ENVIRONMENTAL PARTNERS INC 295 NE Gilman Boulevard, Suite 201 Issaquah, Washington 98027 ph 425.395.0010

2013 Annual Groundwater Sampling and Monitoring Report

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Former Daniel's Dry Cleaners Facility
Safeco Claim No. 3316 2433 2015 – Ferrelli
Heritage Square Shopping Center
760 Northwest Gilman Boulevard
Issaquah, Washington

Prepared For:

DanTere Management Co., LLC
13030 121st Way Northeast, Suite 203
Kirkland, WA 98034

February 20, 2014

Prepared By:

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QR TM TR TM

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Letter of Transmittal

To:	Mr. Dale Myers, VCP Site Manager	**Date:**	August 12, 2014
	Toxic Cleanup Program, NWRO	**Project No:**	45001.2
	3190 160th Ave. SE.		
	Bellevue, WA 98008-5452		
From:	Eric L. Caddey, LG		

RE: Status of VCP Project No. NW1309 – Daniel's Dry Cleaners

We are sending the following items:

Date	Number of Copies	Description
February 20, 2014	1	EPI report – *2013 Annual Groundwater Sampling and Monitoring Report, Former Daniel's Dry Cleaners*

☒ For your information ☐ For action specified below ☐ For review and comment

☐ For your use ☒ As requested

Remarks:

Mr. Myers, as requested in Ecology's letter dated July 21, 2014, please find EPI's annual report for remedial actions being conducted at the Former Daniel's Dry Cleaners Site. The report identifies the annual remedial actions conducted at the Site, the findings of those actions, and conclusions and recommendations for continued actions. If you have any questions please feel free to call Thom Morin or myself at 425-395-0010.

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ABBREVIATIONS AND ACRONYMS

Abbreviation/ Acronym	Definition
cis-1,2-DCE	cis-1,2,-Dichloroethylene
COC	Contaminant of concern
CUL	Cleanup level
DO	Dissolved oxygen
Ecology	Washington State Department of Ecology
EPI	Environmental Partners, Inc.
ERD	Enhanced reductive dechlorination
HVOC	Halogenated volatile organic compound
µg/L	Micrograms per liter
mg/L	Milligrams per liter
MTCA	Model Toxics Control Act
ORP	Oxidation-reduction potential
PCE	Tetrachloroethylene
TCE	Trichloroethylene
TOC	Total organic carbon
VC	Vinyl chloride
VOC	Volatile organic compound
WAC	Washington Administrative Code

1.0 INTRODUCTION

Environmental Partners, Inc. (EPI) is pleased to present this *2013 Annual Groundwater Sampling and Monitoring Report* (2013 Annual Report) for the Former Daniel's Dry Cleaners formerly located in the Heritage Shopping Center at 760 NW Gilman Boulevard, in Issaquah, Washington (Site). The Site is currently owned by Spencer Retirement Group, and is occupied by Taqueria La Venadita Mexican Restaurant.

This report documents the ongoing confirmational monitoring for the Site, which is used to assess the progress of the ongoing remedial action and eventual attainment of cleanup levels throughout the Site. The ongoing corrective actions include continued enhanced reductive dechlorination (ERD) with quarterly groundwater monitoring and sampling.

The goal of the corrective actions documented herein is to bring the Site into compliance with the Model Toxics Control Act (70.105D RCW) and its implementing regulations (WAC 173-340; collectively referred to as MTCA in this report). The ultimate objective is to attain an unconditional "No Further Action" (NFA) determination for the Site from the Washington State Department of Ecology (Ecology).

1.1 Objectives

The objectives of this 2013 Annual Report are to document the groundwater quality at the Site in 2013 and the Site's progress toward the remedial action objective. The actions described herein include groundwater sampling from the three existing wells and two ERD treatments. Groundwater samples were submitted to a Washington State-accredited laboratory for chemical analysis of the contaminants of concern and additional geochemical parameters discussed below in Sections 2.1 and 2.2.

1.2 Report Organization

The remaining sections of this 2013 Report are organized as follows:

- Section 2.0 provides a description of the Site and physical setting;
- Section 3.0 provides a detailed description of the individual components of the groundwater monitoring and sampling procedures;
- Section 4.0 provides a detailed description of the findings of the groundwater monitoring and sampling activities;
- Section 5.0 describes EPI's conclusions based on the findings described in Section 4.0, and EPI' recommendations for any additional groundwater monitoring activities; and
- Section 6.0 provides the limitations to this 2013 Annual Report.

2.0 SITE DESCRIPTION AND PHYSICAL SETTING

This section provides a description of the Site and physical setting.

2.1 Site Description

The Site contained a dry cleaning establishment owned by Mr. Daniel Ferrelli from approximately 1994 to 2004. On behalf of Spencer Retirement Group Limited Partnership, Environmental Associates, Inc. performed a subsurface investigation of the dry cleaners lease. That investigation focused on the interior of Mr. Ferrelli's space (i.e., Daniel's Dry Cleaning) and included the collection of soil and groundwater samples from four locations inside the lease space.

The subsurface investigation identified impacts to both soil and groundwater from the dry cleaning solvent tetrachloroethylene (PCE) and associated degradation products: trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE), and vinyl chloride (VC) (collectively "contaminants of concern" or "COCs"). These compounds were detected in each of the samples submitted for analysis at concentrations exceeding either the MTCA Method A Soil or Groundwater Cleanup Levels (CULs), and are considered the contaminants of concern (COCs) for the Site.

In 2004 the Site underwent a remedial action that included the excavation of PCE-impacted soil from beneath the concrete slab inside the lease space. To remove the impacted soil that was acting as the source material of groundwater impacts at the Site, the impacted soils were excavated to groundwater at approximately 7 feet below ground surface. Prior to backfilling, an infiltration gallery consisting of three perforated pipes was installed in the bottom of the excavation for the injection of nutrients for ERD.

After backfilling and reconstruction of the concrete floor, three groundwater monitoring wells were installed inside the lease space for groundwater sampling and monitoring. Additional piping was installed from each well to access ports located outside of the suite in the alley to the north. Tubing was placed into the piping and wells for collecting groundwater samples without interfering with the occupant of the lease space. Depth-to-groundwater measurements were collected from inside the lease space at the well head with minimal disturbance to the occupant. However, during the remodeling of the inside of the lease space for the current tenant, Taqueria La Venadita Mexican Restaurant, the three well heads were covered with ceramic floor tile preventing access to the well heads for water level measurement purposes.

Since 2004, the Site has been undergoing *in situ* biological treatment through ERD. ERD has reduced the concentrations of PCE significantly from 8,200 micrograms per liter (µg/L) in 2004 to 5.3 µg/L in 2013 in groundwater from MW-1. However, with the continued degradation of PCE, the concentration of cis-1,2-DCE in MW-1 and of VC in MW-1 and MW-2 remain marginally greater than the MTCA Method A CULs. Continued ERD is necessary to bring groundwater quality into compliance with the MTCA regulation.

Along with COC concentrations, the groundwater is monitored quarterly to ensure that the conditions remain conducive to ERD treatment. Treatments are performed when total organic carbon falls to less than 100 milligrams/liter (mg/L) in any of the wells. Occasionally, after an ERD injection it is necessary to adjust the groundwater pH using sodium bicarbonate to maintain a pH conditions suitable to ongoing biological activity.

2.2 Physical Setting

The facility is at an approximate elevation of 105 feet above mean sea level (MSL). The ground surface at the Site and in the vicinity of the Site slopes gently towards the east. The area of the Site is mostly paved with asphalt or concrete with limited landscaping at the perimeter of the facility.

Near-surface soil conditions at the Site generally consist of intermittent intervals of Well Graded Sand, Sandy Silt, and Poorly Graded Sand, which were observed to the maximum depth of exploration at 11 feet below grade. A water table was consistently encountered at depths between 6 and 9 feet.

3.0 GROUNDWATER MONITORING AND SAMPLING PROCEDURES

The monitoring and sampling procedures and analysis are presented in the following sections.

3.1 Groundwater Measurements

Groundwater measurements were collected from the on-Site wells located in the lease space until the well heads were covered in 2010.

3.2 Groundwater Sampling and Analyses

The three monitoring wells were purged prior to sampling using a peristaltic pump equipped with dedicated tubing. Purging was accomplished by starting the pump system at a low flow rate (approximately 0.2 to 0.5 liters per minute) and slowly increasing the pumping rate. Purge water was discharged through a flow cell for field parameter measurements and contained in graduated 5-gallon buckets.

During sample collection, the flow rate of the peristaltic pump was reduced to 100 milliliters/minute and samples were pumped directly from the pump discharge tubing to laboratory-supplied containers appropriate for the intended analysis. Each container was completely filled so that no headspace remained. The sample containers were labeled with the EPI project number, the corresponding well and sample identification, and the date and time of sample collection. All samples were immediately placed in a chilled cooler for transport to the analytical laboratory. The date and time of sample collection and field observations were recorded on groundwater sampling field sheets.

Groundwater samples were transported to ALS Group, in Everett, Washington, under standard chain-of-custody procedures. All of the samples were analyzed for the following analyses:

- Halogenated volatile organic compounds (HVOCs) using United States Environmental Protection Agency (EPA) Method 8260B;
- Total organic carbon (TOC) using Method SM5310B; and
- Total ferrous iron using Hach field analysis kits.

4.0 GROUNDWATER TREATMENTS

The Site has been undergoing *in situ* biological treatment through ERC since 2004. ERD involves creating a strongly reducing (i.e., anaerobic) environment within the aquifer, which facilitates mineralization of volatile organic compounds (VOCs) through dehalogenation (i.e., removal of chlorine atoms). During anaerobic respiration, certain dehalogenating bacteria successively remove chlorine atoms from the PCE molecule, reducing it to TCE, cis-1,2-DCE, and VC. The process ends when VC is reduced to harmless ethane gas.

The ERD method is conducted by injecting a carbohydrate (i.e., sugar) solution into the saturated zone. The carbohydrate increases TOC within groundwater and provides a food source for indigenous bacteria. The bacteria then consume the carbohydrate, depleting the oxygen and creating anaerobic or "reducing" conditions. Reducing conditions suitable for ERD are characterized by low dissolved oxygen (DO) at a concentration of less than 1.0 mg/L, and low oxidation-reduction potential (ORP) at less than 100 millivolts (mV), and the presence of reduced metals such as ferrous iron.

During the 2013 annual monitoring cycle, EPI applied two ERD treatments to the monitoring well network. The treatments were applied after the quarterly analytical data from the groundwater samples indicated that TOC was being consumed by the bacteria and the concentrations had decreased to less than the desired concentration of 100 milligrams per liter (mg/L). The first treatment was applied on February 4, 2013 and the second treatment was applied on September 12, 2013.

The ERD treatments consisted of a gravity injection of approximately 1,500 gallons of 7 percent by weight sucrose solution in water with an approximate 500 mg/L concentration of sodium bicarbonate into the three injection points depicted on Figure 3. Each batch solution was mixed in a 220-gallon tank using compressed air to stir the solution. A total of nine batches consisting of approximately 167 gallons of water, 97 pounds of sugar, and 0.6 pounds of sodium bicarbonate were injected into the three injection points for a total of 501 gallons injected into each port. The solution was gravity fed through a flexible hose connecting the mixing tank to the injection port riser.

The pH values for the samples collected from the groundwater wells in the October 2013 sampling event ranged from 3.92 to 3.99, less than the minimum desired pH value of 5.0 for ERD. EPI conducted a buffer treatment on November 13, 2013. Approximately 20 gallons of 500 mg/L bicarbonate solution was gravity fed into each of the monitoring wells.

5.0 FINDINGS AND CONCLUSIONS

This section describes the findings of the annual groundwater monitoring and sampling activities, and presents conclusions based on that data.

5.1 Piezometric Conditions

Groundwater flow direction was not reassessed in 2012 because the well vaults remain inaccessible. It is not expected that groundwater migration is currently different than in past years when it was possible to measure the hydraulic gradient. In previous years the hydraulic gradient was relatively flat with values ranging from 0.008 to 0.01 feet per foot (ft/ft) with a slight northerly component. Past data also indicate that groundwater migration is slow and does not strongly affect contaminant migration, which appears to be primarily through chemical diffusion. Therefore, groundwater impacts have been, and are anticipated to remain, localized in the area of MW-1. The most recent groundwater measurements (December 9, 2010) and flow direction data are presented in Figure 2.

5.2 Groundwater Analytical Results

PCE was detected at a concentration exceeding the MTCA Method A CUL of 5.0 µg/L only in samples from MW-1. During the first, second, and third quarter sampling events concentrations ranged from 5.1 µg/L to 5.3 µg/L. The PCE concentration in the groundwater sample collected during the second quarter sampling event was less than laboratory method detection limits (MDLs). No samples in 2013 from wells MW-2 or MW-3 exceeded the MTCA Method A CUL for PCE.

TCE was not detected in any wells at a concentration exceeding the MTCA Method A CUL of 5.0 µg/L in 2013.

Cis-1,2-DCE was detected at a concentration exceeding the MTCA Method B CUL of 80 µg/L only in samples from MW-1. During the first and fourth quarter sampling events concentrations ranged between 510 µg/L and 160 µg/L, respectively. The cis-1,2-DCE concentrations in groundwater samples collected during the second and third quarters were 26 µg/L and 34 µg/L, both of which were less than the MTCA Method A CUL. No samples in 2013 from wells MW-2 or MW-3 exceeded the MTCA Method A CUL for cis-1,2-DCE.

VC was detected in samples from each of the three wells at concentrations exceeding the MTCA Method A CUL of 0.2 µg/L throughout 2013. VC concentrations ranged from a 66 µg/L in the first quarter in MW-1 to less than 0.2 µg/L in MW-3 in the fourth quarter. VC concentrations exhibited a strong declining trend throughout 2013 with concentrations at MW-1 declining from 66 µg/L to 1.4 µg/L, in MW-2 from 0.9 µg/L to 0.27 µg/L and in MW-3 from 1.8 µg/L to less than 0.2 µg/L.

TOC concentrations significantly increased after the two ERD injection events, which are discussed in Section 4.0. The most significant increase was observed in samples from MW-3 where TOC increased from 32 mg/L on July 12, 2013, to 9,300 mg/L on October 15, 2013. TOC concentration trends during the 2013 annual cycle are depicted on Graph 3. Analytical laboratory data for TOC are summarized in Table 1. Final analytical laboratory reports are included in Attachment A.

ORP remained low during the 2013 annual monitoring cycle ranging from -12.5 mV to 119 mV (followed by a nutrient injection that reduced it to -11 mg/L), as summarized in Table 2. These data indicate that the treatment process is effective in creating anaerobic subsurface conditions that are suitable for ERD.

DO concentrations ranged from 0.16 mg/L in MW-3 (December 2013) to 2.91 mg/L in MW-1 (July 2013). The lowest concentrations for the four quarters were seen shortly after the second nutrient injection in the third quarter of 2013.

The monitoring data were graphed to show the progress of the groundwater treatment over time. Graph 1 displays concentration trends for PCE, TCE, cis-1,2-DCE, and VC in MW-1 since 2011. Graph 2 displays the ratio of the concentration of PCE to the concentrations of the break down products TCE, cis-1,2-DCE, and VC in MW-1 since 2004. Graph 3 displays the concentrations of TOC in all three monitoring wells since 2011.

6.0 CONCLUSIONS AND RECOMMENDATIONS

A comparison of current and historical groundwater analytical data indicates a clear decrease in total VOC concentrations since the remedial actions were first initiated in 2004. Data from the 2013 annual monitoring cycle indicate that PCE was detected at concentrations slightly above the MTCA Method A CUL only in samples collected from MW-1. PCE concentrations in the samples collected from MW-2 and MW-3 were either less than the MDL or less than the MTCA Method A CUL. Concentrations of all COCs decreased throughout 2013 and are nearing compliance throughout the Site.

EPI recommends continued ERD injections at a frequency of approximately every 6 months as TOC concentrations decrease to less than 100 mg/L, and until concentrations of the COCs in the groundwater are less than the MTCA Method A CULs for four consecutive quarterly monitoring events. It is reasonable to conclude that ongoing ERD treatment will continue to address residual impacts at the Site and will result in the eventual attainment of CULs. EPI recommends that the TOC concentrations continue to be monitored and an ERD injection event be conducted when necessary.

After four quarters of groundwater analytical data indicate that the COC concentrations are less than the applicable MTCA CULs, EPI will petition Ecology for a No Further Action (NFA) determination for the Site.

7.0 LIMITATIONS

To the extent that preparation of this report has required the application of best professional judgment and the application of scientific principles, certain results of this work have been based on subjective interpretation. EPI makes no warranties express or implied, including and without limitation, warranties as to merchantability or fitness for a particular purpose. The information provided in this report is not to be construed as legal advice.

This report was prepared solely for DanTere Management Company, LLC, and the contents herein may not be used or relied upon by any other person without the express written consent and authorization of EPI.

Tables

Table 1

Summary of Groundwater Analytical Results (in µg/L)[a]
2013 Annual Groundwater Sampling and Monitoring Report
Former Daniel's Dry Cleaners Facility
760 NW Gilman Blvd, Issaquah, WA

Sample Location	Date	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Total Organic Carbon	1,3-Dichloropropane	Chloromethane	Chloroethane	Acetone	2-Butanone	Chloroform	All Other Volatile Organic Compounds
MW-1	12/3/04	**8,200**	**1,800**	**2,600**	30	**140**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/17/04	**SODIUM PERMANGANATE INJECTION**												
	4/1/05	**12,000**	**1,600**	**2,000**	26	**55**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/27/05	**1,600**	**1,200**	**2,400**	25	**43**K	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	7/18/05	**SODIUM/POTASSIUM PERMANGANATE INJECTION**												
	9/19/05	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/20/05	**470**	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/15/06	**880**	**360**	**980**	8	**5**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	5/23/06	**SODIUM PERMANGANATE INJECTION**												
	6/26/06	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	**110**[b]	9	-	-	**33**	ND
	9/26/06	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/28/06	**230**	**63**	**190**	4	**1.6**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/30/07	**430**	**140**	**310**	2	**3**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/15/07	**250**	**190**	**790**	5	**4.5**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/24/07	**86**	**40**	**160**	ND<2	**1**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	1/11/08	**620**	**240**	**890**	8	**5.2**	2,100	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/29/08	**NUTRIENT INJECTION**[c]												
	3/24/08	**40**	**59**	48	ND<2	**1.3**	3,400,000	ND<2	ND<2	ND<2	88[d]	ND<10	ND<2	ND
	6/18/08	**280**	**190**	**3,200**	34	**41**	-	ND<2	ND<2	ND<2	370[d]	190[d]	ND<2	ND
	9/22/08	**34**	**10**	**84**	ND<2	**3.2**	1,200,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/19/08	**6**	**54**	**1,200**	13	**620**	55,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	1/23/09	**NUTRIENT INJECTION**[c]												
	3/13/09	**8**	**91**	**380**	5	**33**	18,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/30/09	**5.3**	**11**	**160**	2.6	**16**	1,400,000	ND<2	**7**	11			ND<2	ND
	8/11/09	**NUTRIENT INJECTION**[c]												
	9/14/09	4.9	**10**	33	ND<2	**1.7**	17,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/16/09	**BUFFER SOLUTION INJECTION**[e]												
	12/4/09	ND<2	**7.3**	**810**	6.7	**92**	2,400,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/24/10	ND<2	ND<2	43	2.2	**21**	160,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/26/10	**NUTRIENT INJECTION**[c]												
	6/29/10	**13**	**10**	**510**	6	**31**	3,400,000	ND<2	ND<2	ND<2	57[d]	110[d]	ND<2	Carbon Disulfide = 2.1[d], Toluene = 6.5[d]
	9/17/10	4.0	2.4	18	ND<2	**0.82**	1,100,000	ND<2	ND<2	ND<2	610[d]	890[d]	ND<2	ND
	12/9/10	**16**	**32**	**390**	7.8	**120**	180,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/15/11	**NUTRIENT INJECTION**[c]												
	3/7/11	ND<2	**6.4**	28	ND<2	**5.6**	25,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/22/11	4.5	2.7	30	ND<2	**4.3**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/20/11	ND<2	ND<2	8	ND<2	**3.7**	76,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/19/11	4.7	**5.2**	**180**	2.5	**39**	5,400	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/6/12	**NUTRIENT INJECTION**[c]												
	3/7/12	**6.1**	**5.3**	66	<2.0	**4.8**	22,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/21/12	2.4	ND<2	23	ND<2	**4.7**	560,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/20/12	ND<2	ND<2	24	ND<2	**7.5**	32,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/13/12	ND<2	ND<2	**85**	ND<2	**33**	16,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/14/13	**NUTRIENT INJECTION**[c]												
	4/11/13	**5.2**	3.1	**510**	7	**66**	2,600,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	7/12/13	ND<2	ND<2	26	2.7	**8.6**	360,000	ND<2	ND<2	ND<2	-	-	N	ND
	9/12/13	**NUTRIENT INJECTION**[c]												
	10/15/13	**5.3**	ND<2	34	ND<2	**1.2**	14,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	11/20/13	**BUFFER SOLUTION INJECTION**[e]												
	12/23/13	**5.1**	3.2	**160**	ND<2	**1.4**	4,400,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
MW-2	12/3/04	ND<2	ND<2	2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/17/04	**SODIUM PERMANGANATE INJECTION**												
	4/1/05	**50**	**12**	8	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/27/05	**21**	**12**	15	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	7/18/05	**SODIUM/POTASSIUM PERMANGANATE INJECTION**												
	9/19/05	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	7	ND<2	ND<2	-	-	ND<2	ND
	12/20/05	**4**	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/15/06	**76**	**48**	**97**	2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	5/23/06	**SODIUM PERMANGANATE INJECTION**												
	6/26/06	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/26/06	3	3	5	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/28/06	**120**	**56**	**140**	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/30/07	**150**	**81**	**210**	4	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/15/07	**49**	**23**	69	ND<2	**0.8**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/24/07	**10**	5	9	ND<2	**1.8**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	1/11/08	**12**	**11**	66	ND<2	ND<0.2	2,500	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/29/08	**NUTRIENT INJECTION**[c]												
	3/24/08	**14**	**13**	62	ND<2	**0.6**	13,000,000	ND<2	ND<2	ND<2	260[d]	ND<10	ND<2	ND
	6/18/08	**19**	**12**	**150**	ND<2	**2.2**	-	ND<2	ND<2	ND<2	460[d]	420[d]	ND<2	ND
	9/22/08	3.5	ND<2	37	ND<2	**3.2**	960,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/19/08	ND<2	ND<2	5	ND<2	**1.7**	120,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	1/23/09	**NUTRIENT INJECTION**[c]												
	3/13/09	3	5	18	ND<2	**2.5**	6,100,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/30/09	ND<2	ND<2	14	ND<2	**2.6**	70,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	8/11/09	**NUTRIENT INJECTION**[c]												
	9/14/09	ND<2	2.7	15	ND<2	**1.2**	13,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/16/09	**BUFFER SOLUTION INJECTION**[e]												
	12/4/09	ND<2	4.8	13	ND<2	**2.4**	1,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/24/10	ND<2	ND<2	15	ND<2	**3.7**	9,400	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/26/10	**NUTRIENT INJECTION**[c]												
	6/29/10	ND<2	ND<2	12	ND<2	**0.51**	1,800,000	ND<2	ND<2	ND<2	250[d]	300[d]	ND<2	Toluene = 21[d]
	9/17/10	ND<2	ND<2	6	ND<2	**0.84**	1,000,000	ND<2	ND<2	ND<2	280[d]	630[d]	ND<2	ND
	12/9/10	ND<2	ND<2	3.1	ND<2	**0.59**	13,000	ND<2	ND<2	ND<2	-	-	ND<2	ND

Table 1

Summary of Groundwater Analytical Results (in µg/L)[a]
2013 Annual Groundwater Sampling and Monitoring Report
Former Daniel's Dry Cleaners Facility
760 NW Gilman Blvd, Issaquah, WA

Sample Location	Date	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Total Organic Carbon	1,3-Dichloropropane	Chloromethane	Chloroethane	Acetone	2-Butanone	Chloroform	All Other Volatile Organic Compounds
MW-2	2/15/11	NUTRIENT INJECTION[c]												
	3/7/11	ND<2	ND<2	ND<2	ND<2	**1.2**	18,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/22/11	ND<2	ND<2	20	ND<2	**3.6**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/20/11	ND<2	ND<2	3.5	ND<2	**0.75**	12,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/19/11	ND<2	ND<2	8.0	ND<2	**0.61**	8,700	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/6/12	NUTRIENT INJECTION[c]												
	3/7/12	ND<2	ND<2	ND<2	ND<2	**0.28**	7,700,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/21/12	ND<2	ND<2	22	ND<2	**3.2**	32,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/20/12	ND<2	ND<2	8.0	ND<2	**0.59**	8,900	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/13/12	2.9	2.1	56	ND<2	**9.0**	4,200	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/14/13	NUTRIENT INJECTION[c]												
	4/11/13	ND<2	ND<2	20	ND<2	**0.9**	680,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	7/12/13	ND<2	ND<2	21	ND<2	**1.3**	74,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/12/13	NUTRIENT INJECTION[c]												
	10/15/13	ND<2	ND<2	5.8	ND<2	**0.55**	7,500,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	11/20/13	BUFFER SOLUTION INJECTION[e]												
	12/23/13	ND<2	ND<2	10	ND<2	**0.27**	2,800,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
MW-3	12/3/04	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/17/04	SODIUM PERMANGANATE INJECTION												
	4/1/05	**11**	3	3	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/27/05	**440**	**100**	**120**	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	7/18/05	SODIUM/POTASSIUM PERMANGANATE INJECTION												
	9/19/05	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/20/05	**320**	**140**	**360**	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/15/06	**70**	**48**	**120**	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	5/23/06	SODIUM PERMANGANATE INJECTION												
	6/26/06	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/26/06	ND<2	ND<2	ND<2	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/28/06	**27**	**16**	35	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/30/07	**38**	**15**	35	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/15/07	**24**	**7**	18	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/24/07	**7**	3	3	ND<2	ND<0.2	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	1/11/08	**9**	**13**	**110**	ND<2	ND<0.2	2,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/29/08	NUTRIENT INJECTION[c]												
	3/24/08	**14**	**6**	22	ND<2	ND<0.2	12,000,000	ND<2	ND<2	ND<2	160[d]	ND<10	ND<2	ND
	6/18/08	**30**	**10**	47	ND<2	**0.8**	-	ND<2	ND<2	ND<2	760[d]	590[d]	ND<2	ND
	9/22/08	ND<2	ND<2	4	ND<2	ND<0.2	39,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/19/08	ND<2	ND<2	5	ND<2	**0.5**	60,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	1/23/09	NUTRIENT INJECTION[c]												
	3/13/09	**9**	**14**	35	ND<2	**4.9**	9,700,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/30/09	ND<2	ND<2	**150**	2.3	**7.3**	280,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	8/11/09	NUTRIENT INJECTION[c]												
	9/14/09	2.5	2.2	32	ND<2	**0.73**	19,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/16/09	BUFFER SOLUTION INJECTION												
	12/4/09	2	**7.7**	4	ND<2	**0.26**	1,500,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/24/10	ND<2	ND<2	18	ND<2	**4.5**	14,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	3/26/10	NUTRIENT INJECTION[c]												
	6/29/10	3	ND<2	8.3	ND<2	**0.25**	2,100,000	ND<2	ND<2	ND<2	**1200**[d]	380[d]	ND<2	Toluene - 56[d]
	9/17/10	2.9	ND<2	9.1	ND<2	**0.45**	1,400,000	ND<2	ND<2	ND<2	**1700**[d]	860[d]	ND<2	Carbon Disulfide = 2.2[d], Toluene = 91[d]
	12/9/10	ND<2	ND<2	2.8	ND<2	**0.45**	16,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/15/11	NUTRIENT INJECTION[c]												
	3/7/11	ND<2	ND<2	13.0	ND<2	**2.70**	23,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/22/11	ND<2	ND<2	32.0	ND<2	**9.40**	-	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/20/11	ND<2	ND<2	15.0	ND<2	**1.1**	43,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/19/11	ND<2	ND<2	ND<2	ND<2	ND<0.2	2,800	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/6/12	NUTRIENT INJECTION[c]												
	3/7/12	ND<2	ND<2	28.0	ND<2	ND<0.2	16,000,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	6/21/12	ND<2	ND<2	31.0	ND<2	**8.3**	67,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/20/12	ND<2	ND<2	16.0	ND<2	**1.2**	23,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	12/13/12	4.2	2.8	71.0	ND<2	**9.9**	7,300	ND<2	ND<2	ND<2	-	-	ND<2	ND
	2/14/13	NUTRIENT INJECTION[c]												
	4/11/13	2.2	ND<2	27.0	ND<2	**1.8**	740,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	7/12/13	ND<2	ND<2	31.0	ND<2	**1.9**	32,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	9/12/13	NUTRIENT INJECTION[c]												
	10/15/13	ND<2	4.0	7.8	ND<2	ND<0.31	9,300,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
	11/20/13	BUFFER SOLUTION INJECTION[e]												
	12/23/13	ND<2	ND<2	5.6	ND<2	ND<0.2	2,400,000	ND<2	ND<2	ND<2	-	-	ND<2	ND
MTCA Method A or B Groundwater Cleanup Level		**5**	**5**	**80[f]**	**160[f]**	**0.2**	**NVE**	**NVE**	**3.37[f]**	**NVE**	**800[f]**	**4,800[f]**	**7.17[f]**	**Carbon Disulfide = NVE, Toluene = 1,100**

Notes:

All results presented in micrograms per liter (µg/L).

ND Not detected above the compound-specific laboratory detection limit.

NVE No MTCA Cleanup Level has been established for the indicated compound.

Bold Indicates that the detected concentration exceeds the MTCA Method A and/or the MTCA Method B Groundwater Cleanup Level

Indicates samples obtained during the 2011 groundwater monitoring cycle.

a All groundwater samples analyzed for halogenated volatile organic compounds using EPA Method 8260 unless otherwise indicated. All laboratory analyses performed by ALS Laboratory Group in Everett, Washington.

b Analytical laboratory indicated that "Chloromethane results are an estimate. Initial analysis results were 4X calibration range while re-analysis at dilution produced results 20X lower than anticipated. Initial results reported.

c Nutrient Injection consisted of injecting a solution of sugar and sodium bicarbonate in water.

d Source of contaminant believed to be nail salon in adjacent suite to the east.

e Buffer Solution Injection conisted of injecting a solution of sodium bicarbonate in water.

f Model Toxics Control Act (MTCA) Method B Groundwater Cleanup Level.

Table 2
Summary of 2013 Groundwater Parameters
2013 Annual Groundwater Sampling and Monitoring Report
Former Daniel's Dry Cleaners Facility
760 NW Gilman Blvd, Issaquah, WA

Well	Date	Ferrous Iron (mg/L)[a]	pH	Specific Conductivity (uS/cm)[b]	Temperature (°C)	Dissolved Oxygen (mg/L)[c]	ORP (mV)[d]
MW-1	2/14/13	Nutrient Injection					
	4/11/13	6.3	4.49	1.433	15.62	2.02	-3.0
	7/12/13	4.6	5.01	0.762	19.67	2.91	80.7
	9/12/13	Nutrient Injection					
	10/15/13	3.5	3.99	2.377	20.58	0.92	-13.3
	11/20/13	Buffer Treatment					
	12/23/13	4.3	5.13	5.059	16.72	0.31	-32.5
MW-2	2/14/13	Nutrient Injection					
	4/11/13	5.8	4.79	0.915	17.94	1.31	-12.5
	7/12/13	3.8	5.4	0.447	20.04	1.88	54.4
	9/12/13	Nutrient Injection					
	10/15/13	6.2	3.92	2.582	19.88	0.57	-22.3
	11/20/13	Buffer Treatment					
	12/23/13	3.8	4.51	1.192	18.07	0.27	50.8
MW-3	2/14/13	Nutrient Injection					
	4/11/13	4.0	4.83	0.761	16.73	1.39	7.5
	7/12/13	1.4	5.35	0.366	20.12	1.55	119
	9/12/13	Nutrient Injection					
	10/15/13	7.0	3.86	2.154	19.93	0.43	-11
	11/20/13	Buffer Treatment					
	12/23/13	1.3	5.12	3.023	17.12	0.16	-2.1

Notes:

a Ferrous iron analyzed in the field using Hach field kit.
b Conductivity measured in microSiemens/centimeter (µS/cm).
c Dissolved oxygen measured in milligrams/liter (mg/L).
d Oxidation reduction potential measured in millivolts (mV).

Figures

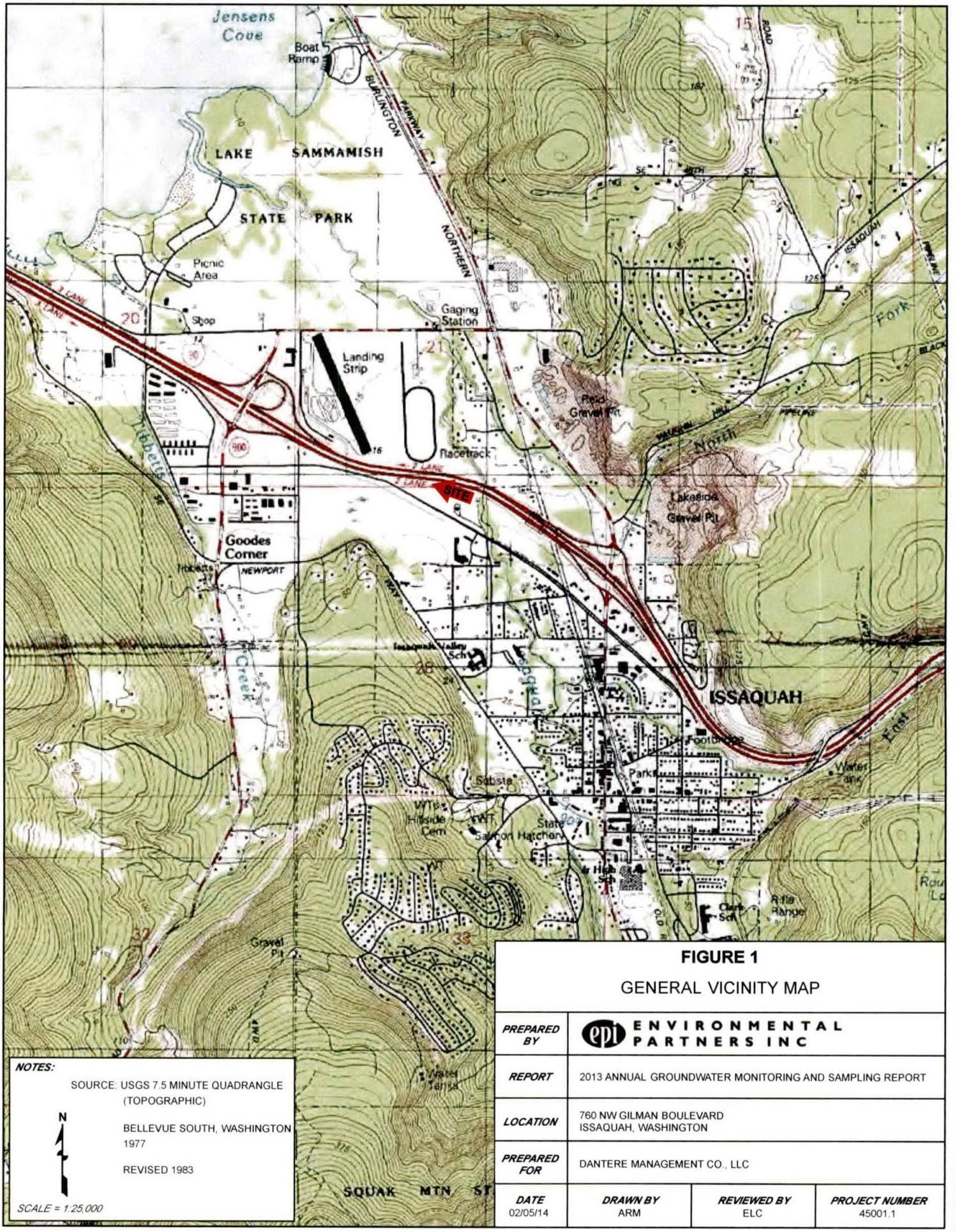
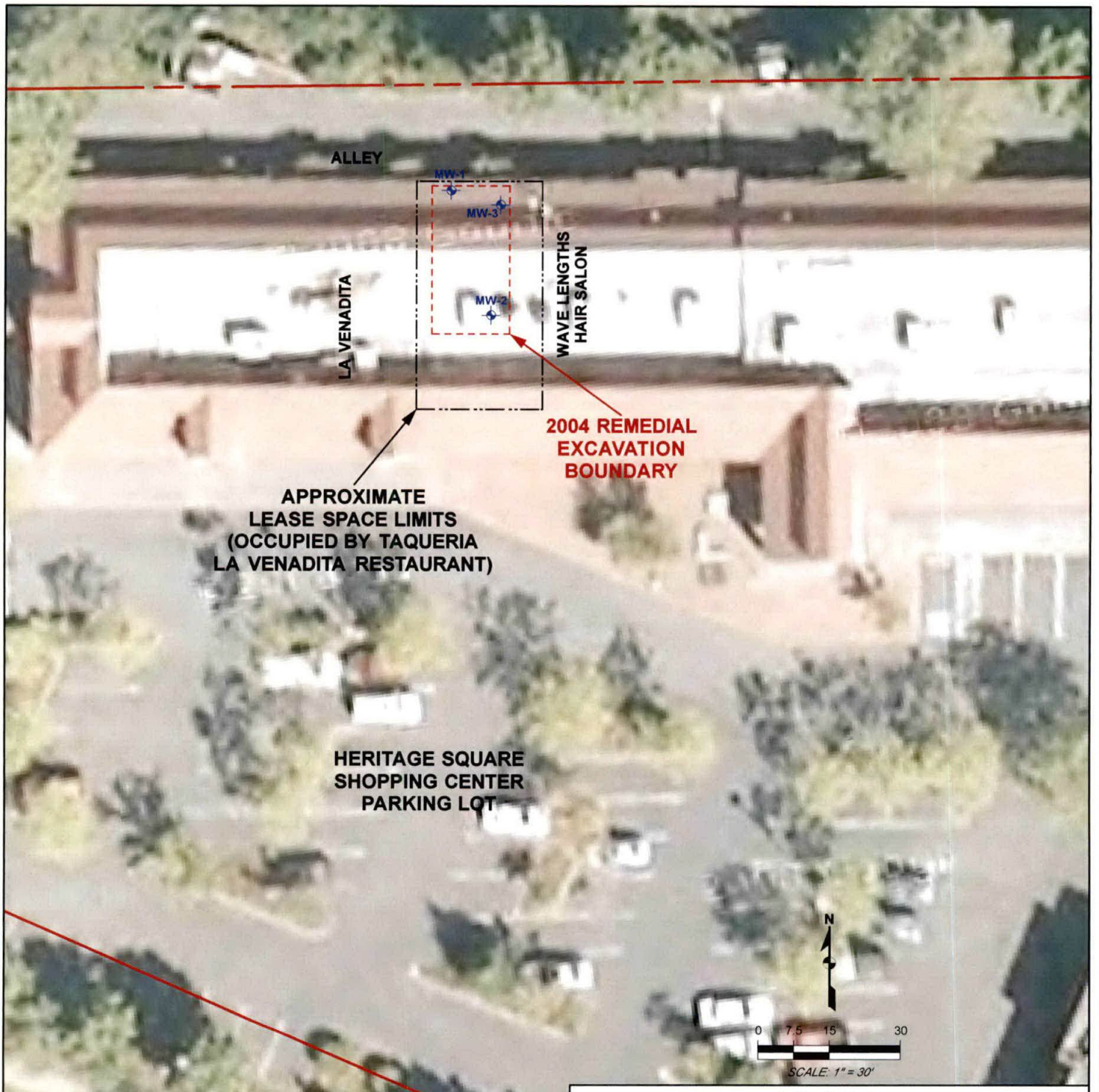


FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2013 ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
DATE 02/05/14	***DRAWN BY*** ARM	***REVIEWED BY*** ELC	***PROJECT NUMBER*** 45001.1



NOTES:

GROUNDWATER MONITORING WELL

FIGURE 2

SITE REPRESENTATION

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2013 ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
DATE 02/13/14	*DRAWN BY* ARM	*REVIEWED BY* ELC	*PROJECT NUMBER* 45001.1

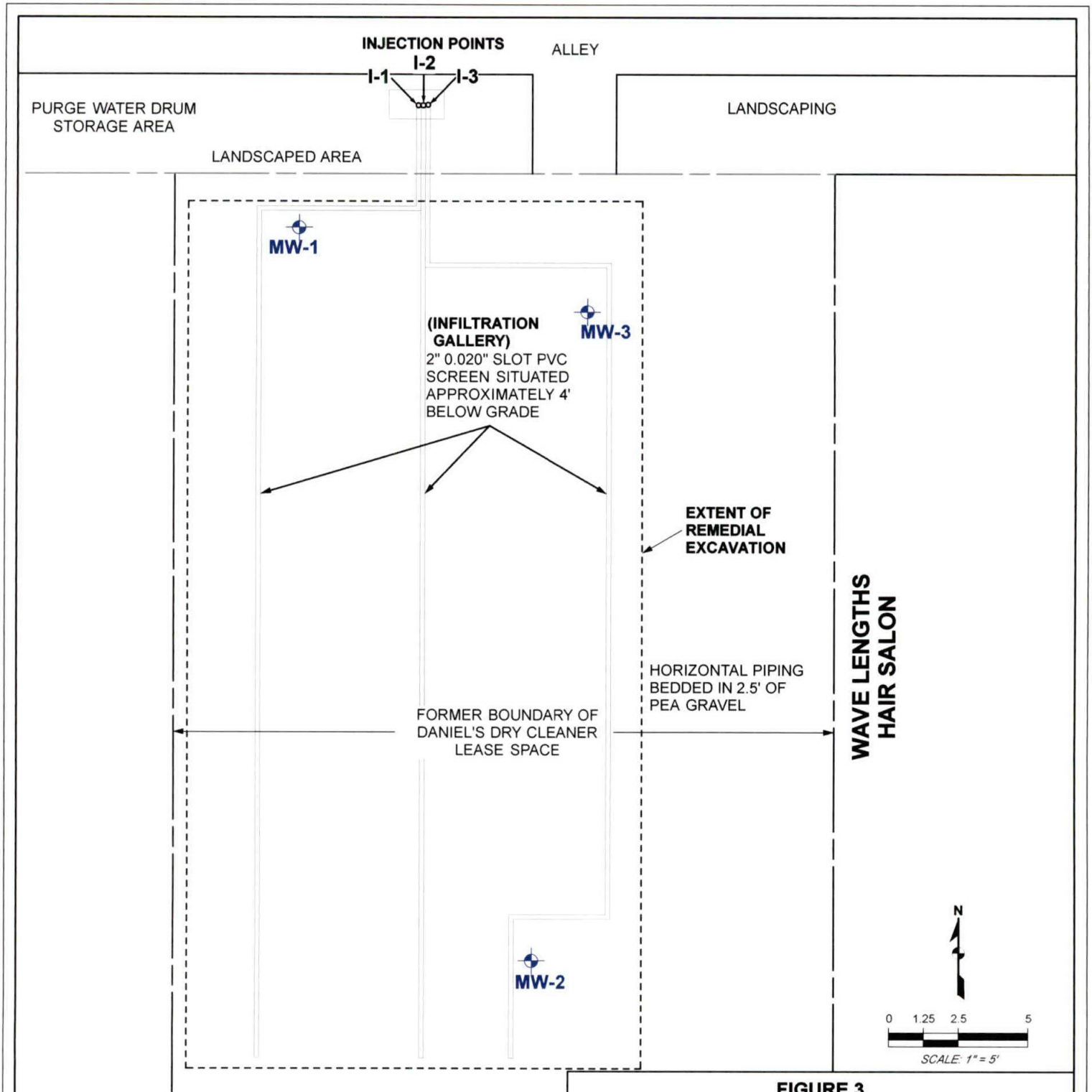


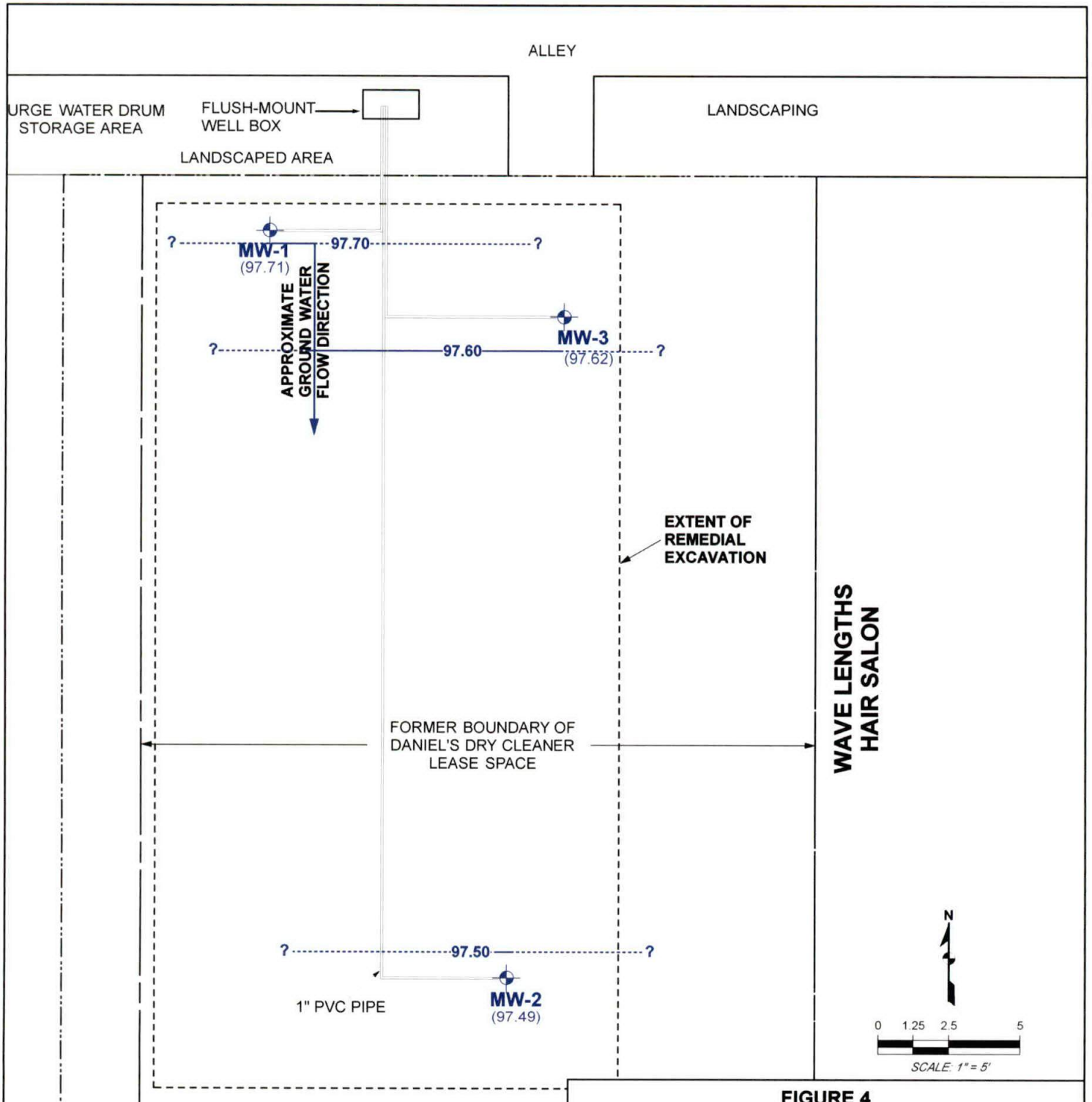
FIGURE 3

HORIZONTAL PIPING INJECTION NETWORK AND GROUNDWATER MONITORING WELLS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2013 ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
DATE 02/13/14	*DRAWN BY* ARM	*REVIEWED BY* ELC	*PROJECT NUMBER* 45001.1

NOTES:

GROUNDWATER MONITORING WELL



NOTES:

- GROUNDWATER MONITORING WELL
- (96.39) GROUNDWATER ELEVATION IN FEET
- GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN

FIGURE 4

GROUNDWATER ELEVATION CONTOURS FOR DECEMBER 9, 2010

PREPARED BY	epi ENVIRONMENTAL PARTNERS INC		
REPORT	2013 ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
DATE 02/13/14	*DRAWN BY* ARM	*REVIEWED BY* ELC	*PROJECT NUMBER* 45001.1

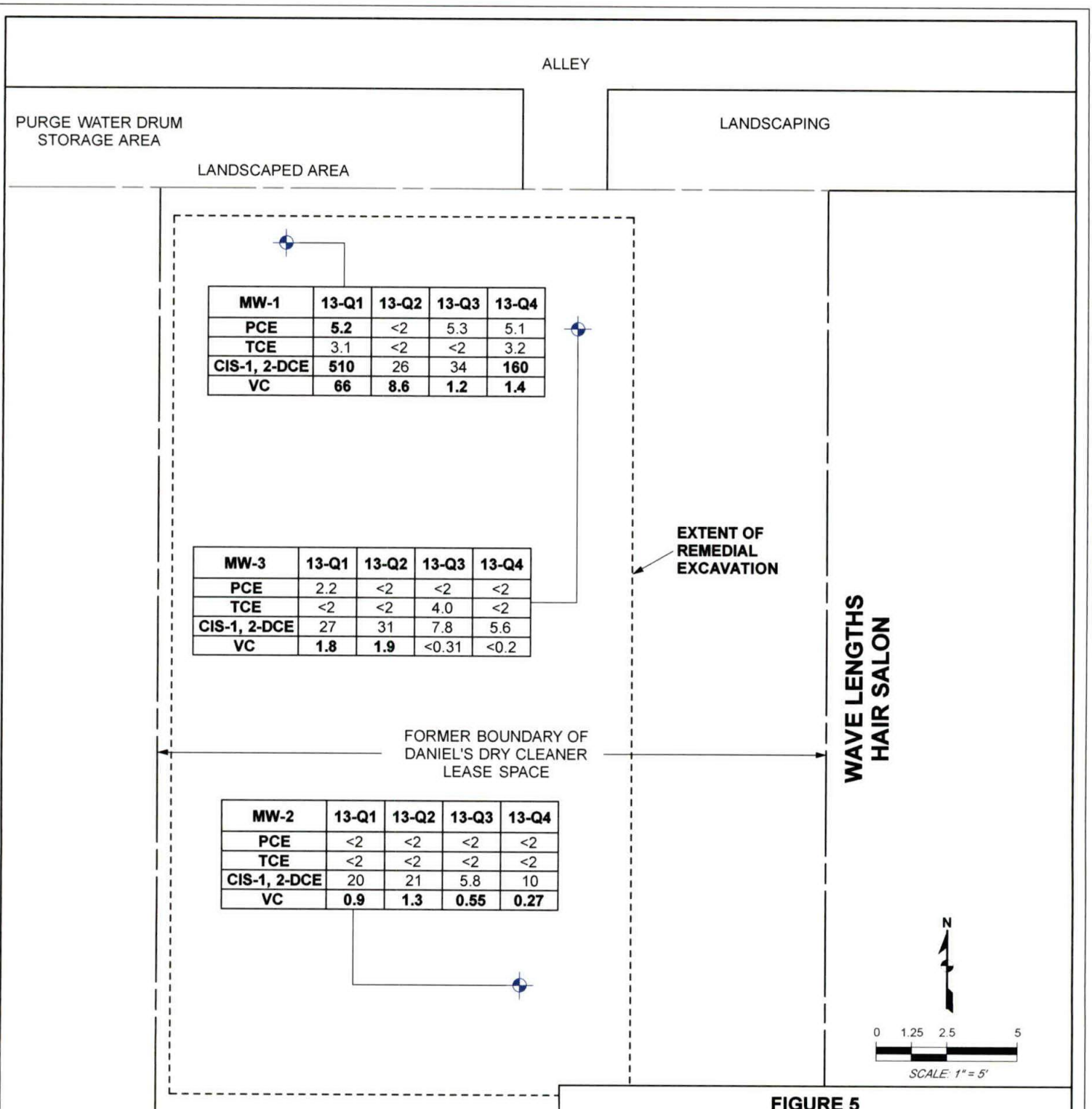


FIGURE 5

2013 GROUNDWATER ANALYTICAL DATA (MICROGRAMS/LITER)

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2013 ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
DATE 02/13/14	*DRAWN BY* ARM	*REVIEWED BY* ELC	*PROJECT NUMBER* 45001.1

NOTES:

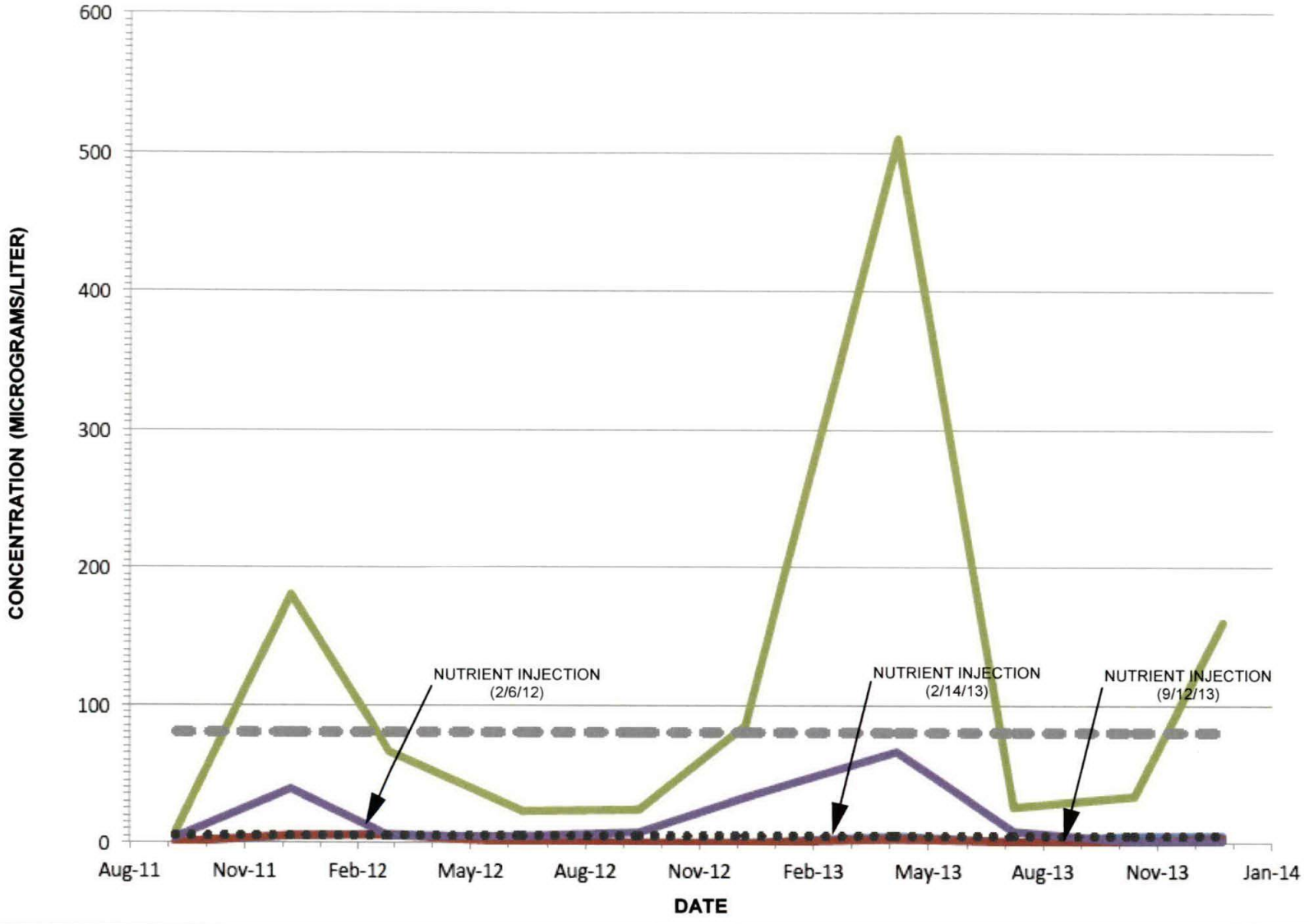
GROUNDWATER MONITORING WELL

PCE TETRACHLOROETHYLENE
TCE TRICHLOROETHYLENE
CIS-1,2-DCE CIS-1,2-DICHLOROETHYLENE
VC VINYL CHLORIDE

BOLD INDICATES CONCENTRATION ABOVE MTCA METHOD A CLEANUP LEVEL

MTCA METHOD A CLEANUP LEVELS:	
PCE	5
TCE	5
CIS-1,2-DCE	80
VC	0.2

Graphs



KEY:

- TETRACHLOROETHYLENE (PCE)
- TRICHLOROETHYLENE (TCE)
- CIS-1,2 DICHLOROETHYLENE (CIS-1,2-DCE)
- VINYL CHLORIDE (VC)
- DCE ISOMERS MTCA METHOD B GROUNDWATER CLEANUP LEVEL
- PCE AND TCE MTCA METHOD A GROUNDWATER CLEANUP LEVEL

NOTE: MTCA METHOD A CLEANUP LEVEL FOR VC IS 0.2 MICROGRAMS/LITER AND IS NOT DEPICTED ON GRAPH

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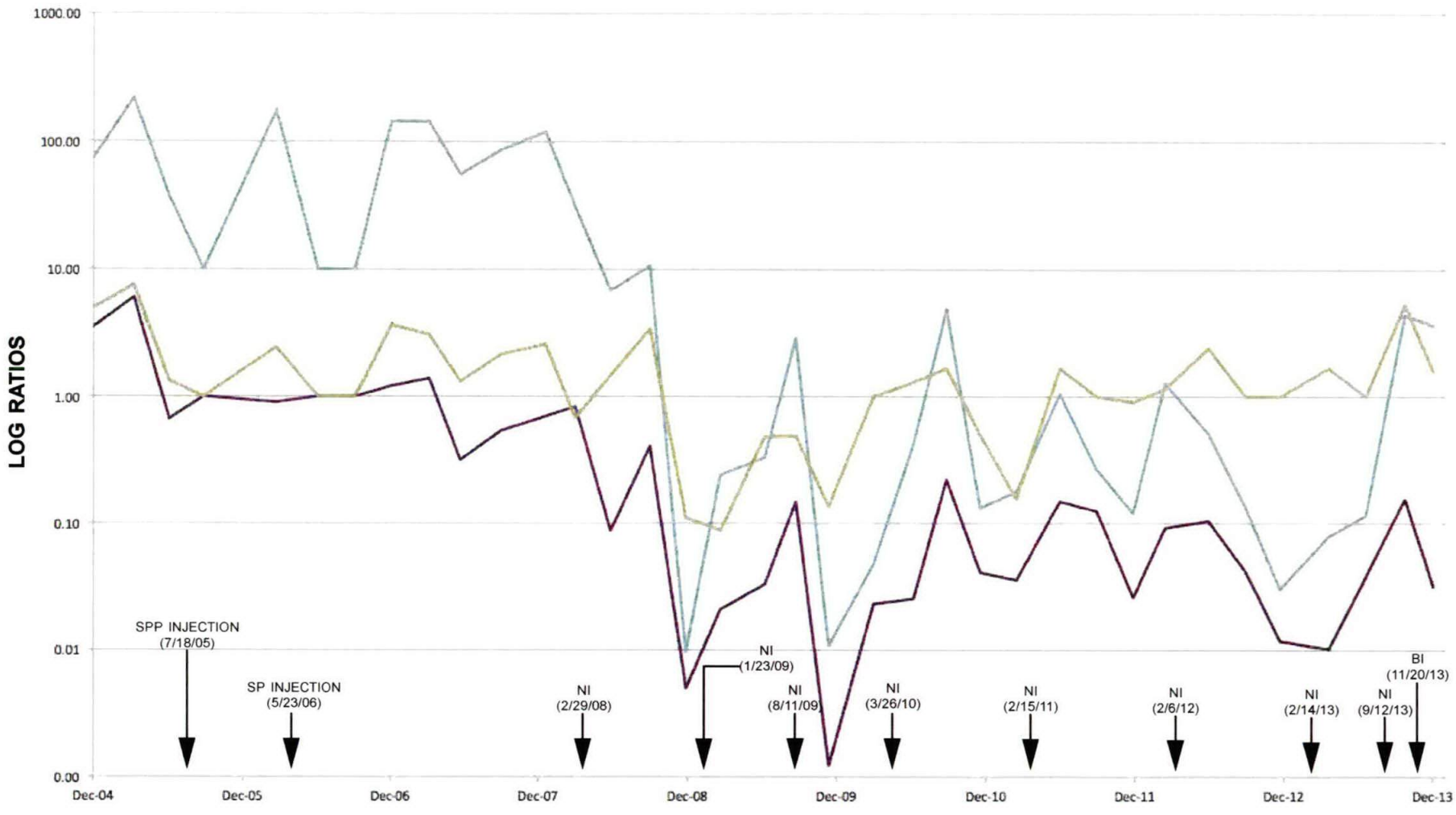
295 NE Gilman Boulevard, Suite 201
Issaquah, Washington 98027

GRAPH 1

PCE, TCE, CIS-1,2-DCE, AND VC CONCENTRATIONS IN GROUNDWATER FROM MW-1 DURING THE 2013 ANNUAL MONITORING CYCLE

PROJECT	45001.1		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
SHEET 1 OF 1	***DRAWN BY*** MMM/CLM	***REVIEWED BY*** ELC	***DATE*** 02/13/14



KEY:

- PCE TO CIS-1,2-DCE RATIO
- PCE TO TCE RATIO
- PCE TO VC RATIO

NI - NUTRIENT INJECTION
SP - SODIUM PERMANGANATE INJECTION
SPP - SODIUM/POTASSIUM PERMANGANATE INJECTION
BI - BUFFER INJECTION

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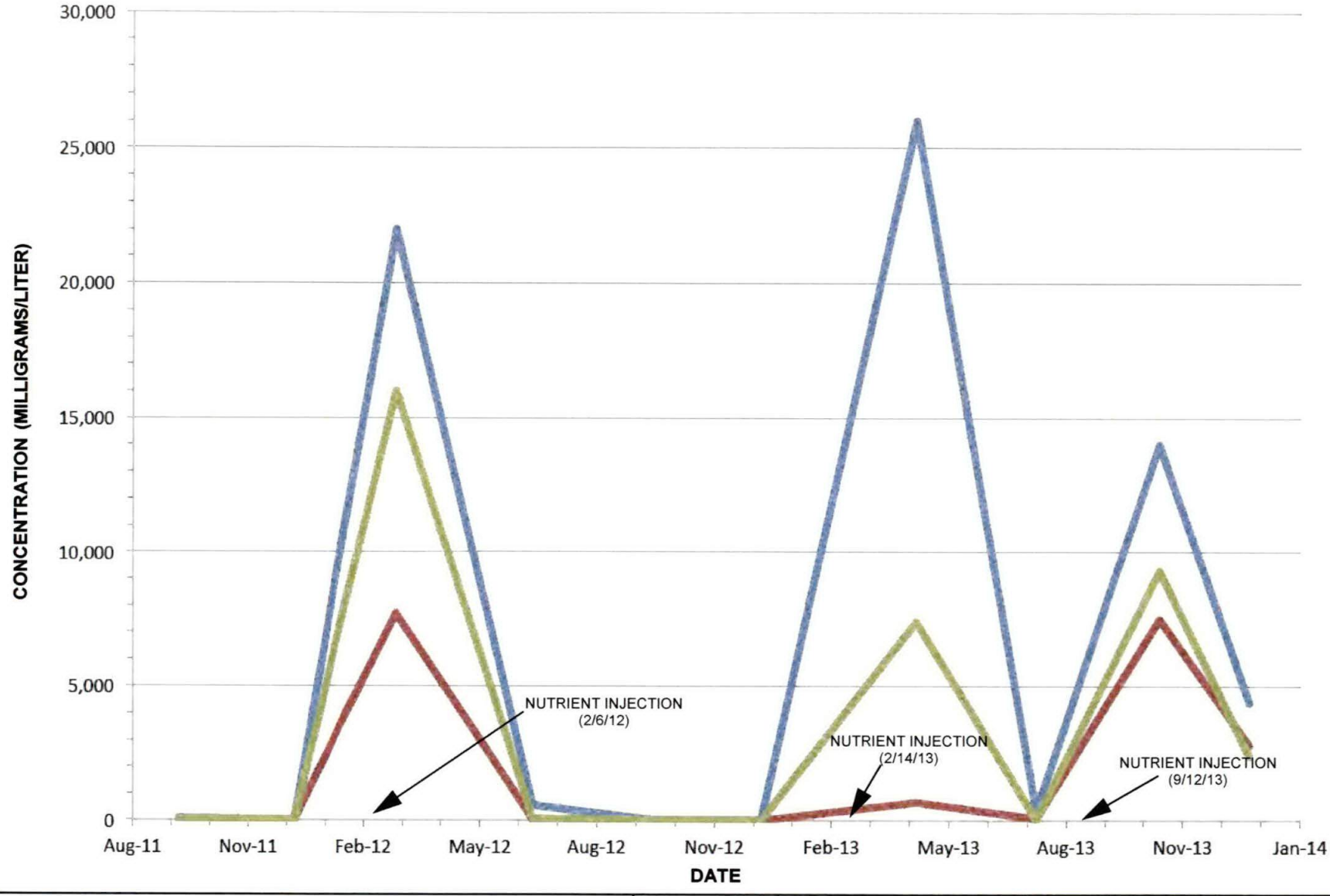
Issaquah, Washington 98027

GRAPH 2

RATIOS OF PCE TO DEGRADATION COMPOUNDS FROM GROUNDWATER IN MW-1

PROJECT	45001.1		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
SHEET 1 OF 1	**DRAWN BY** MMM	**REVIEWED BY** ELC	**DATE** 02/13/14



KEY:

- MW-1
- MW-2
- MW-3

ENVIRONMENTAL PARTNERS INC
295 NE Gilman Boulevard, Suite 201
Issaquah, Washington 98027

GRAPH 3

TOC CONCENTRATIONS IN GROUNDWATER DURING THE 2013 MONITORING CYCLE

PROJECT	45001.1		
PREPARED FOR	DANTERE MANAGEMENT CO., LLC		
LOCATION	760 NW GILMAN BOULEVARD ISSAQUAH, WASHINGTON		
SHEET 1 OF 1	**DRAWN BY** MMM	**REVIEWED BY** ELC	**DATE** 02/12/14

Attachment A
Laboratory Analytical Reports for 2013

April 26, 2013

Mr. Eric Caddey
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

Dear Mr. Caddey,

On April 12th, 3 samples were received by our laboratory and assigned our laboratory project number EV13040086. The project was identified as your 45001.1. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS JOB#:	EV13040086
		ALS SAMPLE#:	-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	4/12/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	4/11/2013 9:56:00 AM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Vinyl Chloride	EPA-8260	**66**	4.0	20	UG/L	04/16/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	04/16/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	**7.0**	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**510**	40	20	UG/L	04/16/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trichloroethene	EPA-8260	**3.1**	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Tetrachloroethylene	EPA-8260	**5.2**	2.0	1	UG/L	04/16/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	04/16/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS JOB#:	EV13040086
		ALS SAMPLE#:	-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	4/12/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	4/11/2013 9:56:00 AM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	04/16/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Total Organic Carbon (TOC)	SM5310B	**2600000**	50000	100	UG/L	04/22/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**119**	04/16/2013	GAP
1,2-Dichloroethane-d4 20X Dilution	EPA-8260	**101**	04/16/2013	GAP
4-Bromofluorobenzene	EPA-8260	**101**	04/16/2013	GAP
4-Bromofluorobenzene 20X Dilution	EPA-8260	**102**	04/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	4/26/2013 EV13040086 -02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	4/12/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	4/11/2013 10:27:00 AM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Vinyl Chloride	EPA-8260	**0.89**	0.20	1	UG/L	04/16/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	04/16/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**20**	2.0	1	UG/L	04/16/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	04/16/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS JOB#:	EV13040086
		ALS SAMPLE#:	-02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	4/12/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	4/11/2013 10:27:00 AM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	04/16/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Total Organic Carbon (TOC)	SM5310B	**680000**	25000	50	UG/L	04/20/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**93.6**	04/16/2013	GAP
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	**102**	04/17/2013	GAP
1,2-Dichloroethane-d4 50X Dilution	EPA-8260	**101**	04/17/2013	GAP
4-Bromofluorobenzene	EPA-8260	**115**	04/16/2013	GAP
4-Bromofluorobenzene 10X Dilution	EPA-8260	**102**	04/17/2013	GAP
4-Bromofluorobenzene 50X Dilution	EPA-8260	**100**	04/17/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	4/26/2013 EV13040086 -03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	4/12/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	4/11/2013 10:58:00 AM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Vinyl Chloride	EPA-8260	**1.8**	0.20	1	UG/L	04/16/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	04/16/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**27**	2.0	1	UG/L	04/16/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Tetrachloroethylene	EPA-8260	**2.2**	2.0	1	UG/L	04/16/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	04/16/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS JOB#:	EV13040086
		ALS SAMPLE#:	-03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	4/12/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	4/11/2013 10:58:00 AM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	04/16/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/16/2013	GAP
Total Organic Carbon (TOC)	SM5310B	**740000**	25000	50	UG/L	04/20/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**102**	04/16/2013	GAP
1,2-Dichloroethane-d4 40X Dilution	EPA-8260	**102**	04/16/2013	GAP
4-Bromofluorobenzene	EPA-8260	**103**	04/16/2013	GAP
4-Bromofluorobenzene 40X Dilution	EPA-8260	**102**	04/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS SDG#:	EV13040086
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-041513W - Batch 3647 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	04/15/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	04/15/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Toluene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	04/15/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS SDG#:	EV13040086
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-041513W - Batch 3647 - Water by EPA-8260

1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	04/15/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/15/2013	GAP

MB1-4/20/2013 - Batch R81158 - Water by SM5310B

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310B	U	500	1	UG/L	04/20/2013	CAS

MB2-4/20/2013 - Batch R81158 - Water by SM5310B

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310B	U	500	1	UG/L	04/20/2013	CAS

MB3-4/22/2013 - Batch R81158 - Water by SM5310B

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310B	U	500	1	UG/L	04/22/2013	CAS

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS SDG#:	EV13040086
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 3647 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	120			04/15/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	114	5		04/15/2013	GAP
Trichloroethene - BS	EPA-8260	117			04/15/2013	GAP
Trichloroethene - BSD	EPA-8260	114	3		04/15/2013	GAP
Toluene - BS	EPA-8260	115			04/15/2013	GAP
Toluene - BSD	EPA-8260	111	3		04/15/2013	GAP
Chlorobenzene - BS	EPA-8260	114			04/15/2013	GAP
Chlorobenzene - BSD	EPA-8260	111	2		04/15/2013	GAP

ALS Test Batch ID: R81158 - Water by SM5310B

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC) - BS	SM5310B	96.1			04/22/2013	CAS
Total Organic Carbon (TOC) - BS	SM5310B	96.7			04/20/2013	CAS

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	4/26/2013
		ALS SDG#:	EV13040086
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

MATRIX SPIKE RESULTS

ALS Test Batch ID: R81158 - Water
Parent Sample: MW-2

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC) 50X Dilution - MS	SM5310B	103			04/20/2013	CAS

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS SDG#: WDOE ACCREDITATION:	4/26/2013 EV13040086 C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

SAMPLE DUPLICATE RESULTS

ALS Test Batch ID: R81158 - Water by SM5310B

EV13040086-03DUP-R81158

ANALYTE	METHOD	PARENT SAMPLE RESULTS	DUP SAMPLE RESULTS	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310B	740000	730000	2		04/20/2013	CAS
Total Organic Carbon (TOC)	SM5310B	680000	660000	4		04/20/2013	CAS
Total Organic Carbon (TOC)	SM5310B	2600000	2600000	1		04/22/2013	CAS

APPROVED BY

Laboratory Director

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain of Custody / Laboratory Analysis Request

Lab# / Laboratory Use Only

EV13040086

Date 4/11/13 Page 1 Of 1

PROJECT ID: 45001.1
REPORT TO COMPANY: EPI
PROJECT MANAGER: Eric Cadden
ADDRESS: 295 NE Gilman Blvd, Ste 201
Issaquah, WA 98027
PHONE: 425-395-0010 FAX: 425-395-0011
P.O. #: E-MAIL: eric@epi-wa.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify) TOC							NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-1	4/11/13	0956	GW	1						X										X							4	
2. MW-2	↓	1027	↓	2						X										X							4	
3. MW-3	↓	1058	↓	3						X										X							4	
4.																												
5.																												
6.																												
7.																												
8.																												
9.																												
10.																												

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 4/12/13
Received By: ALS 4/12/13 9:45
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: [10] Standard [5] [3] [2] [1] [SAME DAY]

Fuels & Hydrocarbon Analysis: [5] Standard [3] [1] [SAME DAY]

OTHER: Specify:

* Turnaround request less than standard may incur Rush Charges

July 31, 2013

Mr. Eric Caddey
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

Dear Mr. Caddey,

On July 15th, 4 samples were received by our laboratory and assigned our laboratory project number EV13070076. The project was identified as your 45001.1. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS JOB#:	EV13070076
		ALS SAMPLE#:	-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 12:22:00 PM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Vinyl Chloride	EPA-8260	**8.6**	0.20	1	UG/L	07/23/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	07/23/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	**2.7**	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**26**	2.0	1	UG/L	07/23/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	07/23/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS JOB#:	EV13070076
		ALS SAMPLE#:	-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 12:22:00 PM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	07/23/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	**2.2**	2.0	1	UG/L	07/23/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**360**	10	20	MG/L	07/19/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**112**	07/23/2013	GAP
4-Bromofluorobenzene	EPA-8260	**120**	07/23/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS JOB#:	EV13070076
		ALS SAMPLE#:	-02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 1:15:00 PM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Vinyl Chloride	EPA-8260	**1.3**	0.20	1	UG/L	07/23/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	07/23/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**21**	2.0	1	UG/L	07/23/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	07/23/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/31/2013 EV13070076 -02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 1:15:00 PM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	07/23/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**74**	10	20	MG/L	07/19/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**110**	07/23/2013	GAP
4-Bromofluorobenzene	EPA-8260	**105**	07/23/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/31/2013 EV13070076 -03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 1:38:00 PM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Vinyl Chloride	EPA-8260	**1.9**	0.20	1	UG/L	07/23/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	07/23/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**31**	2.0	1	UG/L	07/23/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	07/23/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS JOB#:	EV13070076
		ALS SAMPLE#:	-03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 1:38:00 PM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	07/23/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**32**	10	20	MG/L	07/19/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**114**	07/23/2013	GAP
4-Bromofluorobenzene	EPA-8260	**114**	07/23/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS JOB#:	EV13070076
		ALS SAMPLE#:	-04
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 8:00:00 AM
CLIENT SAMPLE ID	TripBlank-071213	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	07/23/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	07/23/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	07/23/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS JOB#:	EV13070076
		ALS SAMPLE#:	-04
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	7/15/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	7/12/2013 8:00:00 AM
CLIENT SAMPLE ID	TripBlank-071213	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	07/23/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/23/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**118**	07/23/2013	GAP
4-Bromofluorobenzene	EPA-8260	**109**	07/23/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS SDG#:	EV13070076
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-072213W - Batch 3937 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	07/22/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	07/22/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Toluene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	07/22/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	7/31/2013
		ALS SDG#:	EV13070076
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-072213W - Batch 3937 - Water by EPA-8260

1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	07/22/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/22/2013	GAP

MB1-7/19/2013 - Batch R82119 - Water by SM5310C

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310C	U	0.50	1	MG/L	07/19/2013	CAS

MB2-7/19/2013 - Batch R82119 - Water by SM5310C

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310C	U	0.50	1	MG/L	07/19/2013	CAS

MB3-7/19/2013 - Batch R82119 - Water by SM5310C

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310C	U	0.50	1	MG/L	07/19/2013	CAS

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS SDG#: WDOE ACCREDITATION:	7/31/2013 EV13070076 C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 3937 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	**101**			07/22/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	**103**	**2**		07/22/2013	GAP
Trichloroethene - BS	EPA-8260	**103**			07/22/2013	GAP
Trichloroethene - BSD	EPA-8260	**105**	**2**		07/22/2013	GAP
Toluene - BS	EPA-8260	**99.2**			07/22/2013	GAP
Toluene - BSD	EPA-8260	**101**	**2**		07/22/2013	GAP
Chlorobenzene - BS	EPA-8260	**89.6**			07/22/2013	GAP
Chlorobenzene - BSD	EPA-8260	**92.0**	**3**		07/22/2013	GAP

ALS Test Batch ID: R82119 - Water by SM5310C

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC) - BS	SM5310C	**96.1**			07/19/2013	CAS
Total Organic Carbon (TOC) - BS	SM5310C	**95.6**			07/19/2013	CAS
Total Organic Carbon (TOC) - BS	SM5310C	**96.7**			07/19/2013	CAS
Total Organic Carbon (TOC) - BS	SM5310C	**95.0**			07/19/2013	CAS

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody / Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1307007G

Date: _____ Page: 1 Of 1

PROJECT ID: 45001.1
REPORT TO COMPANY: EPI
PROJECT MANAGER: Eric Caddey
ADDRESS: 295 NE Gilman Blvd. Ste. 201, Issaquah, WA 98027
PHONE: 425-395-0010 FAX: 425-395-0011
P.O. #: E-MAIL: ericc@epi-wa.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. MW-1	7/12/13	1222	H_2O	1
2. MW-2		1315		2
3. MW-3		1338		3
4. TRIPBLANK-071213		—		4
5.				
6.				
7.				
8.				
9.				
10.				

ANALYSIS REQUESTED

SAMPLE I.D.	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify): Total Organic Carbon	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-1						X										X		
2. MW-2						X										X		
3. MW-3						X										X		
4. TRIPBLANK-071213						X												

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: _____ EPI
Received By: _____ ALS 7/15/13 1:30
2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: X 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER: Specify: _____

* Turnaround request less than standard may incur Rush Charges

October 31, 2013

Mr. Eric Caddey
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

Dear Mr. Caddey,

On October 17th, 3 samples were received by our laboratory and assigned our laboratory project number EV13100131. The project was identified as your 45001.1. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS JOB#:	EV13100131
		ALS SAMPLE#:	EV13100131-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	10/17/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	10/15/2013 4:15:00 PM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Vinyl Chloride	EPA-8260	**1.2**	0.20	1	UG/L	10/17/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/17/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**34**	2.0	1	UG/L	10/17/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Tetrachloroethylene	EPA-8260	**5.3**	2.0	1	UG/L	10/17/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	10/17/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100131 EV13100131-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	10/17/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	10/15/2013 4:15:00 PM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/17/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**14000**	500	1000	MG/L	10/28/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**131 GS1**	10/17/2013	GAP
4-Bromofluorobenzene	EPA-8260	**99.4**	10/17/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS JOB#:	EV13100131
		ALS SAMPLE#:	EV13100131-02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	10/17/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	10/15/2013 4:46:00 PM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Vinyl Chloride	EPA-8260	**0.55**	0.20	1	UG/L	10/17/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/17/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**5.8**	2.0	1	UG/L	10/17/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	10/17/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS JOB#:	EV13100131
		ALS SAMPLE#:	EV13100131-02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	10/17/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	10/15/2013 4:46:00 PM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/17/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/17/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**7500**	100	200	MG/L	10/28/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**146 GS1**	10/17/2013	GAP
4-Bromofluorobenzene	EPA-8260	**101**	10/17/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100131 EV13100131-03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	10/17/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	10/15/2013 5:35:00 PM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Chloromethane	EPA-8260	U	2.3	10	UG/L	10/22/2013	GAP
Vinyl Chloride	EPA-8260	U	0.31	10	UG/L	10/22/2013	GAP
Bromomethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Chloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Methylene Chloride	EPA-8260	U	6.8	10	UG/L	10/22/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**7.8**	2.0	10	UG/L	10/22/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Chloroform	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Trichloroethene	EPA-8260	**4.0**	2.0	10	UG/L	10/22/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Dibromomethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.10	10	UG/L	10/22/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Bromoform	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Bromobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS JOB#:	EV13100131
		ALS SAMPLE#:	EV13100131-03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	10/17/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	10/15/2013 5:35:00 PM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	10	UG/L	10/22/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	10	UG/L	10/22/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**9300**	100	200	MG/L	10/28/2013	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	**100**	10/22/2013	GAP
4-Bromofluorobenzene 10X Dilution	EPA-8260	**100**	10/22/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS SDG#:	EV13100131
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-101413W - Batch 7270 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	10/14/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/14/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Toluene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	10/14/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS SDG#:	EV13100131
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-101413W - Batch 7270 - Water by EPA-8260

1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/14/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/14/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

MB1-10/28/2013 - Batch R91892 - Water by SM5310C

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310C	U	0.50	1	MG/L	10/28/2013	CAS

U - Analyte analyzed for but not detected at level above reporting limit.

MB2-10/28/2013 - Batch R91892 - Water by SM5310C

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310C	U	0.50	1	MG/L	10/28/2013	CAS

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS SDG#:	EV13100131
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 7270 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	**112**			10/14/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	**112**	**0**		10/14/2013	GAP
Trichloroethene - BS	EPA-8260	**100**			10/14/2013	GAP
Trichloroethene - BSD	EPA-8260	**99.7**	**0**		10/14/2013	GAP
Toluene - BS	EPA-8260	**88.9**			10/14/2013	GAP
Toluene - BSD	EPA-8260	**89.0**	**0**		10/14/2013	GAP
Chlorobenzene - BS	EPA-8260	**85.6**			10/14/2013	GAP
Chlorobenzene - BSD	EPA-8260	**86.5**	**1**		10/14/2013	GAP

ALS Test Batch ID: R91892 - Water by SM5310C

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC) - BS	SM5310C	**90.1**			10/28/2013	CAS
Total Organic Carbon (TOC) - BS	SM5310C	**90.6**			10/28/2013	CAS

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	10/31/2013
		ALS SDG#:	EV13100131
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

MATRIX SPIKE RESULTS

ALS Test Batch ID: R91892 - Water

Parent Sample: **MW-1**

SPIKED COMPOUND	METHOD	PARENT SAMPLE RESULT	SPIKE ADDED	RESULT	RPD	%REC	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC) 1000X Dilution - MS	SM5310C	14000	25000	**39900**		**102**		10/28/2013	CAS

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1310013

Date 10/15/13 Page _____ Of _____

PROJECT ID: 45001.1
REPORT TO COMPANY: Environmental Partners Inc
PROJECT MANAGER: Eric Caddey
ADDRESS: 295 NE Gilman Blvd Suite 201
Issaquah WA 98027
PHONE: 425-395-0010 FAX:
P.O. #: E-MAIL: ericc@epi-wa.com
INVOICE TO COMPANY: epi
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify): Total Organic Carbon SM5310B							NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-1	10/15/13	1615	water	1						X										X								
2. MW-2	↓	1646	↓	2						X										X								
3. MW-3	↓	17:35	↓	3						X										X								
4.																												
5.																												
6.																												
7.																												
8.																												
9.																												
10.																												

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: EPI 10/17/13 1045
Received By: Shawn Robinson ALS 10/17/13 10:45
2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY
Fuels & Hydrocarbon Analysis: 5 Standard 3 1 SAME DAY
OTHER:
Specify: _____

around less t lard m Rush C

January 9, 2014

Mr. Eric Caddey
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

Dear Mr. Caddey,

On December 23rd, 4 samples were received by our laboratory and assigned our laboratory project number EV13120146. The project was identified as your 45001.1. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 9:04:00 AM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Vinyl Chloride	EPA-8260	**1.4**	0.20	1	UG/L	12/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**160**	20	10	UG/L	01/02/2014	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichloroethene	EPA-8260	**3.2**	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Tetrachloroethylene	EPA-8260	**5.1**	2.0	1	UG/L	12/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-01
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 9:04:00 AM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	12/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**4400**	50	100	MG/L	01/03/2014	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	**93.7**	01/02/2014	GAP
1,2-Dichloroethane-d4	EPA-8260	**105**	12/30/2013	GAP
4-Bromofluorobenzene 10X Dilution	EPA-8260	**110**	01/02/2014	GAP
4-Bromofluorobenzene	EPA-8260	**114**	12/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 9:37:00 AM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Vinyl Chloride	EPA-8260	**0.27**	0.20	1	UG/L	12/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**10**	2.0	1	UG/L	12/30/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-02
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 9:37:00 AM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	12/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**2800**	50	100	MG/L	01/03/2014	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**90.8**	12/30/2013	GAP
4-Bromofluorobenzene	EPA-8260	**114**	12/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/9/2014 EV13120146 EV13120146-03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 10:09:00 AM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	12/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**5.6**	2.0	1	UG/L	12/30/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-03
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 10:09:00 AM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	12/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Total Organic Carbon (TOC)	SM5310C	**2400**	50	100	MG/L	01/03/2014	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**88.2**	12/30/2013	GAP
4-Bromofluorobenzene	EPA-8260	**113**	12/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-04
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 10:30:00 AM
CLIENT SAMPLE ID	Trip Blank	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	12/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS JOB#:	EV13120146
		ALS SAMPLE#:	EV13120146-04
CLIENT CONTACT:	Eric Caddey	DATE RECEIVED:	12/23/2013
CLIENT PROJECT:	45001.1	COLLECTION DATE:	12/23/2013 10:30:00 AM
CLIENT SAMPLE ID	Trip Blank	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	12/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	88.4	12/30/2013	GAP
4-Bromofluorobenzene	EPA-8260	111	12/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

CLIENT CONTACT: Eric Caddey
CLIENT PROJECT: 45001.1

DATE: 1/9/2014
ALS SDG#: EV13120146
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-123013W - Batch 7510 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	12/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Toluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS SDG#:	EV13120146
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY BLANK RESULTS

MB-123013W - Batch 7510 - Water by EPA-8260

1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	12/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	12/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-132014 - Batch R92550 - Water by SM5310C

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	SM5310C	U	0.50	1	MG/L	01/03/2014	CAS

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 295 NE Gilman Blvd., Suite 201 Issaquah, WA 98027	DATE:	1/9/2014
		ALS SDG#:	EV13120146
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Eric Caddey		
CLIENT PROJECT:	45001.1		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 7510 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	114			12/30/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	111	2		12/30/2013	GAP
Trichloroethene - BS	EPA-8260	129			12/30/2013	GAP
Trichloroethene - BSD	EPA-8260	130	1		12/30/2013	GAP
Toluene - BS	EPA-8260	120			12/30/2013	GAP
Toluene - BSD	EPA-8260	120	0		12/30/2013	GAP
Chlorobenzene - BS	EPA-8260	123			12/30/2013	GAP
Chlorobenzene - BSD	EPA-8260	122	1		12/30/2013	GAP

ALS Test Batch ID: R92550 - Water by SM5310C

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC) - BS	SM5310C	88.4			01/03/2014	CAS

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain of Custody / Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV13120146

Date 12/23/13 Page 1 Of 1

PROJECT ID: 45001.1
REPORT TO COMPANY: EPI
PROJECT MANAGER: Eric Caddey
ADDRESS: 295 NE Gilman Blvd, Ste 201
Issaquah, WA 98027
PHONE: 425-395-0010 FAX: 425-395-0011
P.O. #: E-MAIL: eric@epi-wa.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify) TOC	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-1	12/23/13	0904	W	1						X										X	4	
2. MW-2		0937		2						X										X	4	
3. MW-3		1009		3						X										X	4	
4. TRIP BLANK		—		4						X											2	
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 12/23/13
Received By: ALS 12/23/13 2:30
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER: Specify:

* Turnaround request less than standard may incur Rush Charges