20	40	
1-Methylnaphthalene	<12	ug/l	12	20	
2-Methylnaphthalene	<12	ug/l	12	20	U,J
2-Methylphenol	79.6	ug/l	20	40	
3 & 4-Methylphenol	<20	ug/l	20	20	
Naphthalene	<12	ug/l	12	20	
Di-n-butylphthalate	<12	ug/l	12	20	
2-Nitroaniline	<12	ug/l	12	20	
3-Nitroaniline	<20	ug/l	20	40	
4-Nitroaniline	<20	ug/l	20	40	
Nitrobenzene	<12	ug/l	12	20	
2-Nitrophenol	<20	ug/l	20	20	
4-Nitrophenol	<40	ug/l	40	100	U,J
N-Nitrosodiphenylamine	<12	ug/l	12	20	
N-Nitrosodi-n-propyl amine	<12	ug/l	12	40	
Di-n-octyl phthalate	<20	ug/l	20	20	
entachlorophenol	<20	ug/l	20	40	
henanthrene	<12	ug/l	12	20	
henol	<20	ug/l	20	20	U,J
yrene	<12	ug/l	12	20	
Tetrachlorophenols	<40	ug/l	40	100	
1,2,4-Trichlorobenzene	<12	ug/l	12	20	U,J
2,4,5-Trichlorophenol	58.3P	ug/l	20	20	
2,4,6-Trichlorophenol	237P	ug/l	20	20	

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Analysis: 8290 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<2.2	pg/l	2.2	12	
1,2,3,4,6,7,8-HpCDF	<5.6	pg/l	5.6	12	
1,2,3,4,7,8,9-HpCDF	<0.83P	pg/l	0.83P	12	
1,2,3,4,7,8-HxCDDP	<1.6	pg/l	1.6	12	
1,2,3,6,7,8-HxCDDP	<1.5	pg/l	1.5	12	
1,2,3,7,8,9-HxCDDP	<1.4P	pg/l	1.4P	12	
1,2,3,4,7,8-HxCDF	<1.6	pg/l	1.6	12	
1,2,3,6,7,8-HxCDF	<1.6	pg/l	1.6	12	
1,2,3,7,8,9-HxCDF	<1.8P	pg/l	1.8P	12	
2,3,4,6,7,8-HxCDF	<1.8P	pg/l	1.8P	12	
1,2,3,4,6,7,8,9-OCDDP	<11P	pg/l	11P	25	
1,2,3,4,6,7,8,9-OCDF	<24P	pg/l	24P	25	
1,2,3,7,8-PeCDDP	<2.2	pg/l	2.2	12	
1,2,3,7,8-PeCDF	<2.3P	pg/l	2.3P	12	
2,3,4,7,8-PeCDF	<2.1P	pg/l	2.1P	12	
2,3,7,8-TCDDP	200	pg/l	2.5	10	
2,3,7,8-TCDF	<2.5	pg/l	2.5	3.4	
Total HpCDDP	<2.5	pg/l	2.5	2.5	
Total HpCDF	<5.6	pg/l	5.6	5.6	
Total HxCDDP	<1.6	pg/l	1.6	1.6	
Total HxCDF	<6.2	pg/l	6.2	6.2	
Total eCDDP	<2.4P	pg/l	2.4P	2.4	
Total eCDF	540	pg/l	50	50	
Total TCDDP	400	pg/l	10	10	
Total TCDF	2700	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.734P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 13:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	17200	ug/l	52	52	

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Analysis: 300.0 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	7.39P	mg/l	0.057P	0.5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	17.2	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	133P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.192)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.108P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	17.9P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	64.1P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	12.2	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0671)P	mg/l	0.0434P	0.1	
CalciumP	29.9P	mg/l	0.0361P	0.1	
Iron	0.405	mg/l	0.0064P	0.1	
MagnesiumP	16.4P	mg/l	0.0136	0.1	
otassiumP	1.85	mg/l	0.111P	1	
SodiumP	10.0	mg/l	0.0167P	1	

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Analysis: 6020 (Dissolved) Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00230	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	(0.000948)P	mg/l	0.00072	0.001	U
Copper (Dissolved)P	<0.000788P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00700	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	0.00560	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	(0.00413)P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00287P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	(0.000793)P	mg/l	0.00072	0.001	J
Copper	0.00221P	mg/l	0.000788P	0.002	
Lead	(0.000391)P	mg/l	0.000224P	0.001	
Manganese	3.16	mg/l	0.000745	0.01	
Nickel	0.00738P	mg/l	0.000376	0.002	
VanadiumP	0.0100	mg/l	0.000601P	0.005	J
Zinc	0.00890	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

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Analysis: 8081A Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	<0.5	ug/l	0.5	1	
gamma-BHC (Lindane)P	<0.5	ug/l	0.5	1	
alpha-BHC	<0.5	ug/l	0.5	1	
beta-BHC	<0.5	ug/l	0.5	1	
delta-BHC	<0.5	ug/l	0.5	1	
alpha-Chlordane	<0.5	ug/l	0.5	1	
gamma-Chlordane	<0.5	ug/l	0.5	1	
4,4'-DDDP	<0.5	ug/l	0.5	1	
4,4'-DDE	<0.5	ug/l	0.5	1	
4,4'-DDTP	<0.5	ug/l	0.5	1	
Dieldrin	<0.5	ug/l	0.5	1	
Endosulfan IP	<0.5	ug/l	0.5	1	
Endosulfan IIP	<1.5	ug/l	1.5	1.5	
Endosulfan sulfate	<0.5	ug/l	0.5	1	
Endrin	<0.5	ug/l	0.5	1	
Endrin aldehyde	<0.5	ug/l	0.5	1	
Endrin Ketone	<0.5	ug/l	0.5	1	
Heptachlor	<0.5	ug/l	0.5	1	
Heptachlor epoxide	<0.5	ug/l	0.5	1	
Hexachlorobenzene	<0.5	ug/l	0.5	1	
Methoxychlor	<0.5	ug/l	0.5	1	

Analysis: 8151MOD Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<25.2	ug/l	25.2	60	
2,4-DP	6390	ug/l	131P	300	J
Dalapon	<22	ug/l	22	200	
2,4-DBP	<38P	ug/l	38P	60	
Dicamba	<20.2	ug/l	20.2	60	
Dichlorprop	<23.2	ug/l	23.2	60	
DinosebP	<30.8P	ug/l	30.8P	60	
MC A	<2540	ug/l	2540	6000	
MC	<2220	ug/l	2220	6000	
2,4,5-TP	185	ug/l	27.8P	60	J
2,4,5-TP(Silvex)P	<24.8P	ug/l	24.8P	60	

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Analysis: 8260B Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	U,J
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	(0.700)P	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	U,J
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	53.3P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	1.75	ug/l	0.132	1	
1,4-Dichlorobenzene	18.5	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	(0.780)P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	U,J
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

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Analysis: 8260B Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	(0.310)P	ug/l	0.213P	1	U
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	U,J
1,2,4-Trimethylbenzene	1.06	ug/l	0.0884P	1	U
1,3,5-Trimethylbenzene	(0.380)P	ug/l	0.157P	1	U
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	2.42	ug/l	0.295	2	
o-Xylene	(0.980)P	ug/l	0.187P	1	

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Analysis: 8270C Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<120	ug/l	120	200	
Acenaphthylene	<120	ug/l	120	200	
Anthracene	<120	ug/l	120	200	
Benzo(a)anthracene	<120	ug/l	120	200	
Benzo(a)pyrene	<120	ug/l	120	200	
Benzo(b)fluoranthene	<120	ug/l	120	200	
Benzo(ghi)perylene	<120	ug/l	120	200	
Benzo(k)fluoranthene	<120	ug/l	120	200	
Benzoic acid	<200	ug/l	200	2000	R
Benzyl alcohol	<200	ug/l	200	400	U,J
Bis(2-Chloroisopropyl) ether	<200	ug/l	200	400	
4-Bromophenylphenyl ether	<120	ug/l	120	200	
Butylbenzylphthalate	<120	ug/l	120	200	
4-Chloro-3-methylphenol	<120	ug/l	120	200	
4-Chloroaniline	<200	ug/l	200	800	
Bis(2-Chloroethoxy) methane	<200	ug/l	200	400	
Bis(2-Chloroethyl) ether	<120	ug/l	120	200	U,J
2-Chloronapthalene	<120	ug/l	120	200	
2-Chlorophenol	<200	ug/l	200	200	
4-Chlorophenylphenyl ether	<120	ug/l	120	200	
Chrysene	<120	ug/l	120	200	
Dibenzo(a,h)anthracene	<120	ug/l	120	200	
Dibenzofuran	<120	ug/l	120	200	
1,2-Dichlorobenzene	19700	ug/l	600	1000	J
1,3-Dichlorobenzene	873P	ug/l	120	200	J
1,4-Dichlorobenzene	5890	ug/l	120	200	J
3,3'-Dichlorobenzidine	<200	ug/l	200	200	
2,4-Dichlorophenol	1500	ug/l	200	200	
2,6-Dichlorophenol	<400	ug/l	400	1000	
Diethylphthalate	<120	ug/l	120	200	
2,4-Dimethylphenol	<400	ug/l	400	400	
Dimethylphthalate	<120	ug/l	120	200	
2,4-Dinitrophenol	<600	ug/l	600	1000	
2,4-Dinitrotoluene	<120	ug/l	120	200	
2,6-Dinitrotoluene	<120	ug/l	120	200	
DinosebP	<400	ug/l	400	1000	
bis(2-Ethylhexyl) phthalate	<400	ug/l	400	400	
Fluoranthene	<120	ug/l	120	200	
Fluorene	<120	ug/l	120	200	
Hexachlorobenzene	<120	ug/l	120	200	
Hexachlorobutadiene	<200	ug/l	200	400	U,J
Hexachlorocyclopentadiene	<200	ug/l	200	400	U,J
Hexachloroethane	<200	ug/l	200	400	U,J
Indeno(1,2,3-cd)pyrene	<120	ug/l	120	200	
Isophorone	<120	ug/l	120	200	

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Analysis: 8270C Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Methyl-4,6-dinitrophenol	<200	ug/l	200	400	
1-Methylnaphthalene	<120	ug/l	120	200	
2-Methylnaphthalene	<120	ug/l	120	200	U,J
2-Methylphenol	<200	ug/l	200	400	
3 & 4-Methylphenol	<200	ug/l	200	200	
Naphthalene	<120	ug/l	120	200	
Di-n-butylphthalate	<120	ug/l	120	200	
2-Nitroaniline	<120	ug/l	120	200	
3-Nitroaniline	<200	ug/l	200	400	
4-Nitroaniline	<200	ug/l	200	400	
Nitrobenzene	<120	ug/l	120	200	
2-Nitrophenol	<200	ug/l	200	200	
4-Nitrophenol	<400	ug/l	400	1000	U,J
N-Nitrosodiphenylamine	<120	ug/l	120	200	
N-Nitrosodi-n-propyl amine	<120	ug/l	120	400	
Di-n-octyl phthalate	<200	ug/l	200	200	
entachlorophenol	<200	ug/l	200	400	
henanthrene	<120	ug/l	120	200	
henol	<120	ug/l	120	200	U,J
yrene	<120	ug/l	120	200	
Tetrachlorophenols	<400	ug/l	400	1000	
1,2,4-Trichlorobenzene	(158)P	ug/l	120	200	J
2,4,5-Trichlorophenol	<200	ug/l	200	200	
2,4,6-Trichlorophenol	<200	ug/l	200	200	

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Analysis: 8290 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<6.9P	pg/l	6.9P	12	
1,2,3,4,6,7,8-HpCDF	64P	pg/l	12	50	
1,2,3,4,7,8,9-HpCDF	<2.5	pg/l	2.5	12	
1,2,3,4,7,8-HxCDDP	<1.3P	pg/l	1.3P	12	
1,2,3,6,7,8-HxCDDP	<3.3P	pg/l	3.3P	12	
1,2,3,7,8,9-HxCDDP	<1.2	pg/l	1.2	12	
1,2,3,4,7,8-HxCDF	<7.7P	pg/l	7.7P	12	
1,2,3,6,7,8-HxCDF	<4.4P	pg/l	4.4P	12	
1,2,3,7,8,9-HxCDF	<1.4P	pg/l	1.4P	12	
2,3,4,6,7,8-HxCDF	<4.7P	pg/l	4.7P	12	
1,2,3,4,6,7,8,9-OCDDP	(53)P	pg/l	25	100	J
1,2,3,4,6,7,8,9-OCDF	220	pg/l	25	100	
1,2,3,7,8-PeCDDP	<4.4P	pg/l	4.4P	12	
1,2,3,7,8-PeCDF	<9.6	pg/l	9.6	12	
2,3,4,7,8-PeCDF	<10	pg/l	10	12	
2,3,7,8-TCDDP	1100	pg/l	2.5	10	
2,3,7,8-TCDF	(8.2)P	pg/l	2.5	10	J
Total HpCDDP	<7.3P	pg/l	7.3P	7.3	
Total HpCDF	120	pg/l	50	50	
Total HxCDDP	<12	pg/l	12	12	
Total HxCDF	74P	pg/l	50	50	
Total eCDDP	<14P	pg/l	14P	14	
Total eCDF	3000	pg/l	50	50	
Total TCDDP	1600	pg/l	10	10	
Total TCDF	6100	pg/l	10	10	

Analysis: NWTPH-DX Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	13.7P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/25/05 Time: 14:40

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2.11P	ug/l	1.2	1.2	

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Analysis: 300.0 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1160	mg/l	5.7P	50	
Nitrate	(0.0700)P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	109P	mg/l	0.419P	10	

Analysis: 310.1 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	438P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	(0.0260)P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.321)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00189)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	19.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.61P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.239P	mg/l	0.0434P	0.1	
CalciumP	524P	mg/l	0.361P	1	
Iron	7.12	mg/l	0.0064P	0.1	
MagnesiumP	175	mg/l	0.136	1	
otassiumP	13.9P	mg/l	0.111P	1	
SodiumP	97.0	mg/l	0.0167P	1	

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Analysis: 6020 (Dissolved) Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.0214P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	(0.000326)P	mg/l	0.000138P	0.001	U
Chromium (Dissolved)P	<0.00072	mg/l	0.00072	0.001	
Copper (Dissolved)P	0.00381P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.0471P	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.00347)P	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	0.00588P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.0236	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	<0.00072	mg/l	0.00072	0.001	
Copper	0.00544P	mg/l	0.000788P	0.002	
Lead	(0.000265)P	mg/l	0.000224P	0.001	
Manganese	31.2	mg/l	0.00745	0.1	
Nickel	0.0568P	mg/l	0.000376	0.002	
VanadiumP	(0.00439)P	mg/l	0.000601P	0.005	
Zinc	0.00889P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	N
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	6.85	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	25.8P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	(1.55)P	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	91.2	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	498P	ug/l	0.43P	5	
1,3-Dichlorobenzene	12.2	ug/l	0.66	5	
1,4-Dichlorobenzene	119P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	(3.10)P	ug/l	0.985	5	
cis-1,2-Dichloroethene	11.0	ug/l	0.85	5	
trans-1,2-Dichloroethene	<0.875	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

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Analysis: 8260B Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	16.6	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	13.2	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

Analysis: NWTPH-DX Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.343P	mg/l	0.153P	0.25	U
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/18/05 Time: 14:00

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	908P	ug/l	1.2	1.2	

RP-07-119

Analysis: 300.0 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	508P	mg/l	5.7P	50	
Nitrate	(0.0500)P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<1.13P	mg/l	1.13P	10	
Sulfate	33.5	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	150	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.200)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0266	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	9.32	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.10	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.419P	mg/l	0.0434P	0.1	
CalciumP	249P	mg/l	0.361P	1	
Iron	1.97P	mg/l	0.0064P	0.1	
MagnesiumP	61.9P	mg/l	0.136	1	
otassiumP	10.4P	mg/l	0.111P	1	
SodiumP	20.0	mg/l	0.0167P	1	J

RP-07-119

Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	(0.000768)P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	<0.00072	mg/l	0.00072	0.001	
Copper (Dissolved)P	(0.00186)P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.0217P	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.00315)P	mg/l	0.000601P	0.005	U
Zinc (Dissolved)P	0.00594P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	<0.00042	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	(0.000954)P	mg/l	0.00072	0.001	
Copper	0.00285	mg/l	0.000788P	0.002	
Lead	(0.000296)P	mg/l	0.000224P	0.001	
Manganese	0.196	mg/l	0.000149P	0.002	
Nickel	0.0221P	mg/l	0.000376	0.002	
VanadiumP	(0.00344)P	mg/l	0.000601P	0.005	J
Zinc	0.0108P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	(0.0000663)P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	4.42	ug/l	1.16	3	N
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	13.1P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	9.74P	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	(0.270)P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	138P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	4.89P	ug/l	0.132	1	
1,4-Dichlorobenzene	39.0	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	(0.350)P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	6.54P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

RP-07-119

Analysis: 8260B Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	6.86	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

Analysis: 8270M Sample Date: 04/21/05 Time: 09:45

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<0.05	ug/l	0.05	0.1	
Acenaphthylene	<0.05	ug/l	0.05	0.1	
Anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)pyrene	<0.05	ug/l	0.05	0.1	
Benzo(b)fluoranthene	<0.05	ug/l	0.05	0.1	
Benzo(ghi)perylene	<0.05	ug/l	0.05	0.1	
Benzo(k)fluoranthene	<0.05	ug/l	0.05	0.1	
Chrysene	<0.05	ug/l	0.05	0.1	
Dibenzo(a,h)anthracene	<0.1P	ug/l	0.1P	0.2	
Fluoranthene	<0.05	ug/l	0.05	0.1	
Fluorene	<0.05	ug/l	0.05	0.1	
Indeno(1,2,3-cd)pyrene	<0.05	ug/l	0.05	0.1	
Naphthalene	<0.05	ug/l	0.05	0.1	
henanthrene	<0.05	ug/l	0.05	0.1	
yrene	<0.05	ug/l	0.05	0.1	

RP-07-119

Analysis: 8290 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<7.4P	pg/l	7.4P	12	
1,2,3,4,6,7,8-HpCDF	<4.9P	pg/l	4.9P	12	
1,2,3,4,7,8,9-HpCDF	<6.2	pg/l	6.2	12	
1,2,3,4,7,8-HxCDDP	<6.3P	pg/l	6.3P	12	
1,2,3,6,7,8-HxCDDP	<4.9P	pg/l	4.9P	12	
1,2,3,7,8,9-HxCDDP	<5.3P	pg/l	5.3P	12	
1,2,3,4,7,8-HxCDF	<4.8P	pg/l	4.8P	12	
1,2,3,6,7,8-HxCDF	<4P	pg/l	4P	12	
1,2,3,7,8,9-HxCDF	<5.3P	pg/l	5.3P	12	
2,3,4,6,7,8-HxCDF	<4.7P	pg/l	4.7P	12	
1,2,3,4,6,7,8,9-OCDDP	<10	pg/l	10	25	
1,2,3,4,6,7,8,9-OCDF	<9P	pg/l	9P	25	
1,2,3,7,8-PeCDDP	<7P	pg/l	7P	12	
1,2,3,7,8-PeCDF	<4.4P	pg/l	4.4P	12	
2,3,4,7,8-PeCDF	<4.4P	pg/l	4.4P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.9	
2,3,7,8-TCDF	<2.4P	pg/l	2.4P	2.5	
Total HpCDDP	<7.4P	pg/l	7.4P	7.4	
Total HpCDF	<6.2	pg/l	6.2	6.2	
Total HxCDDP	<6.3P	pg/l	6.3P	6.3	
Total HxCDF	<5.3P	pg/l	5.3P	5.3	
Total eCDDP	<7P	pg/l	7P	7	
Total eCDF	<4.4P	pg/l	4.4P	4.4	
Total TCDDP	<2.9P	pg/l	2.9P	2.9	
Total TCDF	<2.4P	pg/l	2.4P	2.4	

Analysis: NWTPH-DX Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 10:34

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	<1.2	ug/l	1.2	1.2	

RP-07-30

Analysis: 8270M Sample Date: 04/21/05 Time: 11:05

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	8.45	ug/l	0.05	0.1	
Acenaphthylene	<0.15	ug/l	0.15	0.15	
Anthracene	0.119P	ug/l	0.05	0.1	
Benzo(a)anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)pyrene	<0.05	ug/l	0.05	0.1	
Benzo(b)fluoranthene	<0.05	ug/l	0.05	0.1	
Benzo(ghi)perylene	<0.05	ug/l	0.05	0.1	
Benzo(k)fluoranthene	<0.05	ug/l	0.05	0.1	
Chrysene	<0.05	ug/l	0.05	0.1	
Dibenzo(a,h)anthracene	<0.1P	ug/l	0.1P	0.2	
Fluoranthene	1.20	ug/l	0.05	0.1	
Fluorene	2.83P	ug/l	0.05	0.1	
Indeno(1,2,3-cd)pyrene	<0.05	ug/l	0.05	0.1	
Naphthalene	<0.15	ug/l	0.15	0.15	
henanthrene	2.47P	ug/l	0.05	0.1	
yrene	0.776	ug/l	0.05	0.1	

RP-07-55

Analysis: 8270M Sample Date: 04/21/05 Time: 10:13

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<0.05	ug/l	0.05	0.1	
Acenaphthylene	<0.05	ug/l	0.05	0.1	
Anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)pyrene	<0.05	ug/l	0.05	0.1	
Benzo(b)fluoranthene	<0.05	ug/l	0.05	0.1	
Benzo(ghi)perylene	<0.05	ug/l	0.05	0.1	
Benzo(k)fluoranthene	<0.05	ug/l	0.05	0.1	
Chrysene	<0.05	ug/l	0.05	0.1	
Dibenzo(a,h)anthracene	<0.1P	ug/l	0.1P	0.2	
Fluoranthene	<0.05	ug/l	0.05	0.1	
Fluorene	<0.05	ug/l	0.05	0.1	
Indeno(1,2,3-cd)pyrene	<0.05	ug/l	0.05	0.1	
Naphthalene	<0.05	ug/l	0.05	0.1	
henanthrene	<0.05	ug/l	0.05	0.1	
yrene	(0.0553)P	ug/l	0.05	0.1	

RP-07-84

Analysis: 300.0 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1030	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<1.13P	mg/l	1.13P	10	
Sulfate	87.1P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	272	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	(0.0207)P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.194)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0272	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	27.4P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.49P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.360	mg/l	0.0434P	0.1	
CalciumP	490	mg/l	0.361P	1	
Iron	2.14P	mg/l	0.0064P	0.1	
MagnesiumP	114P	mg/l	0.136	1	
otassiumP	15.8P	mg/l	0.111P	1	
SodiumP	59.5	mg/l	0.0167P	1	J

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Analysis: 6020 (Dissolved) Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00958P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	<0.00072	mg/l	0.00072	0.001	
Copper (Dissolved)P	0.00433P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.0438P	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.00212)P	mg/l	0.000601P	0.005	U
Zinc (Dissolved)P	(0.00308)P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00647P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	<0.00072	mg/l	0.00072	0.001	
Copper	0.00460	mg/l	0.000788P	0.002	
Lead	<0.000224P	mg/l	0.000224P	0.001	
Manganese	0.405	mg/l	0.000149P	0.002	
Nickel	0.0381P	mg/l	0.000376	0.002	
VanadiumP	(0.00246)P	mg/l	0.000601P	0.005	J
Zinc	(0.00480)P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 8151MOD Sample Date: 04/21/05 Time: 10:35

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	6.39P	ug/l	1.16	3	N
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	29.6	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	(1.75)P	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	109P	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	743P	ug/l	0.43P	5	
1,3-Dichlorobenzene	20.2	ug/l	0.66	5	
1,4-Dichlorobenzene	188P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	(2.40)P	ug/l	0.985	5	
cis-1,2-Dichloroethene	16.2	ug/l	0.85	5	
trans-1,2-Dichloroethene	(1.30)P	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

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Analysis: 8260B Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	13.6	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	15.6	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

Analysis: 8270M Sample Date: 04/21/05 Time: 10:35

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<0.05	ug/l	0.05	0.1	
Acenaphthylene	<0.05	ug/l	0.05	0.1	
Anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)anthracene	<0.05	ug/l	0.05	0.1	
Benzo(a)pyrene	<0.05	ug/l	0.05	0.1	
Benzo(b)fluoranthene	<0.05	ug/l	0.05	0.1	
Benzo(ghi)perylene	<0.05	ug/l	0.05	0.1	
Benzo(k)fluoranthene	<0.05	ug/l	0.05	0.1	
Chrysene	<0.05	ug/l	0.05	0.1	
Dibenzo(a,h)anthracene	<0.1P	ug/l	0.1P	0.2	
Fluoranthene	<0.05	ug/l	0.05	0.1	
Fluorene	<0.05	ug/l	0.05	0.1	
Indeno(1,2,3-cd)pyrene	<0.05	ug/l	0.05	0.1	
Naphthalene	<0.05	ug/l	0.05	0.1	
henanthrene	<0.05	ug/l	0.05	0.1	
yrene	<0.05	ug/l	0.05	0.1	

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Analysis: 8290 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<7.7P	pg/l	7.7P	12	
1,2,3,4,6,7,8-HpCDF	<4.4P	pg/l	4.4P	12	
1,2,3,4,7,8,9-HpCDF	<5.6	pg/l	5.6	12	
1,2,3,4,7,8-HxCDDP	<7.1P	pg/l	7.1P	12	
1,2,3,6,7,8-HxCDDP	<5.5	pg/l	5.5	12	
1,2,3,7,8,9-HxCDDP	<5.9P	pg/l	5.9P	12	
1,2,3,4,7,8-HxCDF	<4.6	pg/l	4.6	12	
1,2,3,6,7,8-HxCDF	<3.8P	pg/l	3.8P	12	
1,2,3,7,8,9-HxCDF	<5	pg/l	5	12	
2,3,4,6,7,8-HxCDF	<4.5	pg/l	4.5	12	
1,2,3,4,6,7,8,9-OCDDP	<10	pg/l	10	25	
1,2,3,4,6,7,8,9-OCDF	<9.1P	pg/l	9.1P	25	
1,2,3,7,8-PeCDDP	<6.1P	pg/l	6.1P	12	
1,2,3,7,8-PeCDF	<4.3P	pg/l	4.3P	12	
2,3,4,7,8-PeCDF	<4.4P	pg/l	4.4P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.6	
2,3,7,8-TCDF	<2	pg/l	2	2.5	
Total HpCDDP	<7.7P	pg/l	7.7P	7.7	
Total HpCDF	<5.6	pg/l	5.6	5.6	
Total HxCDDP	<7.1P	pg/l	7.1P	7.1	
Total HxCDF	<5	pg/l	5	5	
Total eCDDP	<6.1P	pg/l	6.1P	6.1	
Total eCDF	<4.4P	pg/l	4.4P	4.4	
Total TCDDP	<2.6	pg/l	2.6	2.6	
Total TCDF	<2	pg/l	2	2	

Analysis: NWTPH-DX Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.556	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/14/05 Time: 12:44

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	454P	ug/l	1.2	1.2	

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Analysis: 300.0 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	761P	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	70.2	mg/l	0.419P	10	

Analysis: 310.1 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	486	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.354P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	0.618P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0550	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	(3.52)P	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	7.65	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.84P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	1.36	mg/l	0.0434P	0.1	
CalciumP	235	mg/l	0.361P	1	
Iron	3.82	mg/l	0.0064P	0.1	
MagnesiumP	124P	mg/l	0.136	1	
otassiumP	15.1P	mg/l	0.111P	1	
SodiumP	155	mg/l	0.167P	10	

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Analysis: 6020 (Dissolved) Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00908P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	<0.00072	mg/l	0.00072	0.001	
Copper (Dissolved)P	0.00305	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.0358P	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	(0.00352)P	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	0.00539P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00248P	mg/l	0.00042	0.001	U
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	0.00195	mg/l	0.00072	0.001	
Copper	0.00713P	mg/l	0.000788P	0.002	
Lead	0.00129P	mg/l	0.000224P	0.001	
Manganese	10.6	mg/l	0.00149P	0.02	
Nickel	0.0189P	mg/l	0.000376	0.002	
VanadiumP	0.00791P	mg/l	0.000601P	0.005	
Zinc	0.0266	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	(0.0000727)P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

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Analysis: 8081A Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Aldrin	<0.05	ug/l	0.05	0.1	
gamma-BHC (Lindane)P	<0.05	ug/l	0.05	0.1	
alpha-BHC	<0.05	ug/l	0.05	0.1	
beta-BHC	<0.05	ug/l	0.05	0.1	
delta-BHC	<0.05	ug/l	0.05	0.1	
alpha-Chlordane	<0.05	ug/l	0.05	0.1	
gamma-Chlordane	<0.05	ug/l	0.05	0.1	
4,4'-DDDP	<0.05	ug/l	0.05	0.1	
4,4'-DDE	<0.05	ug/l	0.05	0.1	
4,4'-DDTP	<0.05	ug/l	0.05	0.1	
Dieldrin	<0.05	ug/l	0.05	0.1	
Endosulfan IP	<0.05	ug/l	0.05	0.1	
Endosulfan IIP	<0.05	ug/l	0.05	0.1	
Endosulfan sulfate	<0.05	ug/l	0.05	0.1	
Endrin	<0.05	ug/l	0.05	0.1	
Endrin aldehyde	<0.05	ug/l	0.05	0.1	
Endrin Ketone	<0.05	ug/l	0.05	0.1	
Heptachlor	<0.05	ug/l	0.05	0.1	
Heptachlor epoxide	<0.05	ug/l	0.05	0.1	
Hexachlorobenzene	<0.05	ug/l	0.05	0.1	
Methoxychlor	<0.05	ug/l	0.05	0.1	

Analysis: 8151MOD Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	9.02	ug/l	1.16	3	
DinosebP	(1.75)P	ug/l	1.54P	3	J
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	15.8P	ug/l	1.24P	3	

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Analysis: 8260B Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<46.8P	ug/l	46.8P	500	
Benzene	79.4P	ug/l	2.94P	20	
Bromobenzene	<6.66	ug/l	6.66	20	
Bromochloromethane	<5.32	ug/l	5.32	20	
Bromodichloromethane	<3.66	ug/l	3.66	20	
BromoformP	<3.48P	ug/l	3.48P	20	
Bromomethane	<5.64P	ug/l	5.64P	200	
2-Butanone (MEK)P	<32	ug/l	32	500	
n-Butylbenzene	<3.66	ug/l	3.66	20	
sec-Butylbenzene	<3.86	ug/l	3.86	20	
Carbon disulfide	<4.66	ug/l	4.66	200	
Carbon Tetrachloride	<2.8P	ug/l	2.8P	40	
Chlorobenzene	251P	ug/l	2.72	20	
Chloroethane	<6.54P	ug/l	6.54P	40	
ChloroformP	<2.86	ug/l	2.86	20	
Chloromethane	<3.18P	ug/l	3.18P	100	U,J
2-Chlorotoluene	<2.2	ug/l	2.2	20	
4-Chlorotoluene	<2.4P	ug/l	2.4P	20	
1,2-Dibromo-3-chloropropane	<8.1P	ug/l	8.1P	20	
Dibromochloromethane	<2.66	ug/l	2.66	20	
1,2-Dibromoethane	<3.74P	ug/l	3.74P	20	
Dibromomethane	<2.34P	ug/l	2.34P	20	
1,2-Dichlorobenzene	2630	ug/l	1.72	20	
1,3-Dichlorobenzene	68.0	ug/l	2.64P	20	
1,4-Dichlorobenzene	792	ug/l	3.74P	20	
Dichlorodifluoromethane	<6.24P	ug/l	6.24P	100	
1,1-Dichloroethane	<3.14P	ug/l	3.14P	20	
1,2-Dichloroethane	<2.84P	ug/l	2.84P	20	
1,1-Dichloroethene	<3.94P	ug/l	3.94P	20	
cis-1,2-Dichloroethene	(9.80)P	ug/l	3.4P	20	
trans-1,2-Dichloroethene	<3.5	ug/l	3.5	20	
1,2-Dichloropropane	<5.32	ug/l	5.32	20	
1,3-Dichloropropane	<3.02	ug/l	3.02	20	
2,2-Dichloropropane	<2.08P	ug/l	2.08P	20	
1,1-Dichloropropene	<2.98P	ug/l	2.98P	20	
cis-1,3-Dichloropropene	<2.56	ug/l	2.56	20	
trans-1,3-Dichloropropene	<3.04P	ug/l	3.04P	20	
2-Ethyl-1-hexanol	<2000	ug/l	2000	2000	U,J
Ethylbenzene	<2.2	ug/l	2.2	20	
Hexachlorobutadiene	<17.6	ug/l	17.6	40	
2-Hexanone	<22	ug/l	22	200	
Iodomethane	<47.6	ug/l	47.6	400	
Isobutylalcohol	<318P	ug/l	318P	2000	
Isopropylbenzene	<2.14P	ug/l	2.14P	20	
4-Isopropyltoluene	<2.98P	ug/l	2.98P	20	

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Analysis: 8260B Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<29.8P	ug/l	29.8P	100	
Methylene chloride	<9.08P	ug/l	9.08P	100	
Naphthalene	<1.98P	ug/l	1.98P	20	
n-Propylbenzene	<2.76	ug/l	2.76	20	
Styrene	<1.45	ug/l	1.45	20	
tert-Butylbenzene	<4.12	ug/l	4.12	20	
1,1,1,2-Tetrachloroethane	<2.96	ug/l	2.96	20	
1,1,2,2-Tetrachloroethane	<5.88P	ug/l	5.88P	20	
Tetrachloroethene	<2.18P	ug/l	2.18P	20	
Toluene	<3.1P	ug/l	3.1P	20	
1,2,3-Trichlorobenzene	<4.38P	ug/l	4.38P	20	
1,2,4-Trichlorobenzene	<4.26	ug/l	4.26	20	
1,1,1-Trichloroethane	<1.72	ug/l	1.72	20	
1,1,2-Trichloroethane	<6.02	ug/l	6.02	20	
Trichloroethene	(12.4)P	ug/l	4.82	20	
Trichlorofluoromethane	<3.2	ug/l	3.2	20	
1,2,3-Trichloropropane	<7.3P	ug/l	7.3P	20	
1,2,4-Trimethylbenzene	<1.77P	ug/l	1.77P	20	
1,3,5-Trimethylbenzene	<3.14P	ug/l	3.14P	20	
Vinyl chloride	(11.6)P	ug/l	3.04P	20	
m,p-Xylene	<5.9P	ug/l	5.9P	40	
o-Xylene	<3.74P	ug/l	3.74P	20	

W-09-116

Analysis: 8270C Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<30	ug/l	30	50	
Acenaphthylene	<30	ug/l	30	50	
Anthracene	<30	ug/l	30	50	
Benzo(a)anthracene	<30	ug/l	30	50	
Benzo(a)pyrene	<30	ug/l	30	50	
Benzo(b)fluoranthene	<30	ug/l	30	50	
Benzo(ghi)perylene	<30	ug/l	30	50	
Benzo(k)fluoranthene	<30	ug/l	30	50	
Benzoic acid	<50	ug/l	50	500	R
Benzyl alcohol	<50	ug/l	50	100	
Bis(2-Chloroisopropyl) ether	<50	ug/l	50	100	
4-Bromophenylphenyl ether	<30	ug/l	30	50	
Butylbenzylphthalate	<30	ug/l	30	50	
4-Chloro-3-methylphenol	<30	ug/l	30	50	
4-Chloroaniline	<50	ug/l	50	200	
Bis(2-Chloroethoxy) methane	<50	ug/l	50	100	
Bis(2-Chloroethyl) ether	<30	ug/l	30	50	
2-Chloronapthalene	<30	ug/l	30	50	
2-Chlorophenol	<50	ug/l	50	50	
4-Chlorophenylphenyl ether	<30	ug/l	30	50	
Chrysene	<30	ug/l	30	50	
Dibenzo(a,h)anthracene	<30	ug/l	30	50	
Dibenzofuran	<30	ug/l	30	50	
1,2-Dichlorobenzene	2210	ug/l	120	200	J
1,3-Dichlorobenzene	82.3P	ug/l	30	50	J
1,4-Dichlorobenzene	767P	ug/l	30	50	J
3,3'-Dichlorobenzidine	<50	ug/l	50	50	
2,4-Dichlorophenol	<50	ug/l	50	50	
2,6-Dichlorophenol	<100	ug/l	100	250	
Diethylphthalate	<30	ug/l	30	50	
2,4-Dimethylphenol	<100	ug/l	100	100	
Dimethylphthalate	<30	ug/l	30	50	
2,4-Dinitrophenol	<150	ug/l	150	250	
2,4-Dinitrotoluene	<30	ug/l	30	50	
2,6-Dinitrotoluene	<30	ug/l	30	50	
DinosebP	<100	ug/l	100	250	
bis(2-Ethylhexyl) phthalate	<100	ug/l	100	100	
Fluoranthene	<30	ug/l	30	50	
Fluorene	<30	ug/l	30	50	
Hexachlorobenzene	<30	ug/l	30	50	
Hexachlorobutadiene	<50	ug/l	50	100	U,J
Hexachlorocyclopentadiene	<50	ug/l	50	100	U,J
Hexachloroethane	<50	ug/l	50	100	U,J
Indeno(1,2,3-cd)pyrene	<30	ug/l	30	50	
Isophorone	<30	ug/l	30	50	

W-09-116

Analysis: 8270C Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Methyl-4,6-dinitrophenol	<50	ug/l	50	100	
1-Methylnaphthalene	<30	ug/l	30	50	
2-Methylnaphthalene	<30	ug/l	30	50	
2-Methylphenol	<50	ug/l	50	100	
3 & 4-Methylphenol	<50	ug/l	50	50	
Naphthalene	<30	ug/l	30	50	
Di-n-butylphthalate	<30	ug/l	30	50	
2-Nitroaniline	<30	ug/l	30	50	
3-Nitroaniline	<50	ug/l	50	100	
4-Nitroaniline	<50	ug/l	50	100	
Nitrobenzene	<30	ug/l	30	50	
2-Nitrophenol	<50	ug/l	50	50	
4-Nitrophenol	<100	ug/l	100	250	U,J
N-Nitrosodiphenylamine	<30	ug/l	30	50	
N-Nitrosodi-n-propyl amine	<30	ug/l	30	100	
Di-n-octyl phthalate	<50	ug/l	50	50	
entachlorophenol	<50	ug/l	50	100	
henanthrene	<30	ug/l	30	50	
henol	<30	ug/l	30	50	U,J
yrene	<30	ug/l	30	50	
Tetrachlorophenols	<100	ug/l	100	250	
1,2,4-Trichlorobenzene	<30	ug/l	30	50	
2,4,5-Trichlorophenol	<50	ug/l	50	50	
2,4,6-Trichlorophenol	<50	ug/l	50	50	

W-09-116

Analysis: 8270C Sample Date: 05/06/05 Time: 13:49

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<30	ug/l	30	50	
Acenaphthylene	<30	ug/l	30	50	
Anthracene	<30	ug/l	30	50	
Benzo(a)anthracene	<30	ug/l	30	50	
Benzo(a)pyrene	<30	ug/l	30	50	U,J
Benzo(b)fluoranthene	<30	ug/l	30	50	U,J
Benzo(ghi)perylene	<30	ug/l	30	50	
Benzo(k)fluoranthene	<30	ug/l	30	50	
Benzoic acid	<50	ug/l	50	500	U,J
Benzyl alcohol	<50	ug/l	50	100	
Bis(2-Chloroisopropyl) ether	<50	ug/l	50	100	
4-Bromophenylphenyl ether	<30	ug/l	30	50	
Butylbenzylphthalate	<30	ug/l	30	50	
4-Chloro-3-methylphenol	<30	ug/l	30	50	
4-Chloroaniline	<50	ug/l	50	200	
Bis(2-Chloroethoxy) methane	<50	ug/l	50	100	
Bis(2-Chloroethyl) ether	<30	ug/l	30	50	
2-Chloronapthalene	<30	ug/l	30	50	
2-Chlorophenol	<50	ug/l	50	50	
4-Chlorophenylphenyl ether	<30	ug/l	30	50	
Chrysene	<30	ug/l	30	50	
Dibenzo(a,h)anthracene	<30	ug/l	30	50	
Dibenzofuran	<30	ug/l	30	50	
1,2-Dichlorobenzene	2190	ug/l	120	200	J
1,3-Dichlorobenzene	70.1P	ug/l	30	50	J
1,4-Dichlorobenzene	663P	ug/l	30	50	J
3,3'-Dichlorobenzidine	<50	ug/l	50	50	
2,4-Dichlorophenol	<50	ug/l	50	50	
2,6-Dichlorophenol	<100	ug/l	100	250	
Diethylphthalate	<30	ug/l	30	50	
2,4-Dimethylphenol	<100	ug/l	100	100	
Dimethylphthalate	<30	ug/l	30	50	
2,4-Dinitrophenol	<150	ug/l	150	250	
2,4-Dinitrotoluene	<30	ug/l	30	50	
2,6-Dinitrotoluene	<30	ug/l	30	50	
DinosebP	<100	ug/l	100	250	
bis(2-Ethylhexyl) phthalate	<100	ug/l	100	100	
Fluoranthene	<30	ug/l	30	50	
Fluorene	<30	ug/l	30	50	
Hexachlorobenzene	<30	ug/l	30	50	
Hexachlorobutadiene	<50	ug/l	50	100	
Hexachlorocyclopentadiene	<50	ug/l	50	100	U,J
Hexachloroethane	<50	ug/l	50	100	U,J
Indeno(1,2,3-cd)pyrene	<30	ug/l	30	50	
Isophorone	<30	ug/l	30	50	

W-09-116

Analysis: 8270C Sample Date: 05/06/05 Time: 13:49

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Methyl-4,6-dinitrophenol	<50	ug/l	50	100	
1-Methylnaphthalene	<30	ug/l	30	50	
2-Methylnaphthalene	<30	ug/l	30	50	
2-Methylphenol	<50	ug/l	50	100	
3 & 4-Methylphenol	<50	ug/l	50	50	
Naphthalene	<30	ug/l	30	50	
Di-n-butylphthalate	<30	ug/l	30	50	
2-Nitroaniline	<30	ug/l	30	50	
3-Nitroaniline	<50	ug/l	50	100	
4-Nitroaniline	<50	ug/l	50	100	
Nitrobenzene	<30	ug/l	30	50	
2-Nitrophenol	<50	ug/l	50	50	
4-Nitrophenol	<100	ug/l	100	250	U,J
N-Nitrosodiphenylamine	<30	ug/l	30	50	
N-Nitrosodi-n-propyl amine	<30	ug/l	30	100	
Di-n-octyl phthalate	<50	ug/l	50	50	
entachlorophenol	<50	ug/l	50	100	
henanthrene	<30	ug/l	30	50	
henol	<30	ug/l	30	50	U,J
yrene	<30	ug/l	30	50	
Tetrachlorophenols	<100	ug/l	100	250	
1,2,4-Trichlorobenzene	<30	ug/l	30	50	
2,4,5-Trichlorophenol	<50	ug/l	50	50	
2,4,6-Trichlorophenol	<50	ug/l	50	50	

W-09-116

Analysis: 8290 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<2	pg/l	2	12	
1,2,3,4,6,7,8-HpCDF	<2.4P	pg/l	2.4P	12	
1,2,3,4,7,8,9-HpCDF	<0.5	pg/l	0.5	12	
1,2,3,4,7,8-HxCDDP	<0.84P	pg/l	0.84P	12	
1,2,3,6,7,8-HxCDDP	<0.78P	pg/l	0.78P	12	
1,2,3,7,8,9-HxCDDP	<0.75	pg/l	0.75	12	
1,2,3,4,7,8-HxCDF	<0.88P	pg/l	0.88P	12	
1,2,3,6,7,8-HxCDF	<0.85	pg/l	0.85	12	
1,2,3,7,8,9-HxCDF	<0.92	pg/l	0.92	12	
2,3,4,6,7,8-HxCDF	<0.91P	pg/l	0.91P	12	
1,2,3,4,6,7,8,9-OCDDP	<7.4P	pg/l	7.4P	25	
1,2,3,4,6,7,8,9-OCDF	<2.6	pg/l	2.6	25	
1,2,3,7,8-PeCDDP	<1.4P	pg/l	1.4P	12	
1,2,3,7,8-PeCDF	<0.7P	pg/l	0.7P	12	
2,3,4,7,8-PeCDF	<0.69P	pg/l	0.69P	12	
2,3,7,8-TCDDP	<0.67P	pg/l	0.67P	2.5	
2,3,7,8-TCDF	<0.76	pg/l	0.76	2.5	
Total HpCDDP	<2	pg/l	2	2	
Total HpCDF	<2.4P	pg/l	2.4P	2.4	
Total HxCDDP	<0.84P	pg/l	0.84P	0.84	
Total HxCDF	<0.92	pg/l	0.92	0.92	
Total eCDDP	<1.4P	pg/l	1.4P	1.4	
Total eCDF	<0.92	pg/l	0.92	0.92	
Total TCDDP	<0.67P	pg/l	0.67P	0.67	
Total TCDF	<0.76	pg/l	0.76	0.76	

Analysis: NWTPH-DX Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	1.29P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2650	ug/l	52	52	

W-09-116 (Dup)

W-09-116 (Dup)

Analysis: 8270C Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acenaphthene	<30	ug/l	30	50	
Acenaphthylene	<30	ug/l	30	50	
Anthracene	<30	ug/l	30	50	
Benzo(a)anthracene	<30	ug/l	30	50	
Benzo(a)pyrene	<30	ug/l	30	50	
Benzo(b)fluoranthene	<30	ug/l	30	50	
Benzo(ghi)perylene	<30	ug/l	30	50	
Benzo(k)fluoranthene	<30	ug/l	30	50	
Benzoic acid	<50	ug/l	50	500	R
Benzyl alcohol	<50	ug/l	50	100	
Bis(2-Chloroisopropyl) ether	<50	ug/l	50	100	
4-Bromophenylphenyl ether	<30	ug/l	30	50	
Butylbenzylphthalate	<30	ug/l	30	50	
4-Chloro-3-methylphenol	<30	ug/l	30	50	
4-Chloroaniline	<50	ug/l	50	200	
Bis(2-Chloroethoxy) methane	<50	ug/l	50	100	
Bis(2-Chloroethyl) ether	<30	ug/l	30	50	
2-Chloronapthalene	<30	ug/l	30	50	
2-Chlorophenol	<50	ug/l	50	50	
4-Chlorophenylphenyl ether	<30	ug/l	30	50	
Chrysene	<30	ug/l	30	50	
Dibenzo(a,h)anthracene	<30	ug/l	30	50	
Dibenzofuran	<30	ug/l	30	50	
1,2-Dichlorobenzene	2250	ug/l	120	200	J
1,3-Dichlorobenzene	85.6	ug/l	30	50	J
1,4-Dichlorobenzene	808P	ug/l	30	50	J
3,3'-Dichlorobenzidine	<50	ug/l	50	50	
2,4-Dichlorophenol	<50	ug/l	50	50	
2,6-Dichlorophenol	<100	ug/l	100	250	
Diethylphthalate	<30	ug/l	30	50	
2,4-Dimethylphenol	<100	ug/l	100	100	
Dimethylphthalate	<30	ug/l	30	50	
2,4-Dinitrophenol	<150	ug/l	150	250	
2,4-Dinitrotoluene	<30	ug/l	30	50	
2,6-Dinitrotoluene	<30	ug/l	30	50	
DinosebP	<100	ug/l	100	250	
bis(2-Ethylhexyl) phthalate	<100	ug/l	100	100	
Fluoranthene	<30	ug/l	30	50	
Fluorene	<30	ug/l	30	50	
Hexachlorobenzene	<30	ug/l	30	50	
Hexachlorobutadiene	<50	ug/l	50	100	U,J
Hexachlorocyclopentadiene	<50	ug/l	50	100	U,J
Hexachloroethane	<50	ug/l	50	100	U,J
Indeno(1,2,3-cd)pyrene	<30	ug/l	30	50	
Isophorone	<30	ug/l	30	50	

W-09-116 (Dup)

Analysis: 8270C Sample Date: 04/20/05 Time: 13:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
2-Methyl-4,6-dinitrophenol	<50	ug/l	50	100	
1-Methylnaphthalene	<30	ug/l	30	50	
2-Methylnaphthalene	<30	ug/l	30	50	
2-Methylphenol	<50	ug/l	50	100	
3 & 4-Methylphenol	<50	ug/l	50	50	
Naphthalene	<30	ug/l	30	50	
Di-n-butylphthalate	<30	ug/l	30	50	
2-Nitroaniline	<30	ug/l	30	50	
3-Nitroaniline	<50	ug/l	50	100	
4-Nitroaniline	<50	ug/l	50	100	
Nitrobenzene	<30	ug/l	30	50	
2-Nitrophenol	<50	ug/l	50	50	
4-Nitrophenol	<100	ug/l	100	250	U,J
N-Nitrosodiphenylamine	<30	ug/l	30	50	
N-Nitrosodi-n-propyl amine	<30	ug/l	30	100	
Di-n-octyl phthalate	<50	ug/l	50	50	
entachlorophenol	<50	ug/l	50	100	
henanthrene	<30	ug/l	30	50	
henol	<30	ug/l	30	50	U,J
yrene	<30	ug/l	30	50	
Tetrachlorophenols	<100	ug/l	100	250	
1,2,4-Trichlorobenzene	<30	ug/l	30	50	
2,4,5-Trichlorophenol	<50	ug/l	50	50	
2,4,6-Trichlorophenol	<50	ug/l	50	50	

W-11-B

Analysis: 300.0 Sample Date: 04/19/05 Time: 12:08P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	715	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	133P	mg/l	0.419P	10	

Analysis: 310.1 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	328P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	0.102	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.252)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00372)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0379)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	17.1P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	1.36	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	<0.0434P	mg/l	0.0434P	0.1	
CalciumP	411P	mg/l	0.361P	1	
Iron	9.49P	mg/l	0.0064P	0.1	
MagnesiumP	83.9P	mg/l	0.0136	0.1	
otassiumP	11.5	mg/l	0.111P	1	
SodiumP	67.0	mg/l	0.0167P	1	

Analysis: 6020 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.652	mg/l	0.000149P	0.002	

W-11-B

Analysis: 8151MOD Sample Date: 04/19/05 Time: 12:08P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	3.15	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	11.7P	ug/l	1.24P	3	

W-11-B

Analysis: 8260B Sample Date: 04/19/05 Time: 12:08P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	13.6	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	91.0	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	398P	ug/l	0.43P	5	
1,3-Dichlorobenzene	10.6	ug/l	0.66	5	
1,4-Dichlorobenzene	104P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	(1.80)P	ug/l	0.985	5	
cis-1,2-Dichloroethene	19.8P	ug/l	0.85	5	
trans-1,2-Dichloroethene	<0.875	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

W-11-B

Analysis: 8260B Sample Date: 04/19/05 Time: 12:08P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	<1.2	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	13.6	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

W-11-B

Analysis: 8290 Sample Date: 04/19/05 Time: 12:08P

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<7.3P	pg/l	7.3P	12	
1,2,3,4,6,7,8-HpCDF	<4.7P	pg/l	4.7P	12	
1,2,3,4,7,8,9-HpCDF	<6	pg/l	6	12	
1,2,3,4,7,8-HxCDDP	<6.7P	pg/l	6.7P	12	
1,2,3,6,7,8-HxCDDP	<5.1P	pg/l	5.1P	12	
1,2,3,7,8,9-HxCDDP	<5.6	pg/l	5.6	12	
1,2,3,4,7,8-HxCDF	<4.6	pg/l	4.6	12	
1,2,3,6,7,8-HxCDF	<3.8P	pg/l	3.8P	12	
1,2,3,7,8,9-HxCDF	<5.1P	pg/l	5.1P	12	
2,3,4,6,7,8-HxCDF	<4.5	pg/l	4.5	12	
1,2,3,4,6,7,8,9-OCDDP	<11P	pg/l	11P	25	
1,2,3,4,6,7,8,9-OCDF	<8.6	pg/l	8.6	25	
1,2,3,7,8-PeCDDP	<6.1P	pg/l	6.1P	12	
1,2,3,7,8-PeCDF	<4.4P	pg/l	4.4P	12	
2,3,4,7,8-PeCDF	<4.5	pg/l	4.5	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.8	
2,3,7,8-TCDF	<2.1P	pg/l	2.1P	2.5	
Total HpCDDP	<7.3P	pg/l	7.3P	7.3	
Total HpCDF	<6	pg/l	6	6	
Total HxCDDP	<6.7P	pg/l	6.7P	6.7	
Total HxCDF	<5.1P	pg/l	5.1P	5.1	
Total eCDDP	<6.1P	pg/l	6.1P	6.1	
Total eCDF	<4.5	pg/l	4.5	4.5	
Total TCDDP	<2.8P	pg/l	2.8P	2.8	
Total TCDF	<33P	pg/l	33P	33	

Analysis: NWTPH-DX Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.287P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 12:08

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	565	ug/l	1.2	1.2	

W-11-D

Analysis: 300.0 Sample Date: 04/19/05 Time: 12:54P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	917P	mg/l	5.7P	50	
Nitrate	(0.0600)P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.113P	mg/l	0.113P	1	
Sulfate	210	mg/l	0.419P	10	

Analysis: 310.1 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	439P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.104)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0437P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	33.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.85	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.196	mg/l	0.0434P	0.1	
CalciumP	219P	mg/l	0.361P	1	
Iron	0.586	mg/l	0.0064P	0.1	
MagnesiumP	80.2	mg/l	0.0136	0.1	
otassiumP	11.4P	mg/l	0.111P	1	
SodiumP	468P	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	9.84P	mg/l	0.00149P	0.02	

W-11-D

Analysis: 8151MOD Sample Date: 04/19/05 Time: 12:54P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	15.7P	ug/l	1.24P	3	

W-11-D

Analysis: 8260B Sample Date: 04/19/05 Time: 12:54P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	<0.136	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	<0.0859P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	(0.260)P	ug/l	0.132	1	
1,4-Dichlorobenzene	<0.187P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	(0.230)P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

W-11-D

Analysis: 8260B Sample Date: 04/19/05 Time: 12:54P

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	(0.660)P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

W-11-D

Analysis: 8290 Sample Date: 04/19/05 Time: 12:54P

Compound	Concentration	Units	MDL	MRL	Qualifiers
1,2,3,4,6,7,8-HpCDDP	<6.8P	pg/l	6.8P	12	
1,2,3,4,6,7,8-HpCDF	<4.4P	pg/l	4.4P	12	
1,2,3,4,7,8,9-HpCDF	<5.6	pg/l	5.6	12	
1,2,3,4,7,8-HxCDDP	<5.6	pg/l	5.6	12	
1,2,3,6,7,8-HxCDDP	<4.3P	pg/l	4.3P	12	
1,2,3,7,8,9-HxCDDP	<4.7P	pg/l	4.7P	12	
1,2,3,4,7,8-HxCDF	<4.6	pg/l	4.6	12	
1,2,3,6,7,8-HxCDF	<3.8P	pg/l	3.8P	12	
1,2,3,7,8,9-HxCDF	<5	pg/l	5	12	
2,3,4,6,7,8-HxCDF	<4.5	pg/l	4.5	12	
1,2,3,4,6,7,8,9-OCDDP	<8.7P	pg/l	8.7P	25	
1,2,3,4,6,7,8,9-OCDF	<8.2	pg/l	8.2	25	
1,2,3,7,8-PeCDDP	<5.6	pg/l	5.6	12	
1,2,3,7,8-PeCDF	<3.7P	pg/l	3.7P	12	
2,3,4,7,8-PeCDF	<3.8P	pg/l	3.8P	12	
2,3,7,8-TCDDP	<2.5	pg/l	2.5	2.7	
2,3,7,8-TCDF	<2	pg/l	2	2.5	
Total HpCDDP	<6.8P	pg/l	6.8P	6.8	
Total HpCDF	<5.6	pg/l	5.6	5.6	
Total HxCDDP	<5.6	pg/l	5.6	5.6	
Total HxCDF	<5	pg/l	5	5	
Total eCDDP	<5.6	pg/l	5.6	5.6	
Total eCDF	<3.8P	pg/l	3.8P	3.8	
Total TCDDP	<2.7P	pg/l	2.7P	2.7	
Total TCDF	<2	pg/l	2	2	

Analysis: NWTPH-DX Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 12:54

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	<1.2	ug/l	1.2	1.2	

W-11-I

Analysis: 300.0 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	42.6	mg/l	0.57P	5	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	(0.370)P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	517P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	4.09P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	6.09P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00677)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	(0.0345)P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	20.2	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	39.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	7.99P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0599)P	mg/l	0.0434P	0.1	
CalciumP	124P	mg/l	0.0722	0.2	
Iron	37.7P	mg/l	0.0064P	0.1	
MagnesiumP	52.0	mg/l	0.0136	0.1	
otassiumP	6.37P	mg/l	0.111P	1	
SodiumP	25.1P	mg/l	0.0167P	1	

Analysis: 6020 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	1.88P	mg/l	0.000298P	0.004	

W-11-I

Analysis: 8151MOD Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	<1.24P	ug/l	1.24P	3	

W-11-I

Analysis: 8260B Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	<0.147P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	<0.136	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	<0.0859P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	<0.132	ug/l	0.132	1	
1,4-Dichlorobenzene	<0.187P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	<0.11P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

W-11-I

Analysis: 8260B Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	<0.155	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	<0.0884P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	<0.157P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	<0.295	ug/l	0.295	2	
o-Xylene	<0.187P	ug/l	0.187P	1	

Analysis: NWTPH-DX Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 13:32

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	46600	ug/l	52	52	

W-11-S

Analysis: 300.0 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	7.24P	mg/l	0.057P	0.5	
Nitrate	(0.0400)P	mg/l	0.0321P	0.1	
Nitrite(as N)P	(0.0800)P	mg/l	0.0113P	0.1	
Sulfate	16.5	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	246	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	3.23P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	3.68P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	(0.00494)P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	23.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	6.16	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.987P	mg/l	0.0434P	0.1	
CalciumP	40.0	mg/l	0.0361P	0.1	
Iron	<0.0064P	mg/l	0.0064P	0.1	
MagnesiumP	(0.0171)P	mg/l	0.0136	0.1	
otassiumP	12.5	mg/l	0.111P	1	
SodiumP	75.8P	mg/l	0.0167P	1	

Analysis: 6020 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	(0.000273)P	mg/l	0.000149P	0.002	

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Analysis: 8151MOD Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	(1.40)P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	<1.16	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	<1.24P	ug/l	1.24P	3	

W-11-S

Analysis: 8260B Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<2.34P	ug/l	2.34P	25	
Benzene	(0.830)P	ug/l	0.147P	1	
Bromobenzene	<0.333P	ug/l	0.333P	1	
Bromochloromethane	<0.266	ug/l	0.266	1	
Bromodichloromethane	<0.183P	ug/l	0.183P	1	
BromoformP	<0.174P	ug/l	0.174P	1	
Bromomethane	<0.282	ug/l	0.282	10	
2-Butanone (MEK)P	<1.6	ug/l	1.6	25	
n-Butylbenzene	<0.183P	ug/l	0.183P	1	
sec-Butylbenzene	<0.193P	ug/l	0.193P	1	
Carbon disulfide	<0.233P	ug/l	0.233P	10	
Carbon Tetrachloride	<0.14P	ug/l	0.14P	2	
Chlorobenzene	<0.136	ug/l	0.136	1	
Chloroethane	<0.327P	ug/l	0.327P	2	
ChloroformP	<0.143P	ug/l	0.143P	1	
Chloromethane	<0.159P	ug/l	0.159P	5	
2-Chlorotoluene	<0.11P	ug/l	0.11P	1	
4-Chlorotoluene	<0.12	ug/l	0.12	1	
1,2-Dibromo-3-chloropropane	<0.405	ug/l	0.405	1	
Dibromochloromethane	<0.133P	ug/l	0.133P	1	
1,2-Dibromoethane	<0.187P	ug/l	0.187P	1	
Dibromomethane	<0.117P	ug/l	0.117P	1	
1,2-Dichlorobenzene	<0.0859P	ug/l	0.0859P	1	
1,3-Dichlorobenzene	<0.132	ug/l	0.132	1	
1,4-Dichlorobenzene	<0.187P	ug/l	0.187P	1	
Dichlorodifluoromethane	<0.312	ug/l	0.312	5	
1,1-Dichloroethane	<0.157P	ug/l	0.157P	1	
1,2-Dichloroethane	<0.142	ug/l	0.142	1	
1,1-Dichloroethene	<0.197P	ug/l	0.197P	1	
cis-1,2-Dichloroethene	<0.17P	ug/l	0.17P	1	
trans-1,2-Dichloroethene	<0.175	ug/l	0.175	1	
1,2-Dichloropropane	<0.266	ug/l	0.266	1	
1,3-Dichloropropane	<0.151P	ug/l	0.151P	1	
2,2-Dichloropropane	<0.104P	ug/l	0.104P	1	
1,1-Dichloropropene	<0.149P	ug/l	0.149P	1	
cis-1,3-Dichloropropene	<0.128P	ug/l	0.128P	1	
trans-1,3-Dichloropropene	<0.152	ug/l	0.152	1	
2-Ethyl-1-hexanol	<100	ug/l	100	100	U,J
Ethylbenzene	(0.170)P	ug/l	0.11P	1	
Hexachlorobutadiene	<0.878P	ug/l	0.878P	2	
2-Hexanone	<1.1P	ug/l	1.1P	10	
Iodomethane	<2.38P	ug/l	2.38P	20	
Isobutylalcohol	<15.9P	ug/l	15.9P	100	
Isopropylbenzene	<0.107P	ug/l	0.107P	1	
4-Isopropyltoluene	<0.149P	ug/l	0.149P	1	

W-11-S

Analysis: 8260B Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<1.49P	ug/l	1.49P	5	
Methylene chloride	<0.454P	ug/l	0.454P	5	
Naphthalene	<0.0989P	ug/l	0.0989P	1	
n-Propylbenzene	<0.138P	ug/l	0.138P	1	
Styrene	<0.0723P	ug/l	0.0723P	1	
tert-Butylbenzene	<0.206	ug/l	0.206	1	
1,1,1,2-Tetrachloroethane	<0.148P	ug/l	0.148P	1	
1,1,2,2-Tetrachloroethane	<0.294P	ug/l	0.294P	1	
Tetrachloroethene	<0.109P	ug/l	0.109P	1	
Toluene	(0.940)P	ug/l	0.155	1	
1,2,3-Trichlorobenzene	<0.219P	ug/l	0.219P	1	
1,2,4-Trichlorobenzene	<0.213P	ug/l	0.213P	1	
1,1,1-Trichloroethane	<0.0859P	ug/l	0.0859P	1	
1,1,2-Trichloroethane	<0.301P	ug/l	0.301P	1	
Trichloroethene	<0.241P	ug/l	0.241P	1	
Trichlorofluoromethane	<0.16	ug/l	0.16	1	
1,2,3-Trichloropropane	<0.365	ug/l	0.365	1	
1,2,4-Trimethylbenzene	(0.280)P	ug/l	0.0884P	1	
1,3,5-Trimethylbenzene	(0.220)P	ug/l	0.157P	1	
Vinyl chloride	<0.152	ug/l	0.152	1	
m,p-Xylene	(0.590)P	ug/l	0.295	2	
o-Xylene	(0.370)P	ug/l	0.187P	1	

Analysis: NWTPH-DX Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/19/05 Time: 14:10

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	2390	ug/l	52	52	

W-18-D

Analysis: 300.0 Sample Date: 04/15/05 Time: 10:24P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	4.22	mg/l	0.057P	0.5	
Nitrate	1.67P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	19.7P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	106	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.199)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.292	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	6.54P	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	(0.827)P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.652	mg/l	0.0434P	0.1	
CalciumP	24.4P	mg/l	0.0361P	0.1	
Iron	0.999P	mg/l	0.0064P	0.1	
MagnesiumP	12.1P	mg/l	0.0136	0.1	
otassiumP	2.61P	mg/l	0.111P	1	
SodiumP	13.0	mg/l	0.0167P	1	J

W-18-D

Analysis: 6020 (Dissolved) Sample Date: 04/15/05 Time: 10:24P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00284P	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	0.00264P	mg/l	0.00072	0.001	
Copper (Dissolved)P	<0.000788P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	<0.000224P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00217P	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	0.0246	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	<0.0015	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00358P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	0.00362	mg/l	0.00072	0.001	U
Copper	0.00212	mg/l	0.000788P	0.002	
Lead	(0.000470)P	mg/l	0.000224P	0.001	
Manganese	0.0174P	mg/l	0.000149P	0.002	
Nickel	0.00297P	mg/l	0.000376	0.002	U
VanadiumP	0.0246	mg/l	0.000601P	0.005	J
Zinc	(0.00459)P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: NWTPH-DX Sample Date: 04/20/05 Time: 12:03

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/15/05 Time: 10:24

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	<1.2	ug/l	1.2	1.2	

W-18-I

Analysis: 300.0 Sample Date: 04/15/05 Time: 11:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	3.60	mg/l	0.057P	0.5	
Nitrate	1.56	mg/l	0.0321P	0.1	
Nitrite(as N)P	<0.0113P	mg/l	0.0113P	0.1	
Sulfate	15.7P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	87.0	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	(0.141)P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.136	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	5.15	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	(0.783)P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	1.42	mg/l	0.0434P	0.1	
CalciumP	19.1P	mg/l	0.0361P	0.1	
Iron	2.83P	mg/l	0.0064P	0.1	
MagnesiumP	9.42	mg/l	0.0136	0.1	
otassiumP	2.31P	mg/l	0.111P	1	
SodiumP	14.6	mg/l	0.0167P	1	J

W-18-I

Analysis: 6020 (Dissolved) Sample Date: 04/15/05 Time: 11:07P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic (Dissolved)P	0.00236	mg/l	0.00042	0.001	
Cadmium (Dissolved)P	<0.000138P	mg/l	0.000138P	0.001	
Chromium (Dissolved)P	0.00243P	mg/l	0.00072	0.001	
Copper (Dissolved)P	(0.00132)P	mg/l	0.000788P	0.002	
Lead (Dissolved)P	(0.000610)P	mg/l	0.000224P	0.001	
Nickel (Dissolved)P	0.00255	mg/l	0.000376	0.002	
Vanadium (Dissolved)P	0.0227P	mg/l	0.000601P	0.005	
Zinc (Dissolved)P	0.0153P	mg/l	0.0015	0.005	

Analysis: 6020 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Arsenic	0.00357P	mg/l	0.00042	0.001	
CadmiumP	<0.000138P	mg/l	0.000138P	0.001	
ChromiumP	0.00436	mg/l	0.00072	0.001	U
Copper	0.00279P	mg/l	0.000788P	0.002	
Lead	0.00135	mg/l	0.000224P	0.001	
Manganese	0.0426	mg/l	0.000149P	0.002	
Nickel	<0.00376	mg/l	0.00376	0.02	
VanadiumP	0.0247P	mg/l	0.000601P	0.005	
Zinc	0.0158P	mg/l	0.0015	0.005	

Analysis: 7470A (Dissolved) Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury (Dissolved)P	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: 7470A Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Mercury	<0.000063P	mg/l	0.000063P	0.0002	

Analysis: NWTPH-DX Sample Date: 04/20/05 Time: 11:42

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	<0.153P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/15/05 Time: 11:07

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	<1.2	ug/l	1.2	1.2	

W-19-D

Analysis: 300.0 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	1250	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<1.13P	mg/l	1.13P	10	
Sulfate	106	mg/l	4.19P	100	

Analysis: 310.1 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	449P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	(0.0152)P	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	<0.0948P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.122	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	18.5	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.28P	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	0.120	mg/l	0.0434P	0.1	
CalciumP	448P	mg/l	0.361P	1	
Iron	0.221P	mg/l	0.0064P	0.1	
MagnesiumP	185	mg/l	0.136	1	
otassiumP	16.8P	mg/l	0.111P	1	
SodiumP	186	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	0.589P	mg/l	0.000149P	0.002	

W-19-D

Analysis: 8151MOD Sample Date: 04/20/05 Time: 10:51P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	6.39P	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	27.4P	ug/l	1.24P	3	

W-19-D

Analysis: 8260B Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	(1.45)P	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	188P	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	626	ug/l	0.43P	5	
1,3-Dichlorobenzene	20.0	ug/l	0.66	5	
1,4-Dichlorobenzene	192	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	(2.45)P	ug/l	0.985	5	
cis-1,2-Dichloroethene	8.95	ug/l	0.85	5	
trans-1,2-Dichloroethene	(1.40)P	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

W-19-D

Analysis: 8260B Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	(1.30)P	ug/l	1.1P	5	U
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	6.70	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	27.4P	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

Analysis: NWTPH-DX Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.424P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 11:36

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	1120	ug/l	1.2	1.2	

W-19-I

Analysis: 300.0 Sample Date: 04/13/05 Time: 12:18P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Chloride	2040	mg/l	5.7P	50	
Nitrate	<0.0321P	mg/l	0.0321P	0.1	
Nitrite(as N)P	<1.13P	mg/l	1.13P	10	
Sulfate	65.9P	mg/l	0.0419P	1	

Analysis: 310.1 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Alkalinity	373P	mg/l	0.428P	5	

Analysis: 350.1 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Ammonia (as N)P	<0.0112	mg/l	0.0112	0.05	

Analysis: 351.2 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Total Kjeldahl Nitrogen	<0.0948P	mg/l	0.0948P	0.5	

Analysis: 365.2 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Orthophosphorus	0.0651P	mg/l	0.00141P	0.01	

Analysis: 376.2 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Sulfide	<0.01P	mg/l	0.01P	0.2	

Analysis: 405.1 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
BODP	<0.92	mg/l	0.92	4	

Analysis: 410.4 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
CODP	19.6	mg/l	1.6	5	

Analysis: 415.1/5310 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
TOC	2.72	mg/l	0.117P	1	

Analysis: 6010B Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
AluminumP	(0.0610)P	mg/l	0.0434P	0.1	
CalciumP	479P	mg/l	0.361P	1	
Iron	0.266	mg/l	0.0064P	0.1	
MagnesiumP	178P	mg/l	0.136	1	
otassiumP	21.2	mg/l	0.111P	1	
SodiumP	625	mg/l	0.167P	10	

Analysis: 6020 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Manganese	19.4P	mg/l	0.00298P	0.04	

W-19-I

Analysis: 8151MOD Sample Date: 04/20/05 Time: 10:30

Compound	Concentration	Units	MDL	MRL	Qualifiers
Bromoxynil	<1.26	ug/l	1.26	3	
2,4-DP	<1.31P	ug/l	1.31P	3	
Dalapon	<1.1P	ug/l	1.1P	10	
2,4-DBP	<1.9P	ug/l	1.9P	3	
Dicamba	<1.01P	ug/l	1.01P	3	
Dichlorprop	3.76	ug/l	1.16	3	
DinosebP	<1.54P	ug/l	1.54P	3	
MC A	<127P	ug/l	127P	300	
MC	<111P	ug/l	111P	300	
2,4,5-TP	<1.39P	ug/l	1.39P	3	
2,4,5-TP(Silvex)P	17.5	ug/l	1.24P	3	

W-19-I

Analysis: 8260B Sample Date: 04/13/05 Time: 12:18P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Acetone	<11.7P	ug/l	11.7P	125	
Benzene	(0.950)P	ug/l	0.735	5	
Bromobenzene	<1.66	ug/l	1.66	5	
Bromochloromethane	<1.33P	ug/l	1.33P	5	
Bromodichloromethane	<0.915	ug/l	0.915	5	
BromoformP	<0.87P	ug/l	0.87P	5	
Bromomethane	<1.41P	ug/l	1.41P	50	
2-Butanone (MEK)P	<8P	ug/l	8P	125	
n-Butylbenzene	<0.915	ug/l	0.915	5	
sec-Butylbenzene	<0.965	ug/l	0.965	5	
Carbon disulfide	<1.16	ug/l	1.16	50	
Carbon Tetrachloride	<0.7P	ug/l	0.7P	10	
Chlorobenzene	107P	ug/l	0.68P	5	
Chloroethane	<1.64P	ug/l	1.64P	10	
ChloroformP	<0.715	ug/l	0.715	5	
Chloromethane	<0.795	ug/l	0.795	25	
2-Chlorotoluene	<0.55	ug/l	0.55	5	
4-Chlorotoluene	<0.6	ug/l	0.6	5	
1,2-Dibromo-3-chloropropane	<2.02	ug/l	2.02	5	
Dibromochloromethane	<0.665	ug/l	0.665	5	
1,2-Dibromoethane	<0.935	ug/l	0.935	5	
Dibromomethane	<0.585	ug/l	0.585	5	
1,2-Dichlorobenzene	419P	ug/l	0.43P	5	
1,3-Dichlorobenzene	12.9P	ug/l	0.66	5	
1,4-Dichlorobenzene	124P	ug/l	0.935	5	
Dichlorodifluoromethane	<1.56	ug/l	1.56	25	
1,1-Dichloroethane	<0.785	ug/l	0.785	5	
1,2-Dichloroethane	<0.71P	ug/l	0.71P	5	
1,1-Dichloroethene	(2.10)P	ug/l	0.985	5	
cis-1,2-Dichloroethene	6.65	ug/l	0.85	5	
trans-1,2-Dichloroethene	<0.875	ug/l	0.875	5	
1,2-Dichloropropane	<1.33P	ug/l	1.33P	5	
1,3-Dichloropropane	<0.755	ug/l	0.755	5	
2,2-Dichloropropane	<0.52	ug/l	0.52	5	
1,1-Dichloropropene	<0.745	ug/l	0.745	5	
cis-1,3-Dichloropropene	<0.64P	ug/l	0.64P	5	
trans-1,3-Dichloropropene	<0.76	ug/l	0.76	5	
2-Ethyl-1-hexanol	<500	ug/l	500	500	U,J
Ethylbenzene	<0.55	ug/l	0.55	5	
Hexachlorobutadiene	<4.39P	ug/l	4.39P	10	
2-Hexanone	<5.5	ug/l	5.5	50	
Iodomethane	<11.9P	ug/l	11.9P	100	
Isobutylalcohol	<79.5	ug/l	79.5	500	
Isopropylbenzene	<0.535	ug/l	0.535	5	
4-Isopropyltoluene	<0.745	ug/l	0.745	5	

W-19-I

Analysis: 8260B Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
4-methyl-2-pentanone (MIBK)P	<7.45	ug/l	7.45	25	
Methylene chloride	<2.27P	ug/l	2.27P	25	
Naphthalene	<0.494P	ug/l	0.494P	5	
n-Propylbenzene	<0.69P	ug/l	0.69P	5	
Styrene	<0.362	ug/l	0.362	5	
tert-Butylbenzene	<1.03P	ug/l	1.03P	5	
1,1,1,2-Tetrachloroethane	<0.74P	ug/l	0.74P	5	
1,1,2,2-Tetrachloroethane	<1.47P	ug/l	1.47P	5	
Tetrachloroethene	<0.545	ug/l	0.545	5	
Toluene	<0.775	ug/l	0.775	5	
1,2,3-Trichlorobenzene	<1.1P	ug/l	1.1P	5	
1,2,4-Trichlorobenzene	<1.06	ug/l	1.06	5	
1,1,1-Trichloroethane	<0.43P	ug/l	0.43P	5	
1,1,2-Trichloroethane	<1.5	ug/l	1.5	5	
Trichloroethene	(4.45)P	ug/l	1.2	5	
Trichlorofluoromethane	<0.8P	ug/l	0.8P	5	
1,2,3-Trichloropropane	<1.82	ug/l	1.82	5	
1,2,4-Trimethylbenzene	<0.442	ug/l	0.442	5	
1,3,5-Trimethylbenzene	<0.785	ug/l	0.785	5	
Vinyl chloride	19.7P	ug/l	0.76	5	
m,p-Xylene	<1.48P	ug/l	1.48P	10	
o-Xylene	<0.935	ug/l	0.935	5	

Analysis: NWTPH-DX Sample Date: 04/13/05 Time: 12:18P

Compound	Concentration	Units	MDL	MRL	Qualifiers
Diesel	0.287P	mg/l	0.153P	0.25	
Fuel oil no. 6	<0.286	mg/l	0.286	0.5	

Analysis: RSK 175 Sample Date: 04/13/05 Time: 12:18

Compound	Concentration	Units	MDL	MRL	Qualifiers
Methane	859P	ug/l	1.2	1.2	

APPENDIX E

Final Validated Spring 2005 Groundwater Characterization Event Analytical Results

R - ortland Site

Definitions

( )P	Estimated concentration that is greater than the MDL but less than the MRL.P
MDLP	Method Detection Limit
MRLP	Method Reporting Limit
mg/l	milligrams per liter (ppm)P
ug/l	micrograms per liter (ppb)P
pg/l	picograms per liter (ppq)P
cfu/ml	colony forming units per milliliter

Analytical Qualifiers

UP	The analyte was not detected above the method detection limit or quantitation limit. In the case of blank contamination, the analyte is considered to be less than the stated result.P
JP	The analyte was positively identified, but the associated concentration is an estimate.P
NP	resumptive evidence of analyte presence was detected, but not all identification criteria were met. The presence of the analyte and the associated numerical concentration are both uncertain.P
R	Results for the analyte are unusable due to serious deficiencies in the sample analysis. The presence or absence of the analyte cannot be verified.P