

Engineering & Surveying

REMEDIAL INVESTIGATION REPORT

Tidrick's Quality Transmission 1802 South 1st Street Yakima, Washington 98903

FS ID No. 543; CU ID No. 6497

May 26, 2015 PLSA Project No. 14006

Prepared for:

Washington State Department of Ecology 15 West Yakima Avenue, Suite 200 Yakima, WA 98902

Table of Contents

INTRODUCTION	1
1 PROPERTY LOCATION & DESCRIPTION	2
1.1 Site Location and Legal Description	2
1.1.1 Topography	2
1.1.2 Hydrology	2
1.1.3 Geology & Soil	2
2 SITE BACKGROUND	
3 PRIOR SITE INVESTIGATION	5
3.1 Soil Investigation	5
3.1.1 Sampling Deficiencies	5
3.1.2 Analysis Deficiencies	6
4 SCOPE OF CURRENT INVESTIGATION	
4.1 Conceptual Site Model	
4.2 Cleanup Levels	
4.3 Field Investigation and Sampling	
4.3.1 Soil	
4.3.2 Groundwater	9
4.3.3 Air	
5 ANALYTICAL RESULTS SUMMARY	
5.1 Soil	
5.2 Groundwater	
6 CONCLUSIONS	14
7 REFERENCES	1

INTRODUCTION

The objective of this Remedial Investigation (RI) is the evaluation of the nature and extent of contamination related to past land use practices and is based on evidence of chemical releases at the Tidrick's Quality Transmission Site. These practices were associated with automotive repair and service facilities and included the use of two drywells, one waste oil underground storage tank (UST), and two gasoline UST's.

1 PROPERTY LOCATION & DESCRIPTION

1.1 Site Location and Legal Description

Address: The subject property consists of a single tax parcel, located at 1802 South 1st Street Yakima, Washington, 98903. See Figure 1 for vicinity map.

Yakima County Tax Parcel's: 191331-11012

Latitude: 46° 34' 46 38.3988" N; **Longitude:** 120° 29' 32.0352" W

Legal Description: That portion of the Northwest ¹/₄ of the Northwest ¹/₄ of the Northeast ¹/₄ of the Northeast ¹/₄ of Section 31, Township 13 North, Range 19, E.W.M., described as follows: Beginning at the point of intersection of the South line of Mead Avenue and the Westerly line of State Road No. 3; thence Southeasterly along said Westerly line 300 feet; thence West parallel with the South line of Mead Avenue 249.2 feet; thence North 183.6 feet; thence West 1 foot; thence North to the South line of said Mead Avenue; thence East to the Point of Beginning.

1.1.1 Topography

The land surface on the property is nearly flat but was modified after demolition of building structures and the asphalt parking lot so that the average grade across the property is 1 to 2 feet below the adjacent intersection. Two commercial structures and a paved asphalt parking lot formerly existed on the property. Assessor records document that a building was constructed in 1935, presumably the main building, and the associated smaller building was built in 1940. In December 2013 and January 2014, the two buildings and the asphalt pavement were demolished and removed from the property. Previous to demolition, the land surface was generally level.

1.1.2 Hydrology

Groundwater - The Yakima Valley, being a part of the Columbia Basin Plateau, also contains several productive aquifers in the interbeds between the various basalt flows that make up the Columbia River Basalt Group. The average groundwater gradient of the various aquifers varies in direction and distance below ground surface, and with respect to irrigation seasons; but is generally toward the Yakima River which is located several miles southeast. Contamination plumes, should they exist in the groundwater, would likely migrate in that direction. Depth to groundwater in the unconfined aquifer is relatively shallow.

Surface Water - The Yakima River is located greater than a mile east of the property.

1.1.3 Geology & Soil

General and specific information regarding surface and subsurface conditions at the site are available from several sources. General soils data is given in the U.S. Soil Conservation Service (SCS) publication entitled Soil Survey of Yakima County Area, Washington. These sources present generally consistent findings regarding subsurface conditions. The site consists of up to a 3 foot thick surface layer of silty sand overlying a deep stratum of native sand and gravel that extends to groundwater that can be observed at a depth of 12 to 14 feet below the ground surface. The Unified Soil Classification System (USCS) of the native topsoil is GW.



2 SITE BACKGROUND

The following narrative is derived from records stored at the Washington State Department of Ecology (Ecology) and personal recollection of Brad Card, Senior Engineer for PLSA: From early 1960's to 1978 it was the location of the Al Lundgren Volkswagen/Porsche dealership. In 1979 it was the location of a Kubota tractor dealership. At the time of Ecology's first initial investigation, the site was identified as Carlos Motors, Inc., a used car dealership specializing in detailing older model cars.

On July 21, 1992, Ecology received a complaint of oil dumping on the site. Upon completing its preliminary investigation, Ecology concluded that a release had occurred and notified the property owner of a further action determination. Prior to the performance of a site hazard assessment, Carlos Motors was replaced by Tidrick's Quality Transmission as the business entity operating at this address. According to local telephone directories, Tidrick's Quality Transmission was listed at this address beginning about November 1993. Two drywells and three USTs existed on the property in conjunction with these businesses. The length of time the drywells and USTs were in use is unknown; however, the drywells were active for at least 20 years. The Site Hazard Assessment completed in 1994 yielded a site ranking of "1".

In May 1994, limited soil sampling performed during the site hazard assessment confirmed releases in the vicinity of the two drywells and the waste oil UST (Figure 2). In September of that year, Cayuse Environmental (Cayuse), an environmental consulting company hired by the former property owner, decommissioned the three USTs on the site. Cayuse also initiated an independent remedial action in association with the removal of one of the two drywells (south drywell) and the release from the waste oil UST. The interim action consisted of petroleum-contaminated soil removal.

In October and November 1994, the scope of the interim action was expanded in the areas surrounding the waste oil UST and the south drywell. The scope of work also included remedial action to address soil contamination in the north drywell. Approximately 700 tons of petroleum contaminated soils (PCS) were reported to have been removed and disposed at the former Rabanco landfill in Roosevelt. No receipts or other supporting documentation are known to exist to verify the removal and proper disposal of the PCS.

Ecology review of the remedial action report concluded that the site characterization was incomplete due to the lack of sufficient (characterization and confirmation) analysis for the type and nature of the known contamination. Analyses of the soil initially excavated in the vicinity of the waste oil UST and the north drywell exhibited concentrations of chlorinated solvents including tetrachloroethene (PCE) and trichloroethene (TCE) above Model Toxics Control Act (MTCA) Method "A" soil cleanup levels (CUL). Although soil had been over excavated in the vicinity of the waste oil UST and the two drywells, no analyses for chlorinated solvents were performed on the soil confirmational samples. Additionally, an undetermined quantity of PCS was reportedly left intact under the former garage/paint shop building (west building) during removal of the north drywell.

In March 2007, the site underwent a second Toxics Cleanup Program (TCP) initial investigation in conjunction with a Dangerous Waste Compliance inspection by the Hazardous Waste and Toxics Reduction Program. The joint investigations were prompted by visible evidence of improper storage and handling of generated waste streams. Numerous examples of releases to the ground were documented with photographic evidence that showed impact to the environment including conveyance to the stormwater drain. The business operating on the site at that time was Tidrick's Quality Transmission.

During the TCP initial investigation, limited soil sampling was performed in the shallow subsurface. Two grab samples were collected and analysis of both samples showed heavy oil and lead concentrations that exceeded their respective MTCA Method A soil cleanup levels.

3 PRIOR SITE INVESTIGATION

3.1 Soil Investigation

In September 1994, Cayuse performed a site assessment with the removal of three USTs and initiated the removal of contaminated soils from releases at the waste oil UST and the south drywell. In October and November of that year, Cayuse expanded the scope of work to assess the north drywell and to excavate contaminated soils from the waste oil UST area and the two drywells. No other remedial actions were conducted on the Site with the exclusion of the limited soil sampling during the second initial investigation by Ecology.

3.1.1 Sampling Deficiencies

The site assessment and interim soil removal action presented many deficiencies in site characterization and post-removal soil confirmational sampling.

3.1.1.1 Gasoline UST Removal

The two USTs located at the north portion of the site were listed as gasoline USTs but little or no detail is known concerning whether the tanks had contained other chemicals such as heating oil. Upon removal of these two tanks, Cayuse reported there were no obvious signs of release based on the appearance of the tanks. Three confirmational soil samples were obtained from each tank cavity, two from the sidewalls and one at the bottom of the excavation at a maximum depth of five feet below ground surface (bgs). The soil samples were analyzed for gasoline-range organics by WTPH-G and lead by EPA Method 6010. Based on these analyses there were no signs of gasoline releases from the USTs; however, the required UST site assessment testing should have routinely included analysis for volatile organic compounds (benzene, ethylbenzene, toluene, and xylenes or BTEX).

3.1.1.2 Fuel Distribution Lines

The report did not describe any removal of piping system or associated dispensers. The report also did not document investigation of the fuel distribution piping system associated with both gasoline USTs. According to the *Guidance on Site Checks and Site Assessments for Underground Storage Tanks* (February 1991), soil samples should have been obtained to assess the dispenser and piping areas for all required analyses.

3.1.1.3 Waste Oil UST

The initial soil samples obtained from the waste oil UST area and two drywells were analyzed by WTPH-418.1. The shortcoming of this analytical method is that it does not identify the type of petroleum hydrocarbon in the sample but yields only a total recoverable petroleum hydrocarbon value. Analyses should have been performed to identify the specific types of petroleum hydrocarbons potentially present in the waste oil mixture or possibly disposed through the drywell system. The confirmational samples are compliant for petroleum hydrocarbons if the contamination was diesel-range or heavy oil-range hydrocarbons. If gasoline-range organics were present, the confirmational samples were not in compliance. The appropriate analyses would have included WTPH-HCID and where petroleum hydrocarbons were identified as present, quantified through WTPH-Gx or WTPH-Dx, respectively. The soil excavation depths for cleanup at each of the drywells and the waste oil UST area should have been dictated by the type and nature of the contamination.

3.1.2 Analysis Deficiencies

3.1.2.1 Chlorinated Solvents and other Volatile Organic Compounds

The site characterization in 1994 was inadequate since the required testing was not performed or only a portion of the analytical results were reported to Ecology. A limited number of initial soil samples from the waste oil UST area and the south drywell area were analyzed by EPA Method 8260 but the laboratory report only shows the analysis as a chlorinated solvent scan and does not list detections or concentrations of benzene, toluene, ethylbenzene, or xylenes as constituents that were assessed. The samples from these two areas should have been screened for BTEX with the analytical results listed in the laboratory report. Detections of these constituents would have yielded information potentially indicative of a release containing fresh or less weathered gasoline to supplement hydrocarbon identification analysis if it had been conducted.

Other appropriate soil analysis should have included EPA Method 8270 to assess semi-volatile organics including such possible contaminants as naphthalene and carcinogenic polyaromatic hydrocarbons (cPAHs). Only one sample from the waste oil UST (#9422-09) and one sample from the south drywell (9422-12) were assessed via Method 8270. Analysis of both samples showed values of naphthalene near the compliance level for protection of groundwater for drinking water purposes; however, the values were flagged as estimates.

Soil samples taken from the north drywell area were only analyzed for petroleum hydrocarbons by WTPH-418.1 Modified. Other analytical methods to screen for potential constituents in a waste mixture were not performed on these samples. According to the notes associated with MTCA Table 830-1, the waste oil category applies to unknown petroleum products and mixtures of petroleum and nonpetroleum substances. As such, testing is required in a sufficient number of samples to determine whether a possibly associated chemical is present at concentrations of concern.

In 2007, an additional but very limited investigation was performed to assess surface contamination due to poor business housekeeping practices associated with the historical land use. Two grab samples of soil were collected from the shallow subsurface at a depth of three to six inches bgs. One soil sample was collected near the south fence line in the vicinity of the southwest corner of the property. This sample exhibited a concentration of lube oil at 2,200 mg/kg. Analysis for chlorinated solvents was also conducted but the results were reported as estimates or as non-detections. Metals analyses were not performed on this sample. The other grab sample of soil is described in the next section (Metals).

The confirmational analyses for the areas where soil was removed also did not account for chlorinated solvents and possibly other contaminants although the initial sampling showed concentrations of several chlorinated solvents in soil above Method A compliance levels. Subsequent analysis for chlorinated solvents following soil removal was not conducted nor were required screening analyses under MTCA Table 830-1 performed. Analyses including EPA Method 8260 and 8270 will be performed to screen for possible constituents that have the potential to migrate due to high solubility.

3.1.2.2 Metals

The initial soil samples obtained from the waste oil UST as well as two samples from the south drywell were analyzed for metals; however, the soil samples were prepared by a leaching method typically used with waste profiling for disposal purposes. The laboratory analytical sheets indicated that EPA Method 1311 (TCLP) was used prior to analysis of the samples by EPA Method 6010. MTCA does allow for the derivation of soil concentrations protective of groundwater based on a leaching test. Per WAC 173-340-747(7), these analytical results are appropriate when determining

the leachability of contaminants from a soil sample and to evaluate the soil leaching to groundwater pathway. For the soil concentrations to be protective of groundwater, the leaching test effluent concentrations shall be less than or equal to ten (10) times the applicable groundwater cleanup level established under WAC 173-3470-720. The analytical results showed that three of the soil samples failed the leaching test (Sample Nos. 9422-7, 9422-8 and 9422-12) for lead.

The direct contact exposure pathway should also have been evaluated at that time by performing EPA Method 6000 or 7000 series to determine contaminant concentrations in comparison to MTCA Method A or Method B CUL. Assessment of the direct contact exposure pathway would not include EPA Method 1311 as a sample preparatory method prior to analysis.

During the limited site investigation in 2007, only one of the two grab samples of soil was analyzed for metals along with NWTPH-Dx. Analytical results showed that the sample obtained along the east wall near the southeast corner of the garage/paint shop (west building) had exceedances of lead (480 mg/kg) and lube oil (6,300 mg/kg).

In any event, the soil sampling for characterization and cleanup confirmational sampling were insufficient to determine if the soil concentrations were protective of human health for either of the two applicable exposure pathways for metals. Consequently, confirmational sampling and analysis for metals is required at the following areas: near the former waste oil UST, the north and south drywells, and the area where the PCS was left intact under the building.

4 SCOPE OF CURRENT INVESTIGATION

4.1 Conceptual Site Model

All structures and paving were removed from the site prior to this investigation. To identify areas of the site that had the highest probability of the presence of residual contamination, PLSA reviewed sketches and narratives from previous investigations, and mapped past remedial activities on an aerial photograph of the site where structures and other benchmarks were visible. Soil sampling locations and depths are illustrated in Figure 2. Once sampling locations were identified, PLSA surveyors staked the locations in the field.

A similar methodology was used to assess and locate appropriate locations to install groundwater monitoring wells. Figure 3 shows the location of three monitoring wells relative to former site features and provides specific horizontal and vertical data for each well. Groundwater from the wells was sampled on June 6, 2014 when groundwater flow would potentially be affected by recharge from regional irrigation and then sampled again on November 20, 2014 well after regional irrigation practices had been suspended.

The investigation described above was established to address data gaps in the previous investigation. Based on previous investigation elements deemed reliable, current field observations, field screening, and analytical data, PLSA developed a revised Conceptual Site Model (CSM).

4.2 Cleanup Levels

Typically, the appropriate cleanup levels for a site are determined by the nature and extent of contamination which includes fate and transport of the contaminants, media impacted, and exposure pathways. Soil and groundwater samples at this site were generally evaluated using Method A cleanup levels for unrestricted land use. The Method A cleanup levels for many contaminants is generally established on protection of groundwater for drinking water uses. Consequently, the Method A cleanup levels for many contaminants tend to be more stringent than cleanup levels based solely on the direct contact exposure pathway.

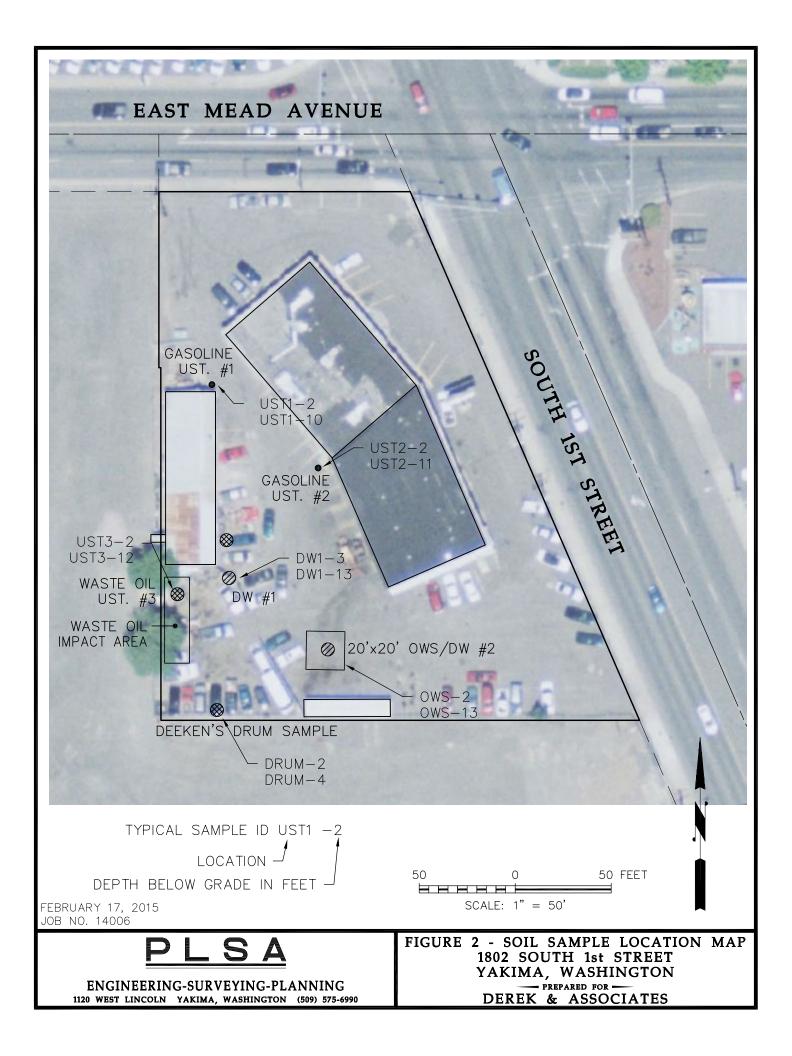
4.3 Field Investigation and Sampling

The site characterization consisted of soil sampling at six test pit locations (two soil samples taken from each location at varying depths) and groundwater sampling while groundwater flow was influenced by regional irrigation and again after regional irrigation was suspended for several weeks. In lieu of extensive soil sampling, installation of groundwater monitoring wells and limited soil sampling was approved to assess the site for current contamination. See Appendix "B" for a copy of Remedial Action Plan.

4.3.1 Soil

Soil was sampled July 8, 2014, at 6 key locations on the site. See Figure 2. Table 1 below summarizes sample descriptions, sample identification, and sample depth below the existing ground surface (bgs). An open pit was excavated at each of the mapped locations. Soil logs can be found in Appendix "A". Soil was sampled at two depths in each excavation; one below but near the surface and the second at significant depth near the anticipated high groundwater depth.

Soil samples were analyzed for BTEX, Ethylene Dibromide (EDB), 1, 2-Dichloroethane (EDC), MTBE, Carcinogenic Polycyclic Aromatic Hydrocarbons, Naphthalene's, PCB's, Halogenated



Volatile Organic Compounds, Cadmium, Chromium, Nickel, and Zinc. Tables 2A thru 2B found in the following pages summarize the analytical results.

Cayuse Environmental reported that petroleum contaminated soil was left in place near the south end of the west building; however the Cayuse report contained several inconsistencies and was deficient in site characterization.

During the current field investigation PLSA did not find visual, olfactory or other field evidence of remaining petroleum contamination. Soil observed, throughout the entire depth of each excavation, was free of discoloration and odor. Field screening, during the investigation, with a PID did not identify petroleum contamination in any of the locations investigated.

4.3.2 Groundwater

Three monitoring wells were installed by air rotary drilling. Locations of the monitoring wells are indicated on the site diagram (See Figure 3) and are based, in part, on the former source areas. The up-gradient well is located at the northwest corner of the property and down gradient wells were located near the location of suspected releases, at the south end of the site. The up-gradient well was installed to assess potential off-site contribution of chlorinated solvents and associated daughter products.

4.3.2.1 Well Construction

Construction and specifications of the monitoring wells followed the requirements as stated in Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Wells) and the commonly accepted industry standards for installation of wells that produce representative groundwater samples. The well casing consists of 2-inch diameter Schedule 40 polyvinyl chloride (PVC). The screen consists of a five foot section having 10 slot (0.010 inch) openings flush threaded with riser. The filter pack consists of 10/20 silica sand deposited from the bottom of the screen to one foot above the top of the screen. The remainder of the annulus space is filled with 3/8 inch bentonite chips to the bottom of a steel casing that has a flush-mounted well monument set in a finished concrete base.

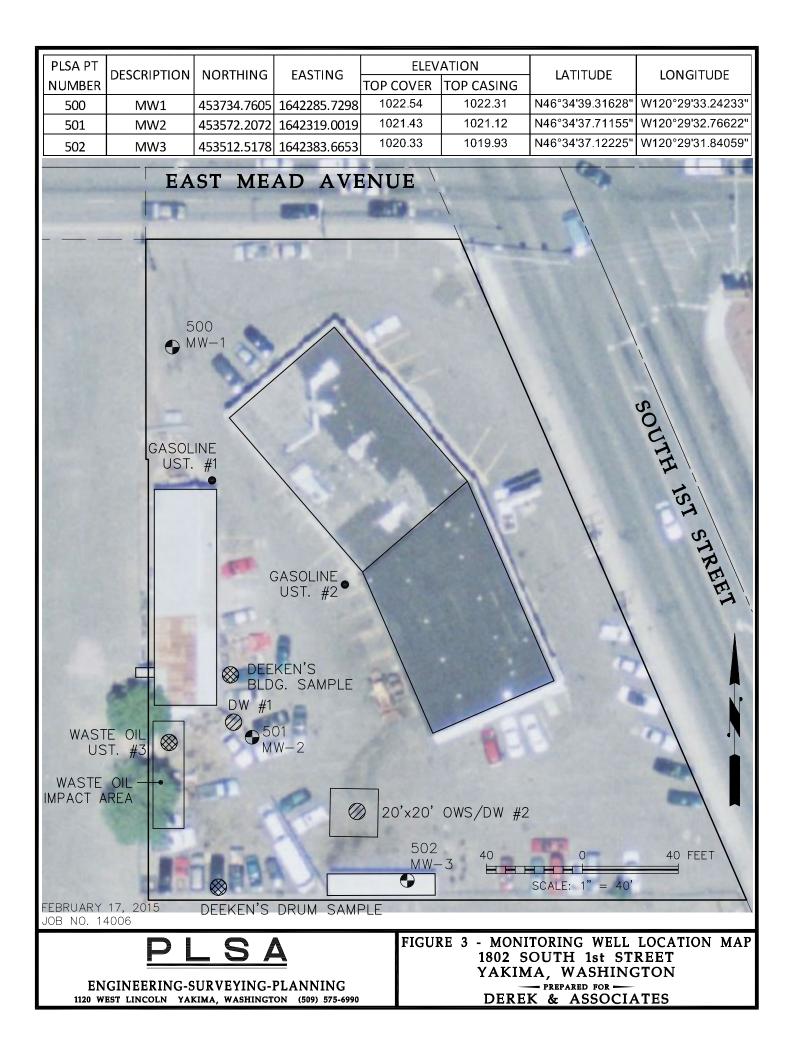
The project schedule for monitoring well compliance sampling was based on the completion of well development. The wells were developed by surge block and pumping until the fines had dissipated (water is clear). Well construction was monitored continuously by engineers from PLSA. Soil samples were not obtained due to the gravelly/cobbly nature of the substrate resulting from the air rotary drilling process. There were no visual or olfactory indications of contamination noted during the construction process. Drill cuttings did not display unusual odor or discoloration.

4.3.2.2 Groundwater (General Hydrology)

Depth to groundwater in the area is variable depending on the information source: Measured depth to groundwater in the three monitoring wells ranged from 14 to 15.5 feet below the ground surface (bgs). Based on the Yakima Railroad Area study, the groundwater fluctuation may be as much as two feet between low and high water. The same study shows groundwater in the shallow aquifer generally flows easterly or southeasterly, which was confirmed by our calculations.

4.3.2.3 Survey of Monitoring Well Location and Elevation

All monitoring wells were surveyed by PLSA, a licensed surveying firm. The horizontal locations of monitoring wells are measured to within 0.1 foot. See Figure 3 for "Monitoring Well Location Map". Monitoring well elevation measurements were measured to a reference point marked at the top of the PVC well casing to the nearest 0.01 foot relative to the North American Vertical Datum of 1988



(NAVD88). Water levels are measured to within 0.01 foot from this reference point on the casing. Horizontal datum conforms to the North American Datum of 1983, updated in 1991 (NAD83 (1991)).

4.3.2.4 Monitoring Well Sampling & Analysis

Groundwater was found at approximately 15 feet bgs. Groundwater static level was measured and recorded and groundwater samples were collected for the required analyses. The entire suite of analyses for waste oil was performed on these samples to determine if impact had occurred.

Initially, groundwater sampling of the monitoring wells was to conform to the guidelines set forth in the *Guidance on Remediation of Petroleum Contaminated Sites* where the initial groundwater sampling results dictate the required frequency of sampling (Stage 1, 2 or 3). However, since this site exists within the Yakima Railroad Area, provision was allowed for deviation from the guidance with regard to frequency of groundwater sampling and with focus on the source and downgradient wells.

Prior to sampling, the field personnel coordinated with the laboratory to ensure sampling protocols including recommended sample volume, holding times, and proper storage.

Groundwater elevation measurements were recorded from each well prior to sampling. The groundwater levels were measured to within 0.01 foot from the reference point on the casing. Based on groundwater elevations and surveyed coordinates of the wells groundwater flow was calculated to be south-southeast. Flow direction did not change appreciably from the influence to groundwater recharge from irrigation.

Groundwater was collected using a low-flow submersible pump and was unfiltered as recommended, to facilitate analysis for organic compounds. Samples were observed to be clear and had no discernable turbidity. The samples were odorless and exhibited no other evidence of contamination.

Per the work plan, groundwater samples were to be collected and analyzed for the following: petroleum hydrocarbons, volatile petroleum compounds (BTEX), fuel additives and blending compounds (MTBE, EDB, EDC), carcinogenic PAHs, naphthalene, metals (cadmium, chromium, nickel, zinc, and lead), PCBs, and halogenated VOCs.

Groundwater samples analyzed for petroleum hydrocarbons were initially analyzed with NWTPH-HCID, and then quantified by NWTPH-Gx, NWTPH-Dx as necessary. Although, NWTPH-HCID is a qualitative and semi-quantitative procedure the Department of Ecology Publication ECY 97-602 <u>Analytical Methods for Petroleum Hydrocarbons</u> states that "it can be used to eliminate the need for further analysis for those samples which demonstrate TPH levels significantly below regulatory limits". Analytical results may be found in **Appendix C.**

4.3.2.5 Hydraulic Gradient

Groundwater depths at the wells were measured, prior to purging and sampling, for the determination of the direction of groundwater flow. Measurements were made in June during peak potential for groundwater to be influenced by seasonal irrigation and again in late November well after irrigation systems had been turned off. Calculations showed that in both cases flow was consistently to the south-southeast. In June 2014 groundwater flow direction was calculated to be on a bearing of 174 degrees at an average elevation of 1006.79 feet above mean sea level (MSL). In November the direction of flow was calculated to be 170 degrees at an average depth of 1007.01. Groundwater flow did not show significant deviation due to recharge from seasonal irrigation.

4.3.2.6 Management of Investigative Wastes

Regulated investigation derived wastes (IDW) such as soil cuttings generated during drilling and sampling activities were containerized in 55-gallon, US Department of Transportation (DOT)

approved drums. Decontamination water and purge water from the groundwater monitoring wells was stored in the same 55-gallon DOT-approved drums. Subsequent groundwater analytical results found that groundwater removed from wells contained concentrations of PCE that exceed permissible levels for on-site disposal. PLSA will coordinate IDW disposal and provide supporting documentation of appropriate disposal within 90 days of acceptance of the R.I. Report.

4.3.2.7 Groundwater Monitoring Well Decommissioning

The groundwater monitoring wells will be decommissioned per Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Wells) <u>only</u> after receiving written approval from Ecology

4.3.3 Air

Several organic chemicals were detected in the groundwater samples obtained for the monitoring wells. The dissolved concentration of these chemicals is one criterion on whether these chemicals pose a concern for vapor intrusion. The concentrations of tetrachloroethene (PCE) quantified in the groundwater samples were within vapor intrusion screening levels since the groundwater screening level for tetrachloroethene is $22.9 \ \mu g/L$. Although the concentration of Cis-1,2-Dichloroethylene in groundwater was quantified, this chemical was removed from the vapor intrusion screening list because there are no toxicity values as part of the Cleanup Levels and Risk Calculations (CLARC) under the Model Toxics Control Act.

Chloroform was also detected. Chloroform is widespread throughout the Yakima Railroad Area (YRRA). However, the source of the chloroform is unknown. Chloroform is known to be a disinfection by-product commonly produced during chlorination of water supplies and wastewater (Ivahnenko and Zororski, 2006).

Although Cis-1,2-Dichloroethylene and chloroform may present a potential vapor intrusion hazard, the evaluation of these chemicals is beyond the scope of this investigation.

5 ANALYTICAL RESULTS SUMMARY

5.1 Soil

Analytical results for analytes with concentration exceeding MTCA Method "A" level are limited to total chromium. Results are summarized in Tables 2A - 2D on the following pages. Complete Laboratory Analytical Results may be found in Appendix D.

Chromium concentrations exceed the MCTA Method "A" cleanup level of 19 mg/kg for hexavalent chromium. Follow up analysis to determine chromium speciation was not performed to identify if any of the concentration of the total chromium is hexavalent chromium. For comparison, Method "B" cleanup levels are shown. Table 3 lists Method "B" CUL.

	Chromium III	Chromium VI
Exposure Type	Method "B" Soil Clean Limit (mg/kg)	Method "B" Soil Clean Limit (mg/kg)
Ingestion Only	120,000	240
Ingestion +Dermal	45,000	128

Table 3: Method B CUL for Chromium.

The reported concentrations of total chromium, found in the soil samples, are below the MTCA Method "B" soil cleanup level for either form of chromium; however, these values are applicable to non-carcinogenic effects. Information for carcinogenic effects was not available.

Given that some of the soil samples were obtained from what is considered fill material, e.g., near the former gasoline UST areas, then it is reasonable to assume the values for total chromium are representative of chromium III. As reported in the Ecology publication, "Natural Background Soil Metals Concentrations in Washington State", the concentration of chromium in the soil samples is approximately one-half of the background concentration (38 mg/kg) for Yakima. These multiple lines of evidence suggest that hexavalent chromium is not a chemical of concern at this site. However, only additional chemical analysis will conclusively show that hexavalent chromium is not present as explained in the footnotes to Table 740-1 (Method A Soil Cleanup Levels for Unrestricted Land Uses), Model Toxics Control Act.

For the carcinogenic polyaromatic hydrocarbons (cPAHs), the total toxicity equivalence (TTEC) concentration was calculated to obtain the equivalent concentration of benzo(a)pyrene. The soil sample showing the highest concentrations of cPAHs was used to calculate the TTEC. The result demonstrates that the soil concentration of cPAHs is within the regulatory compliance levels for MTCA. See Appendix E for calculations.

Analytical results, field screening, and field observations did not indicate the presence of other soil contaminants above regulatory levels.

			Total Pe	al Petroleum Hydrocarbons	carbons	٨	Volatile Petroleum Hydrocarbons	m Hydrocarbo	ns	
	Depth							Ethyl-		Total
Sample ID.	(ft.)	Sample Date	TPH-GRO	TPH-DRO	TPH-HRO	Benzene	Touene	benzene	Total Xylenes	Naphthalene
OWS-2	2	7/8/2014		-		DN	DN	ND	DN	ND
OWS-13	13	7/8/2014	-	1		DN	DN	ND	ND	ND
UST1-2	2	7/8/2014	-	1		DN	DN	ND	ND	ND
UST1-10	10	7/8/2014	-	-		DN	DN	ND	DN	ND
UST2-2	2	7/8/2014	-	1		DN	DN	ND	ND	ND
UST2-11	11	7/8/2014	-	1		DN	DN	ND	ND	ND
UST3-2	2	7/8/2014	-	-		DN	0.0333	ND	0.032	0.0389
UST3-12	12	7/8/2014	-	1		DN	DN	ND	ND	ND
DRUM-2	2	7/8/2014	-	-		DN	DN	ND	ND	ND
DRUM-14	14	7/8/2014	-	1		DN	DN	ND	ND	ND
DWI-3	3	7/8/2014	-	1		DN	DN	ND	ND	ND
DWI-13	13	7/8/2014	1	1	1	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels	hod A Clear	nup Levels	30/100	2,000	2,000	0.03	7	6	6	5
Anal	Analytical Method	por	NWTPH-Gx	NWTPH-Dx	XD-Hc		EPA 8	EPA 8260B		EPA 8270D

Table 2A Soil Analytical Result Summary Tidrick's

1802 South 1st Street

Yakima Washington

All data and CUL reported in mg/kg

GRO = Gasoline Range Oraganics DRO = Diesel Range Organics HRO = Heavy Oil Range Organics GRO MTCA Method A cleanup levels are 30 mg/kg if benzene is present and 100mg/kg if benzene is not present. (-)= No Analysis Performed ND = Not Detected

Table 2B Soil Analytical Results Summary Tidrick's 1802 South 1st Street Yakima Washington

						Chlo	Chloronated Compounds:	nds:			
Sample ID.	Depth (ft.)	Sample Date	Tetrachloro- ethene	Trichloro- ethene	1,1,1-trichloro- ethane	Methylene chloride	Vinyl chloride	Chloroform	Cis-1,2-dichloro thene	Acetone	Trans-1,2- dichloro- ethene
OWS-2	2	7/8/2014	0.0130	ND	ND	DN	DN	ND	DN	ND	ND
OWS-13	13	7/8/2014	0.0156	ND	ND	DN	DN	DN	ΠN	ND	ND
UST1-2	2	7/8/2014	DN	ND	ND	DN	DN	DN	DN	ND	ND
UST1-10	10	7/8/2014	DN	ND	ND	DN	DN	DN	ΠN	ND	ND
UST2-2	2	7/8/2014	0.00647	ND	ND	DN	DN	DN	ΠN	ND	ND
UST2-11	11	7/8/2014	0.00567	ND	DN	DN	DN	DN	ΠN	ND	ND
UST3-2	2	7/8/2014	0.0427	ND	ND	ND	ND	DN	ND	ND	ND
UST3-12	12	7/8/2014	0.00783	ND	ND	DN	DN	DN	ΠN	ND	ND
DRUM-2	2	7/8/2014	0.0104	ND	ND	DN	DN	ΠN	ΠN	ND	ND
DRUM-14	14	7/8/2014	DN	ND	ND	DN	DN	ΠN	ΠN	ND	ND
DWI-3	3	7/8/2014	0.00574	ND	DN	DN	DN	DN	ΠN	ND	ND
DWI-13	13	7/8/2014	0.00674	ND	ND	ND	ND	DN	ND	ND	ND
MTCA Me	MTCA Method A Cleanup Levels:	up Levels:	0.05	0.03	2	0.02	1	1	1		
An	Analytical Method	pc					EPA 8260B				

All data and CUL reported in mg/kg

Soil Analytical Results Summary 1802 South 1st Street Yakima Washington Tidrick's Table 2C

	Chromium	21.7	17	14.7	17.5	18.9	21	21	19.1	20.6	16.1	19.9	20	19/2,000	
	Lead	123	3.31	3.51	16.7	5.01	3.16	153	19.2	5.67	25.8	4.97	49.3	250	
Metals	Nickel	21.6	13.9	13.4	14.2	17.6	16.1	18.6	17.4	19.2	14.1	17.2	18.7		EPA 8260B
	Zinc	151	48.6	49.6	45.4	68	52.6	138	56	72	62	62.2	68.7	ı	
	Cadmium	0.8900	ND	ND	DN	ND	ND	0.5950	ND	DN	ND	ND	ND	2	
	Sample Date	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	7/8/2014	Levels:	
	Depth (ft.)	2	13	2	10	2	11	2	12	2	14	3	13	MTCA Method A Cleanup Levels:	Analytical Method
	Sample ID.	OWS-2	OWS-13	UST1-2	UST1-10	UST2-2	UST2-11	UST3-2	UST3-12	DRUM-2	DRUM-14	DWI-3	DWI-13	MTCA Me	An

Chromium MTCA Method A CUL = 19 mg/kg if Chromium VI, if Chromium III CUL is 2,000 mg/kg See Table 3 for Method B CUL Values. All data and CUL reported in mg/kg

Table 2D Soil Analytical Results Summary Tidrick's 1802 South 1st Street Yakima Washington

					Carcino	Carcinogenic Polyaromatic Hydrocarbons (cPAHs)	ic Hydrocarbons	(cPAHs)			
Sample ID.	Depth (ft.)	Sample Date	Benzo(a) pyrene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno (1,2,3cd) pyrene	Total cPAHs	Total Polychlorinated biphenyl (PCB)
OWS-2	2	7/8/2014	ND	0.0186	0.0122	ND	ND	ΔN	0.0124	0.0432	ND
OWS-13	13	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
UST1-2	2	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
UST1-10	10	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
UST2-2	2	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
UST2-11	11	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
UST3-2	2	7/8/2014	DN	0.0237	ND	ND	0.0106	ND	ND	0.0343	ND
UST3-12	12	7/8/2014	DN	DN	DN	DN	0.0112	DN	ND	0.0112	ND
DRUM-2	2	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
DRUM-14	14	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
DWI-3	3	7/8/2014	DN	DN	DN	DN	DN	DN	ND	ND	ND
DWI-13	13	7/8/2014	ND	0.0139	ND	ND	ND	ND	ND	0.0139	ND
MTCA Me	MTCA Method A Cleanup Levels:	up Levels:				See Total cPAHs				0.1	1
An	Analytical Method	pc				EPA 8270D					EPA 8082

All data and CUL reported in mg/kg

5.2 Groundwater

Based on the recommended analytical procedure (See 5.3.2.4), NWTPH-HCID was used to substantiate or eliminate the need for further analysis. Petroleum hydrocarbons were not detected in any of the groundwater samples. No further analysis for petroleum hydrocarbons is warranted. No other contaminants of concern were found to exceed MTCA Method "A" Values for groundwater.

Tables 4A thru 4D on the following pages summarize the groundwater analytical results. Complete Laboratory Analytical Results may be found in Appendix D.

Grounwater Analytical Result Summary Tidrick's Table 4A

1802 South 1st Street

Yakima Washington

				Total Petr	Total Petroleum Hydrocarbons	ocarbons.	Volat	ile Petroleu	Volatile Petroleum Hydrocarbons	oons	
Well ID./Date	тос (ft.)	DTW (ft.)	GWE (ft.)	WATPH- HCID GASOLINE	WATPH- HCID DIESEL	WATPH- HCID LUBE OIL	Benzene	Touene	Ethyl- benzene	Total Xylenes	Total Naphth- alene
MW-1											
6/23/2014	1022.31	15.15	1007.16	1	:		:	ND	ΠN	ND	ND
11/20/2015	1022.31	14.95	1007.36	1	-		1	1	-	:	:
MW-2											
6/23/2014	1021.12	14.46	1006.66	1	:		ND	ND	ΠN	ND	ND
11/20/2014	1021.12	14.22	1006.90	< 250	< 630	< 630	ND	ND	DN	ND	ND
MW-3											
6/23/2014	1019.93	13.40	1006.53	1	1		ND	ND	ΠN	DN	ND
11/20/2014	1019.93	13.15	1006.78	< 250	< 630	< 630	ND	ND	ND	ND	ND
MTC	CA Method A	MTCA Method A Cleanup Lev	vels	800/1,000	500	500	5	1,000	700	1,000	160
	Analytical Method	Method		NWTPH-Gx	ITWN	NWTPH-Dx		EPA 8	EPA 8260B		8270C

All data and CUL reported in µg/L GRO MTCA Method A cleanup levels are 800 µg/kg if benzene is present and 1,000 µg/kg if benzene is not present. (-)= No Analysis Performed ND = Not Detected

Groundwater Analytical Results Summary Tidrick's 1802 South 1st Street Table 4B

Yakima Washington

ī

							Chlor	Chloronated Compounds:	inds:			
Well ID./Date TOC (ft.)	TOC (ft.)	DTW (ft.)	GWE (ft.)	Trichloro- ethene (PCE) ethene (TCE	Tetrachloro- Ethene (PCE) ethene (TCE)	1,1,1- trichloro- ethane (1,1,1-TCA)	Methylene chloride	Vinyl chloride Chloroform	Chloroform	Cis-1,2- dichloro- ethene	Acetone	Trans-1,2- dichloro- ethene
MW-1												
6/23/2014	1022.31	15.15	1007.16	1.02	DN	DN	ND	DN	2.70	ND	ND	ND
11/20/2014	1022.31	14.95	1007.36	-	-	-	-	-	-	:	-	I
MW-2												
6/23/2014	1021.12	14.46	1006.66	2.00	DN	DN	DN	DN	2.74	ND	ND	ND
11/20/2014	1021.12	14.22	1006.90	2.46	DN	DN	ND	DN	3.00	1.10	ND	ND
MW-3												
6/23/2014	1019.93	13.40	1006.53	1.73	DN	ND	ND	ND	2.57	DN	ND	ND
11/20/2014	1019.93	13.15	1006.78	2.23	ND	ND	ND	ND	2.79	ND	ND	ND
V	ITCA Method A	MTCA Method A Cleanup Levels:	;;	5	5	200	5	0.2		•		
	Analytical Method	Method			,			EPA 8260B				

All data and CUL reported in µg/L

Groundwater Analytical Results Summary Tidrick's Table 4C

1802 South 1st Street Yakima Washington

						Metals		
Well ID./Date	TOC (ft.)	DTW (ft.)	GWE	Cadmium	Zinc	Nickel	Lead	Chromium
MW-1								
6/23/2014	1022.31	15.15	1007.16	DN	ND	ΠN	ND	DN
11/20/2014	1022.31	14.95	1007.36	-				-
MW-2								
6/23/2014	1021.12	14.46	1006.66	DN	ND	DN	ND	ND
11/20/2014	1021.12	14.22	1006.90	-	-			1
MW-3								
6/23/2014	1019.93	13.40	1006.53	DN	1.16	1.53	ND	ND
11/20/2014	1019.93	13.15	1006.78	1	-	-	-	1
4	MTCA Method A Cleanup Levels:	leanup Levels:		5	-	-	15	50
	Analytical Method	Method				EPA 6020A		

All data and CUL reported in µg/L

Table 4D

Groundwater Analytical Results Summary Tidrick's

1802 South 1st Street Yakima Washington

						Carcinoge	Carcinogenic Polyaromatic Hydrocarbons (cPAHs)	ic Hydrocarbo	ns (cPAHs)			
Well ID./Date	TOC (ft.) DTW (ft.) GWE (ft.)	DTW (ft.)	GWE (ft.)	Benzo(a) pyrene	Benzo(a) anthracene	Benzo(a) Benzo(b) Benzo(k) anthracene fluor anthene	Benzo(k) fluor anthene	Chrysene	Dibenzo(a,h) anthracene	Indeno (1,2,3cd) pyrene	Total cPAHs	Total Polychlorinated biphenyl (PCB)
MW-1												
6/23/2014	1022.31	15.15	1007.16	ND	ΠN	DN	ΠN	ND	DN	ΠD	ΠN	ΠN
11/20/2014	1022.31	14.95	1007.36		1	'	'	Ţ	'	ı	1	'
MW-2												
6/23/2014	1021.12	14.46	1006.66	ND	ΠN	DN	ΠN	DN	DN	ΠD	ΠN	ΠD
11/20/2014	1021.12	14.22	1006.90	I	-	'	-	-	-	ı	-	
MW-3												
6/23/2014	1019.93	13.40	1006.53	ND	ΠN	DN	ΠN	ND	DN	ΠD	ΠN	ΠN
11/20/2014	1019.93	13.15	1006.78	I	I	'	-	I	-	I	1	I
MTCA	MTCA Method A Cleanup Levels:	eanup Leve	els:				See Total cPAHs				0.1	1
	Analytical Method	1ethod					EPA 8270C SIM					EPA 8082

All data and CUL reported in µg/L

6 CONCLUSIONS

This investigation was performed by the PLP's agent, PLSA, to be consistent with the work plan. Soil and groundwater was sampled at locations with the high likelihood of residual contamination from past activities. Analytical results identified chromium concentrations in the soil that exceeded Method "A" values; however were well below Method "B" values and also below documented background concentrations for the area. Chromium was not found in the groundwater, demonstrating that the soil leaching to groundwater pathway is incomplete.

The Tidrick site resides within the Yakima Railroad Service Area (YRRA) which includes approximately 6 square miles known to have groundwater impacted by concentrations of tetrachloroethylene (PCE) exceeding MTCA method "A" CUL. PCE concentrations found in groundwater samples on the Tidrick site are below Method "A" CUL and were observed to be consistently present in all three wells, including the up gradient well. Offsite contribution appears to be occurring based on the groundwater concentrations observed in the upgradient well. This investigation did not yield evidence of current contamination although past contribution of contaminants to the environment from onsite activities was indicated by evidence from previous investigations.

7 REFERENCES

State of Washington Department of Ecology, *Guidance for Remediation of Petroleum Contaminated Sites*, Publication No. 10-09-057, September 2011.

State of Washington Department of Ecology, *Analytical Methods for Petroleum Hydrocarbons*, Publication No. ECY 97-602, June 1997.

State of Washington Department of Ecology, *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, Draft* Publication No. 09-09-047, October 2009.

(Ivahnenko and Zoroski, 2006, Sources and Occurrence of Chloroform and Other Trihalomethanes in Drinking-Water Supply Wells in the United States, 1986-2001. USGS Scientific Investigations Report 2006-5015,)

APPENDIX "A" Test Pit Soil Logs & Photographs

EXCAVATION LOG NO.: TP1

By: SDG Project No.: 14006 Location: Gasoline UST #2 Surface Conditions: Weedy Gravel

Depth (ft)	Moisture Content %	Unit Weight	Sample	UCS Symbol	Desription	Remarks
1				SM	Silty Sand	Dry
2			*			
3						
4						
5						
6				GW	Sand & Gravel	Dry
7						
8						
9						
10						Moist at 10 ft.
11			*		Excavation Terminated at 11 ft. Due to Caving	110 <i>isi ui</i> 10 <i>ji</i> .
12						
13						
14						
15						
16						

EXCAVATION LOG NO.: TP2

By: SDG Project No.: 14006 Location: Drywell DW#1/ Deeken's Bldg Sammple Surface Conditions: Weedy Gravel

Depth (ft)	Moisture Content %	Unit Weight	Sample	UCS Symbol	Desription	Remarks
1				GW	8" Depth Crushed Gravel	Dry
2						
3			*			
4						
5				GW/ GM	Silty Sand & Gravel	Dry / Fill
6				01vi		
7						
8						
9						
10						
11						
12				GW	Sand & Gravel	Moist at 12 ft.
13			*		Excavation Terminated at 13 ft. Due to Caving	
14						
15						
16						

EXCAVATION LOG NO.: TP3

By: SDG Project No.: 14006 Location: Waste Oil UST #3 Surface Conditions: Weedy Gravel

Depth (ft)	Moisture Content %	Unit Weight	Sample	UCS Symbol	Desription	Remarks
1				GW	8" Depth Crushed Gravel	Dry
2			*			
3				GW/	Silty Sand & Gravel	Fill / Dry
4				GM		
5						
6						
7						
8						
9				GW	Sand & Gravel	Dry
10						
11						
12			*		Excavation Terminated at 12 ft. Due to Caving	Moist @ 12 ft.
13						
14						
15						
16						

EXCAVATION LOG NO.: TP4

By: SDG Project No.: 14006 Location: Deeken's Drum Sample Area Surface Conditions: Weedy Gravel

Depth (ft)	Moisture Content %	Unit Weight	Sample	UCS Symbol	Desription	Remarks
1				GW	8" Crushed Gravel	Dry
2			*			
3				SM	Silty Sand	Dry Firm
4						
5						
6						
7						
8				GW	Sand, Gravel, & Cobbles	Gray Sand Dry
9						Dry
10						
11						
12						
13						
14			*		Excavation Terminated at 14 ft. Due to Caving	Groundwater @ 14 ft.
15						
16						

EXCAVATION LOG NO.: TP5

By: SDG Project No.: 14006 Location: Oil Water Separator /DW #2 Surface Conditions: Weedy Gravel

Depth (ft)	Moisture Content %	Unit Weight	Sample	UCS Symbol	Desription	Remarks
1				SM	Silty Sand	Dry
2			*	GW/ GM	Silty Sand & Gravel	Dry
3						
4						
5						
6				GW	Sand & Gravel	Dry
7						
8						
9						
10						
11						
12						Moist at 12 ft.
13			*		Excavation Terminated at 13 ft. Due to Caving	
14						
15						
16						

EXCAVATION LOG NO.: TP6

By: SDG Project No.: 14006 Location: Gasoline UST #1 Surface Conditions: Weedy Gravel

Depth (ft)	Moisture Content %	Unit Weight	Sample	UCS Symbol	Desription	Remarks
1				GW/ GM	Silty Sand & Gravel	Dry
2			*			
3						
4						
5						
6				GW	Sand & Gravel	Dry
7						
8						
9			*		Energy ation Terminated at 10 ft Due to Caning	Moint at 10 ft
10					Excavation Terminated at 10 ft. Due to Caving	Moist at 10 ft.
11						
12						
13						
14						
15						
16						



Excavation at Oil Release area.



Soil cross section at DRUM sampling excavation.



Soil sampling at North Drywell/PCS area.



Excavation at North Drywell/PCS area.



Construction of upgradient monitoring well. (MW-1)

APPENDIX "B" Field Reports

PLSA

ENGINEERING & SURVEYING

ENGINEERING FIELD REPORT

WEATHER:SUNNY/WARMPROJECT DISC:MONITORING WELLSLOCATION:1802 SO. 1 ST ST., YAKIMAOWNER:DEREKCONTRACTOR:PRESENT:BRAD CARD, DRILLING CREW	DATE:	6/18/14	TIME:		PROJECT #:	PLSA #14006
OWNER:DEREKCONTRACTOR:MIKE ROBINSONPRESENT:BRAD CARD, DRILLING CREW	WEATHER:	SUNNY/WARM		PROJECT DISC:	MONITORING WELLS	
PRESENT: BRAD CARD, DRILLING CREW	LOCATION:	1802 SO. 1 ST ST, YAKIMA				
	OWNER:	DEREK CONTRACTOR: MIKE ROP			MIKE ROBINSON	
	PRESENT:	BRAD CARD, DRILLING CREW				
WORK IN PROGRESS: WELL DRILLING, SOIL SAMPLING						

OBSERVATIONS:

Over the past two days, three monitoring wells were drilled and developed at the former Tidrick property located at 1802 South 1st Street, Yakima. Horizontal and vertical geographic locations are in the process of determination. Depth from the surface to groundwater is as follows: All depths are from the top of casing:

Well No. 1 -15.5 feet Well No. 2 -15.0 feet Well No. 3 -14.0 feet

Collection of ground water samples is scheduled for Monday, June 23, 2014.

Copies To: _____

Signed:

(509) 575-6990



ENGINEERING & SURVEYING

ENGINEERING FIELD REPORT

OWNER:	Derek & Associates	FIELD REPORT:	NA
PROJECT:	Mead & South 1st Sampling	PROJECT #:	PLSA # 14006
DATE:	06-23-2014	WEATHER:	Sunny 89 deg.
PRESENT:	Scott Garland, P.E.		
WORK IN PROGRESS:	Groundwater Monitoring Well Sampling.		

LOCATION:

Mead Avenue & South 1st Street, Southwest Corner.

OBSERVATIONS:

Groundwater from monitoring wells MW-1, MW-2, and MW-3 was sampled. Samples from MW-2 and MW-3 were delivered directly to Valley Environmental Lab for analysis by methods HCID an EPA 8260B. Sampling from MW-1 was optional. Sample will be save for future analysis if needed. Follow up analysis was specified should results of HCID require. Depth to groundwater was measured from the top of casing (TOC) at each well. The results of groundwater elevation determination is summarized in the table below.

Well ID.	Casing Elev. (Ft)	GW Depth Below	GW Elev.
		TOC	
MW-1	1022.31	15.15	1007.16
MW-2	1021.12	14.46	1006.66
MW-3	1019.93	13.40	1006.53

Groundwater temperature was measured during purging. Initial groundwater temperatures were measured at 62° F. Water temperature stabilized at 60° F for 5 minutes prior to sampling. There was no visible turbidity, discoloration, and no odor.

By: Set De Sailand

PLSA

ENGINEERING & SURVEYING

ENGINEERING FIELD REPORT

DATE:	7/8/14	TIME:	PROJECT #:	PLSA #14006		
WEATHER:	SUNNY/WARM		PROJECT DISC:	SOIL SAMPLING		
LOCATION:	1802 SO. 1 ⁸	1802 SO. 1 ST ST.,, YAKIMA				
OWNER:	DEREK		CONTRACTOR:	TRI-VALLEY CONSTRUCTION		
PRESENT:	SCOTT GARLAND, BRAD CARD, GREG HUYLAR					
WORK IN PROGRESS: SOIL SAMPLE EXCAVATION AND COLLECTION						

OBSERVATIONS:

Six locations identified in the Work Plan were excavated and sampled in accordance with the Plan. There was no visual or olfactory evidence of contamination in any of the excavations. Soil samples were collected in accordance with the Work Plan and submitted to Valley Environmental Laboratory for the analyses specified in the Work Plan.

Copies To: _____

Signed:

(509) 575-6990

PLSA

ENGINEERING & SURVEYING

ENGINEERING FIELD REPORT

DATE:	7/29/14	TIME:		PROJECT #:	PLSA #14006	
WEATHER:	SUNNY/WA	ARM		PROJECT DISC:	SOIL SAMPLING	
LOCATION:	1802 SO. 1 ^s	1802 SO. 1 ST ST.,, YAKIMA				
OWNER:	DEREK CONTRACTOR:					
PRESENT:	SCOTT GARLAND, JOHN MEFFORD, GREG HUYLAR					
WORK IN PROGRESS: SOIL SAMPLING RESULTS						

OBSERVATIONS:

On July 8, 2014, 12 soil samples were collected from test pits excavated on the premises and delivered to Valley Environmental Lab for analysis in accordance with the Work Plan. This is a continuation of the July 8 report for the purpose of including the analytical results which are attached.

Review of the analyses finds that of the parameters found in WAC 173-340 Table 720-1 were exceeded in only a five minor instances. In each case the cleanup level for chromium (19 mg/kg) was slightly exceeded. The Washington State Department of Ecology publication "Natural Background Soil Metals Concentrations in Washington State" reports that the 90 percentile background concentration for chromium in Yakima is 38 mg/kg. The highest concentrations of chromium found were approximately one half that of the background level for Yakima.

The sample number and chromium content of those samples exceeding cleanup level are listed as follows:

TP NO.	Cr mg/kg
UST2-11	21.
OWS-2	21.7
DRUM-2	20.6
UST3-12	19.1
DWI-13	20.0

The number suffix on the sample identification indicates sample depth in feet. All other analytical results were below Table 720-1 cleanup values.

Copies To: _____

Signed:

1120 West Lincoln Avenue • Yakima, Washington 98902

• (509) 575-6990

FAX (509) 575-6993



ENGINEERING & SURVEYING

ENGINEERING FIELD REPORT

OWNER:	Derek & Associates	FIELD REPORT:	NA
PROJECT:	Mead & South 1st Sampling	PROJECT #:	PLSA # 14006
DATE:	11-20-2014	WEATHER:	Cloudy 34 deg.
PRESENT:	Scott Garland, P.E.		
WORK IN PROGRESS:	Groundwater Monitoring Well Sampling.		

LOCATION:

Mead Avenue & South 1st Street, Southwest Corner.

OBSERVATIONS:

Groundwater from monitoring wells MW-1, MW-2, and MW-3 was sampled. Samples from MW-2 and MW-3 were delivered directly to Valley Environmental Lab for analysis by methods HCID an EPA 8260B. Sampling from MW-1 was optional. Sample will be save for future analysis if needed. Follow up analysis was specified should results of HCID require. Depth to groundwater was measured from the top of casing (TOC) at each well. The results of groundwater elevation determination is summarized in the table below.

Well ID.	Casing Elev. (Ft)	GW Depth Below	GW Elev.
		TOC	
MW-1	1022.31	14.95	1007.36
MW-2	1021.12	14.22	1006.90
MW-3	1019.93	13.15	1006.78

Groundwater temperature was measured during purging. Initial groundwater temperatures were measured at 58° F. Water temperature remained stable at 58° F for 5 minutes prior to sampling. There was no visible turbidity, discoloration, and no odor.

By: Jost D. Sailand

APPENDIX "C"

Remedial Action Work Plan including SAP/QAPP/HASP

REMEDIAL INVESTIGATION WORK PLAN

TIDRICK'S QUALITY TRANSMISSION 1802 South 1st Street, Yakima, WA (FS ID No. 543, CU ID No. 6497)

Prepared For: Washington State Department of Ecology 15 West Yakima Avenue, Suite 200 Yakima, WA 98902



February 2014 Job No. 14006 Prepared by

PLSA Engineering & Surveying 1120 West Lincoln Avenue Yakima, Washington 98902 (509) 575-6990

Table of Contents

Pag	ge
Table of Contents	i
List of Figures and Tables	. ii
1.0 INTRODUCTION	1
2.0 SITE BACKGROUND 2.1 Description and History of Site	
 3.0 PROPERTY LOCATION AND DESCRIPTION 3.1 Property Location 3.2 Property Description 	2
4.0 PRIOR SITE INVESTIGATION SUMMARY	3
 5.0 SCOPE OF INVESTIGATION	7 7 8 10 10 11 11 12 12 12
 6.0 QUALITY ASSURANCE PROJECT PLAN 6.1 Personnel	15 15 16 16 17 17 18 19 19

7.0 REFERENCES	
APPENDIX A	21

List of Figures and Tables

Figures

Figure 1: General site diagram
Figure 2: Site diagram of Areas of Concern
Figure 3: Areas of Proposed Investigation

Tables

Table 1.	Required Analyses for Waste Oil Release (Table 830-1, Chapter 173-340	
	WAC)	14
Table 2.	Recommended Bottle Type, Preservation, and Holding Times for Samples	18

1.0 INTRODUCTION

The objective of this Remedial Investigation (RI) is to evaluate the current nature and extent of contamination related to past land use practices at the Tidrick's Quality Transmission Site. These practices were associated with automotive repair and service facilities and included the use of two drywells, one waste oil underground storage tank (UST), and two gasoline USTs.

2.0 SITE BACKGROUND

2.1 Description and History of Site

The Tidrick's Quality Transmission Site is located at 1802 South 1st Street near its intersection with West Mead Avenue, Yakima, Washington. The Site is identified by geographic coordinates: Latitude 46° 34' 38.3988", Longitude -120° 29' 32.0352" or by Public Land Survey: South half of Section 30, T. 13 N., R 19 E, Willamette Meridian (Figure 1).

The history of this Site is not well known. The following narrative is derived from records stored at the Washington State Department of Ecology (Ecology): At the time of Ecology's first initial investigation, the site was identified as Carlos Motors, Inc., a used car dealership specializing in detailing older model cars. This business operated at this location from approximately 1967 until about 1993. Two drywells and three USTs existed on the property in conjunction with this business. The length of time the drywells and USTs were in use is unknown; however, the drywells were active for at least 20 years.

On July 21, 1992, Ecology received a complaint of oil dumping on the site. Upon completing its preliminary investigation, Ecology concluded that a release had occurred and notified the property owner of a further action determination. Prior to the performance of a site hazard assessment, Carlos Motors was replaced by Tidrick's Quality Transmission as the business entity operating at this address. According to local telephone directories, Tidrick's Quality Transmission was listed at this address beginning approximately November 1993.

In May 1994, limited soil sampling was performed during the site hazard assessment and releases were confirmed in the vicinity of the two drywells and the waste oil UST (Figure 2). In September of that year, Cayuse Environmental (Cayuse), an environmental consulting company hired by the former property owner, decommissioned three USTs on the site. Cayuse also initiated an independent remedial action in association with the removal of one of the two drywells (south drywell) and the release from the waste oil UST. The interim action consisted of soil removal.

In October and November 1994, the scope of the interim action was expanded in the areas surrounding the waste oil UST and the south drywell. The scope of work also included remedial action to address soil contamination in the north drywell. Approximately 700 tons of petroleum

contaminated soils (PCS) were reported to have been removed and disposed at the former Rabanco landfill in Roosevelt. However, no receipts or other supporting documentation are known to exist to verify the removal and proper disposal of the PCS.

Ecology review of the remedial action report concluded that the site characterization was incomplete due to the type and nature of the contamination. Analyses of the soil initially excavated in the vicinity of the waste oil UST and the north drywell exhibited concentrations of chlorinated solvents including tetrachloroethene (PCE) and trichloroethene (TCE) above Model Toxics Control Act (MTCA) Method A soil cleanup levels. Although soil had been over excavated in the vicinity of the waste oil UST and the two drywells, no analyses for chlorinated solvents were performed on the soil confirmational samples. Additionally, an undetermined quantity of PCS was left intact under the former garage/paint shop building (west building) during removal of the north drywell.

In March 2007, the site underwent a second Toxics Cleanup Program (TCP) initial investigation in conjunction with a Dangerous Waste Compliance inspection by the Hazardous Waste and Toxics Reduction Program. The joint investigations were prompted by visible evidence of improper storage and handling of generated waste streams. Numerous examples of releases to the ground with resultant contamination of the soil and conveyance to the stormwater drain were documented during the investigations. The business operating on the site at that time was Tidrick's Quality Transmission.

During the TCP initial investigation, limited soil sampling was performed in the shallow subsurface. Two grab samples were collected and analysis of both samples showed contaminant concentrations that exceeded the MTCA Method A soil cleanup level for heavy oil range organics. Other contaminants detected in the soil above compliance levels included lead and arsenic.

3.0 PROPERTY LOCATION AND DESCRIPTION

3.1 Property Location

The site is listed as assessor Parcel Number 191331-11012 located at 1802 South 1st Street Yakima, Washington, 98903. The property is approximately 1.57 acres in size. The north and east properties boundaries are defined by Mead Avenue and South 1st Street, respectively (Figure 1). The west and south property lines are bounded by land currently leased to the Yakima County Sheriff's Department. See Figure 1

3.2 Property Description

The legal description of the property is listed as: That portion of the Northwest ¹/₄ of the Northwest ¹/₄ of the Northeast ¹/₄ of the Northeast ¹/₄ of Section 31, Township 13 North, Range 19, E.W.M., described as follows: Beginning at the point of intersection of the South line of

Mead Avenue and the Westerly line of State Road No. 3; thence Southeasterly along said Westerly line 300 feet; thence West parallel with the South line of Mead Avenue 249.2 feet; thence North 183.6 feet; thence West 1 foot; thence North to the South line of said Mead Avenue; thence East to the point of beginning. (Parcel No. 191331-11012).

Two commercial structures and a paved parking lot formerly existed on the property. Assessor records documented that a building was constructed in 1935, presumably the main one, and the associated building was built in 1940. In December 2013 and January 2014, the two buildings and the asphalt pavement were demolished and removed from the site.

4.0 PRIOR SITE INVESTIGATION SUMMARY

4.1 Soil Investigation

In September 1994, Cayuse performed a site assessment with the removal of three USTs and initiated the removal of contaminated soils from releases at the waste oil UST and the south drywell. In October and November of that year, Cayuse expanded the scope of work to assess the north drywell and to excavate contaminated soils from the waste oil UST area and the two drywells (Figure 2).

Sampling and Analysis Deficiencies

The site assessment and interim soil removal action presented many deficiencies in site characterization and post-removal soil confirmational sampling.

The two USTs located at the north portion of the site were listed as gasoline USTs but little or no detail is known concerning whether the tanks had contained other chemicals such as heating oil. Upon removal of these two tanks, Cayuse reported there were no obvious signs of release. Three confirmational soil samples were obtained from each tank cavity, two from the sidewalls and one at the bottom of the excavation at a maximum depth of five feet below ground surface (bgs). The soil samples were analyzed for gasoline-range organics by WTPH-G and lead by EPA Method 6010. Based on these analyses there were no signs of gasoline releases from the USTs; however, the required testing should have additionally included analysis for volatile organic compounds (benzene, ethylbenzene, toluene, xylenes or BTEX).

The report also did not document investigation of the fuel distribution piping system associated with both gasoline USTs. The report did not describe any removal of the piping system or associated dispensers. According to the *Guidance on Site Checks and Site Assessments for Underground Storage Tanks* (February 1991), soil samples should have been obtained to assess the dispenser and piping areas for all required analyses.

In contrast, the initial soil samples obtained from the waste oil UST area and two drywells were analyzed by WTPH-418.1. Also, the soil excavation depths for cleanup at each of the drywells and the waste oil UST area were dictated by petroleum contamination as determined from

samples analyzed by that method. The shortcoming of this analytical method is that it does not identify the type of petroleum hydrocarbon in the sample but yields only a total recoverable petroleum hydrocarbon value. Analyses should have been performed to identify the specific types of petroleum hydrocarbons potentially present in the waste oil mixture or possibly disposed through the drywell system. The confirmational samples are compliant for petroleum hydrocarbons. If gasoline-range organics were present, the confirmational samples were not in compliance. The appropriate analyses would have included WTPH-HCID and where petroleum hydrocarbons were identified as present, quantified through WTPH-Gx or WTPH-Dx, respectively.

Chlorinated solvents and other volatile organic compounds

The characterization analysis in 1994 was inadequate since all of the required testing was not performed or only a portion of the analytical results were reported. A limited number of initial soil samples from the waste oil UST area and the south drywell area were analyzed by EPA Method 8260 but the laboratory report only shows the analysis as a chlorinated solvent scan and does not list detections or concentrations of benzene, toluene, ethylbenzene, or xylenes as constituents that were assessed. The samples from these two areas should have been screened for BTEX with the analytical results listed in the laboratory report. Detections of these constituents would have yielded information potentially indicative of a release containing fresh or less weathered gasoline to supplement hydrocarbon identification analysis if it had been conducted.

Other appropriate soil analysis should have included EPA Method 8270 to assess semi-volatile organics including such possible contaminants as naphthalene and carcinogenic polyaromatic hydrocarbons (cPAHs). Only one sample from the waste oil UST (#9422-09) and one sample from the south drywell (9422-12) were assessed via Method 8270. Analysis of both samples showed values of naphthalene near the compliance level for protection of groundwater for drinking water purposes; however, the values were flagged as estimates since the values were detected above the method detection limit but below the reporting limits.

Soil samples taken from the north drywell area were only analyzed for petroleum hydrocarbons by WTPH-418.1 Modified. Other analytical methods to screen for potential constituents were not performed on these samples. According to the notes associated with MTCA Table 830-1, the waste oil category applies to unknown petroleum products and mixtures of petroleum and nonpetroleum substances. As such, testing is required in a sufficient number of samples to determine whether a possibly associated chemical is present at concentrations of concern.

In 2007, an additional but very limited investigation was performed to assess surface contamination due to poor business housekeeping practices associated with the historical land use. Two grab samples of soil were collected from the shallow subsurface at a depth of three to six inches bgs. One soil sample was collected near the south fenceline in the vicinity of the southwest corner of the property. This sample exhibited a concentration of lube oil at 2,200 mg/kg. Analysis for chlorinated solvents was also conducted but the results were reported as estimates or as non-detections. Metals analyses were not performed on this sample.

The confirmational analyses for these areas following soil removal also did not account for chlorinated solvents and possibly other contaminants although the initial sampling results showed several chlorinated solvents present in soil concentrations above compliance levels. Subsequent analysis for chlorinated solvents following soil removal was not conducted nor were required screening analyses under MTCA Table 830-1 performed. Analyses including EPA Method 8260 and 8270 should have been performed to screen for possible constituents that have the potential to migrate due to high solubility as opposed to focusing specifically on heavy oil or total recoverable petroleum hydrocarbons.

Metals

The initial soil samples obtained from the waste oil UST as well as two samples from the south drywell were analyzed for metals; however, the soil samples were prepared by a leaching method typically used with waste profiling for disposal purposes. The laboratory analytical sheets indicated that EPA Method 1311 (TCLP) was used prior to analysis of the samples by EPA Method 6010. MTCA does allow for the derivation of soil concentrations protective of groundwater based on a leaching test. Per WAC 173-340-747(7), these analytical results are appropriate when determining the leachability of contaminants from a soil sample and to evaluate the soil leaching test effluent concentrations shall be less than or equal to ten (10) times the applicable groundwater cleanup level established under WAC 173-3470-720. The analytical results showed that three of the soil samples failed the leaching test (sample nos. 9422-7, 9422-8 and 9422-12) for lead.

The direct contact exposure pathway should also have been evaluated at that time by performing EPA Method 6000 or 7000 series to determine contaminant concentrations in comparison to MTCA Method A or Method B cleanup levels. Assessment of the direct contact exposure pathway would not include EPA Method 1311 as a sample preparatory method prior to analysis.

During the limited site investigation in 2007, only one of the two grab samples of soil was analyzed for metals along with NWTPH-Dx. Analytical results showed that the sample obtained along the east wall near the southeast corner of the garage/paint shop (west building) had exceedances of lead (480 mg/kg) and lube oil (6,300 mg/kg).

In any event, the soil sampling for characterization and cleanup confirmational sampling were insufficient to determine if the soil concentrations were protective of human health for either of the two applicable exposure pathways for metals. Consequently, confirmational sampling and analysis for metals is required at the following areas: near the former waste oil UST, the north drywell and the area where the PCS was left intact under the building.

4.2 Groundwater Investigation

The maximum depth of soil excavation was 14 feet bgs during the interim action in 1994. Groundwater was not assessed since it was not encountered; however, the field work was performed in late October and early November after the area-wide irrigation had been shut down and groundwater is expected to be near its low level. However, information from various sources indicates that groundwater in the area can be relatively shallow and the estimated depth to groundwater is variable:

- The USGS National Water Information System website records the shallow groundwater table ranging from 6 feet to 28 feet bgs (average = ~17.5 feet bgs, Sec. 30, T.13N., R.19E.)
- Information from the Ecology well log database indicates that the static water level varies
- from 8 feet to 30 feet bgs.
- The nearest Yakima Railroad Area (YRRA) shallow screened monitoring wells show groundwater levels from 8 to 10 feet bgs.
- A site adjacent to the south, Crop King/Woods Industries, has two monitoring wells that indicate that the static groundwater level is 7 feet bgs.

Additional groundwater characteristics can be inferred from the Yakima Railroad Area study. The study shows groundwater fluctuation is generally two feet between low and high water base with groundwater flow in the shallow aquifer easterly to southeasterly.

During the independent remedial action, PCS was left intact under the southeast corner of the garage/paint shop (west building). The analytical values in the adjacent excavation were below the default residual saturation values for petroleum. However, the PCS appears to be closely associated with the north drywell as shown on the remedial action site diagram. Consequently, there is the likely presence of a mixture of petroleum hydrocarbons and other contaminants including chlorinated solvents. Also, there may have been commingling of the impacted areas associated with the waste oil release and the north drywell. This supports additional inquiry for possible impact to groundwater.

Further investigation of groundwater is recommended due to the former use of the dry wells and the known releases from the waste oil UST. Additional support for assessment is provided by the unknown length of time that the dry wells were in use and duration of the waste oil releases.

5.0 SCOPE OF INVESTIGATION

The primary objective of the soil sampling and analysis is the determination of the nature and extent of contamination from releases to the environment in the areas of concern. The main areas of concern are the source areas that include the former locations of the two drywells and the waste oil UST. Additional but minor areas of concern include the two gasoline USTs and near-surface contamination as determined during the limited soil sampling associated with the second initial investigation performed by Ecology.

5.1 Data Quality Objectives

The objective for the soil sampling is to obtain discrete, representative soil samples that will include the collection of "worst case" samples determined by field screening as well as confirmational samples. This additional sampling will allow the conceptual site model to be updated and refined based on current site conditions.

The objective for the groundwater sampling is the collection of representative groundwater samples and associated groundwater data to screen and characterize the site for all the chemicals of concern that exist or potentially exist on the site. If monitoring wells are required, groundwater samples will be obtained during low and high water conditions to characterize groundwater for seasonal variations in flow and contaminant concentrations.

5.2 Utility Locates and Other Required Notifications

At least three days prior to subsurface investigations, the Northwest Utility Notification Center (1-800-424-5555 or 811) will be contacted so that the locations of public utilities will be marked. If as-built diagrams are available, these will also be consulted to assist in placement of proposed boring or trenching locations. Additionally, a private utility locating service will scan all tentative boring locations to verify clearance.

Start cards (Notice of Intent) will be submitted to the Water Resources Section of the Department of Ecology 72 hours prior to drilling for all proposed soil borings 10 feet or deeper below ground surface.

5.3 Sampling and Analysis Plan

The purpose of the Sampling and Analysis Plan is to establish the methodology for the collection of data that meets the Data Quality Objectives of this project.

The site characterization will consist of two components. The first component will be characterization of the soil to be performed in the former source areas and other areas where soil contamination is likely to be found. The second component will be assessment of groundwater characteristics such as groundwater levels and analytical results including groundwater screening and compliance data. If sufficient information is derived from the soil investigation then detailed groundwater analytical information may not be required with the exception of groundwater static level.

The soil assessment component will include characterization to determine the vertical and lateral extent of contamination, if existing, and assess the likelihood of impact to groundwater. The soil sampling will include screening to determine the presence or absence of contaminants not originally assessed in the subsurface in the areas of concern. The sampling will also include confirmational sampling over the extent of soil excavation as performed in the original

assessment. Additionally, the vertical extent of sampling may yield sufficient information to determine if impact to groundwater was likely to have occurred.

The necessity for installation of monitoring wells to assess possible groundwater impacts will be gauged through evaluation of site characteristics to include the following:

- Lack of verifiable records that only a small quantity of petroleum products were released;
- Lack of thorough soil testing showing the soil contamination has not significantly migrated;
- Lack of predominantly fine-textured soils in the area of soil contamination (dominated by silt or clay;
- Lack of considerable depth to groundwater (more than 50 feet from the ground surface);
- Release of products less prone to migration (diesel or heavy oil).

The groundwater assessment component, if required, will directly evaluate for the existence of a contaminant

5.3.1 Field Screening and Sampling of Soil

Surface or shallow subsurface soil sampling will be conducted to address the areas of concern determined during the limited site investigation in 2007. Additional soil sampling will be performed to assess the effectiveness of the interim action in the former source areas that occurred during 1994 (Figure 1).

The two surface areas of concern may have been disturbed by demolition activities in 2013 and 2014. Consequently, a grid will be established over an area measuring approximately 30 feet by 90 feet with boundaries at each 10 feet east to west and at each 18 feet north to south. This area represents that portion of the site historically lacking an impervious or semi-impervious surface cover. The area is visible in the aerial photograph as south of the west building to the south fenceline. The grid will be field screened using a field portable x-ray fluorescence (XRF) unit with one sample point within the center of each grid square unit. This will result in 15 sample locations. OR, lay out grid and visually assess for hydrocarbon staining. Sample each grid square with staining and assess for HRO and metals.

In the two surface areas of concern, soil samples for laboratory analyses will be obtained from the surface (0-1 "), then 1" to 6" below ground surface; thereafter depending on field observations. In the event that surface soils have been disturbed, then provision is allowed to field screen the two surface areas with a field portable x-ray fluorescence (XRF) unit.

A minimum of seven excavations will be advanced in former source areas (5 excavations) and additional areas (1 excavation each) upgradient and downgradient of the former source areas (Figure 3). Of the five borings in the former source areas, one boring will be advanced in the vicinity of the north drywell in the area where PCS exists and as close to the southeast corner of the garage as possible.

Trenching and test pits may be performed as an alternative means to characterize the soil profile and to collect samples. If this method is used, appropriate safety measures will be taken as described in the site-specific HASP. A minimum of three to four trenches are proposed.

The areas of investigation include a trench to characterize the waste oil UST area near the west fenceline (north-south) and a trench that transects the north drywell (north-south). Another trench will define the north boundary of the waste oil area, PCS area and north drywell (east-west).

Test pits will be excavated in the vicinity of the two gasoline USTs.

Continuous soil sampling will be attempted at the proposed excavation locations to characterize the soil profile throughout the site to a depth of approximately 20 feet or to groundwater or to a sufficient depth determined by field conditions and in consultation with Ecology. However, the continuous sampling does not have to begin at the surface but can begin at the designated depth:

- North drywell area: 8 to 14 feet bgs
- South drywell area: 9 feet bgs
- Waste oil UST excavation area: 6 to 9 feet bgs
- Gasoline UST areas: 5 feet bgs

Sufficient depth of sampling may be determined by bracketing the boundary where the soil contamination is above the MTCA Method A cleanup level to a depth where contamination is undetected or below compliance levels. This depth shall, at a minimum, extend 5 feet below where contamination was last encountered. An exception to this would exist if the contamination is minor, e.g., surficial, and fine grained soils predominate.

The substrate characteristics may require the use of drilling to recover soil samples and, if necessary, to install groundwater monitoring wells. If soil characteristics prevent the collection of a continuous profile, then another method may be used to obtain soil samples. The site investigation will have a contingency to allow for other methods other than drilling, for instance, a backhoe or excavator may be used to collect soil samples. If adequate soil samples cannot be obtained through this contingency, then an alternate sampling method may be used to assess the soil leaching to groundwater pathway through the collection of groundwater samples.

If drilling refusal is encountered or other circumstances prevent the advancement of the boring then another borehole may be attempted within the area cleared from the utility locate. During drilling or open excavation, detailed logs of subsurface conditions will be recorded. Initially, all soil will be field screened visually for staining and by other field methods including but not limited to the sheen test, headspace readings (vapor analysis) using a photoionization detector (PID) or a flame ionization detector (FID).

If groundwater is encountered during advancement of a soil boring, a soil sample will be obtained from the soil core near the soil/water interface and another sample should be collected at the deepest portion of the last sampling interval.

5.4 Groundwater Sampling

Depth to groundwater in the area is variable depending on the information source:

- The USGS National Water Information System website records the shallow groundwater table ranging from 6 feet to 28 feet bgs (average = ~17.5 feet bgs, Sec. 30, T.13N., R.19E.)
- Information from the Ecology well log database indicates that the static water level varies from 8 feet to 30 feet bgs.
- The nearest Yakima Railroad Area (YRRA) shallow screened monitoring wells show groundwater levels from 8 to 10 feet bgs.
- A site adjacent to the south, Crop King/Woods Industries, has two monitoring wells that indicate that the static groundwater level is 7 feet bgs.

Based on the Yakima Railroad Area study, the groundwater fluctuation is generally two feet between low and high water. The same study shows groundwater in the shallow aquifer generally flows easterly or southeasterly.

5.4.1 Temporary Well Groundwater Sampling

If groundwater is encountered in any boring within 20 feet bgs, the initial groundwater static level will be measured and in-situ grab samples from temporary well points will be collected for the required analyses. This information will be evaluated to assist in determining where groundwater monitoring wells shall be installed.

If groundwater is not encountered within 20 feet bgs, at a minimum, one boring in the vicinity of the drywell/waste oil UST area but on the downgradient side will be advanced deep enough to assess groundwater level by a temporary well point.

Groundwater samples will be collected at this location for screening purposes and the entire suite of analyses for waste oil will be performed on these samples to determine if impact had occurred. If subsequent analysis indicates contamination in the groundwater at the downgradient temporary well, then an upgradient monitoring well is proposed to assess groundwater level and background contaminant concentrations, if present, in groundwater.

5.4.2 Monitoring Well Construction and Development

Based on the analyses of the soil and grab groundwater samples, monitoring wells may be installed for continued groundwater sampling. If the findings during the site investigation indicate that groundwater is likely to be impacted, then a minimum of three monitoring wells will be installed. Proposed locations for the monitoring wells are indicated on the site diagram and are based, in part, on the former source areas.

Construction and specifications of the monitoring wells will follow the requirements as stated in Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Wells) and the commonly accepted industry standards for installation of wells that will produce representative groundwater samples. The well casing will consist of 2-inch diameter Schedule 40 polyvinyl chloride (PVC). The screen will consist of a five foot section having 10 slot (0.010 inch) openings flush threaded with riser. The filter pack will consist of 10/20 silica sand deposited from the bottom of the screen to one foot above the top of the screen. The remainder of the annulus space will be filled with 3/8 inch bentonite chips to the bottom of a steel, flush-mounted well monument and finished with concrete.

The project schedule for monitoring well compliance sampling will be based on the completion of well development. The wells will be developed by surge block and pumping until the fines have dissipated (water is clear).

5.4.3 Survey of Monitoring Well Location and Elevation

All monitoring wells will be surveyed by a licensed surveying firm. For each monitoring well, the vertical elevation of the reference point marked on the top of the PVC casing for water levels should be measured to within 0.01 foot relative to the North American Vertical Datum of 1988 (NAVD88). The horizontal location of borings and monitoring wells will be measured to within 1.0 foot.

Monitoring well elevation measurements will be measured to a reference point marked at the top of the PVC well casing to the nearest 0.01 foot relative to the North American Vertical Datum of 1988 (NAVD88). Water levels should be measured to within 0.01 foot from this reference point on the casing.

If a property boundary survey is required, the horizontal datum will conform to the North American Datum of 1983, updated in 1991 (NAD83 (1991)).

Other methods of determining horizontal and vertical coordinates may be used, provided that the same level of precision is achievable. The method used to establish coordinates and other site measurements should be described as well as the accuracy of the method (closure or GPS equivalent).

5.4.4 Monitoring Well Sampling

Groundwater sampling of the monitoring wells will conform to the guidelines set forth in the *Guidance on Remediation of Petroleum Contaminated Sites*. The initial groundwater sampling results from the monitoring wells will dictate the frequency of sampling. Prior to sampling, the field personnel will coordinate with the laboratory to ensure sampling protocols including recommended sample volume, holding times, storage, etc.

Groundwater elevation measurements will be recorded from each well prior to sampling. The ground water levels will be measured to within 0.01 foot from the reference point on the casing. Samples will be collected by the low-flow purge and sampling method.

Groundwater samples will generally be collected unfiltered. The possible exception is the collection of samples for metals analysis. If turbidity is high, collect both unfiltered (for total metals analysis) and field filtered (for dissolved metals analysis). Once filtered, the sample should be preserved as per laboratory instructions.

Samples for organic contaminants will be unfiltered during collection

Groundwater samples will be screened for petroleum hydrocarbons, volatile petroleum compounds (BTEX), fuel additives and blending compounds (MTBE, EDB, EDC), carcinogenic PAHs, Naphthalenes, metals (cadmium, chromium, nickel, zinc, and lead), PCBs, and halogenated VOCs.

Groundwater samples will be initially analyzed with NWTPH-HCID, then quantified by NWTPH-Gx, NWTPH-Dx as necessary.

5.4.5 Groundwater Monitoring Well Decommissioning

The groundwater monitoring wells will be decommissioned per Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Wells) <u>only</u> after receiving written approval from Ecology.

5.5 Management of Investigative Wastes

Regulated investigation derived wastes (IDW) such as soil cuttings generated during drilling and sampling activities will be containerized in 55-gallon, US Department of Transportation (DOT) approved drums. Decontamination water and purge water from the groundwater monitoring wells will be stored in additional 16 or 55-gallon DOT-approved drums.

The onsite storage of regulated IDW shall not exceed 90 days. All regulated IDW will be temporarily staged onsite until profiling analyses are performed. Representative samples will be collected to profile the soil/drill cuttings and any groundwater. The drums will be labeled with the date, type and source of the materials contained. Non-regulated IDW including nitrile gloves,

visqueen sheeting, Teflon lined polyethylene tubing may be disposed as standard municipal waste.

Management of IDW will be documented in the Remedial Investigation report. The documentation will include disposal arrangements and laboratory analytical results for waste profiling.

For soil, the requirements in Chapter 173-350-300 WAC (Collection and Transportation Standards for Solid Waste) shall apply. Receipts documenting off-site disposal should be retained by the property owner.

5.6 Laboratory Analyses

Soil and groundwater samples will be submitted to a laboratory accredited for the required analyses. If the laboratory is not accredited for a particular analysis, the analysis can be performed by another laboratory that is accredited for that method. A chain-of-custody shall be completed to document the transfer. The receiving laboratory shall note sample conditions and anomalies in the samples, e.g., if air bubbles are present in the 40-ml VOA groundwater vials.

Final documentation shall indicate the preservation and storage of samples, if the samples were analyzed within their respective holding times for particular analyses, and any discrepancies noted that may affect the quality of the samples.

The soil and groundwater samples taken in the vicinity of the waste oil UST should be analyzed for volatile organic compounds (BTEX), fuel additives and blending compounds (MTBE, EDB, EDC), carcinogenic PAHs, metals, PCBs, and halogenated VOCs. The required analyses for waste oil releases are outlined in Table 1 below. Since the same contaminants may be expected to potentially exist in the drywell area, the drywell soils and groundwater shall also be assessed by the listed analyses.

The analyses for fuel additives including BTEX, EDB, EDC, MTBE are not required on all soil and groundwater samples; however, sufficient analyses should be performed to cover each area of concern.

For soil:

- NWTPH-HCID, if detections then quantification by NWTPH-Gx and NWTPH-Dx;
- EPA Method 8260 to assess VOCs, MTBE, EDC, EDB, and halogenated VOCs (chlorinated VOCs);
- EPA Method 8270 for carcinogenic PAHs, naphthalene;
- EPA Method 8082 for PCBs;
- EPA Method 6000 or 7000 Series for metals (cadmium, chromium, nickel, lead and zinc).

• EPA Method 5035 for collection of soils for volatile organic compounds analysis (This is the preferred method for collection of VOC samples but it is understood that this method may be difficult depending on grain size, etc. Difficulties in sample recovery and collection should be noted in field notebook.)

TCLP will only be used for waste profiling as a preparatory procedure prior to the appropriate analytical method for metals.

For groundwater:

- NWTPH-HCID, if detections then quantification by NWTPH-Gx and NWTPH-Dx;
- EPA Method 8260 to assess VOCs, MTBE, EDC, and halogenated VOCs (chlorinated VOCs);
- EPA Method 504.1 for EDB;
- EPA Method 8270 for carcinogenic PAHs, naphthalene;
- EPA Method 8082 for PCBs;
- EPA Method 6000 or 7000 Series for metals (cadmium, chromium, nickel, lead and zinc).

Chemical	Analytical Method		
Chemiear	Soil	Groundwater	
Volatile Petroleum Compounds			
Benzene	EPA Method 8260	EPA Method 8260	
Toluene	EPA Method 8260	EPA Method 8260	
Ethylbenzene	EPA Method 8260	EPA Method 8260	
Xylenes	EPA Method 8260	EPA Method 8260	
Fuel Additives & Blending Compounds			
EDB	EPA Method 8260	EPA Method 504.1	
EDC	EPA Method 8260	EPA Method 8260	
MTBE	EPA Method 8260	EPA Method 8260	
Total lead & other additives	EPA 6000 or 7000 Series	EPA 6000 or 7000 Series	
Other Petroleum Components			
Carcinogenic PAHs	EPA Method 8270 SIM	EPA Method 8270 SIM	
Naphthalenes	EPA Method 8270	EPA Method 8270	
Other Compounds			
PCBs	EPA Method 8082 EPA Method 8082		
Halogenated Volatile Organic Compounds	EPA Method 8260 EPA Method 8260		
Metals (lead included as additive)			
Cadmium	EPA 6000 or 7000 Series	EPA Method SW 7131	
Chromium (Total)	EPA 6000 or 7000 Series	EPA 6000 or 7000 Series	
Nickel	EPA 6000 or 7000 Series	EPA 6000 or 7000 Series	

Chemical	Analytical Method		
Zinc	EPA 6000 or 7000 Series	EPA 6000 or 7000 Series	

6.0 QUALITY ASSURANCE PROJECT PLAN

The primary objective of the QAPP is to assure that a sufficient number of samples are collected to gain quality analytical information for the Tidrick Quality Transmission site, to evaluate the various environmental media of concern, and to determine whether there is a risk of offsite contamination transport.

6.1 Personnel

The site manager for Ecology is John Mefford, who is responsible for defining the scope and objectives of this project.

PLSA co-project managers and principal sampling personnel, Brad Card P.E. and Scott Garland P.E., are responsible for assuring that all on-site personnel are trained to properly carry out information included in this SAP and QAPP and that all resources are made available to meet the investigation objectives.

The PLSA health and safety officer is Scott Garland P.E., who is responsible for identifying and mitigating potential hazards while field work is being performed and insuring health and safety procedures are implemented and followed.

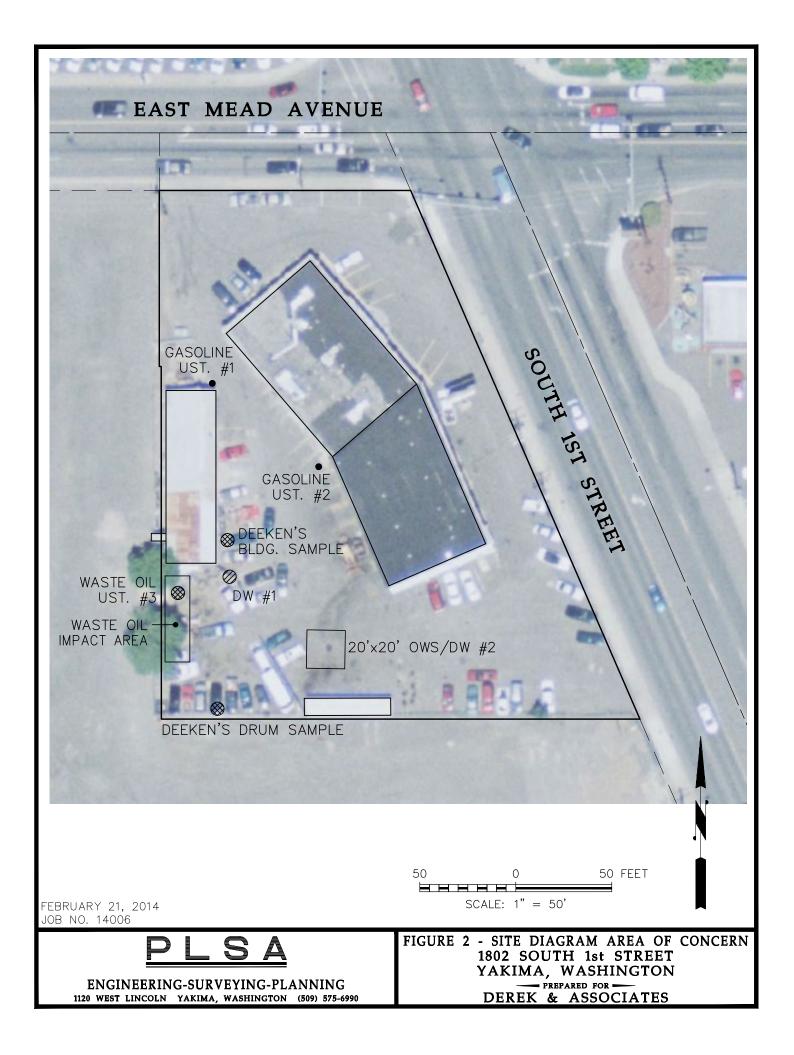
6.2 Documentation

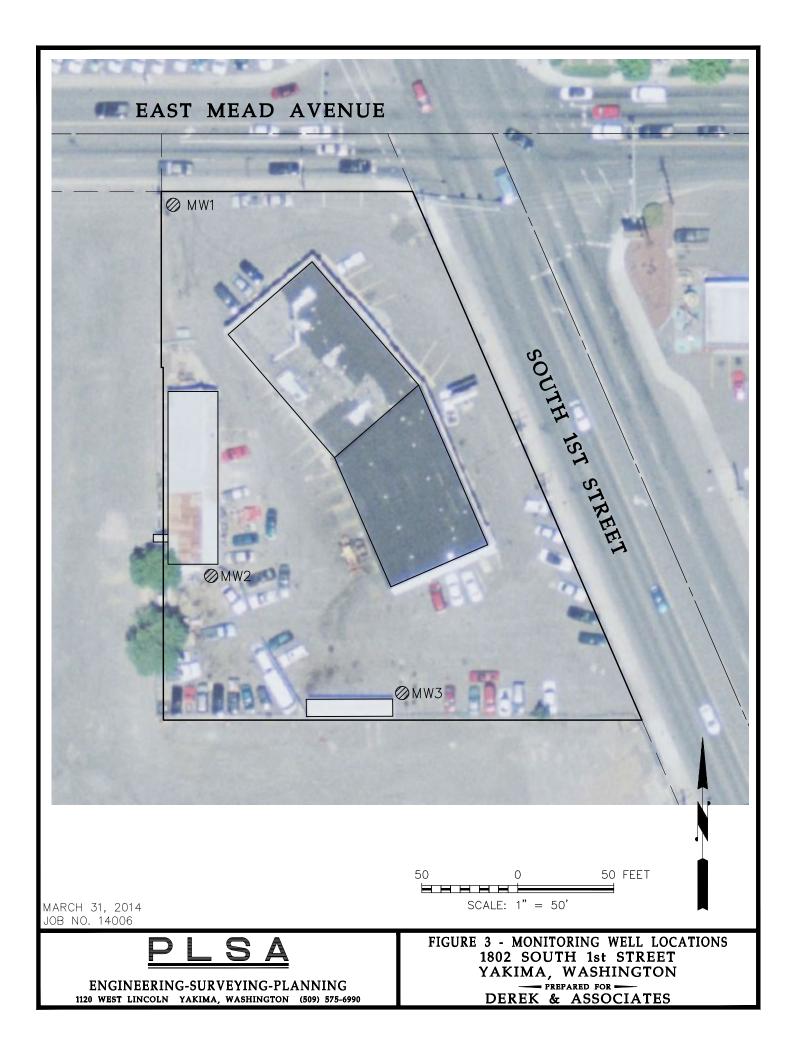
A complete record of field activities will be maintained. Documentation necessary to meet quality assurance (QA) objectives for this project includes field notes and field forms, borehole logs, sample container labels, and chain-of-custody (COC) forms. The field documentation will provide descriptions of all sampling activities, sampling personnel, and weather conditions. All modifications, decisions, and/or corrective actions to the study design and procedures identified in the SAP will be recorded in the field documents with a signature and date.

Daily activities will be recorded. Information recorded will include the following:

- Date, time, place, and location of sampling
- Onsite personnel and visitors
- Daily safety discussion and any safety issues
- Quality control samples (i.e., duplicate samples, trip blanks, etc.)
- Field measurements and their units
- Observations about site, location, and samples (weather, current, odors, appearance, etc.)
- Equipment decontamination verification







Field logbooks are intended to provide sufficient data and observations to enable participants to reconstruct events that occur during project field activities. Entries should be factual, detailed, and objective. If an error is made, the individual responsible may make corrections simply by crossing out the error and entering the correct information. The erroneous information should not be obliterated. All corrections must be initialed and dated. All documentation, including voided entries, must be maintained within project files. Photocopies or electronic scans of the field logbooks will be made at the end of each field event and maintained in the project file. Boring logs will be used to record geological and well installation observations and data. Soil sampling information (sample ID, depth, time) will also be recorded on these logs.

Sample collection data sheets will be completed for each groundwater sample location. Sample data sheets will contain date and time of sample collection, sample number, sample location, field measurements (e.g., pH, conductivity, temperature), and analyses collected. Sample labels will be attached to each sample container. Labels will contain the sample number, date and time of sample collection, analyses requested, and information on sample preservation. Chain-of-custody forms will accompany all samples shipped to the analytical laboratory. In addition to containing a record of sample information, chain-of-custody forms will contain the signature of the sample shipper and will document the date and time that samples were shipped. Upon receipt at the laboratory, the chain-of-custody record will be compared with the samples received, any discrepancies will be noted, and the form will be signed and dated by an authorized laboratory representative and a copy returned to the sender.

6.3 Analytical Methods

Analytical methods may be found in Section 5.6 of this Plan.

6.4 Laboratory QA/QC and Data Submittals

Laboratory quality control (QC) samples will include the following, as relevant to each analytical method:

- Method blanks
- Method blank spikes
- Laboratory control samples
- Surrogates
- Matrix spikes/matrix spike duplicates
- Laboratory duplicates

Laboratory data will be provided in both, hard copy and electronic file to PLSA and will consist of laboratory narratives, chain-of-custody documentation, quality control documentation containing method blank results, and QA summary forms. The narrative should note any deviations from the sample handling protocols as previously established by the laboratory. The sample handling protocols should note conformance to preservation methods such as storage in a cooler with blue ice to a temperature of 4 degrees Celcius. Also, the presence of air bubbles in groundwater VOA vials should be noted.

Laboratory deliverables will include electronic data formatted to meet the submittal requirements of Ecology's Environmental Information Management database.

6.5 Field QA/QC Measures

Samples will be considered acceptable to the field manager if sufficient quantity of material is recovered to adequately and appropriately represent the target material and depth interval. Examples of unacceptable samples or sample locations include soil samples with largely coarse-grained material (coarser than sand), refusal before extending below major contaminant depths, and water samples that are extremely turbid. For cases of poor recovery or refusal or lack of physical access, the PLSA field manager or project manager will discuss with the Ecology site manager to decide whether data completeness has been affected significantly enough to require moving boring locations or resampling.

Field QC samples will also be collected to gauge the quality of samples being collected; these include the following:

Field duplicates will be collected to assess natural variability in the sampled soil and groundwater matrix. One soil and one groundwater field duplicate will be collected per 20 samples or one for each field sampling day of this investigation, whichever is greater. This sample will allow the relative percent difference to be calculated, to gauge the variability in the sampling and analysis processes.

Trip blanks will be submitted with every sample shipment in which samples are being analyzed for volatile organics including BTEX + MTBE, EDB, EDC and NWTPH-Gx. One trip blank, consisting of laboratory-supplied organic-free water, will be included in each cooler and analyzed upon receipt for the same constituents as the environmental samples.

6.6 Containers, Preservatives, and Holding Times

Sample containers will be certified clean from the laboratory. Sufficient volume of soil and groundwater will be collected to perform all required analyses as listed in Table 1. Also, sufficient volume will be collected if additional analyses are needed, for instance, when screening for hydrocarbon type by NWTPH-HCID and, if present, quantify by NWTPH-Gx and NWTPH-Dx.

Note that the sample preservation and storage, desired sample volume, and the minimum sample volume may vary between laboratories. Check with the laboratories prior to sampling and document if deviating from this table. Also, if the samples are chilled to the required storage temperature but are not preserved by acid then the holding time will be shorter.

Analysis	Medium	Container	Preservation	Holding Time
NWTPH-HCID	groundwater	1-500 ml amber; 2-40 ml glass VOA vials	Cool to 4^0 C	7 days
	soil	2-4 oz clear wide mount jar	Cool to 4^0 C	14 days
NWTPH-Gx ground soil	groundwater	2-40 ml VOA glass vials with HCl	Cool to 4^0 C	14 days
	soil	2-40 ml VOA glass vials with methanol	Cool to 4^0 C	14 days
$NWTPH_Dy =$	groundwater	2-500 ml amber	Cool to 4^0 C	14 days
	soil	2-40 oz clear wide mouth jar	Cool to 4^0 C	14 days
	groundwater	3-40 ml VOA glass vials with HCl	Cool to 4^0 C	14 days
	soil	3-40 ml VOA glass vials with methanol	Cool to 4^0 C	14 days
	groundwater			
	soil			
	groundwater			
	soil			

Table 2. Recommended Bottle Type, Preservation, and Holding Times for Samples

6.7 Sample Numbering

Each soil and groundwater sample will be clearly labeled using unique sample identifiers as follows:

Subsurface soils (SB)

The sample numbering for the soil samples will be the generic alpha-numeric designation, SB-xx-yy, where "xx" is the boring number and "yy" is the depth of the top of the sampled interval measured in feet below ground surface, for example, SB-01-05.

Note that the general convention on sample numbering for each dash-separated segment is a two digit number with a "0" as a placeholder if the number is less than 10. This applies to all of the types of sample numbers as shown in the examples.

Groundwater grab sample from temporary well points (TW)

The sample numbering for the groundwater samples from temporary well points will be the generic alpha-numeric designation, TW-xx-mmddyy, where "xx" is the boring number and "mmddyy" is the date of collection, for example, TW-04-051809.

Groundwater sample from monitoring well (MW)

The sample numbering for the groundwater samples from monitoring wells will be the generic alpha-numeric designation, MW-xx-mmddyy, where "xx" is the monitoring well number and "mmddyy" is the date of collection, for example, MW-12-051809.

Trip blanks: *TB-mmddyy-x* (for example, TB-0521809-2)

Where "mmddyy" is the date and "x" is the sequential number of this type of sample prepared on the same day.

6.8 Field Equipment Calibration

Field instruments, including a photo-ionization detector (PID) and a field portable x-ray fluorescent (XRF) unit will be calibrated prior to use each day according to the manufacturer's recommended procedure using the appropriate calibration standards. Recalibration may be needed during the day after a significant gap of time, or if the instrument does not give reliable readings (such as does not zero out). All calibration of such instruments will be recorded in the field log book. Any instrument issues should be recorded in field book.

6.9 Sample Storage and Delivery Procedures

At a minimum, all samples will be stored in insulated coolers and preserved by cooling with ice to a temperature of 4° to 6° Celsius. During receipt of samples, the receiving laboratory shall note any discrepancies in its narrative. This narrative should form part of the record in addition to the chain-of-custody.

Maximum sample holding and extraction times for the required analyses will be adhered to by field personnel and the analytical laboratories. Sample preservatives such as HCl or methanol shall be used for any samples if extraction or analysis cannot be performed within the proper holding time and as appropriate for that particular analysis.

6.10 Chain-of-Custody Procedures

Chain of custody (COC) forms will ensure that all collected samples are properly documented and traceable through storage, transport, and analysis. When all line items on the form are completed or when the samples are relinquished, the person with custody will sign and date the form, list the time, and confirm the completeness of all descriptive information and required analyses.

Samples will be retained in the field crew's custody until samples are delivered or shipped to the appropriate laboratory by PLSA personnel. The field COC terminates when the laboratory receives the samples. The field sample custodian should retain a copy of the completed, signed COC form(s) for the project files. If the laboratory sends samples for additional analyses then another chain of custody should record the subsequent transfers. Each laboratory should complete a narrative describing the condition of the samples received.

7.0 REFERENCES

Cayuse Environmental (1994), *Removal of two gasoline storage tanks and one used oil tank located at the corner of 1st Ave. and Mead in Yakima, WA*. Underground storage tank closure report.

U.S. Environmental Protection Agency (2008), *Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods SW-846*.

Contents of site file including notes describing the 1992 and 2007 initial investigations to include the Manchester Laboratory report and the Site Hazard Assessment report.

APPENDIX A

PLSA HEALTH AND SAFETY PLAN TIDRICK'S QUALITY TRANSMISSION

GENERAL INFORMATION

CLIENT: Dereck & Associates

PROJECT MANAGER: John Mefford, Washington State Department of Ecology, Brad Card P.E. and Scott Garland P.E., PLSA Engineering & Surveying

SITE NAME. Tidrick's Quality Transmission

SITE NAME: Tidrick's Quality Transmission

SITE LOCATION: 1802 South 1st Street, Yakima, WA

PURPOSE OF FIELD VISIT(S): Collect groundwater samples and soil samples

DATE OF VISIT(S): First Quarter 2014

Article I. Site Characteristics

AREA DESCRIPTION

The site is located at 1802 South 1st Street, Yakima, WA. The site is a former automotive repair facility that is bordered by Mead Avenue (runs east-west) and South 1st Street on the east.

Commercial property borders on the south and east/

Possible Contaminate Characteristics

a) Waste Type(s)

Liquid X Solid X Sludge Gas Dust X____

b) Characteristics

Corrosive Ignitable Radioactive Volatile _

Toxic Reactive Unknown x_ Other ____

Article II. Hazard Evaluation

CHEMICAL HAZARDS

Based upon review of the previous assessments, potential chemical hazards on the site include petroleum products from historic underground storage tanks (USTs).

Site personnel are trained in hazard recognition and will use personal protective equipment (PPE) appropriate to the potential hazards.

a) Air Monitoring

Direct read air monitoring equipment may be employed to screen for contaminants and toxic or flammable atmospheres prior to collecting samples if the project manager, or site supervisor, deems it appropriate.

b) General Safety Hazards

Sampling at the proposed sites will be unlikely to pose any unanticipated safety hazard to workers. The proposed scheme involves subsurface water and soil sampling.

If sampling will be performed along roads and alleys, personnel will don "OSHA

Orange" vests and traffic control measures will be initiated. The site supervisor will identify any site-specific hazards during pre-job safety meetings. The site supervisor will update employees if site hazards change.

The most likely hazards to be encountered are those commonly encountered on many work-sites (heat stress, working around machinery, noise, etc.). All PLSA employees performing field work on this project will comply with the most current Health and Safety Manual and Health and Safety Standard Operating Procedures for PLSA. Each employee has been provided access to this manual.

Article III. Work Practices

Workers will comply with all PLSA Health and Safety Manual rules. Workers will comply with all state and federal regulations.

PERSONAL PROTECTIVE EQUIPMENT

Section 100.5 of the most current Health and Safety Manual and Health and Safety Standard Operating Procedures for PLSA addresses PPE selection:

- A Class A, B, or C hard hat as appropriate to the site,
- Steel-toed, steel shank work boots,
- Hearing protection, and
- Safety Glasses.

DECONTAMINATION PROCEDURES

a) Personnel

Before leaving the sample area, thoroughly wash hands and face with soap and water before eating, drinking, or smoking. If water is not available use pre-moistened towelettes to wash face and hands.

Do not track contaminated soils and dust off-site.

b) Samples

After the sample containers are filled they will be sealed shut, marked with indelible marker, and any excess dirt will be wiped from the outside of the sample containers before they are stored. Sample containers will be transported in suitable sealed containers placed in stable containers that can be securely closed.

c) Disposal of Materials Generated On-Site

Collect trash and non-hazardous waste and place it in appropriate trash receptacles for municipal trash pick up. Potentially contaminated materials will be separated, sealed in chemically compatible containers, and labeled for appropriate off-site disposal.

d) Safety Equipment and Materials

Each sampling team will have access to a first aid kit, clean water, paper cups, and premoistened towelettes. Site supervisors will ensure appropriate safety gear is available for site operations. The site supervisor will also be equipped with a cell phone in case of an emergency requiring outside assistance.

Article IV. Emergency Procedures

- If an injury occurs, take the following steps:
- Prevent further injury and notify the site supervisor.
- Initiate first aid and get medical attention for the injured person immediately.
- Depending on the type and severity of the injury, call for medical attention.
- Prepare an incident report.
- The crew chief / site safety officer will assume charge during a medical emergency.
- a) Local Emergency Phone Numbers

Ambulance: 911 Hospital: Yakima Regional Medical & Cardiac Center (509) 575-5000 (non-emergency) 911 (emergency department) 110 South 9th Avenue Yakima, WA 98944 Poison Control Center: 800-222-1222 Sheriff/Police: 911 (509) 575-6200 (City of Yakima Police Dept. non-emergency)

Fire Department: 911
(509) 837-3999 (non-emergency) *b) Emergency Contacts*8 am to 5 pm: PLSA office (509) 575-6990

Article V. Site Organization

Map/Sketch Attached YES Site Secured NO Perimeter Identified YES

EMERGENCY ROUTE

Driving directions to Yakima Regional Medical & Cardiac Center (Hospital) Total Travel Estimates: about 15 minute / 0.48 miles

1. Start out going WEST on E Mead Avenue toward S 10th Avenue.

2. Take the 1st LEFT onto S 10th Avenue.

3. Turn SLIGHT RIGHT onto Walnut Street.

4. Enter Yakima Regional Parking Lot.

APPENDIX "D"

Laboratory Analytical Reports

JULY 2014 SOIL ANALYTICAL RESULTS

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901	-	
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-001 (70813 Soil	Samp	ling Date ling Time le Locatior	7/8/2014 8:34 AM 9	Date	Time Received	7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
Cadmium		0.890	mg/Kg	0.507	7/23/2014	ETL	EPA 6020A	
Chromium		21.7	mg/Kg	0.507	7/23/2014	ETL	EPA 6020A	
Nickel		21.6	mg/Kg	0.507	7/23/2014	ETL	EPA 6020A	
Zinc		151	mg/Kg	0.507	7/23/2014	ETL	EPA 6020A	
	140714014-002					ETL	EPA 6020A	11.2
Sample Number	-		ling Date	7/8/2014	Date/	Time Received	7/11/2014	11:20 A
Client Sample ID Matrix	70814 Soil	•	ling Time le Location	8:29 AM				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium	ND	mg/Kg	0.472	7/23/2014	ETL	EPA 6020A	
Chromium	17.0	mg/Kg	0.472	7/23/2014	ETL	EPA 6020A	
Nickel	13.9	mg/Kg	0.472	7/23/2014	ETL	EPA 6020A	
Zinc	48.6	mg/Kg	0.472	7/23/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Comments

,

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 **YAKIMA, WA 98901**

Batch #: 140714014 Project Name:

VOC / METALS / PAH / PCB

Attn: DARA OSBORNE

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-003 70815 Soil	Samp	oling Date oling Time ole Location		Date/	Time Received	7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.557	7/23/2014	ETL	EPA 6020A	
Chromium		20,6	mg/Kg	0.557	7/23/2014	ETL	EPA 6020A	
Nickel		19.2	mg/Kg	0.557	7/23/2014	ETL	EPA 6020A	
Zinc		72.0	mg/Kg	0.557	7/23/2014	ETL	EPA 6020A	

Sample Number Client Sample ID Matrix	140714014-004 70816 Soil	Samp	oling Date oling Time ole Location		Date/	Time Received	7/11/2014	11:20 AM
Comments				•				
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
Cadmium		ND	mg/Kg	0.54	7/23/2014	ETL.	EPA 6020A	••••
Chromium		16.1	mg/Kg	0.54	7/23/2014	ETL	EPA 6020A	
Nickel		14.1	mg/Kg	0.54	7/23/2014	ETL	EPA 6020A	
Zinc		62.0	mg/Kg	0.54	7/23/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0096; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 **YAKIMA, WA 98901** Attn:

Batch #: 140714014 Project Name: VOC / METALS / PAH / PCB

DARA OSBORNE

Analytical Results Report

Sample Number 140714014-005 Client Sample ID 70817 Matrix Soil Comments		Sampling Date 7/8/2014 Sampling Time 9:53 AM Sample Location			Date/Time Received 7/11/2014			11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		0.595	mg/Kg	0.531	7/23/2014	ETL	EPA 6020A	
Chromium		21.0	mg/Kg	0.531	7/23/2014	ETL	EPA 6020A	
Nickel		18.6	mg/Kg	0.531	7/23/2014	ETI.	EPA 6020A	
Zinc		138	mg/Kg	0.531	7/23/2014	ETL	EPA 6020A	

Sample Number Client Sample ID Matrix Comments	140714014-006 70818 Soil	Sampling Date 7/8/2014 Sampling Time 9:40 AM Sample Location		Date/	7/11/2014	11:20 AM		
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.477	7/23/2014	ËTL	EPA 6020A	•
Chromium		19.1	mg/Kg	0.477	7/23/2014	ETL	EPA 6020A	
Nickel		17.4	mg/Kg	0.477	7/23/2014	ETL	EPA 6020A	
Zinc		56.0	mg/Kg	0.477	7/23/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210 YAKIMA, WA 98901	Project Name:	VOC / METALS / PAH / PCB
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number 140714014-007 Client Sample ID 70819 Matrix Soil Comments		Sampling Date 7/8/2014 Sampling Time 10:32 AM Sample Location			Date/Time Received 7/11/2014			11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.511	7/23/2014	ETL	EPA 6020A	
Chromium		19.9	mg/Kg	0.511	7/23/2014	ETL	EPA 6020A	
Nickel		17.2	mg/Kg	0.511	7/23/2014	ETL	EPA 6020A	
Zinc		62.2	mg/Kg	0.511	7/23/2014	ETL	EPA 6020A	

Sample Number Client Sample ID Matrix Comments	140714014-008 .70820 Soil	· · · · · · · · · · · · · · · · · · ·		7/8/2014 10:15 AM า	Date/Time Received		7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.535	7/23/2014	ETL	EPA 6020A	
Chromium		20.0	mg/Kg	0.535	7/23/2014	ETL	EPA 6020A	
Nickel		18.7	mg/Kg	0.535	7/23/2014	ETL	EPA 6020A	
Zinc		68.7	mg/Kg	0.535	7/23/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

imple Number ient Sample ID atrix omments	140714014-009 70821 Soil	1 5		Sampling Time 11:16 AM		Date/	7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.525	7/23/2014	ETL	EPA 6020A	
Chromium		18.9	mg/Kg	0.525	7/23/2014	ETL	EPA 6020A	
Nickel		17.6	mg/Kg	0.525	7/23/2014	ETL	EPA 6020A	
Zinc		68.0	mg/Kg	0.525	7/23/2014	ETL	EPA 6020A	

ample Number Client Sample ID Aatrix Comments	ient Sample ID 70822 atrix Soil		Sampling Date 7/8 Sampling Time 11: Sample Location		Date/Time Received		7/11/2014	11:20 AM	
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier	
Cadmium		ND	mg/Kg	0.503	7/23/2014	ETL	EPA 6020A		
Chromium		21.0	mg/Kg	0.503	7/23/2014	ETL	EPA 6020A		
Nickel		16.1	mg/Kg	0.503	7/23/2014	ETL	EPA 6020A		
Zinc		52.6	mg/Kg	0.503	7/23/2014	ETL	EPA 6020A		

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cent0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:Address:15 W. YAKIMA AVE STE210Project Name:YAKIMA, WA 98901YAKIMA, WA 98901Attn:DARA OSBORNE

#: 140714014 : Name: VOC / METALS / PAH / PCB

Analytical Results Report

ample Number lient Sample ID atrix comments	140714014-011 70823 Soil	Samp	oling Date oling Time ole Location	7/8/2014 11:42 AM n	Date/	Time Received	7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.46	7/23/2014	ETL	EPA 6020A	
Chromium		14.7	mg/Kg	0.46	7/23/2014	ETL	EPA 6020A	
Nickel		13.4	mg/Kg	0.46	7/23/2014	ETL	EPA 6020A	
Zinc		49.6	mg/Kg	0.46	7/23/2014	ETL	EPA 6020A	

ample Number 140714014-012 lient Sample ID 70824 atrix Soil omments		Samp	Sampling Date 7/8/2014 Sampling Time 11:31 AM Sample Location			Date/Time Received 7/11/2014		
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/Kg	0.441	7/23/2014	ETL	EPA 6020A	
Chromium		17.5	mg/Kg	0.441	7/23/2014	ETL	EPA 6020A	
Nickel		14.2	mg/Kg	0.441	7/23/2014	ETL	EPA 6020A	
Zinc		45.4	mg/Kg	0.441	7/23/2014	ETL	EPA 6020A	

Authorized Signature

. Contt

John Coddingtor, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

		DILA	Dy L/L	A 8260B						
Date Colle	ected: 07/08/14									
	le No: 227-70813		_		ounty	YAKIMA	<u></u>			
Sample Loc	ation: OWS2	<u> </u>		D (D	• •	0.5/0.14 /				
			Date Received: 07/08/14							
			Date Reported: 07/29/14							
Send Report To:			Sample Collected By: SDG SAMPLE COMMENTS Matrix: Soil							
PLSA Engineering	· · · · · · · · · · · · · · · · · · ·		SAMP		LEN15	Matri	x: Soll			
Attn: Scott Garland										
1120 West Lincoln Av	CONTRA									
Yakima, WA 98902	venue									
BTEX by EPA 8260B			I	,				<u> </u>		
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys		
Benzene	ND	ррш	0.005		1	EPA 8260B	07/17/14	125		
Toluene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
Ethylbenzene	ND	ppm	0.005		<u> </u>	EPA 8260B	07/17/14	125		
Xylenes (m,p,o)	ND	ppm	0.005			EPA 8260B	07/17/14	125		
		<i></i>			L					
			<u> </u>					[
					ļ					
						· ·				
······································		•	<u> </u>		<u> </u>					
·····	· ·			,						
	·	·		·		· · · · · · · · · · · · · · · · · · ·				
·							·			
		······································		· ·						
			-	<u> </u>						
v	· · · · · · · · · · · · · · · · · · ·					·				
	·						·			
	· · · · · · · · · · · · · · · · · · ·		ł ·							
							•••			
					— — j	·				
				·						
MRL (Method Reporting Level): Trigger: DOH Drinking Water res MCL (maximum contaminant lev ND (Not Detected): Indicates this	ponse level. Public System el): Highest level recomm	ns in excess of ended by the fe	this level mus ederal govern at a level gre	st take addition ment for public ater than or equ	al samples water syst	. Recommended rang	e on packages.			
	·····	<u></u>	Ар	proved By:		- r				
						[]				

70813-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: OWS2					Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 8:34 AM Sampled By: SDG					
PLSA Engineering	· · · · · · · · · · · · · · · · · · ·									
Attn: Scott Garland										
1120 West Lincoln Avenue					Invoice					
Yakima, WA 98902					2770					
Volatile Organic Chemicals	·····	Method: EPA 8260B Matrix: So								
VEL Sample #	227-70813									
Sample ID	עונט א לא האור משפע לו האור אין		אין אירו דאין מערוי ער פורעסאניקטרופי רעסיו ארא פיזיריא איליליק און איירו אין אייר איז אייר אייר אייר אייר איי אין אירו דאין מערוי אין מערוי אייר אייר אייר אייר אייר אייר אייר א	1)	i litan teruca wa ida ama i waa ama waa w					
Units	ppm	Limits								
Check Standards - Ave.Recovery:	- pp				····					
					· · · · · · · · · · · · · · · · · · ·					
1,2-Dichlorobenzene-d4	90.4%	(70-130)								
4-Bromofluorobenzene	95.2%	(70-130)		:						
Toluene-d8	98.8%	(70-130)								
Dichlorodifluoromethane	ND	0.005		······································						
Chloromethane	ND	0.005								
Vinyl chloride	ND	0.005								
Bromomethane	ND	0.005								
Chloroethane	ND	0.005								
Acetone	ND	0.025								
Acrolein	ND	0.005								
1,1-Dichloroethylene	ND	0.005								
Methylene chloride	ND	0.025								
Acrylonitrile	ND	0.005								
trans-1,2-Dichloroethylene	ND	0.005								
1,1-Dichloroethane	ND	0.005								
Methyl ethyl ketone (MEK)	ND	0.025								
cis-1,2-Dichloroethylene	ND	0.005								
2,2-Dichloropropane	ND	0.005								
Chloroform	ND	0.005								
Bromochloromethane	ND	0.005								
1,1,1-Trichloroethane	ND	0.005								
1,2-Dichloroethane	ND	0.005								
1,1-Dichloropropene	ND	0.005								
Carbon tetrachloride	ND	0.005								
Benzene	ND	0.005								
Frichloroethylene	ND	0.005								
Date Analyzed:	7/17/2014									
Analyst:	125									
ND = None Detected	·····	Page 1 of 3								

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

,

(509)) 575 -	3999	Fax:	(509)	<u>) 575 - 3068</u>	

	Volatile Or	ganic Com	pounds (Continued)
VEL Sample #			
Sample ID		(Al Presidence Construction and service of the serv	
Units	ppm	Limts	
1,2-Dichloropropane	ND	0.005	
Dibromomethane	ND	0.005	
Bromodichloromethane	ND	0.005	
cis-1,3-Dichloropropene	ND	0.005	
Toluene	ND	0.005	
trans-1,3-Dichloropropene	ND	0.005	
1,1,2-Trichloroethane	ND	0.005	
1,3-Dichloropropane	ND	0.005	
Dibromochloromethane	ND	0.005	
Tetrachloroethylene	ND	0.005	
1,2-Dibromoethane	ND	0.001	
Chlorobenzene	ND	0.005	
1,1,1,2-Tetrachloroethane	ND	0.005	
Ethylbenzene	ND	0.005	
m,p-Xylene	ND	0.005	
Styrene	ND	0.005	
o-Xylene	ND	0.005	
Bromoform	ND	0.005	
1,1,2,2-Tetrachloroethane	ND	0.005	
1,2,3-Trichloropropane	ND	0.005	
Bromobenzene	ND	0.005	
n-Propylbenzene	ND	0.005	
2-Chlorotoluene	ND	0.005	
4-Chlorotoluene	ND	0.005	
1,3,5-Trimethylbenzene	ND	0.005	
tert-Butylbenzene	ND	0.005	
1,2,4-Trimethylbenzene	ND	0.005	
sec-Butylbenzene	ND	0.005	
1,3-Dichlorobenzene	ND	0.005	
1,4-Dichlorobenzene	ND	0.005	
4-Isopropyltoluene	ND	0.005	
1,2-Dichlorobenzene	ND	0.005	
n-Butylbenzene	ND	0.005	
1,2-Dibromo-3-chloropropane	ND	0.005	
1,2,4-Trichlorobenzene	ND	0.005	
Naphthalene	ND	0.005	
Date Analyzed:	7/17/2014		
Analyst:	125		
			Page 2 of 3
			1 ago 2 01 J

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile Or	ganic Co	mpounds (Con	tinued)	
VEL Sample #	227-70813				
Sample ID		NARA (MANANA) BUTTAN PUBLIN DALAR DADA MU	na a marta da sel a la la constanción a casa a casa a casa a fas fasta de acordo constanción a casa de acordo c	18 I MAR (19 MARINE MARINE) I POLINIZATA I MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARIN	
Units		Limits			
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.005			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.0130	0.005			
·····					
· · · · · · · · · · · · · · · · · · ·					
· · · · · · · · · · · · · · · · · · ·					
· ·					
·					
			•		
Date Analyzed:	7/17/2014		- ha:		
Analyst:	125				
				·····	t, , , , , , , , , , , , , , , , , ,
			Page 3 of 3	m	

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	Date Collected	: 07/08/14									
	Lab/Sample No				C	ounty:	YAKIMA				
	Sample Location:	: OWS2					<u> </u>				
		·		Date Received: 07/08/14							
	····		·	Date Reported: 07/29/14							
	D			Sample Collected By: SDG SAMPLE COMMENTS Matrix: Soil							
	Report To:		<u>.</u>	SAMPI	LE COMM	ENTS	Matri	x: Soil			
	PLSA Engineering										
	Attn: Scott Garland										
	1120 West Lincoln Avenue	9									
	Yakima, WA 98902										
]	PCB's (Soil)										
ОН#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy		
	Aroclor 1016	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
	Aroclor 1221	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
1	Aroclor 1232	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
	Aroclor 1242	ND	mg/kg	0.1		ļ	EPA 8082	07/22/14	125		
	Aroclor 1248	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
· · · · · · · - 	Aroclor 1254	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
	Aroclor 1260	ND	mg/kg	0.1	·		EPA 8082	07/22/14	125		
	PCB 8082 (total)	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
							* en auto a				
	Surrogate Std:										
	DCB	102.0	%	30-130	• • •		EPA 8082	07/22/14	125		
							a . <u></u>				
				<u> </u>			······				
	· · · ·										
		· ··		<u> </u>							
								_			
	·		·								
			··								
<u> </u>	IRL (Method Reporting Level): Indica	tes the minimum r	enorting level -	required and a	htgined by the	laborator	(MDF ~ MDI ~ 907 \	<u> </u>			
	rigger: DOH Drinking Water response la										
	4CL (maximum contaminant level): Hi							se on packages.			
	D (Not Detected): Indicates this compo			-	-	-					
				at a lot of glt		aan to tife P		-			
				Ар	proved By:		\/		_		

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70813-pcbs

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

	Date Collected:		inum, ci			,					
	Lab/Sample No:			County: YAKIMA							
	Sample Location:	OWS2		Date Received: 07/08/14							
				 							
1097,05 1097,05				G	*		07/29/14				
C I	Den ent Tex				ole Collect	-		<u>a a</u>			
Sena	Report To:	SAMPI	LE COMM	IEN15	Matri	x: Soll					
	PLSA Engineering Attn: Scott Garland										
	1120 West Lincoln Avenue	, ,									
	Yakima, WA 98902										
	Cadmium, Chromium, Nic	kel, Zinc									
DOH#	Analytes	Results	Units	MRL	Trigger	MCL		Analyzed			
	Cadmium	0.890	mg/kg	0.507			EPA 6020A		125		
	Chromium	21.7	mg/kg	0.507			EPA 6020A	07/23/14	· · · ·		
	Nickel	21.6	mg/kg	0.507			EPA 6020A	07/23/14	125		
	Zinc	151	mg/kg	0.507			EPA 6020A	07/23/14	125		
i	MRL (Method Reporting Level): Indicat Trigger: DOH Drinking Water response le MCL (maximum contaminant level): Hig ND (Not Detected): Indicates this compour	vel. Public Syster hest level recomm	ns in excess of the	nis level mus leral governm at a level grea	t take additiona nent for public	l samples. water syste	Recommended range	on packages.			

70813-cdcrni

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
`	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: Project Name:

140714014

e: VOC / METALS / PAH / PCB

Analytical Results Report

Sample Number 140/14014-001 Sampling Date //8/2014 Date/Time Received 7/11/2014 11:20 AM Client Sample JD 70813 Sampling Time 8:34 AM Matrix Soil Sample Location Comments Comments	Matrix	,		7/8/2014 8:34 AM	Date/Time Received	7/11/2014	11:20 AM	
---	--------	---	--	---------------------	--------------------	-----------	----------	--

	Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
	1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
6 0	1,2-Dibromoethane	ND	mg/kg	0.001 🤤	> 7/17/2014	SAT	EPA 8260B	
	1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,3-Dichlorobenzene	ND	m g /kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
€.2	2-hexanone	ND	mg/kg	0.025 🕋	7/17/2014	SAT	EPA 8260B	
	4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ę. 3	Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
	Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
	Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Batch #: 140714014 Address: 15 W. YAKIMA AVE STE210 Project Name: VOC / METALS / PAH / PCB YAKIMA, WA 98901 DARA OSBORNE Production Dependence Project Name:

Analytical Results Report

Sample Number	140714014-001	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70813	Sampling Time	8:34 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
lsopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
∞Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025 ^{&\$}	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025 🥙	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA0D169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901YAKIMA, WA 98901Project Name:VOC / METALS / PAH / PCBAttn:DARA OSBORNEPatrixDara Statement

Analytical Results Report

ample Number ient Sample ID atrix omments	140714014-001 70813 Soil		Sampling D Sampling T Sample Loc	ime	7/8/2014 Date 8:34 AM	e/Time Rece	ived 7/ 11 /2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
Styrene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
tert-Butylbenze	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethe	ene	0.0130	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichle	proethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichle	propropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene	•	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouron	neihane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture		10.3	Percent		7/17/2014	SAT	%moisture	

Surrogate Data

Sample Number 140714014-001			
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	90.4	70-130
4-Bromofluorobenzene	EPA 8260B	95.2	70-130
Toluene-d8	EPA 8260B	98.8	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO.ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		
	A so a la state a la D a	and the Discount	

Analytical Results Report

ample Number Hent Sample ID Aatrix Comments	140714014-001 70813 Soil		Sampling Da Sampling Ti Sample Loc	me	7/8/2014 8:34 AM	Date/Time Rece Extraction Date	ived 7/11/2014 7/17/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis E)ate Analyst	Method	Qualifie
2-Methyinaphth	alene	0.0221	mg/Kg	0.01	7/17/20	14 EMP	EPA 8270D	
Acenaphthene		ND	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D	
Acenaphthylen	e	ND	mg/Kg	0.01	7/17/201	14 EMP	EPA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D	
Benzo(ghi)pery	lene	0.0206	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D	
Benzo[a]anthra	cene	0.0186	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D	
Benzo[a]pyrene	;	ND	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D	
Benzo[b]fluorar	thene	0.0122	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D	
Benzo[k]fluoran	thene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Chrysene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Dibenz[a,h]anth	racene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Fluoranthene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Indeno[1,2,3-cd]pyrene	0.0124	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Naphthalene		0.0159	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Phenanthrene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
Pyrene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D	
%moisture		10.3	Percent		7/17/201	4 SAT	%moisture	

Sample Number	140714014-001			
Surrogate S	Standard	Method	Percent Recovery	Control Limits
Terphenyl-d	14	EPA 8270D	90.3	18-137
	- · · · · · · · · · · · · · · · · · · ·			

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO.ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-001 70813 Soil		Sampling Da Sampling Ti Sample Loca	me	7/8/2014 8:34 AM	Date/Time Rece Extraction Date	ived 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifier
Aroclor 1016 (I	PCB-1016)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1221 (F	PCB-1221)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1242 (F	°CB-1242)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1248 (F	PCB-1248)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1254 (F	PCB-1254)	ND	mg/Kg	0.1	7/22/201-	4 SAT	EPA 8082	
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
PCB 8082 (tota	el)	ND	mg/kg	0.1	7/22/2014	4 SAT	EPA 8082	
%moisture		10.3	Percent		7/17/2014	4 SAT	%moisture	
			Surroga	ite Dat	ta			
mple Number	140714014-001							
Surrogate St	andard		Method		Pe	ercent Recovery	Control L	imits
DCB			EPA 808	2		102.0	30-13	0

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO.ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

	Date Colle	cted: 07/08/14									
		e No: 227-70814			C	county:	YAKIMA				
	Sample Loca	tion: OWS13		Date Received: 07/08/14							
	· · · · · · · · · · · · · · · · · · ·		<u></u>								
				Date Reported: 07/29/14 Sample Collected By: SDG							
end	Report To:			SAMPLE COMMENTS Matrix: Soil							
	PLSA Engineering								. <u>.</u>		
	Attn: Scott Garland										
	1120 West Lincoln Av	enue									
	Yakima, WA 98902										
	BTEX by EPA 8260B		<u></u>				<u> </u>				
OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy		
+	Benzene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
······	Toluene	ND	ppm	0.005	·		EPA 8260B	07/17/14			
	Ethylbenzene	ND	ppm	0.005		+	EPA 8260B	07/17/14	125		
	Xylenes (m,p,o)	ND	ppm	0.005		ļ	EPA 8260B	07/17/14	125		
	·										
						†		~			
							· · · · · · · · · · · · · · · · · · ·		1		
				· · · ·		 					
							· · · · ·				
			· · ·				····				
	······································					+					
							·				
ĺ				-							
									· · · ·		
 					· <u> </u>				1		
_	,			+							
					<u></u> _		· · · · · · · · · · · · · · · · ·	_			
				· · · · · ·	··						
T M	ARL (Method Reporting Level): 'rigger: DOH Drinking Water response ACL (maximum contaminant level): ID (Not Detected):	ponse level. Public System el): Highest level recomm	ns in excess of rended by the f	this level mu ederal govern	st take addition ment for public	al samples water sys	s. Recommended rang				
			Approved By:								

70814-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, St 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: OWS13	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 8:29 AM Sampled By: SDG				
PLSA Engineering					
Attn: Scott Garland					
1120 West Lincoln Avenue					Invoice
Yakima, WA 98902					<u>2770</u>
Volatile Organic Chemicals		Method	EPA 8260B	Matrix:	
VEL Sample #	227-70814				
Sample ID	1710 (0.94) IN CALIFORNIA AND INCOMENDATION OF A COMPLEX OF	Mistorian Concession Concession Concession	In the second construction of the second s		יר מוזע מערכי עלי אין לא אין אין אין אין אין אין אין אין אין אי
Units	ррт	Limits			
Check Standards - Ave.Recovery:	phu	Linits			
Show Standards Artifictorely.		·····			
1,2-Dichlorobenzene-d4	88.0%	(70-130)			
4-Bromofluorobenzene	94.0%	(70-130)		i	
Toluene-d8	99.6%	(70-130)			
Dichlorodifluoromethane	ND	0.005			
Chloromethane	ND	0.005			
Vinyl chloride	ND	0.005			
Bromomethane	ND	0.005			
Chloroethane	ND	0.005			
Acetone	ND	0.025			
Acrolein	ND	0.005			
1,1-Dichloroethylene	ND	0.005			
Methylene chloride	ND	0.025			
Acrylonitrile	ND	0.005			
rans-1,2-Dichloroethylene	ND	0.005			
1,1-Dichloroethane	ND	0.005			
Methyl ethyl ketone (MEK)	ND	0.025			
cis-1,2-Dichloroethylene	ND	0.005			
2,2-Dichloropropane	ND	0.005			
Chloroform	ND	0.005			
Bromochloromethane	ND	0.005			
,1,1-Trichloroethane	ND	0.005			
,2-Dichloroethane	ND	0.005			
,1-Dichloropropene	ND	0.005			
Carbon tetrachloride	ND	0.005			
Benzene	ND	0.005			
richloroethylene	ND	0.005			
Date Analyzed:	7/17/2014				
Analyst:	125		1		

VALLEY Environmental Laboratory 15 W. Yakima Ave, St 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

	V	'olatile Or	ganic Com	oounds (Cor	ntinued)
VEL Sam Samp	ple #	227-70814 OWS13 ppm	Limts	M-9-19-19-19-19-19-19-19-19-19-19-19-19-1	Ref Courses and an an annual second
1,2-Dichloropropane		ND	0.005	3	
Dibromomethane		ND	0.005		
Bromodichloromethane		ND	0.005		
cis-1,3-Dichloropropene		ND	0.005		
Toluene		ND	0.005	ŕ	
trans-1,3-Dichloropropene		ND	0.005		
1,1,2-Trichloroethane		ND	0.005		
1,3-Dichloropropane		ND	0.005		
Dibromochloromethane		ND	0.005		
Tetrachloroethylene		ND	0.005		
1,2-Dibromoethane		ND	0.001		

		- No ⁴	Page 2 of 3		·
Analyst:	125				
Date Analyzed:	7/17/2014				-
Naphthalene	ND	0.005			
1,2,4-Trichlorobenzene	ND	0.005			
1,2-Dibromo-3-chloropropane	ND	0.005			
n-Butylbenzene	ND	0.005			
1,2-Dichlorobenzene	ND	0.005			
4-Isopropyltoluene	ND	0.005			
1,4-Dichlorobenzene	ND	0.005			
1,3-Dichlorobenzene	ND	0.005			
sec-Butylbenzene	ND	0.005			
1,2,4-Trimethylbenzene	ND	0.005			
tert-Butylbenzene	ND	0.005			
1,3,5-Trimethylbenzene	ND	0.005			
4-Chlorotoluene	ND	0.005			
2-Chlorotoluene	ND	0.005			
n-Propylbenzene	ND	0.005			
Bromobenzene	ND	0.005			
1,2,3-Trichloropropane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
Bromoform	ND	0.005			
o-Xylene	ND	0.005	Í	ľ	
Styrene	ND	0.005			
m,p-Xylene	ND ND	0.005			
Ethylbenzene	ND	0.005			
1,1,1,2-Tetrachloroethane	ND	0.005			
Chlorobenzene		0.001			

VALLEY Environmental Laboratory 15 W. Yakima Ave, St 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

(509) 575 - 5999 Fax: (505			npounds (Cor	ntinued)	
VEL Sample #		game Cor			
Sample ID	and the second	IRACIOS MALIANDE) DIVID DIRUCEAU AGA	544) maa maa maa maa maa maa maa maa maa ma	1977 PLOT COMPANY I DE LA COMUNICIA DE LA COMUNICIÓN (1976) (1976) MUNICIPAL DE LA COMUNICIÓN (1976) MUNICIPAL	ין קרקארו קרקאנו שאורוע (מנוסח פערעט וויזאאריפאר יידע עוילטילי) קריקארו קרקאנו או אוויז איני איני איני איני איני איני איני אי
Units		Limits			
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			to a final summary of
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			1
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005		1	
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.005			
methyl-t-butyl ether (MTBE)	ND	0.025			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005	-		
trans-1,2-Dichloroethene	ND	0.005		Ì	
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.0156	0.005			
	0.0150	0.005			
·····	-				7
	4				
	Ì				
					:
• ,					
· · · · · · · · · · · · · · · · · · ·					2
······································	1				
Date Analyzed:	7/17/2014		· · · · · · · · · · · · · · · · · · ·		
Date Analyzeu: Analyst:	125				
Analyst.	125		ļ <u> </u>	1	
			Page 3 of 3	N	
	·		1 age 5 01 5	<u> </u>	

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	Date Colle	cted: 07/08/14							
	Lab/Sample	e No: 227-70814			C	county:	YAKIMA		
		tion: OWS-13				<u> </u>			
1					Date Re	ceived:	07/08/14	· <u> </u>	
							07/29/14		
				Samp	le Collect				
Send	Report To:	· · · · · · · · · · · · · · · · · · ·			E COMM			x: Soil	
• • •	PLSA Engineering								
	Attn: Scott Garland								
	1120 West Lincoln Av	enue							
	Yakima, WA 98902	Chuc							
	PCB's (Soil)		<u> </u>						
OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyz
	Aroclor 1016	ND	mg/kg	0.1	11166*1		EPA 8082	07/22/14	125
	Aroclor 1221	ND ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1232	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1242	ND	mg/kg	0.1	·		EPA 8082	07/22/14	125
	Aroclor 1248	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1254	ND	 mg/kg	0.1	·		EPA 8082	07/22/14	125
`	Aroclor 1260	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	PCB 8082 (total)	ND	mg/kg	0.1			EPA 8082	07/22/14	125
			0						1
							· ·		
	Surrogate Std:								
	DCB	93.3	%	30-130			EPA 8082	07/22/14	125
	· · · · · · · · · · · · · · · · · · ·							·	
	; 								
							· · ·	_	
		<u> </u>						<u> </u>	
	MRL (Method Reporting Level): Trigger: DOH Drinking Water resp MCL (maximum contaminant leve ND (Not Detected): Indicates this o	ponse level. Public System el): Highest level recomm	ns in excess of nended by the f	this level mu: ederal govern 1 at a level gre	st take addition ment for public cater than or eq	al samples	. Recommended rang		
				Ap	proved By:		/		-

70814-pcbs

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

			, 01	T	m, Nicke	, <u>2.11</u>			
	Date Colle	cted: 07/08/14							
		e No: 227-70814			C	ounty	YAKIMA		
1001-1000-1000-100	Sample Loca	tion: OWS13							
		··· .					: 07/08/14		
							07/29/14		
					ole Collect	-	: SDG		
	Report To:			SAMPI	LE COMM	IENTS	Matri	x: Soil	
	PLSA Engineering								
	Attn: Scott Garland								
	1120 West Lincoln Av	enue							
	Yakima, WA 98902								
	Cadmium, Chromium	, Nickel, Zinc					- -		
	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	l Analy
	Cadmium	ND	mg/kg	0.472			EPA 6020A	07/23/14	125
	Chromium	17.0	mg/kg	0.472			EPA 6020A	07/23/14	
	Nickel	13.9	mg/kg	0.472			EPA 6020A	07/23/14	125
4	Zinc	48.6	mg/kg	0.472			EPA 6020A	07/23/14	125
			·						
									
						-			
-									
									[
					· <u></u>				
									ŀ
				-	-			· ·	
T M	IRL (Method Reporting Level): 'rigger: DOH Drinking Water resp ICL (maximum contaminant level): D (Not Detected): Indicates this c	onse level. Public System I): Highest level recomme	is in excess of the feet	nis level mus leral governn	t take additional nent for public v	l samples. water syste	Recommended range	on packages.	

70814-cdcrni

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anatekiabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210

YAKIMA, WA 98901

Project Name:

Batch #:

140714014 VOC / METALS / PAH / PCB

Attn:

DARA OSBORNE

Analytical Results Report

Sample Number	140714014-002	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70814	Sampling Time	8:29 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001 -	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025 ·	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025 🧳	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO.ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200D01-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0096; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEVOC / METALS / PAH / PCB

Analytical Results Report

Sample Number140714014-002Sampling Date7/8/2014Date/Time Received7/11/201411:20 AMClient Sample ID70814Sampling Time8:29 AMMatrixSoilSample LocationCommentsCommentsComments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
lsopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025 🖌	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025 -	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anatekiabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anatekiabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901Project Name:VOC / METALS / PAH / PCBAttn:DARA OSBORNEImage: Comparison of the state of th

Analytical Results Report

ample Number lient Sample ID latrix omments	140714014-002 70814 Soil		Sampling D Sampling Ti Sample Loc	me	7/8/2014 Dat 8:29 AM	e/Time Rece	ived 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
tert-Butylbenze	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroeth	ene	0.0156	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichle	proethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichl	propropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouror	nethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture		4.5	Percent		7/17/2014	SAT	%moisture	

ample Number	140714014-002			
Surrogate S	tandard	Method	Percent Recovery	Control Limits
1,2-Dichlorol	benzene-d4	EPA 8260B	88.0	70-130
4-Bromofiuo	robenzene	EPA 8260B	94.0	70-130
Toluene-d8		EPA 8260B	99.6	70-130

Surrogate Data

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Batch #: 140714014 Address: 15 W. YAKIMA AVE STE210 VOC / METALS / PAH / PCB Project Name: **YAKIMA, WA 98901** Attn: DARA OSBORNE

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-002 70814 Soil		Sampling Da Sampling Ti Sample Loc	me		ate/Time Rece xtraction Date		11:20 AM
Parameter		Result	Units	PQL	Analysis Dat	e Analyst	Method	Qualifie
2-Methylnaphth	alene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthylen	e	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo(ghi)pery	ene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]anthra	cene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]pyrene	;	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[b]fluorar	thene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[k]fluorar	thene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Chrysene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Dibenz[a,h]anth	racene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluoranthene		NÐ	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Indeno[1,2,3-cd]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Naphthalene		ND	mg/Kg	0.01	7/1 7/2014	EMP	EPA 8270D	
Phenanthrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Pyrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
%moisture		4.5	Percent		7/17/2014	SAT	%moisture	
		· · · · · · · · · · · · · · · · · · ·	Surrog	ate Da	ta		<u> </u>	· • •

Surrogate Standard	Method	Percent Recovery	Control Limits	
Terphenyl-d14	EPA 8270D	94.6	18-137	

Certifications held by Anatek Labs ID. EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cent0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, iD 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-002 70814 Soil		Sampling Date Sampling Time Sample Location			Date/Time Receiv Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM	
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifie	
Aroclor 1016 (F	PCB-1016)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082		
Aroclor 1221 (F	°CB-1221)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082		
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082		
Aroclor 1242 (F	CB-1242)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082		
Aroclor 1248 (F	CB-1248)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082		
Aroclor 1254 (F	PCB-1254)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082		
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082		
PCB 8082 (tota	l)	ND	mg/kg	0.1	7/22/2014	4 SAT	EPA 8082		
%moisture	·	4.5	Percent		7/17/2014	4 SAT	%moisture		
			Surroga	ite Dat	a				
mple Number	140714014-002					<u> </u>			
Surrogate St	andard		Method		Percent Recovery		Control Limits		
DCB			EPA 808	2		93.3	30-130		

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C586; MT:Cert0095; FL(NELAP): E871099

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

Date Collec	ted: 07/08/14			A 8260B			· · ·			
	No: 227-70815		County: YAKIMA Date Received: 07/08/14							
Sample Locat	ion: DRUM2									
	<u> </u>		1			: 07/29/14				
			Sam	ole Collect						
end Report To:				LE COMM			x: Soil			
PLSA Engineering						·····				
Attn: Scott Garland										
1120 West Lincoln Ave	enue									
Yakima, WA 98902										
BTEX by EPA 8260B				····						
OOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys		
Benzene	ND	ppm	0.005	·		EPA 8260B	07/17/14	125		
Toluene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
Ethylbenzene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
Xylenes (m,p,o)	ND	ppm	0.005			EPA 8260B	07/17/14	125		
· · ·.						·				
		·								
			·	· .						
				·	- ·	· · · · · · · · · · · · · · · · · · ·				
					<u> </u>	· · · · · · · · · · · · · · · · · · ·				
		•		······	· .	· ·				
· · · ·			·			· ·	•			
······································	·····				· ··					
						·		·		
			_							
								· ·		
	·									
		·					·			
BADI /AF II IN II										
MRL (Method Reporting Level): Trigger: DOH Drinking Water respondence MCL (maximum contaminant level ND (Not Detected): Indicates this co	onse level. Public System): Highest level recomm	ns in excess of rended by the f	this level mu ederal govern	st take addition ment for public	al samples water sys	s. Recommended rang				
			Ap	proved By:		ir-				

70815-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Sampled At: DRUM2	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 9:10 AM Sampled By: SDG					
PLSA Engineering						
Attn: Scott Garland						
1120 West Lincoln Avenue				1	[nvoice#	
Yakima, WA 98902				2	27700	
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: Soil		
VEL Sample #	227-70815					
Sample ID	INCHES INTERNET OF THE AND IN THE REAL PROPERTY OF	an na n	N PROCESSION TRANSPORTATION (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999)	uni an agu an	#10Feeb34a3a514F245a5a444eeaaaaaaa	
Units	I I	Limits				
Check Standards - Ave.Recovery:	ppm	Lamits				
	1		+			
1,2-Dichlorobenzene-d4	89.6%	(70-130)				
4-Bromofluorobenzene	95.6%	(70-130)				
Foluene-d8	98.4%	(70-130)				
Dichlorodifluoromethane	ND	0.005				
Chloromethane	ND	0.005				
Vinyl chloride	ND	0.005				
Bromomethane	ND	0.005				
Chloroethane	ND	0.005				
Acetone	ND	0.025				
Acrolein	ND	0.005				
,1-Dichloroethylene	ND	0.005				
Methylene chloride	ND	0.025				
Acrylonitrile	ND	0.005				
rans-1,2-Dichloroethylene	ND	0.005				
,1-Dichloroethane	ND	0.005				
Methyl ethyl ketone (MEK)	ND	0.025				
is-1,2-Dichloroethylene	ND	0.005				
,2-Dichloropropane	ND	0.005				
Chloroform	ND	0.005				
Bromochloromethane	ND	0.005				
,1,1-Trichloroethane	ND	0.005				
,2-Dichloroethane	ND	0.005				
,1-Dichloropropene	ND	0.005				
Carbon tetrachloride	ND	0.005				
Senzene	ND	0.005				
richloroethylene	ND	0.005		<u> </u>		
Date Analyzed:	7/17/2014					
Analyst:	125					

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile Organic Compounds (Continued)						
VEL Sample #							
Sample ID		adal fordel i i manimum manimum (manimum (manimum (manimum))) I					
Units		Limts					
1,2-Dichloropropane	ND	0.005					
Dibromomethane	ND	0.005					
Bromodichloromethane	ND	0.005					
cis-1,3-Dichloropropene	ND	0.005					
Toluene	ND	0.005					
trans-1,3-Dichloropropene	ND	0.005					
1,1,2-Trichloroethane	ND	0.005					
1,3-Dichloropropane	ND	0.005					
Dibromochloromethane	ND	0.005					
Tetrachloroethylene	ND	0.005					
1,2-Dibromoethane	ND	0.003					
Chlorobenzene	ND	0.001					
1,1,1,2-Tetrachloroethane	ND	0.005					
Ethylbenzene	ND	0.005					
m,p-Xylene	ND	0.005					
Styrene	ND	0.005					
o-Xylene	ND	0.005					
Bromoform	ND	0.005					
1,1,2,2-Tetrachloroethane	ND	0.005					
1,2,3-Trichloropropane	ND	0.005					
Bromobenzene	ND	0.005					
n-Propylbenzene	ND	0.005					
2-Chlorotoluene	ND	0.005					
4-Chlorotoluene	ND	0.005					
1,3,5-Trimethylbenzene	ND	0.005					
tert-Butylbenzene	ND	0.005					
1,2,4-Trimethylbenzene	ND	0.005					
sec-Butylbenzene	ND	0.005					
1,3-Dichlorobenzene	ND	0.005					
1,4-Dichlorobenzene	ND	0.005					
4-Isopropyltoluene	ND	0.005					
1,2-Dichlorobenzene	ND	0.005					
n-Butylbenzene	ND	0.005					
1,2-Dibromo-3-chloropropane	ND	0.005					
1,2,4-Trichlorobenzene	ND	0.005					
Naphthalene	ND	0.005					
Date Analyzed:	7/17/2014						
Analyst:	125						
			Page 2 of 3				

њ. .

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

	Lab/Sample N	o: 227-70815			<u>_</u>	ountr	YAKIMA		· · · · · ·		
	Sample Locatio					<u>ounty</u> .	TANIMA				
				Date Received: 07/08/14							
190.45		· · · · · · · · · · · · · · · · · · ·					07/29/14	· ·	······		
				Sam	le Collect						
Send	Report To:	~	E COMM	•	Matri	x: Soil					
	PLSA Engineering	· · · · · · · · · · · ·									
	Attn: Scott Garland										
	1120 West Lincoln Aven	ue									
	Yakima, WA 98902										
	Polynuclear Aromatic H	vdrocarbons		<u> </u>				- <u></u>			
DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys		
	Acenaphthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Acenaphthylene	ND	mg/kg	0.01		<u> </u>	EPA 8270D	07/17/14	125		
	Anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(a)anthracene	ND	mg/kg	0.01		-	EPA 8270D	07/17/14	125		
	Benzo(a)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(b)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(ghi)perylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(k)fluoranthene	ND	mg/kg	0.01	· · · -		EPA 8270D	07/17/14	125		
	Chrysene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Fluorene	ND	mg/kg	0.01	<u></u>		EPA 8270D	07/17/14	125		
	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Naphthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Phenanthrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
			mg/kg	0.01			EPA 8270D	07/17/14	125		
	2-Methylnapthalene	ND									
	2-Methylnapthalene	ND									
	Surrogate Std:			18-137			EPA 8270D	07/17/14	125		
		ND 93.9		18-137			EPA 8270D	07/17/14	125		

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3067 0815-8270 pah

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	Date Collect	ed: 07/08/14										
		No: 227-70815		County: YAKIMA								
S	ample Location	on: DRUM-2		Date Received: 07/08/14 Date Reported: 07/29/14								
				Samn	le Collect							
end Report To:		······································			E COMM			x: Soil				
PLSA Eng	ineering			1								
Attn: Scott	-											
1120 West	Lincoln Aver	nue										
Yakima, W	A 98902											
PCB's (Soi	·····				ŢĿ Ţ				•			
OH# Analytes	<u>.</u>	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
Aroclor 101	б —	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
Aroclor 122		ND	mg/kg	0.1			EPA 8082	07/22/14	125			
Aroclor 1232		ND	mg/kg	0.1]	EPA 8082	07/22/14	125			
Aroclor 1242		ND	mg/kg	0.1			EPA 8082	07/22/14	125			
Aroclor 124		ND	mg/kg	0.1			EPA 8082	07/22/14	125			
Aroclor 1254		ND	mg/kg	0.1			EPA 8082	07/22/14	125			
Aroclor 1260		ND	mg/kg	0.1			EPA 8082	07/22/14	125			
PCB 8082 (t	otal)	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
Surrogate St	 1:						• • • •					
		103.0	%	30-130			EPA 8082	07/22/14	125			
		· · · · · · · · · · · · · · · · · · ·										
					·							
					······································				 			
Trigger: DOH D MCL (maximum	inking Water respon contaminant level):	dicates the minimum r ise level. Public Syster Highest level recomm npound was analyzed a	ns in excess of rended by the f	this level mused entry	st take addition ment for public	al samples. water syste	Recommended rang		<u></u>			
				ÁD	proved By:		k /					

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70815-pcbs

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

<u> </u>	Date Collected		- <u> </u>	<u> </u>	III, MICKE	-,						
	Lab/Sample No		5	County: YAKIMA								
*****	Sample Location	: DRUM2										
				<u></u>			07/08/14					
			····		^		07/29/14					
					ole Collect	-						
Send	Report To:			SAMPI	LE COMM	ENTS	Matri	x: Soil				
	PLSA Engineering											
	Attn: Scott Garland											
	1120 West Lincoln Avenu	e		[
	Yakima, WA 98902											
	Cadmium, Chromium, Ni											
DOH#	Analytes	Results	Units	MRL	Trigger	MCL		Analyzed	1			
	Cadmium	ND	mg/kg	0.557			EPA 6020A	07/23/14				
	Chromium	20.6	mg/kg	0.557			EPA 6020A	07/23/14				
	Nickel	19.2	mg/kg	0.557			EPA 6020A	07/23/14				
	Zinc	72.0	mg/kg	0.577			EPA 6020A	07/23/14	125			
	· · .											
								•				
					<u> </u>		· · · · · · · · · · · · · · · · · · ·					
	· · · · · · · · · · · · · · · · · · ·											
	·											
	······											
	MRL (Method Reporting Level): Indica	(
	Trigger: DOH Drinking Water response h MCL (maximum contaminant level): Hig ND (Not Detected): Indicates this compot	evel. Public System ghest level recomm	ns in excess of the nended by the fea	nis level mus leral governr at a level grea	t take additional	l samples. water syste	Recommended range	on packages.				

70815-cdcrni

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID	140714014-003 70815 ::	Sampling Date Sampling Time	7/8/2014 9:10 AM	Date/Time Received	7/11/2014	11:20 AM	
Matrix Comments	Soil	Sample Location					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA: D00013; AZ:0701; CO: ID00013; FL(NELAP): E87893; ID: ID00013; MT: CERT0028; NM: ID00013; OR: ID200001-002; WA: C595 Certifications held by Anatek Labs WA: EPA: WA00169; ID: WA00169; WA: C585; MT: Cert0035; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEEndedEnded

Analytical Results Report

Sample Number	140714014-003	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID Matrix	70815 Soil	Sampling Time Sample Location	9:10 AM			
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Isopropyibenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Attn: DARA OSBORNE

Analytical Results Report

ample Number 140714014-003 lient Sample ID 70815 atrix Soil omments		Sampling D Sampling Ti Sample Loc	ime	7/8/2014 Dat 9:10 AM	ived 7/11/2014	11:20 AM	
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
tert-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethene	0.0104	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture	13.7	Percent		7/17/2014	SAT	%moisture	

Sample Number	140714014-003			
Surrogate	Standard	Method	Percent Recovery	Control Limits
1,2-Dichlor	obenzene-d4	EPA 8260B	89.6	70-130
4-Bromoflu	probenzene	EPA 8260B	95.6	70-130
Toluene-d8		EPA 8260B	98.4	70-130

Surrogate Data

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0096; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:			AB		Batch #: 140714014						
Address:	15 W. YAKIMA AVE	STE210			Project Nan	ne: VOC	C / METALS / F	PAH / PCI			
	YAKIMA, WA 98901										
Attn:	DARA OSBORNE										
Analytical Results Report											
Sample Number	140714014-003		Sampling Da		7/8/2014 Date	/Time Rece	ived 7/11/2014	11:20 AN			
Client Sample ID	70815		Sampling Ti	me	9:10 AM Extr	action Date	7/17/2014				
Matrix	Soil		Sample Loc	ation							
Comments											
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie			
2-Methylnaph	thalene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Acenaphthen	e	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Acenaphthyle	ene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Anthracene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Benzo(ghi)pe	rylene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Benzo[a]anth	racene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Benzo[a]pyrei	ne	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Benzo[b]fluor	anthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Benzo[k]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Chrysene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Dibenz[a,h]an	thracene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Fluoranthene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Fluorene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Indeno[1,2,3-c	cd]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Naphthalene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Phenanthrene)	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
Pyrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D				
%moisture		13.7	Percent		7/17/2014	SAT	%moisture				
			Surrog	ate Da	ta			,,,			
nple Number	140714014-003		······································								
Surrogate S	Standard		Method		Percen	t Recovery	Control L	imits			

EPA 8270D

93,9

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Terphenyl-d14

18-137

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-003 70815 Soil		Sampling Da Sampling Ti Sample Loca	me	7/8/2014 9:10 AM	Date/Time Rece Extraction Date		11:20 AM
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifie
Aroclor 1016 (F	CB-1016)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1221 (F	CB-1221)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1232 (F	CB-1232)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1242 (F	CB-1242)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1248 (F	CB-1248)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1254 (F	CB-1254)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1260 (F	CB-1260)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
PCB 8082 (tota	1)	ND	mg/kg	0.1	7/22/201	4 SAT	EPA 8082	
%moisture		13.7	Percent		7/17/201	4 SAT	· %moisture	
			Surroga	ate Dat	a			
mple Number	140714014-003							
Surrogate St	andard		Method		Pe	ercent Recovery	Control L	.imits
DCB			EPA 808	2		103.0	30-13	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

	mple No: 227-70816 Location: DRUM14				ountry				
end Report To:	Jocation: DRUM14		-		ounty:	YAKIMA			
				Data Da	nivad	07/00/17			
	·····		Date Received: 07/08/14 Date Reported: 07/29/14						
	······································		Sample Collected By: SDG						
				LE COMM	*	and the second	x: Soil	·	
	<u>r</u>								
Attn: Scott Garla	—								
1120 West Lincol									
Yakima, WA 989									
BTEX by EPA 82						· · · · · · · · · · · · · · · · · · ·			
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Anal	
Benzene	ND	ppm	0.005			EPA 8260B	07/17/14	125	
Toluene	ND	ррт	0.005			EPA 8260B	07/17/14	125	
Ethylbenzene	ND	ppm	0.005			EPA 8260B	07/17/14	125	
Xylenes (m,p,o)	ND	ppm	0.005		L	EPA 8260B	07/17/14	125	
	evel): Indicates the minimum re er response level. Public System								
MCL (maximum contamina	at level): Highest level recomm s this compound was analyzed at	ended by the f	ederal govern I at a fevel gre	ment for public	water sys	tems.	e on packages.		

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70816-btex

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: DRUM14	C345	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 8:59 AM Sampled By: SDG				
PLSA Engineering			· · · · · · · · · · · · · · · · · · ·			
Attn: Scott Garland						
1120 West Lincoln Avenue	-	-			Invoice	
Yakima, WA 98902					2770	
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: Soil		
VEL Sample #	227-70816					
Sample ID	DRUM14	HODADCERCENCE (NECK) A SAMPANA A CREATE CODE	29 W / D III Y			
Units	ррт	Limits				
Check Standards - Ave.Recovery:	Ppm				· •	
		<u> </u>			· · · · · · · · ·	
1,2-Dichlorobenzene-d4	88.4%	(70-130)				
4-Bromofluorobenzene	94.4%	(70-130)				
Toluene-d8	99.2%	(70-130)				
Dichlorodifluoromethane	ND	0.005			······································	
Chloromethane	ND	0.005				
Vinyl chloride	ND	0.005				
Bromomethane	ND	0.005				
Chloroethane	ND	0.005				
Acetone	ND	0.025				
Acrolein	ND	0.005				
1,1-Dichloroethylene	ND	0.005				
Methylene chloride	ND	0.025				
Acrylonitrile	ND	0.005				
trans-1,2-Dichloroethylene	ND	0.005				
1,1-Dichloroethane	ND	0.005				
Methyl ethyl ketone (MEK)	ND	0.025				
cis-1,2-Dichloroethylene	ND	0.005				
2,2-Dichloropropane	ND	0.005				
Chloroform	ND	0.005				
Bromochloromethane	ND	0.005				
1,1,1-Trichloroethane	ND	0.005				
1,2-Dichloroethane	ND	0.005				
1,1-Dichloropropene	ND	0.005				
Carbon tetrachloride	ND	0.005				
Benzene	ND	0.005				
Frichloroethylene	ND	0.005		l		
Date Analyzed:	7/17/2014					
Analyst:	125					
VD = None Detected	<u>I</u>	Page 1 of 3				

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

·

	Volatile Organic Compounds (Continued)								
VEL Sample #									
Sample ID	DRUM14	1997 N 1972 N 19 1993 N 1993 N 1993 N 1994 N 1995 N 19							
Units	<u>pp</u> m	Limts							
1,2-Dichloropropane	ND	0.005							
Dibromomethane	ND	0.005							
Bromodichloromethane	ND	0.005							
cis-1,3-Dichloropropene	ND	0.005							
Toluene	ND	0.005							
trans-1,3-Dichloropropene	ND	0.005							
1,1,2-Trichloroethane	ND	0.005							
1,3-Dichloropropane	ND	0.005							
Dibromochloromethane	ND	0.005							
Tetrachloroethylene	ND	0.005							
1,2-Dibromoethane	ND	0.001							
Chlorobenzene	ND	0.005							
1,1,1,2-Tetrachloroethane	ND	0.005							
Ethylbenzene	ND	0.005							
m,p-Xylene	ND	0.005							
Styrene	ND	0.005							
o-Xylene	ND	0.005							
Bromoform	ND	0.005							
1,1,2,2-Tetrachloroethane	ND	0.005							
1,2,3-Trichloropropane	ND	0.005							
Bromobenzene	ND	0.005							
n-Propylbenzene	ND	0.005							
2-Chlorotoluene	ND	0.005							
4-Chlorotoluene	ND	0.005							
1,3,5-Trimethylbenzene	ND	0.005							
ert-Butylbenzene	ND	0.005							
,2,4-Trimethylbenzene	ND	0.005							
sec-Butylbenzene	ND	0.005							
,3-Dichlorobenzene	ND	0.005							
,4-Dichlorobenzene	ND	0.005							
I-Isopropyltoluene	ND	0.005							
,2-Dichlorobenzene	ND	0.005							
n-Butylbenzene	ND	0.005							
,2-Dibromo-3-chloropropane	ND	0.005							
,2,4-Trichlorobenzene	ND	0.005							
Vaphthalene	ND	0.005							
Date Analyzed:	7/17/2014								
Analyst:	125								
	<u> </u>		Page 2 of 3						

15 W. Yakima Ave, Ste 210

Yakima, WA 98902

,

(509) 575 - 3999 Fax: (509) 575 - 3068

Volatile Organic Compounds (Continued)										
VEL Sample #	227-70816									
Sample ID		na na halingu (h) (h) fa (h) (h na sa i a na hali na halingu (h) halingu (h)	an fan er felde 1911 fin fersland om en an annalda om en an	fren nen co Louis a a Louis (n. 1999 44 (1997) frisin i fri Jones novem a Louis	NIN TRACKAMUN UNUN UNUN MUNICALITAT					
Units	ppm	<u>Limits</u>								
1,1,1-Trichloroethane	ND	0.005								
1,1,2,2-Tetrachloroethane	ND	0.005								
1,1-Dichloroethene	ND	0.005								
1,2,3-Trichlorobenzene	ND	0.005								
1,2-Dichloroethane	ND	0.005								
2-hexanone	ND	0.025								
Bromoform	ND	0.005								
Carbon disulfide	ND	0.005								
Chlorobenzene	ND	0.005								
cis-1,2-dichloroethene	ND	0.005								
cis-1,3-Dichloropropene	ND	0.005								
Hexachlorobutadiene	ND	0.005								
Isopropylbenzene	ND	0.005								
Methyl Isobutyl ketone (MIBK)	ND	0.025								
methyl-t-butyl ether (MTBE)	ND	0.005								
p-siopropyltoluene	ND	0.005								
ert-Butylbenzene	ND	0.005								
rans-1,2-Dichloroethene	ND	0.005								
Trichlorofluoromethane	ND	0.005								
Tetrachloroethene	ND	0.005								
·										
·										
·····	l									
Date Analyzed:	7/17/2014									
Date Analyzeu: Analyst:	125									
Anaiyst:	143									
			Page 3 of 3							
				<u>-4/</u>						

Polynuclear Aromatic Hydrocarbons

Send Report To PLSA Eng Attn: Scot 1120 West Yakima, V Polynucles DOH# Analytes	ineering t Garland Lincoln Aven			Samr	Date Rec Date Rep	eived:	YAKIMA 07/08/14 07/29/14					
Send Report To PLSA Eng Attn: Scot 1120 West Yakima, V Polynucles DOH# Aualytes	ineering t Garland Lincoln Aven	n: DRUM-14		Samr	Date Rep							
PLSA Eng Attn: Scot 1120 West Yakima, V Polynuclea DOH# Analytes	ineering t Garland Lincoln Aven		· · · · · · · · · · · · · · · · · · ·	Samr	Date Rep							
PLSA Eng Attn: Scot 1120 West Yakima, V Polynuclea DOH# Analytes	ineering t Garland Lincoln Aven		·	Samr	7	orted:	07/20/14					
PLSA Eng Attn: Scot 1120 West Yakima, V Polynuclea DOH# Analytes	ineering t Garland Lincoln Aven		·	Sam			0//4//14					
Attn: Scot 1120 West Yakima, V Polynucles DOH# Analytes	ineering t Garland Lincoln Aven	-		Sample Collected By: SDG								
Attn: Scot 1120 West Yakima, V Polynucles DOH# Analytes	t Garland Lincoln Aven			SAMPI	SAMPLE COMMENTS Matrix: Soil							
1120 West Yakima, V Polynucles DOH# Analytes	Lincoln Aven											
Yakima, V Polynuclea DOH# Analytes												
Polynucles DOH# Analytes	74 08002	ue										
DOH# Analytes	A 70704											
	r Aromatic H	ydrocarbons		- Q		<u> </u>	····					
	····	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys			
Acenaphthe		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Acenaphthy	lene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Anthracene		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Benzo(a)ant	hracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Benzo(a)pyr	ene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Benzo(b)flu	oranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Benzo(ghi)p		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Benzo(k)flu	oranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Chrysene		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Dibenzo(a,h		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Fluoranthene	<u> </u>	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Fluorene		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Indeno(1,2,3	-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Naphthalene		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Phenanthren	e	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Pyrene		ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
2-Methylnap	thalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
Surrogate St	4.				· · · · ·			· · · · · · · · · · · · · · · · · · ·				
Terphenyl-d		92.7	%	18-137			EPA 8270D	07/17/14	125			
			70	10-137			EFA 8270D	0//1//14	125			

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-30670816–8270 pah

PCB's (Soil)

•	Date Colle	cted: 07/08/14		С <u>В'8 (5</u>]	<u> </u>							
_	······································			1								
		e No: 227-70816			C	ounty:	YAKIMA					
	Sample Loca	tion: DRUM-14		Data Dessived: 07/08/14								
				Date Received: 07/08/14 Date Reported: 07/29/14								
<u></u>				Samr								
lend	Report To:			Sample Collected By: SDG SAMPLE COMMENTS Matrix: Soil								
	PLSA Engineering	····		BANITI				A. 5011				
	Attn: Scott Garland											
	1120 West Lincoln Av	/enne										
	Yakima, WA 98902	CALLO .										
	PCB's (Soil)						*					
OH	# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
	Aroclor 1016	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1221	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1232	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1242	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1248	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1254	ND	mg/kg	0.1	· · · · ·		EPA 8082	07/22/14	125			
	Aroclor 1260	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	PCB 8082 (total)	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Surrogate Std:											
	DCB	110.0	%	30-130	··		EPA 8082	07/22/14	125			
	·····											
	,											
								· · · ·				
	i MRL (Method Reporting Level): Trigger: DOH Drinking Water res					-						
	MCL (maximum contaminant lev							se on packages.				
	ND (Not Detected): Indicates this				_	-						
				Ар	proved By:				<u> </u>			

70816-pcbs

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

Cadmium, Chromium, Nickel, Zinc

	•	mum, Ci	ii oiniu	m, mere	/1, Z /III	.C				
Date Colle	ected: 07/08/14									
Lab/Sampl	le No: 227-70816			C	ounty:	YAKIMA	<u> </u>			
	ation: DRUM-14		-							
		·····	Date Received: 07/08/14							
			Date Reported: 07/29/14							
			Sam	ole Collect	ted By:	SDG				
Send Report To:			SAMPLE COMMENTS Matrix: Soil							
PLSA Engineering										
Attn: Scott Garland										
1120 West Lincoln A	venue									
Yakima, WA 98902										
Cadmium, Chromiun	n, Nickel, Zinc					· · · · · · · · · · · · · · · · · · ·	<u> </u>			
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst		
Cadmium	ND	mg/kg	0.54			EPA 6020A	07/23/14	125		
Chromium	16.1	mg/kg	0.54			EPA 6020A	07/23/14	125		
Nickel	14.1	mg/kg	0.54			EPA 6020A	07/23/14	125		
Zinc	62.0	mg/kg	0.54			EPA 6020A	07/23/14	125		
			ļ							
					[
					[
							_			
							· · · ·			
			-							
							-			
								L		
MRL (Method Reporting Level):	Indicates the minimum re	enorting level re	ouired and o	btained by the l	horatory (MDL <mri<srl< td=""><td>1</td><td><u> </u></td></mri<srl<>	1	<u> </u>		
Trigger: DOH Drinking Water res		• –	-				on packages			
MCL (maximum contaminant lev							Iveenabeo			
ND (Not Detected): Indicates this										
, , ,	. ,		-	-						
			Ар	proved By:	. 	<u> </u>				

70816-cdcrni

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210

15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Batch #: 140714014 Project Name: VOC / MET

VOC / METALS / PAH / PCB

Attn: DARA OSBORNE

Analytical Results Report

Sample Number140714014-004Sampling Date7/8/2014Date/Time Received7/11/201411:20 AMClient Sample ID70816 bSampling Time8:59 AMMatrixSoilSample LocationComments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-004 70816 Soil		Sampling Da Sampling Ti Sample Loca	me		Date/Time Receir Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Da	te Analyst	Method	Qualifie
Aroclor 1016 (F	PCB-1016)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1221 (F	CB-1221)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1242 (F	CB-1242)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1248 (F	CB-1248)	ND	mg/Kg	0.1	7/22/2014	\$AT	EPA 8082	
Aroclor 1254 (P	CB-1254)	NÐ	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1260 (P	CB-1260)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
PCB 8082 (tota	i)	ND	mg/kg	0.1	7/22/2014	SAT	EPA 8082	
%moisture		8.9	Percent		7/17/2014	SAT	%moisture	
			Surroga	ate Dat	ta			
mple Number	140714014-004			 ,				
Surrogate Sta	andard		Method		Per	cent Recovery	Control L	imits
DCB			EPA 808	2		110.0	30-13	0

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA0D169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

		e No: 227-70817			C	ounty	: YAKIMA				
SALAN	Sample Loca	tion: UST3-2									
				Date Received: 07/08/14 Date Reported: 07/29/14							
				Sami	Date Kep ble Collect			•••			
end	Report To:	· · · · · · · · · · · · · · · · · · ·			LE COMM	T.	Matri	v Soil	<u> </u>		
	PLSA Engineering	· · · · · · · · · · · · · · · · · · ·			000.11						
	Attn: Scott Garland										
	1120 West Lincoln Av	venue									
	Yakima, WA 98902										
	BTEX by EPA 8260B								· · · · · ·		
OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy		
	Benzene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
	Toluene	0.0333	ppm	0.005		ļ	EPA 8260B		125		
	Ethylbenzene	ND 0.020	ppm	0.005			EPA 8260B	07/17/14	125		
	Xylenes (m,p,o)	0.032	ppm	0.005			EPA 8260B	07/17/14	125		
						·					
					· · ·						
	···· · · · · · · · · · · · · · · · · ·										
						+ 					
	· · · · · · · · · · · · · · · · · · ·			·							
	<u>.</u>								 		
				-			· · ·				
			··						<u> </u>		
		r					· · · · · · · · · · · · · · · · · · ·		<u>├</u>		
	MRL (Method Reporting Level):								<u> </u>		

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

V(509) 5755 SG49DOEaxc(509) 5750-# Sampled At: UST3-2	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 9:53 AM Sampled By: SDG							
PLSA Engineering								
Attn: Scott Garland								
1120 West Lincoln Avenue		<u>Invoice</u> 27700						
Yakima, WA 98902								
Volatile Organic Chemicals		Method: EPA 8260B Matrix: Soil						
VEL Sample #	227-70817			· · · · · · · · · · · · · · · · · · ·				
Sample ID	UST3-2	M (Adia 14, prime talenda i pri	2011) (Yun ya 2011) II I I I I I I I I I I I I I I I I I	ra na manana karang kalang manana karang				
Units	ppm	Limits						
Check Standards - Ave.Recovery:	• • •				· · · · ·			
		<u> </u>						
1,2-Dichlorobenzene-d4	92.00%	(70-130)						
4-Bromofluorobenzene	95.60%	(70-130)						
Toluene-d8	98.80%	(70-130)						
Dichlorodifluoromethane	ND	0.005						
Chloromethane	ND	0.005						
Vinyl chloride	ND	0.005						
Bromomethane	ND	0.005						
Chloroethane	ND	0.005						
Acetone	ND	0.025						
Acrolein	ND	0.005						
1,1-Dichloroethylene	ND	0.005						
Methylene chloride	ND	0.025						
Acrylonitrile	ND	0.005						
trans-1,2-Dichloroethylene	ND	0.005						
1,1-Dichloroethane	ND	0.005						
Methyl ethyl ketone (MEK)	ND	0.025						
cis-1,2-Dichloroethylene	ND	0.005						
2,2-Dichloropropane	ND	0.005						
Chloroform	ND	0.005						
Bromochloromethane	ND	0.005						
1,1,1-Trichloroethane	ND	0.005						
1,2-Dichloroethane	ND	0.005						
1,1-Dichloropropene	ND	0.005						
Carbon tetrachloride	ND	0.005						
Benzene	ND	0.005						
Frichloroethylene	ND	0.005						
Date Analyzed:	7/17/2014							
Analyst:	125							
ND = None Detected		Page 1 of 3						

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 57	Valatile Or	ganic Com	pounds (Continued)
VEL Sample #	227-70817		
Sample ID	UST3-2	a an	
Units	ppm	Limts	
1,2-Dichloropropane	ND	0.005	
Dibromomethane	ND	0.005	
Bromodichloromethane	ND	0.005	
cis-1,3-Dichloropropene	ND	0.005	
Toluene	0.0333	0.005	
trans-1,3-Dichloropropene	ND	0.005	
1,1,2-Trichloroethane	ND	0.005	
1,3-Dichloropropane	ND	0.005	
Dibromochloromethane	ND	0.005	
Tetrachloroethylene	ND	0.005	
1,2-Dibromoethane	ND	0.001	
Chlorobenzene	ND	0.001	
1,1,1,2-Tetrachloroethane	ND	0.005	
Ethylbenzene	ND	0.005	
m,p-Xylene	0.0251	0.005	
Styrene	ND	0.005	
o-Xylene	0.00711	0.005	
Bromoform	ND	0.005	
1,1,2,2-Tetrachloroethane	ND	0.005	
1,2,3-Trichloropropane	ND	0.005	
Bromobenzene	ND	0.005	
n-Propylbenzene	ND	0.005	
2-Chlorotoluene	ND	0.005	
4-Chlorotoluene	ND	0.005	
1,3,5-Trimethylbenzene	0.00568	0.005	
tert-Butylbenzene	ND	0.005	
1,2,4-Trimethylbenzene	0.0147	0.005	
sec-Butylbenzene	ND	0.005	
1,3-Dichlorobenzene	ND	0.005	
1,4-Dichlorobenzene	ND	0.005	
4-Isopropyltoluene	ND	0.005	
,2-Dichlorobenzene	ND	0.005	
1-Butylbenzene	ND	0.005	
,2-Dibromo-3-chloropropane	ND	0.005	
,2,4-Trichlorobenzene	ND	0.005	
Naphthalene	0.0235	0.005	
Date Analyzed:	7/17/2014	········	
Analyst:	125		
			de en
			Page 2 of 3

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

<u>N Diatile UDi</u>	ganic Con	<u>npounds (Cor</u>	<u>ntinued)</u>	
227-70817				
UST3-2	a na 1999 na mangang ng kangang na kangang na kangang na kangang na kangang na kang na kang pang na kang pang n	(11) (fen) (fen men for an andre and an andre and an and	n en	
ppm	Limits			
ND	0.005			
ND	0.025			
ND	0.005			
ND	0.025			
ND	0.005			
	0.005			
1				
i				
0.0427	0.005			
7/17/2014				
125			Ă	
		s <u></u>		
		Page 3 of 3		
			//	*******
	227-70817 UST3-2 ppm ND ND ND ND ND ND ND ND ND ND ND ND ND	227-70817 UST3-2 ppm Limits ND 0.005 ND	227-70817 UST3-2 ppm Limits ND 0.005 ND	UST3-2 Limits ND 0.005 ND 0.005

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

		· · · · · · · · · · · · · · · · · · ·							
	Lab/Sample N				C	ounty:	YAKIMA		
28	Sample Locatio	n: UST3-2							
					Date Re	ceived:	07/08/14		
					Date Rep	ported:	07/29/14		
				Sam	ole Collect	ted By:	SDG		
Send	l Report To:			SAMPI	LE COMM	ENTS	Matri	x: Soil	42
ŀ	PLSA Engineering								
	Attn: Scott Garland								
	1120 West Lincoln Aven	ue							
	Yakima, WA 98902								
	Polynuclear Aromatic H	vdrocarbons	······································	<u> </u>					
DOH	#Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys
	Acenaphthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Acenaphthylene	ND	mg/kg	0.01		╞	EPA 8270D	07/17/14	125
	Anthracene	ND	mg/kg	0.01			EPA 8270D		125
	Benzo(a)anthracene	0.0237	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(a)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(b)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(ghi)perylene	0.0271	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(k)fluoranthene	ND	mg/kg	0.01	<u>.</u>		EPA 8270D	07/17/14	125
	Chrysene	0.0106	mg/kg	0.01			EPA 8270D	07/17/14	125
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01	····		EPA 8270D	07/17/14	125
	Fluoranthene	0.0465	mg/kg	0.01			EPA 8270D	07/17/14	125
	Fluorene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Naphthalene	0.0389	 mg/kg	0.01		<u> </u>	EPA 8270D	07/17/14	125
	Phenanthrene	0.0412	mg/kg	0.01	·		EPA 8270D		125
	Pyrene	0.0391	mg/kg	0.01			EPA 8270D	07/17/14	125
	2-Methylnapthalene	0.0545	mg/kg	0.01			EPA 8270D	07/17/14	125
	· · · · · · · · · · · · · · · · · · ·						· · ·	•	
	Surrogate Std.							· _	
	Surrogate Std:	00.4	0/	10.107		·		05/15/1	105
	Terphenyl-d14	90.4	%	18-137		· · · ·	EPA 8270D	07/17/14	125
	······································	· · · ·							
	MRL (Method Reporting Level): Ind	icates the minimum	reporting level -	equired and a	btained by the	laborato - :			1

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068 70817 - 8270 pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	Date Colleg	cted: 07/08/14			<u>()</u>				
	Dair Colle					<u> </u>			
	Lab/Sample	No: 227-70817		-	C	ounty:	YAKIMA		
	Sample Locat	the second se							
					Date Re	ceived:	07/08/14		·
					Date Rep	ported:	07/29/14		
					ole Collect	-	SDG		
end	Report To:	·····		SAMPI	LE COMM	IENTS	Matri	x: Soil	
	PLSA Engineering								
	Attn: Scott Garland								
	1120 West Lincoln Ave	enue							
	Yakima, WA 98902								
	PCB's (Soil)								
OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy
	Aroclor 1016	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1221	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1232	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1242	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1248	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1254	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1260	ND	mg/kg	0.1			EPA 8082	07/22/14	125
	PCB 8082 (total)	ND	mg/kg	0.1			EPA 8082	07/22/14	125
		· · ·							·
	Surrogate Std:								
	DCB	78.7	%	30-130			EPA 8082	07/22/14	125
			,						
					·				
				<u> </u>					
	,				·				ļ
[······································								
	<u></u> .			<u> </u>					
		·	·						<u> </u>
<u> </u>	MRL (Method Reporting Level):	Indicates the minimum t	onorting loval		htning d has the	1-1		<u> </u>	
	Trigger: DOH Drinking Water resp					-			
	MCL (maximum contaminant level						-	e on packages.	
	ND (Not Detected): Indicates this c			-	•	-			
I	intersection mutates 1115 6	ompound was analyzed a		i al a ievei gri	and than of eq	uaa to the l	ING OF SKL.		
				Ар	proved By:		\sim		

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70817-pcbs

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

The second se			1	m, micke	<i>-</i> 1, <i>2</i> -111			
Date Collec	ted: 07/08/14		_					
	No: 227-70817			C	ounty:	YAKIMA		
Sample Locat	ion: UST3-2							
				Date Ree	ceived:	07/08/14		
				Date Rep	orted:	07/29/14		
			-	ole Collect	.	SDG		
Send Report To:	~		SAMPI	LE COMM	ENTS	Matri	x: Soil	
PLSA Engineering								
Attn: Scott Garland								
1120 West Lincoln Ave	enue							
Yakima, WA 98902								
Cadmium, Chromium,	Nickel, Zinc							
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys
Cadmium	0.595	mg/kg	0.531			EPA 6020A	07/23/14	125
Chromium	21.0	mg/kg	0.531			EPA 6020A	07/23/14	125
Nickel	18.6	mg/kg	0.531			EPA 6020A	07/23/14	125
Zinc	138	mg/kg	0.531			EPA 6020A	07/23/14	125
			-		ļ			
							_ <u>_</u>	
							-	
		<u>_</u>						
				· · ·				
					<u> </u>			
MRL (Method Reporting Level): 1 Trigger: DOH Drinking Water respo					-	-	on packages.	
MCL (maximum contaminant level) ND (Not Detected): Indicates this co					-			
			Ap	proved By:				•

70817-cdcrni

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

YAKIMA, WA 98901

Attn:

DARA OSBORNE

Analytical Results Report

Batch #:

Project Name:

140714014

VOC / METALS / PAH / PCB

 Sample Number
 140714014-005
 Sampling Date
 7/8/2014
 Date/Time Received
 7/11/2014
 11:20 AM

 Client Sample ID
 70817[±]
 Sampling Time
 9:53 AM

 Matrix
 Soil
 Sample Location

 Comments
 Sample Location

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	0.0147	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	0.00568	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	E.PA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address:

15 W. YAKIMA AVE STE210

DARA OSBORNE

YAKIMA, WA 98901

Batch #: Project Name:

140714014 VOC / METALS / PAH / PCB

Attn:

Analytical Results Report

Sample Number	140714014-005	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70817	Sampling Time	9:53 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
lsopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	0.0251	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	0.0235	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	0.00711	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210

YAKIMA, WA 98901

Batch #: 140714014 Project Name:

VOC / METALS / PAH / PCB

Attn: DARA OSBORNE

Analytical Results Report

ample Number lient Sample ID latrix omments	140714014-005 70817 Soil		Sampling D Sampling Ti Sample Loc	ime	7/8/2014 Date 9:53 AM	e/Time Rece	ived 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
tert-Butylbenze	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroeth	ene	0.0427	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		0.0333	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichl	proethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichl	propropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene	3	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouror	nethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture		9.9	Percent		7/17/2014	SAT	%moisture	

Surrogate Data		
<u> </u>		· · · · · · · · · · · ·
Method	Percent Recovery	Control Limits
EPA 8260B	92.0	70-130
EPA 8260B	95.6	70-130
EPA 8260B	98.8	70-130
	Method EPA 8260B EPA 8260B	Method Percent Recovery EPA 8260B 92.0 EPA 8260B 95.6

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cen0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address: Attn:	VALLEY ENVIRON 15 W. YAKIMA AVI YAKIMA, WA 9890 DARA OSBORNE	E STE210	AB		Batch #: Project Na		714014 C / METALS / P	AH / PCE
		An	alytical R	lesult	s Report			
Sample Number Client Sample ID Matrix Comments	140714014-005 70817 Soil		Sampling Da Sampling Ti Sample Loc	me		te/Time Recei traction Date	ved 7/11/2014 7/17/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2-Methylnaph	thalene	0.0545	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	· · · · _ · ·
Acenaphthen	e	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthyle	ne	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo(ghi)pei	rylene	0.0271	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo(a)anthr	racene	0.0237	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]pyrer	ne	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[b]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[k]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Chrysene		0.0106	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Dibenz[a,h]an	thracene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluoranthene		0.0465	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
indeno[1,2,3-o	:d]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Naphthalene		0.0389	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Phenanthrene	•	0.0412	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Pyrene		0.0391	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
%moisture		9.9	Percent		7/17/2014	SAT	%moisture	
			Surrog	ate Da	ta			
mple Number	140714014-005		<u></u>					
Surrogate S	tandard		Method		Perce	ent Recovery	Control L	imits
Terphenyl-d1	14		EPA 827	'0D		90.4	18-13	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-005 70817 Soil		Sampling Da Sampling Ti Sample Loca	me		Date/Time Recein Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Da	ate Analyst	Method	Qualifier
Aroclor 1016 (F	PCB-1016)	ND	mg/Kg	0.1	7/22/2014	sat	EPA 8082	
Aroclor 1221 (F	PCB-1221)	ND	mg/Kg	0.1	7/22/2014	1 SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/2014	1 SAT	EPA 8082	
Aroclor 1242 (F	PCB-1242)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1248 (F	PCB-1248)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1254 (F	°CB-1254)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
PCB 8082 (tota	il)	ND	mg/kg	0.1	7/22/2014	SAT	EPA 8082	
%moisture		9.9	Percent		7/17/2014	SAT	%moisture	
			Surroga	ite Dat	ta			
mple Number	140714014-005							·
Surrogate St	andard		Method		Pe	rcent Recovery	Control L	imits
DCB			EPA 808	2		78.7	30-13	0

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA0D169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

Benzene ND ppm 0.005 EPA 8260B 07/17 Toluene ND ppm 0.005 EPA 8260B 07/17 Ethylbenzene ND ppm 0.005 EPA 8260B 07/17		ix: Soil	07/08/14 07/29/14 SDG	ceived: oorted: ted By:	Date Rec Date Rep De Collect		······		
Date Received: 07/08/14 Date Reported: 07/29/14 Sample Collected By: SDG Send Report To: SAMPLE COMMENTS Matrix: Soil PLSA Engineering Attn: Scott Garland 1120 West Lincoln Avenue Yakima, WA 98902 Matrix: Soil Matrix: Soil BTEX by EPA 8260B MRL Trigger MCL Method Anal Benzene ND ppm 0.005 EPA 8260B 07/17 Toluene ND ppm 0.005 EPA 8260B 07/17 Behzene ND ppm 0.005 EPA 8260B 07/17 Toluene ND ppm 0.005 EPA 8260B 07/17 Ethylbenzene ND ppm 0.005 EPA 8260B 07/17		ix: Soil	07/29/14 SDG	oorted: ted By:	Date Rep ble Collect				I
Sample Collected By: SDG Send Report To: SAMPLE COMMENTS Matrix: Soil PLSA Engineering Attn: Scott Garland Matrix: Soil Attn: Scott Garland 1120 West Lincoln Avenue Vakima, WA 98902 BTEX by EPA 8260B Benzene ND ppm 0H# Analytes Results Units MRL Trigger MCL Method Anal Benzene ND ppm 0.005 EPA 8260B 07/17 Toluene ND ppm 0.005 EPA 8260B 07/17		ix: Soil	SDG	ed By:	ole Collect				
SAMPLE COMMENTS Matrix: Soil PLSA Engineering Matrix: Soil Attn: Scott Garland Matrix: Soil 1120 West Lincoln Avenue Matrix: Soil Yakima, WA 98902 Matrix: Soil BTEX by EPA 8260B MRL OH# Analytes Results Units MRL Trigger McL Method Anal Benzene ND ppm 0.005 EPA 8260B 07/17 Toluene ND ppm 0.005 EPA 8260B 07/17		ix: Soil			the second s				
PLSA Engineering Attn: Scott Garland 1120 West Lincoln Avenue Yakima, WA 98902		ix: Soil	Matri	ENTS	E COMM				
Attn: Scott Garland 1120 West Lincoln Avenue Yakima, WA 98902 Visual Scott Visual	lyzed Ano					SAMPI			Report To:
1120 West Lincoln Avenue Yakima, WA 98902BTEX by EPA 8260BOH# AnalytesResultsUnitsMRLTriggerMCLMethodAnalBenzeneNDppm0.005EPA 8260B07/17TolueneNDppm0.005EPA 8260B07/17EthylbenzeneNDppm0.005EPA 8260B07/17	lyzed Ano								PLSA Engineering
Yakima, WA 98902BTEX by EPA 8260BOH# AnalytesResultsUnitsMRLTriggerMCLMethodAnalBenzeneNDppm0.005EPA 8260B07/17TolueneNDppm0.005EPA 8260B07/17EthylbenzeneNDppm0.005EPA 8260B07/17	Jyzod Ano								Attn: Scott Garland
BTEX by EPA 8260BOH# AnalytesResultsUnitsMRLTriggerMCLMethodAnalBenzeneNDppm0.005EPA 8260B07/17TolueneNDppm0.005EPA 8260B07/17EthylbenzeneNDppm0.005EPA 8260B07/17	lyzed Ana							lue	1120 West Lincoln Aver
OH# AnalytesResultsUnitsMRLTriggerMCLMethodAnalBenzeneNDppm0.005EPA 8260B07/17TolueneNDppm0.005EPA 8260B07/17EthylbenzeneNDppm0.005EPA 8260B07/17	ivzed Ana							·····	Yakima, WA 98902
Benzene ND ppm 0.005 EPA 8260B 07/17 Toluene ND ppm 0.005 EPA 8260B 07/17 Ethylbenzene ND ppm 0.005 EPA 8260B 07/17	lyzed Ano								BTEX by EPA 8260B
Toluene ND ppm 0.005 EPA 8260B 07/17 Ethylbenzene ND ppm 0.005 EPA 8260B 07/17	ngatu Alla	Analyzed	Method	MCL	Trigger	MRL	Units		
EthylbenzeneNDppm0.005EPA 8260B07/17		07/17/14					ppm		
		07/17/14	EPA 8260B			- I I	ppm		
Xylenes (m,p,o) ND ppm 0.005 EPA 8260B 07/17						1 F		1	
Image: state of the state of	7/14 125	07/17/14	EPA 8260B	ļ 		0.005	ppm	ND	Xylenes (m,p,o)
			<u></u>						:
Image: state stat					·	_			
	·				· .				· · ·
							·		
						-			
					_	+ +			
					·				
									·
	·		· · · ·						
			<u> </u>						· ·
					·		et 1141-		
			·						
							<u>.</u>		
				[[-			
						1		7	
	 		<u>.</u>			-		· · · · ·	

70818-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

.

۰,

Washington State DOE Accredited Lab # Sampled At: UST3-12	C345	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 9:40 AM Sampled By: SDG				
PLSA Engineering			F			
Attn: Scott Garland						
1120 West Lincoln Avenue					Invoice#	
Yakima, WA 98902					<u>27700</u>	
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: Soi		
VEL Sample #	227-70818	14Aethou	• ETA 8200D			
Sample ID	UST3-12	2010 I D FRI DIN THE OLD T	uart control de le le le secle en la le la le la le secle de la le secle de la le secle de le secle de le secle	75 AMERICAN DI LEM LETELE IN 2016 DI EUR AN LAN M (1995) (1995) (1996)	1 N 1997 YO 11 1994 I YO DOLL N 1 1291 N YO I B	
Units		Limits				
Check Standards - Ave.Recovery:	ppm					
Check Standards - Aventetovery.						
1,2-Dichlorobenzene-d4	87.60%	(70-130)				
4-Bromofluorobenzene	95.20%	(70-130)				
Toluene-d8	98,80%	(70-130)				
Dichlorodifluoromethane	ND	0.005				
Chloromethane	ND	0.005				
Vinyl chloride	ND	0.005				
Bromomethane	ND	0.005				
Chloroethane	ND	0.005				
Acetone	ND	0.025				
Acrolein	ND	0.005				
1,1-Dichloroethylene	ND	0.005				
Methylene chloride	ND	0.025				
Acrylonitrile	ND	0.005				
trans-1,2-Dichloroethylene	ND	0.005				
1,1-Dichloroethane	ND	0.005				
Methyl ethyl ketone (MEK)	ND	0.025				
cis-1,2-Dichloroethylene	ND	0.005				
2,2-Dichloropropane	ND	0.005				
Chloroform	ND	0.005				
Bromochloromethane	ND	0.005				
l,1,1-Trichloroethane	ND	0.005				
1,2-Dichloroethane	ND	0.005				
1,1-Dichloropropene	ND	0.005				
Carbon tetrachloride	ND	0.005				
Benzene	ND	0.005				
Frichloroethylene	ND	0.005				
Date Analyzed:	7/17/2014					
Analyst:	125			ĺ		
ND = None Detected	I	Page 1 of 3				

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Volatile Organic Compounds (Continued)							
	ara karan na mangang karan na mangan manangkaraka karang						
ppm	Limts						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ļ							
ND	0.005						
NÐ	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
ND	0.005						
	0.005						
	0.005						
	0.005						
1							
	0.005						
J							
125							
		Page 2 of 3					
	227-70818 UST3-12 ppm ND ND ND ND ND ND ND ND ND ND ND ND ND	227-70818 UST3-12 ppm Limts ND 0.005 ND					

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile Or	ganic Co	mpounds (Contir	nued)	
VEL Sample #				_	
Sample ID	UST3-12	ar an an ann an	0010) 10100 (1010) 1010)	אס גרע נערוליריעירין אָלאָלָאָן (אָןאַן געעיאנעע שעעט פעעט פוועריין אַלאָלָאָן אָראָאָאָעריין אַראַראַראַ אַראַ אס גרע נערולירייניעירין אַלאַלאָן (אָן אָן אַראַנערע אַ אַראַגערע אַ אַראַגערע אַ אַראָאָאָאָן אַראָאָאָאָן אַ	D) III MO ILI DI LI
Units	ppm	Limits			
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.005			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.00783	0.005			
		x			
· ·					
	*				
	RII PIRAS -				
Date Analyzed:	7/17/2014				
Analyst:	125				
			D 0 (0		
			Page 3 of 3		

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

	Lab/Sample N	A 227 70910		_	~	· · · · · · · · · · · · · · · · · · ·	X7 & X755 # 4		
	Sample Locatio		·		(ounty:	YAKIMA		
	Sample Locatio	II; US13-12	<u></u>	-	D-4- D-		07/00/11 4		
							07/08/14		
		<u></u>					07/29/14		
end	Report To:				le Collect		· · · · · · · · · · · · · · · · · · ·		····
	PLSA Engineering			SAMP		LIN I S	Matri	x: Soil	
	Attn: Scott Garland								
	1120 West Lincoln Aven	ue							
•	Yakima, WA 98902								
	Polynuclear Aromatic H	ydrocarbons							
) DH	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy
	Acenaphthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Acenaphthylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	1 25
	Benzo(a)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(a)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(b)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(ghi)perylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Benzo(k)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Chrysene	0.0112	mg/kg	0.01			EPA 8270D	07/17/14	125
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Fluorene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Naphthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Phenanthrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
·	Pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	2-Methylnapthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125
	Surrogate Std:								
·	Terphenyl-d14	92.2	%	18-137			EPA 8270D	07/17/14	125
	· · · · ·								

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3067 0818 – 8270 pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	Date Colle	cted: 07/08/14					· · · · · · · · · · · · · · · · · · ·		
		e No: 227-70818			C	ounty:	YAKIMA		
	Sample Loca	tion: UST3-12		_			0		
				-			07/08/14		
	· · ·	·					07/29/14		
end	Report To:			_	le Collect				
ulu	PLSA Engineering			SAMPI	LE COMM	LIVIS	Matri	x: Soil	
	Attn: Scott Garland								
	1120 West Lincoln Av	enue							
	Yakima, WA 98902	······		<u> </u>		<u> </u>			
OTT	PCB's (Soil)		····			<u></u>			
UH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	
	Aroclor 1016 Aroclor 1221		mg/kg	0.1		1	EPA 8082	07/22/14	125
·			mg/kg	0.1		ļ	EPA 8082	07/22/14	125
	Aroclor 1232 Aroclor 1242		mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1242 Aroclor 1248	ND ND	mg/kg	0.1			EPA 8082	07/22/14	125
	Aroclor 1248 Aroclor 1254	ND ND	mg/kg	0.1	<u> </u>		EPA 8082	07/22/14	125
	Aroclor 1260	ND ND	mg/kg	0.1			EPA 8082		125
	PCB 8082 (total)	ND	mg/kg mg/kg	0.1			EPA 8082	07/22/14	125
			mg/kg				EPA 8082	07/22/14	125
		· ·	<u> </u>						
	Surrogate Std:					- · ·	^		
	DCB	97.4	%	30-130			EPA 8082	07/22/14	125
									120
			··						·
					·				
	<u></u>								
			·						
	· •••,								
	· ·			ļ [
								1	
	MRL (Method Reporting Level): Frigger: DOH Drinking Water resp								
	MCL (maximum contaminant leve ND (Not Detected): Indicates this o		-	l at a level gro	eater than or eq	•			
				Ap	proved By:				

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70818-pcbs

Cadmium, Chromium, Nickel, Zinc

Date Collec	ted: 07/08/14						·.	
	No: 227-70818			C	ounty	YAKIMA		
Sample Locati	ion: UST3-12							
				Date Re	ceived:	07/08/14		
						07/29/14		
				ole Collect	-	SDG		
Send Report To:	•		SAMP	LE COMM	IENTS	Matri	x: Soil	
PLSA Engineering								
Attn: Scott Garland								
1120 West Lincoln Ave	nue							
Yakima, WA 98902		<u>.</u>						
Cadmium, Chromium,	Nickel, Lead							
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst
Cadmium	ND	mg/kg	0.531	•	1	EPA 6020A	07/23/14	125
Chromium	19.1	mg/kg	0.531			EPA 6020A	07/23/14	125
Nickel	17.4	mg/kg	0.531			EPA 6020A	07/23/14	125
Zinc	56.0	mg/kg	0.531			EPA 6020A	07/23/14	125
						, 		
· · · · · · · · · · · · · · · · · · ·								
		.						
					<u> </u>			
				- .				
	-							
				·				
MRL (Method Reporting Level): Ir Trigger: DOH Drinking Water respon	nse level. Public System	ns in excess of t	nis level mus	t take additional	samples.	Recommended range	on packages.	
MCL (maximum contaminant level): ND (Not Detected): Indicates this con		-		-	-			
			Ар	proved By:				

70818-cdcrni

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210

DARA OSBORNE

15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Batch #: 140
Project Name: VO

140714014 VOC / METALS / PAH / PCB

Attn:

Analytical Results Report

Sample Number	140714014-006 70818	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID Matrix	Soil	Sampling Time Sample Location	9:40 AM			
Comments		oumple Eooston				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	NÐ	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mġ/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C695 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C685; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEE

Analytical Results Report

Sample Number	140714014-006	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70818	Sampling Time	9:40 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	- <u> </u>
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
lsopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-D02; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEE

Analytical Results Report

ample Number ilient Sample ID latrix omments	140714014-006 70818 Soil		Sampling D. Sampling Ti Sample Loc	ime	7/8/2014 Dat 9:40 AM	e/Time Rece	ived 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
tert-Butylbenze	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethe	ene	0.00783	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichle	proethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichle	propropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouror	nethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture		4.7	Percent		7/17/2014	SAT	%moisture	

ample Number 140714014-006			
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	87.6	70-130
4-Bromofluorobenzene	EPA 8260B	95.2	70-130
Toluene-d8	EPA 8260B	98.8	70-130

Surrogate Data

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Attn: DARA OSBORNE Analytical Results		-	ect Name: VOC / N	140714014 VOC / METALS / PAH / PCB		
Sample Number Client Sample ID Matrix	140714014-006 70818 Soil	Sampling Date Sampling Time Sample Location	7/8/2014 9:40 AM	Date/Time Received Extraction Date	7/11/2014 7/17/2014	11:20 AM

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
2-Methylnaphthalene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthylene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Anthracene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo(ghi)perylene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]anthracene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[b]fluoranthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[k]fluoranthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Chrysene	0.0112	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Dibenz[a,h]anthracene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluoranthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluorene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Indeno[1,2,3-cd]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Naphthalene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Phenanthrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Ругепе	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
%moisture	4.7	Percent		7/17/2014	SAT	%moisture	

Surrogate Data

Sample Number	140714014-006			
Surrogate :	Standard	Method	Percent Recovery	Control Limits
Terphenyl-d	14	EPA 8270D	92.2	18-137

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-006 70818 Soil		Sampling Da Sampling Ti Sample Loca	me		Date/Time Receiv Extraction Date	ed 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Da	ate Analyst	Method	Qualifie
Aroclor 1016 (i	PCB-1016)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1221 (I	PCB-1221)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1242 (F	PCB-1242)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1248 (F	CB-1248)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1254 (F	PCB-1254)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1260 (F	°CB-1260)	ND	mg/Kg	0.1	7/22/2014	1 SAT	EPA 8082	
PCB 8082 (tota	il)	ND	mg/kg	0.1	7/22/2014	1 SAT	EPA 8082	
%moisture	·	4.7	Percent		7/17/2014	SAT	%moisture	
			Surroga	nte Dat	a			
mple Number	140714014-006							··· , · ·
Surrogate St	andard		Method		Pe	rcent Recovery	Control L	imits
DCB			EPA 8082		97.4		30-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; NT:CERTD028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

	Date Collect	ed: 07/08/14			A 0200D	-					
<u> </u>	Lab/Samela	No. 227 70010									
	Sample Location	No: 227-70819 on: DWI-3	<u> </u>			county:	YAKIMA	<u></u>			
				Date Received: 07/08/14							
							07/29/14				
					ole Collect						
end Report				SAMPI	LE COMM	ENTS	Matri	x: Soil			
	ngineering										
	ott Garland										
	est Lincoln Aver	nue									
	WA 98902						<u></u>				
	y EPA 8260B		TT •/	-		La com					
OH# Analytes Benzene		Results ND	Units	MRL	Trigger	MCL		Analyzed			
Toluene	· · ·	ND ND	ppm ppm	0.005	· ·		EPA 8260B EPA 8260B	07/17/14	125 125		
Ethylbenz	ene	ND	ppm ppm	0.005	<u>-</u>		EPA 8260B	07/17/14	125		
Xylenes (ND	ppm	0.005	- ·	+	EPA 8260B	07/17/14	125		
			**								
	···-			· ·		<u> </u>					
		·	···				·				
· ·	<u> </u>		···		·		·				
·											
					<u> </u>						
									·		
·							<u> </u>				
MRL (Metho	d Reporting Level): In	dicates the minimum n	eporting level r	equired and o	btained by the	lahoratory	(MDL <mri<sri)< td=""><td></td><td></td></mri<sri)<>				
	H Drinking Water respon										
	um contaminant level):							on puonugos.			
	cted): Indicates this con										
				Ар	proved By:		$\left \right $				
		······································		F .				·			

70819-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, St 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: DWI-3	C345	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 10:32 AM Sampled By: SDG						
PLSA Engineering		· · · · · · · · · · · · · · · · · · ·				<u> </u>		
Attn: Scott Garland								
1120 West Lincoln Avenue								
Yakima, WA 98902								
Volatile Organic Chemicals		Mathada	EPA 8260B	Matrix:		27700		
VEL Sample #	227-70819	Miethou:	EFA 8200D	Matrix:	5011			
Sample ID	DWI-3	מיני איניגינאניעניינייניאניאניאניאניאנייניינייניינייניינ	יין מאוינים מארפארט עראיייא אויילא איי איילי אייזא אויינע אויינע איינע איינע איינע איינע איינע איינע איינע איי איינע איינע איינ					
Units		T • •/.						
Check Standards - Ave.Recovery:	ppm	Limits			1	·		
Onton Standarus - Avenceuvery;					 			
1,2-Dichlorobenzene-d4	88.00%	(70-130)						
4-Bromofluorobenzene	94.00%	(70-130)						
Toluene-d8	98.80%	(70-130)						
Dichlorodifluoromethane	ND	0.005		······				
Chloromethane	ND	0.005						
Vinyl chloride	ND	0.005						
Bromomethane	ND	0.005						
Chloroethane	ND	0.005						
Acetone	ND	0.025						
Acrolein	ND	0.005						
1,1-Dichloroethylene	ND	0.005						
Methylene chloride	ND	0.025						
Acrylonitrile	ND	0.005						
trans-1,2-Dichloroethylene	ND	0.005						
1,1-Dichloroethane	ND	0.005						
Methyl ethyl ketone (MEK)	ND	0.025						
cis-1,2-Dichloroethylene	ND	0.005						
2,2-Dichloropropane	ND	0.005						
Chloroform	ND	0.005						
Bromochloromethane	ND	0.005						
1,1,1-Trichloroethane	ND	0.005						
1,2-Dichloroethane	ND	0.005						
,1-Dichloropropene	ND	0.005	ĺ					
Carbon tetrachloride	ND	0.005						
Benzene	ND	0.005						
Frichloroethylene	ND	0.005						
Date Analyzed:	7/17/2014							
Analyst:	125							
ND = None Detected	I	Page 1 of 3						

VALLEY Environmental Laboratory 15 W. Yakima Ave, St 210 Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

1

(30) 313 - 3777 TAX. (30) 313		ganic Com	pounds (Continued)
VEL Sample #			
Sample ID		n () (N. 1919) - Picking Prieston (n. 1919) - Balanta Garat (1919)	
Units	r i	Limts	
1,2-Dichloropropane	ND	0.005	
Dibromomethane	ND	0.005	
Bromodichloromethane	ND	0.005	
cis-1,3-Dichloropropene	ND	0.005	
Toluene	ND	0.005	
trans-1,3-Dichloropropene	ND	0.005	
1,1,2-Trichloroethane	ND	0.005	
1,3-Dichloropropane	ND	0.005	
Dibromochloromethane	ND	0.005	
Tetrachloroethylene	ND	0.005	
1,2-Dibromoethane	ND	0.001	
Chlorobenzene	ND	0.001	
1,1,1,2-Tetrachloroethane	ND	0.005	•
Ethylbenzene	ND	0.005	
m,p-Xylene	ND	0.005	
Styrene	ND	0.005	
o-Xylene	ND	0.005	
Bromoform	ND	0.005	
1,1,2,2-Tetrachloroethane	ND	0.005	
1,2,3-Trichloropropane	ND	0.005	
Bromobenzene	ND	0.005	
n-Propylbenzene	ND	0.005	
2-Chlorotoluene	ND	0.005	
4-Chlorotoluene	ND	0.005	
1,3,5-Trimethylbenzene	ND	0.005	
tert-Butylbenzene	ND	0.005	
1,2,4-Trimethylbenzene	ND	0.005	
sec-Butylbenzene	ND	0.005	
1,3-Dichlorobenzene	ND	0.005	
1,4-Dichlorobenzene	ND	0.005	
4-Isopropyltoluene	ND	0.005	
1,2-Dichlorobenzene	ND	0.005	
n-Butylbenzene	ND	0.005	
1,2-Dibromo-3-chloropropane	ND	0.005	
1,2,4-Trichlorobenzene	ND	0.005	
Naphthalene	ND	0.005	
Date Analyzed:	7/17/2014		
Analyst:	125		
	<u> </u>		
			Page 2 of 3

VALLEY Environmental Laboratory 15 W. Yakima Ave, St 210

Yakima, WA 98902

,

(509) 575 - 5999 Fax: (50	1		mpounds (Co	ntinuod)	
VEL Sample #		ganic Co	hpounds (Co		
Sample ID	WINNER THE PROPERTY DAMAGE MUSIC CONTRACT OF THE PROPERTY OF T	Maganan protes provinsi and maganah (Энин орольных на нализира кажалар в канак ча горона каждуна и жүни		N 2016 M (D 144) (D 144 (D 144 (D 1 14 (D 144 (D 14
Units		Limits			
1,1,1-Trichloroethane	ND	0.005		 	
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.025			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.00574	0.005			
				1	
	4				
· · · · · · · · · · · · · · · · · · ·					
Date Analyzed:	7/17/2014				
Analyst:	125				
				ĺ	
Ha		<u></u>	Page 3 of 3		

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

	Date Collecte	d: 07/08/14										
	Lab/Sample N		·		C	'ounty:	YAKIN	/IA				
	Sample Locatio	n: DWI-3										
				Date Received: 07/08/14								
					Date Rep	orted:	07/29/1	4				
				Samp	le Collect	ed By:	SDG			·		
Send	Report To:			SAMPI	E COMM	ENTS	I	Matrix	: Soil			
	PLSA Engineering											
	Attn: Scott Garland											
	1120 West Lincoln Aven	ue										
	Yakima, WA 98902											
	Polynuclear Aromatic H	ydrocarbons							<u> </u>			
DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Met	hod	Analyzed	Analys		
	Acenaphthene	ND	mg/kg	0.01			EPA 8270)D	07/17/14	125		
	Acenaphthylene	ND	mg/kg	0.01			EPA 827(D	07/17/14	125		
	Anthracene	ND	mg/kg	0.01	<u> </u>		EPA 827()D	07/17/14	125		
	Benzo(a)anthracene	ND	mg/kg	0.01			EPA 827()D	07/17/14	125		
	Benzo(a)pyrene	ND	mg/kg	0.01			EPA 827()D	07/17/14	125		
	Benzo(b)fluoranthene	ND	mg/kg	0.01			EPA 827()D	07/17/14	125		
	Benzo(ghi)perylene	ND	mg/kg	0.01			EPA 827(D	07/17/14	125		
	Benzo(k)fluoranthene	ND	mg/kg	0.01			EPA 827()D	07/17/14	125		
	Chrysene	ND	mg/kg	0.01			EPA 827()D	07/17/14	125		
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01			EPA 827()D	07/17/14	125		
	Fluoranthene	ND	mg/kg	0.01		1	EPA 8270)D	07/17/14	125		
	Fluorene	ND	mg/kg	0.01			EPA 8270	D	07/17/14	125		
	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270)D	07/17/14	125		
	Naphthalene	ND	mg/kg	0.01			EPA 8270	D	07/17/14	125		
	Phenanthrene	ND	mg/kg	0.01			EPA 8270	D	07/17/14	125		
	Pyrene	ND	mg/kg	0.01			EPA 8270	D	07/17/14	125		
	2-Methylnapthalene	ND	mg/kg	0.01			EPA 8270	D	07/17/14	125		
	Sumo anto Std.									<u> </u>		
	Surrogate Std: Terphenyl-d14	91.0	 Ω/	10 137			DDA AGES		07/17/14	105		
		71.0	%	18-137			EPA 8270	U	07/17/14	125		
				·[
i	MRL (Method Reporting Level): Ind Trigger: DOH Drinking Water respons MCL (maximum contaminant level): ND (Not Detected): Indicates this comp	e level. Public Syste Highest level recomr	ms in excess of nended by the f	this level mu ederal govern 1 at a level gre	st take addition ment for public	al samples water syst	. Recommen	ded range	on packages.			

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-30670819-8270pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Collec	cted: 07/08/14			ш, тлекс							
Lab/Sample	No: 227-70819			C	ountv	YAKIMA					
Sample Locat		<u> </u>									
1			Date Received: 07/08/14								
						07/29/14					
			Sam	ole Collect							
Send Report To:				LE COMM			x: Soil				
PLSA Engineering			1								
Attn: Scott Garland											
1120 West Lincoln Av	enue										
Yakima, WA 98902											
Cadmium, Chromium	, Nickel, Zinc		<u>. </u>		<u> </u>		<u></u>				
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst			
Cadmium	ND	mg/kg	0.511			EPA 6020A		125			
Chromium	19.9	mg/kg	0.511			EPA 6020A	07/23/14	125			
Nickel	17.2	mg/kg	0.511			EPA 6020A	07/23/14	125			
Zinc	62.2	mg/kg	0.511			EPA 6020A	07/23/14	125			
		-									
-											
											
		-									
					<u> </u>	<u> </u>					
							1				
							1				
MRL (Method Reporting Level): Trigger: DOH Drinking Water respo				-		-	on packages.				
MCL (maximum contaminant level	I): Highest level recomm	ended by the fed	leral governm	nent for public v	water syste	ms.					
ND (Not Detected): Indicates this co	ombonnn was apalâzed at	iu not detected a		proved By:	u to the M	KL OF SKL.					

70819-cdcrni

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Batch #: 140714014 Address: 15 W. YAKIMA AVE STE210 Project Name: VOC / METALS / PAH / PCB YAKIMA, WA 98901 Attn: DARA OSBORNE

Analytical Results Report

Sample Number	140714014-007	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70819	Sampling Time	10:32 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	,
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
crylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
enzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
romobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
romochloromethane	ND	ng/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0096; FL(NELAP): E871099

,

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

	- oplague ote. D • opokal		+ (509) 050-58		(309) 636-4433 • em	ali spokane(-	@anatekiaps.com	
Client:	VALLEY ENVIRON		AB		Batch #:		7 140 14	
Address:	15 W. YAKIMA AVE	STE210			Project Nam	ne: VOC	C / METALS / P.	AH / PCB
	YAKIMA, WA 98901							
Attn:	DARA OSBORNE							
		Ar	nalytical l	Result	s Report			
Sample Number	140714014-007		Sampling D	ate	7/8/2014 Date	/Time Rece	ived 7/11/2014	11:20 AM
Client Sample ID			Sampling T		10:32 AM			
Matrix Comments	Soil		Sample Loc	ation				
oonmenta								
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichlor	romethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromometha	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulf	īde	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetra	chloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzer	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	•	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethar	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichlo	roethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichlo	ropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochlor	omethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromometh	ane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifiuo	romethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobu	tadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Isopropylbenz	ene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl k	etone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobuty	/I ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chi	oride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl	ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C586; MT:Cert0095; FL(NELAP): E871099

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

0.005

0.005

0.005

0.005

0,005

0.005

7/17/2014

7/17/2014

7/17/2014

7/17/2014

7/17/2014

7/17/2014

SAT

SAT

SAT

SAT

SAT

SAT

EPA 8260B

EPA 8260B

EPA 8260B

EPA 8260B

EPA 8260B

EPA 8260B

ND

ND

ND

ND

ND

ND

n-Butylbenzene

n-Propylbenzene

p-isopropyltoluene

sec-Butylbenzene

o-Xylene

Styrene

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901YAKIMA OSBORNEVOC / METALS / PAH / PCB

Analytical Results Report

ample Number Hent Sample ID Natrix Homments	140714014-007 70819 Soil		Sampling Da Sampling Ti Sample Loc	me	7/8/2014 Da 10:32 AM	te/Time Recei	ved 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
tert-Butylbenze	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethe	ene	0.00574	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichle	proethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichle	propropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene	•	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouror	nethane	NÐ	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture		6.2	Percent		7/17/2014	SAT	%moisture	

mple Number	140714014-007			
Surrogate Sta	ndard	Method	Percent Recovery	Control Limits
1,2-Dichlorobe	nzene-d4	EPA 8260B	88.0	70-130
4-Bromofluorol	oenzene	EPA 8260B	94.0	70-130
Toluene-d8		EPA 8260B	98.8	70-130

Surrogate Data

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0026; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEEnd Content of the second se

Analytical Results Report

Sample Number Client Sample ID Aatrix Comments	140714014-007 70819 Soil		Sampling Da Sampling Ti Sample Loc	me		ate/Time Rece xtraction Date	ived 7/11/2014 7/17/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Dat	e Analyst	Method	Qualifie
2-Methylnaphth	alene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthylen	e	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo(ghi)pery	lene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]anthra	cene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]pyrene	:	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[b]fluorar	thene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[k]fluoran	thene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Chrysene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Dibenz[a,h]anth	racene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluoranthene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Indeno[1,2,3-cd]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Naphthalene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Phenanthrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Pyrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
%moisture		6.2	Percent		7/17/2014	SAT	%moisture	
			Surrog	ate Da	ta	<u></u> "		

Sample Number				
Surrogate Standard	Method	Percent Recovery	Control Limits	
Terphenyl-d14	EPA 8270D	91.0	18-137	

Certifications heid by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00D13; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-007 70819 Soil		Sampling Da Sampling Ti Sample Loca	me	7/8/2014 10:32 AM	Date/Time Recei Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifie
Aroclor 1016 (I	PCB-1016)	ND	mg/Kg	0.1	7/22/201	I4 SAT	EPA 8082	
Aroclor 1221 (F	PCB-1221)	ND	mg/Kg	0.1	7/22/201	i4 SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1242 (F	PCB-1242)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1248 (F	PCB-1248)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1254 (F	PCB-1254)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
PCB 8082 (tota	al)	ND	mg/kg	0.1	7/22/201	4 SAT	EPA 8082	
%moisture		6.2	Percent		7/17/201	4 SAT	%moisture	
			Surroga	ate Dat	ta			
mple Number	140714014-007							
Surrogate St	andard		Method		P	ercent Recovery	Control L	.imits
DCB			EPA 808	32		92.8	30-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

			J	A 8200B							
Date Collec	ted: 07/08/14										
Lab/Sample Sample Locat	No: 227-70820		County: YAKIMA								
Sample Locat	10fl: DW1-13			Data Da		: 07/08/14		. <u>.</u>			
			-			: 07/29/14	<u> </u>				
			Sami	ple Collect	-						
end Report To:				LE COMM	· · ·	and the second se	x: Soil				
PLSA Engineering			, STRINE ,					• .			
Attn: Scott Garland											
1120 West Lincoln Ave	enue										
Yakima, WA 98902			1								
BTEX by EPA 8260B	<u></u>		"I								
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
Benzene	ND	ppm	0.005		+	EPA 8260B	07/17/14	125			
Toluene	ND	ppm	0.005	· · · · -		EPA 8260B	07/17/14	· · · · ·			
Ethylbenzene	ND	ppm	0.005	····		EPA 8260B	07/17/14	125			
Xylenes (m,p,o)	ND	ppm	0.005			EPA 8260B	07/17/14	125			
MRL (Method Reporting Level): 1 Trigger: DOH Drinking Water respondence MCL (maximum contaminant level	onse level. Public Syster	ns in excess of	this level mu	ist take addition	al samples	s. Recommended rang					
ND (Not Detected): Indicates this co						7					

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70820-btex

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

Washington State DOE Accredited Lab # Sampled At: DWI-13	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 10:15 AM Sampled By: SDG				
PLSA Engineering					
Attn: Scott Garland					
1120 West Lincoln Avenue					Invoice
Yakima, WA 98902					2770
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: Soi	-
VEL Sample #	227-70820				
Sample ID	DWI-13	אנענגעראטאראטאראטאראטאראטאראטאראטאראטאראטאראט	an (() () () () () () () () ()	n n n n n n n n n n n n n n n n n n n	r ann la fairrann in rainn au
Units	ppm	Limits			
Check Standards - Ave.Recovery:					
···					
1,2-Dichlorobenzene-d4	88.00%	(70-130)			
4-Bromofluorobenzene	94.40%	(70-130)			
Toluene-d8	99.20%	(70-130)			
Dichlorodifluoromethane	ND	0.005			
Chloromethane	ND	0.005			
Vinyl chloride	ND	0.005			
Bromomethane	ND	0.005			
Chloroethane	ND	0.005			
Acetone	ND	0.025			
Acrolein	ND	0.005			
1,1-Dichloroethylene	ND	0.005			
Methylene chloride	ND	0.025			
Acrylonitrile	ND	0.005			
trans-1,2-Dichloroethylene	ND	0.005			
1,1-Dichloroethane	ND	0.005			
Methyl ethyl ketone (MEK)	ND	0.025			
cis-1,2-Dichloroethylene	ND	0.005			
2,2-Dichloropropane	ND	0.005			
Chloroform	ND	0.005			
Bromochloromethane	ND	0.005			
1,1,1-Trichloroethane	ND	0.005			
1,2-Dichloroethane	ND	0.005			
1,1-Dichloropropene	ND	0.005			
Carbon tetrachloride	ND	0.005			
Benzene	ND	0.005			
Trichloroethylene	ND	0.005			
Date Analyzed:	7/17/2014				
Analyst:	125				

15 W. Yakima Ave, Ste 210

Yakima, WA 98902

	Volatile Organic Compounds (Continued)						
VEL Sample #							
Sample ID		WIN YEAR AND					
Units	ppm	Limts					
1,2-Dichloropropane	ND	0.005					
Dibromomethane	ND	0.005					
Bromodichloromethane	ND	0.005					
cis-1,3-Dichloropropene	ND	0.005					
Toluene	ND	0.005					
trans-1,3-Dichloropropene	ND	0.005					
1,1,2-Trichloroethane	ND	0.005					
1,3-Dichloropropane	ND	0.005					
Dibromochloromethane	ND	0.005					
Tetrachloroethylene	ND	0.005					
1,2-Dibromoethane	ND	0.001					
Chlorobenzene	ND	0.005					
1,1,1,2-Tetrachloroethane	ND	0.005					
Ethylbenzene	ND	0.005					
m,p-Xylene	ND	0.005					
Styrene	ND	0.005					
o-Xylene	ND	0.005					
Bromoform	ND	0.005					
1,1,2,2-Tetrachloroethane	ND	0.005					
1,2,3-Trichloropropane	ND	0.005					
Bromobenzene	ND	0.005					
n-Propylbenzene	ND	0.005					
2-Chlorotoluene	ND	0.005					
4-Chlorotoluene	ND	0.005					
1,3,5-Trimethylbenzene	ND	0.005					
tert-Butylbenzene	ND	0.005					
1,2,4-Trimethylbenzene	ND	0.005					
sec-Butylbenzene	ND	0.005					
1,3-Dichlorobenzene	ND	0.005					
1,4-Dichlorobenzene	ND	0.005					
4-Isopropyltoluene	ND	0.005					
1,2-Dichlorobenzene	ND	0.005					
n-Butylbenzene	ND	0.005					
1,2-Dibromo-3-chloropropane	ND	0.005					
1,2,4-Trichlorobenzene	ND	0.005					
Naphthalene	ND	0.005					
Date Analyzed:	7/17/2014						
Analyst:	125						
			Page 2 of 3				

15 W. Yakima Ave, Ste 210

Yakima, WA 98902

		ganic Con	<u>npounds (Co</u>	ntinued)	
VEL Sample #					
Sample ID			nazarini tegan na majar u ji lujaja (na cere presa praza du an du persan I	CHARGEN WAR (1719/12/12/12/12/12/10)	SET TE TERRETARIA SANA KANGSUSA MUNIKUN KANG PUN SUPUT DATA MUNIKUN KANG PUN SUPUT DATA MUNIKUN KANG PUN SUPUT
Units		Limits			
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005	2 1 2		
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.005			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.00674	0.005			
· · · · · ·					
Date Analyzed:	7/17/2014				
Analyst:	125				
			Page 3 of 3	V	

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

		· · · · =								
Lab/Sample N		}		<u> </u>	ounty:	YAKIMA				
Sample Locatio	on: DWI-13									
						: 07/08/14				
		<u>.</u> .				07/29/14				
		-		ole Collect						
and Report To:			SAMPI	LE COMM	ENTS	Matri	x: Soil			
PLSA Engineering										
Attn: Scott Garland										
1120 West Lincoln Aven	ue									
Yakima, WA 98902										
Polynuclear Aromatic H	ydrocarbons									
)H# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	l Analy		
Acenaphthene	ND	mg/kg	0.01	·		EPA 8270D	07/17/14	125		
Acenaphthylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Benzo(a)anthracene	0.0139	mg/kg	0.01			EPA 8270D	07/17/14	125		
Benzo(a)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Benzo(b)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Benzo(ghi)perylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Benzo(k)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Chrysene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Dibenzo(a,h)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Fluoranthene	0.0119	mg/kg	0.01			EPA 8270D	07/17/14	125		
Fluorene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Naphthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Phenanthrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
2-Methylnapthalene	ND	mg/kg	0.01		L	EPA 8270D	07/17/14	125		
				<u></u>				<u> </u>		
	· -				 	·				
Surrogate Std:										
Terphenyl-d14	88.8	%	18-137		·	EPA 8270D	07/17/14	125		
						· ·				

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-30670820 – 8270 pah

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

227-70820 DWI-13		-					
DWI-13			<u>_</u>	ounty:	YAKIMA		
			Date Re	ceived:	07/08/14		
					07/29/14		
		Samp	le Collect	ed By:	SDG		
		SAMPI	LE COMM	ENTS	Matri	x: Soil	
:							
						<u> </u>	
Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy
ND	mg/kg	0.1			EPA 8082	07/22/14	125
ND	mg/kg	0.1			EPA 8082	07/22/14	125
ND	mg/kg	0.1			EPA 8082	07/22/14	125
ND	mg/kg	0.1			EPA 8082	07/22/14	125
ND	mg/kg	0.1			EPA 8082	07/22/14	125
NÐ	mg/kg	0.1			EPA 8082	07/22/14	125
ND	mg/kg	0.1			EPA 8082	07/22/14	125
ND	mg/kg	0.1			EPA 8082	07/22/14	125
·		-			· · · ··· · ·		
93.9	%	30-130		· · · · · · · · · · · · · · · · · · ·	EPA 8082	07/22/14	125
						·····	
		~			·		
	·		···		<u></u>	·	
			·		·		· · · · · · · · · · · · · · · ·
						·	
	Results ND	ResultsUnitsNDmg/kgNDmg/kgNDmg/kgNDmg/kgNDmg/kgNDmg/kgNDmg/kgNDmg/kgNDmg/kgNDmg/kg	Results Units MRL ND mg/kg 0.1 ND mg/kg 0.1	Results Units MRL Trigger ND mg/kg 0.1 ND mg/kg 0.1	ResultsUnitsMRLTriggerMCLNDmg/kg0.1	Results Units MRL Trigger MCL Method ND mg/kg 0.1 EPA 8082 ND mg/kg 0.1 EPA 8082	SAMPLE COMMENTS Matrix: Soil Results Units MRL Trigger MCL Method Analyzed ND mg/kg 0.1 EPA 8082 07/22/14 MD

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70820-pcbs

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Collecte					.,			
Lab/Sample N				<u> </u>	ounty:	YAKIMA		
Sample Locatio	on: DW1-13					0.710.014.4		
		<u>. </u>				07/08/14		
			C amou			07/29/14		
Send Report To:				ole Collect				
PLSA Engineering			SAME		LEAVIS	Iviatri	x: Soil	
Attn: Scott Garland								
1120 West Lincoln Aven	110							
	ut							
Yakima, WA 98902 Cadmium, Chromium, Nic	kel Zinc		<u> </u>			<u> </u>		
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst
Cadmium	ND	 mg/kg	0.535			EPA 6020A	07/23/14	125
Chromium	20.0	mg/kg	0.535			EPA 6020A	07/23/14	125
Nickel	18.7	mg/kg	0.535			EPA 6020A	07/23/14	125
Zinc	68.7	mg/kg	0.535			EPA 6020A	07/23/14	125
· · · · · · · · · · · · · · · · · · ·								
								-
· · · · · · · · · · · · · · · · · · ·								
						· · · · · ·	1	
						<u>. </u>		
MRL (Method Reporting Level): Ind		·····			<u></u>			
MCL (Method Reporting Lever): Ind Trigger: DOH Drinking Water respons MCL (maximum contaminant level): 1 ND (Not Detected): Indicates this comp	e level. Public Systen Highest level recomm	ns in excess of the fection of the f	nis level mus leral governn at a level grea	t take additionation	l samples. water syste	Recommended range	on packages.	

70820-cdcrni

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anatekiabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anatekiabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEVOC / METALS / PAH / PCB

Analytical Results Report

Sample Number	140714014-008	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70820	Sampling Time	10:15 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	NÐ	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA: ID00013; AZ:0701; CO:ID00013; FL(NELAP): E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR: ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA: WA00169; ID: WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRONMENTAL LAB 15 W. YAKIMA AVE STE210	Batch #: Project Name:	140714014 VOC / METALS / PAH / PCB
Attn:	YAKIMA, WA 98901 DARA OSBORNE		
	Analytical Resu	ilts Report	

Analytical Results Report

Sample Number Client Sample ID	140714014-008 70820	Sampling Date Sampling Time	7/8/2014 10:15 AM	Date/Time Received	7/11/2014	11:20 AM
Matrix Comments	Soil	Sample Location				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200D01-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C586; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901DARA OSBORNEE

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-008 70820 Soil		Sampling D Sampling Ti Sample Loc	me	7/8/2014 Date 10:15 AM	/Time Rece	ived 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
tert-Butylbenze	ine	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethe	ene	0.00674	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichl	oroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichl	oropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene	9	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouror	nethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture		9.7	Percent		7/17/2014	SAT	%moisture	

ole Number 140714014-008				
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	88.0	70-130	
4-Bromofluorobenzene	EPA 8260B	94.4	70-130	
Toluene-d8	EPA 8260B	99.2	70-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; CR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:140714014Address:15 W. YAKIMA AVE STE210Project Name:VOC / METALS / PAH / PCBYAKIMA, WA 98901YAKIMA OSBORNEVOC / METALS / PAH / PCB

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-008 70820 Soil		Sampling Da Sampling Ti Sample Loc	me	7/8/2014 10:15 AM	Date/Tim Extractio	e Received n Date	7/11/2014 7/17/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis	Date An	alyst	Method	Qualifie
2-Methylnaphth	nalene	ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Acenaphthene		ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Acenaphthylen	e	ND	mg/Kg	0.01	7/17/20	014 E	MP E	PA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Benzo(ghi)pery	lene	ND	mg/Kg	0.01	7/17/20	014 E	MP E	PA 8270D	
Benzo[a]anthra	cene	0.0139	mg/Kg	0.01	7/17/20	014 E	MP E	PA 8270D	
Benzo[a]pyrene	÷	ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Benzo[b]fluorar	thene	ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Benzo[k]fluorar	thene	ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Chrysene		ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Dibenz[a,h]anth	racene	ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Fluoranthene		0.0119	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/20)14 E	MP E.	PA 8270D	
Indeno[1,2,3-cd]pyrene	ND	mg/Kg	0.01	7/17/20)14 E	MP E	PA 8270D	
Naphthalene		ND	mg/Kg	0.01	7/17/20)14 E	MP EI	PA 8270D	
Phenanthrene		ND	mg/Kg	0.01	7/17/20)14 E	MP EI	PA 8270D	
Pyrene		ND	mg/Kg	0.01	7/17/20	14 E	MP EI	PA 8270D	
%moisture		9.7	Percent		7/17/20	14 S	AT %	Smoisture	
			Surrog	ate Da	ta				

Terphenyl-d14 EPA 8270D 88.8 18-137	Surrogate Standard	Method	Percent Recovery	Control Limits	
	Terphenyl-d14	EPA 8270D	88.8	18-137	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0096; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Ctient Sample ID Matrix Comments	140714014-008 70820 Soil		Sampling Da Sampling Ti Sample Loca	me	7/8/2014 10:15 AM	Date/Time Receiv Extraction Date	red 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifie
Aroclor 1016 (I	PCB-1016)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1221 (I	PCB-1221)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1242 (I	PCB-1242)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1248 (F	PCB-1248)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1254 (F	PCB-1254)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
PCB 8082 (tota	al)	ND	mg/kg	0.1	7/22/201	4 SAT	EPA 8082	
%moisture		9.7	Percent		7/17/201	4 SAT	%moisture	
			Surroga	ite Dat	a			
mple Number	140714014-008	<u> </u>			. <u></u>			
Surrogate St	andard		Method		Pe	ercent Recovery	Control L	imits
DCB		EPA 8082			93.9	30-130		

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

	Date Colle	ected: 07/08/14										
	Lab/Sample No: 227-70821 Sample Location: UST2-2			0	County:	YAKIMA						
	Sample Loca	ation: US12-2		Date Received: 07/08/14								
							07/29/14					
				Sami	ble Collect							
end Re	port To:	· · · · · · · · · · · · · · · · · · ·			LE COMM			x: Soil				
	SA Engineering	- · · · · · · · · · · · · · · · · · · ·										
	tn: Scott Garland											
	20 West Lincoln Av	venue										
Ya	kima, WA 98902											
	EX by EPA 8260B	· · · · · · · · · · · · · · · · · · ·			·····	- decim						
OH# An		Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
	nzene	ND	ррт	0.005			EPA 8260B		125			
	uene	ND	ppm	0.005			EPA 8260B	07/17/14	125			
	ylbenzene	ND ND	ppm	0.005			EPA 8260B	07/17/14	125			
	lenes (m,p,o)	ND	ppm	0.005			EPA 8260B	07/17/14	125			
							·					
	· ·		· -=			+						
		· · · · · · · · · · · · · · · · · · ·										
							· · ·					
	·					<u>†</u>	· · · · · · · · · · · · · · · · · · ·					
					·							
				-			· ·					
				ļļ	<u>, </u>							
				ļ								
							· · · · · · · · · · · · · · · · · · ·	···	···			
				<u></u>	·				·.			
					<u> </u>			· · ·				
						-~.	·					
						·						
Trigg MCL	(Method Reporting Level) er: DOH Drinking Water res (maximum contaminant lev Not Detected): Indicates this	sponse level. Public Systen vel): Highest level recomm	ns in excess of ended by the f	this level mu ederal govern i at a level gro	st take addition ment for public	al samples water sys	. Recommended rang		<u></u>			

70821-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: UST2-2	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 11:16 AM Sampled By: SDG					
PLSA Engineering						
Attn: Scott Garland						
1120 West Lincoln Avenue					Invoice	
Yakima, WA 98902					2770	
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: S	Soil	
VEL Sample #	227-70821					
Sample ID	UST2-2					
Units	ppm	Limits				
Check Standards - Ave.Recovery:						
1,2-Dichlorobenzene-d4	87.60%	(70-130)				
4-Bromofluorobenzene	94.40%	(70-130)				
Toluene-d8	99.20%	(70-130)				
Dichlorodifluoromethane	ND	0.005				
Chloromethane	ND	0.005				
Vinyl chloride	ND	0.005				
Bromomethane	ND	0.005				
Chloroethane	ND	0.005				
Acetone	ND	0.025				
Acrolein	ND	0.005				
1,1-Dichloroethylene	ND	0.005				
Methylene chloride	ND	0.025				
Acrylonitrile	ND	0.005				
trans-1,2-Dichloroethylene	ND	0.005				
1,1-Dichloroethane	ND	0.005				
Methyl ethyl ketone (MEK)	ND	0.025				
cis-1,2-Dichloroethylene	ND	0.005				
2,2-Dichloropropane	ND	0.005				
Chloroform	ND	0.005				
Bromochloromethane	ND	0.005				
1,1,1-Trichloroethane	ND	0.005				
,2-Dichloroethane	ND	0.005				
,1-Dichloropropene	ND	0.005				
Carbon tetrachloride	ND	0.005		ļ		
Benzene	ND	0.005				
Trichloroethylene	ND	0.005				
Date Analyzed:	7/17/2014					
Analyst:	125					
JD = None Detected	I	Page 1 of 3				

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (500) 575 - 3999 Fax: (509) 575 - 3068

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

Naphthalene

	<u>Volatile Or</u>	ganic Com	pounds (C	ontinued)	
VEL Sample #	70821				
Sample ID	UST2-2	a na a mpa ana ana ara ara ara ara ara ara ara ar	(mr vena ca bio water Jack III with in 1994) () 4	1994 (1974) (1979) (1976) A CHARLEND IN DUDING THE OLD (1970) (1970) A DUDING A LIVER A	1939 An
Units	ppm	Limts			
1,2-Dichloropropane	ND	0.005			
Dibromomethane	ND	0.005			
Bromodichloromethane	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Toluene	ND	0.005			
trans-1,3-Dichloropropene	ND	0.005			
1,1,2-Trichloroethane	ND	0.005			
1,3-Dichloropropane	ND	0.005			
Dibromochloromethane	ND	0.005			
Tetrachloroethylene	ND	0.005			
1,2-Dibromoethane	ND	0.005			
Chlorobenzene	ND	0.001			
1,1,1,2-Tetrachloroethane	ND	0.005			
Ethylbenzene	ND	0.005			
m,p-Xylene	ND	0.005			
Styrene	ND	0.005			
o-Xylene	ND	0.005			
Bromoform	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,2,3-Trichloropropane	ND	0.005			
Bromobenzene	ND	0.005			
n-Propylbenzene	ND	0.005			
2-Chlorotoluene	ND	0.005			
4-Chlorotoluene	ND	0.005			
1,3,5-Trimethylbenzene	ND	0.005			
ert-Butylbenzene	ND	0.005			
1,2,4-Trimethylbenzene	ND	0.005			
sec-Butylbenzene	ND	0.005			
1,3-Dichlorobenzene	ND	0.005			
,4-Dichlorobenzene	ND	0.005			
-Isopropyltoluene	ND	0.005			
,2-Dichlorobenzene	ND	0.005			
a-Butylbenzene	ND	0.005			
		1	1	1	

ND

ND

NÐ

7/17/2014

125

Date Analyzed:

Analyst:

0.005

0.005

0.005

Page 2 of 3

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210

Yakima, WA 98902

.

	Volatile Or	ganic Co	mpounds (Con	tinued)	
VEL Sample #					
Sample ID		a a dha ann ann ann ann ann ann ann ann ann a	1997 (AL OFFICIAL DE TRUTTAL AL MANY DE TRUTTAL DE COMMUNE DE LEUR DE LA DEPARTA DE LEUR DE LA DEPARTA DE LEUR	na ang ang ang ang ang ang ang ang ang a	in A menor manana (menor manana (menor) (de) (de)
Units	ppm	Limits			
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.005			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.00647	0.005			
······································					
Date Analyzed:	7/17/2014				
Analyst:	125				
				1	
			Page 3 of 3		

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

	Lab/Sample N				County: YAKIMA								
To the second second	Sample Locatio	n: UST2-2											
14 SPA					Date Received: 07/08/14								
-414) -414)					Date Rep	ported:	07/29/14						
				Sam	ole Collect	ted By:	SDG						
Send	end Report To:			SAMPI	LE COMM	ENTS	Matri	x: Soil					
ļ	PLSA Engineering						· · · · ·						
	Attn: Scott Garland												
	1120 West Lincoln Aven	ue											
	Yakima, WA 98902												
	Polynuclear Aromatic H	ydrocarbons			<u></u>			<u></u>					
DOH	# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys				
	Acenaphthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Acenaphthylene	ND	mg/kg	0.01		-	EPA 8270D	07/17/14	125				
	Anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Benzo(a)anthracene	ND	mg/kg	0.01		·	EPA 8270D	07/17/14	125				
	Benzo(a)pyrene	ND	mg/kg	0.01	<u></u> <u></u>		EPA 8270D	07/17/14	125				
	Benzo(b)fluoranthene	ND	mg/kg	0.01		-	EPA 8270D	07/17/14	125				
	Benzo(ghi)perylene	ND	mg/kg	0.01	•••••••••		EPA 8270D	07/17/14	125				
	Benzo(k)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Chrysene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01		1	EPA 8270D	07/17/14	125				
	Fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Fluorene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Naphthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	Phenanthrene	ND	mg/kg	0.01		~	EPA 8270D	07/17/14	125				
	Pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	2-Methylnapthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125				
	· · · · · · · · · · · · · · · · · · ·												
	Surrogate Std:												
	Terphenyl-d14	92.9	%	18-137			EPA 8270D	07/17/14	125				

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3067 0821-8270 pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	ted: 07/08/14					· · · · · · · · · · · · · · · · · · ·					
	No: 227-70821		County: YAKIMA								
Sample Locat	ion: US12-2										
	····		Date Received: 07/08/14 Date Reported: 07/29/14								
			Same								
end Report To:			Sample Collected By: SDG SAMPLE COMMENTS Matrix: Soil								
PLSA Engineering			Sinin 1			1714111					
Attn: Scott Garland											
1120 West Lincoln Ave	enue										
Yakima, WA 98902											
PCB's (Soil)		······									
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
Aroclor 1016	ND	mg/kg	0.1			PA 8082	07/22/14	125			
Aroclor 1221	ND	mg/kg	0.1	·	E	PA 8082	07/22/14	125			
Aroclor 1232	ND	mg/kg	0.1		E	PA 8082	07/22/14	125			
Aroclor 1242	ND	mg/kg	0.1		E	PA 8082	07/22/14	125			
Aroclor 1248	ND	mg/kg	0.1		E	PA 8082	07/22/14	125			
Aroclor 1254	ND	mg/kg	0.1			PA 8082	07/22/14	125			
Aroclor 1260	ND	mg/kg	0.1		· · · · · · · · · · · · · · · · · · ·	PA 8082	07/22/14	125			
PCB 8082 (total)	ND	mg/kg	0.1		E	PA 8082	07/22/14	125			
	~ · · -			· - ·							
Surrogate Std:	-										
DCB	84.4	%	30-130		E	PA 8082	07/22/14	125			
		·		·	<u> </u>						
								ļ			
		<u> </u>	· · ·								
;,,,		·			·····						
				····							
MRL (Method Reporting Level):											
Trigger: DOH Drinking Water respo MCL (maximum contaminant level ND (Not Detected): Indicates this co): Highest level recomm	nended by the f	èderal govern	ment for public	water system	ns.	ge on packages.				
				proved By:							

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70821-pcbs

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Col	lected: 07/08/14					-					
Lab/Samp	ole No: 227-70821			C	ounty:	YAKIMA					
	cation: UST2-2				Ť.						
	·····		Date Received: 07/08/14								
			Date Reported: 07/29/14								
			Sample Collected By: SDG								
end Report To:			SAMPI	LE COMM	IENTS	Matri	x: Soil				
PLSA Engineering											
Attn: Scott Garland											
1120 West Lincoln A	Venue										
Yakima, WA 98902											
Cadmium, Chromiu	m, Nickel, Zinc										
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst			
Cadmium	ND	mg/kg	0.535			EPA 6020A	07/23/14	125			
Chromium	18.9	mg/kg	0.535			EPA 6020A	07/23/14	125			
Nickel	17.6	mg/kg	0.535			EPA 6020A	07/23/14	125			
Zinc	68.0	_mg/kg	0.535			EPA 6020A	07/23/14	125			
			Í								
							_				
							-				
						· · · · · · · · · · · · · · · · · · ·					
MRL (Method Reporting Level Trigger: DOH Drinking Water re MCL (maximum contaminant le ND (Not Detected): Indicates thi	esponse level. Public System	ns in excess of t ended by the fee	his level mus leral governr	t take additionat	l samples. water syste	Recommended range	on packages.				
			Ар	proved By:							

70821-cdcrni

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

YAKIMA, WA 98901

Attn:

DARA OSBORNE

Analytical Results Report

Batch #:

Project Name:

140714014

VOC / METALS / PAH / PCB

Sample Number	140714014-009	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70821	Sampling Time	11:16 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mġ/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; iD:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB

Address: 15 W. YAKIMA AVE STE210

YAKIMA, WA 98901

140714014 Batch #:

Project Name: VOC / METALS / PAH / PCB

Attn:

DARA OSBORNE

Analytical Results Report

Sample Number	140714014-009	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM	
Client Sample ID	70821	Sampling Time	11:16 AM				
Matrix	Soil	Sample Location					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform .	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	•
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number	140714014-009		Sampling Da	ite	7/8/2014 [Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70821		Sampling Tir	ne	11:16 AM			
Matrix	Soil		Sample Loca	ation				
Comments			•					
Parameter		Result	Units	POL	Analysis Da	te Analyst	Method	Qualifier

	Hobdit	•	1 44	7-0101y 010 0 4 4 4	Analyst	Methou	quamer
tert-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethene	0.00647	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Trichloroflouromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
%moisture	7.3	Percent		7/17/2014	SAT	%moisture	

Surrogate Data							
Method	Percent Recovery	Control Limits					
EPA 8260B	87.6	70-130					
EPA 8260B	94.4	70-130					
EPA 8260B	99.2	70-130					
	Method EPA 8260B EPA 8260B	Method Percent Recovery EPA 8260B 87.6 EPA 8260B 94.4					

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00D13; OR:ID200D01-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Address: Attn:	15 W. YAKIMA AVE YAKIMA, WA 98901	STE210			Batch #:		714014	
Attn:	YAKIMA, WA 98901				Project N	lame: VO	C / METALS / P	
Attn:					, ,			
	DARA OSBORNE							
	b) i b i b b b b l i i i	An	alytical R	esult	s Report			
Sample Number	140714014-009		Sampling D	ate	7/8/2014	Date/Time Rece	ived 7/11/2014	11:20 AM
Client Sample ID	70821		Sampling Ti	me	11:16 AM E	Extraction Date	7/17/2014	
Matrix	Soil		Sample Loc	ation				
Comments								
Parameter		Result	Units	PQL	Analysis Dat	te Analyst	Method	Qualifie
2-Methylnaph	thalene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthen	e	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Acenaphthyle	ne	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo(ghi)pe	rylene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]anthr	racene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[a]pyrer	ıė	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[b]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Benzo[k]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Chrysene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Dibenz[a,h]an	thracene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluoranthene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Indeno[1,2,3-c	d]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Naphthalene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Phenanthrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
Pyrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D	
%moisture		7.3	Percent		7/17/2014	SAT	%moisture	
	, 	·	Surrog	ate Da	ita		· · · · ·	

Sample Number	140714014-009				
Surrogate Sta	andard	Method	Percent Recovery	Control Limits	
Terphenyl-d14	l	EPA 8270D	92.9	18-137	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C686; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-009 70821 Soil		Sampling Da Sampling Ti Sample Loca	me		Date/Time Recei Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Da	ate Analyst	Method	Qualifier
Aroclor 1016 (F	PCB-1016)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1221 (F	PCB-1221)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1232 (F	PCB-1232)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1242 (F	PCB-1242)	ND	mg/Kg	0.1	7/22/201	4 SAT	EPA 8082	
Aroclor 1248 (F	PCB-1248)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1254 (F	PCB-1254)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
PCB 8082 (tota	i)	ND	mg/kg	0.1	7/22/2014	4 SAT	EPA 8082	
%moisture		7.3	Percent		7/17/2014	4 SAT	%moisture	
			Surroga	te Dai	ta			
nple Number	140714014-009				· · · · · ·			<u> </u>
Surrogate St	andard		Method		Pe	ercent Recovery	Control L	.imits
DCB			EPA 808	2	84.4		30-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:CertD095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

		DIEA		4 8200B							
Date Collec	eted: 07/08/14		-			<u>.</u>					
	No: 227-70822			C	County:	YAKIMA					
Sample Locat	tion: UST2-11										
			Date Received: 07/08/14								
		•••••••••	Date Reported: 07/29/14 Sample Collected By: SDG								
end Report To:				E Collect			61 PF				
PLSA Engineering			SAWIPI		ULIN I S	Matri	x: Soil				
Attn: Scott Garland											
1120 West Lincoln Ave	enne										
Yakima, WA 98902	Chut										
BTEX by EPA 8260B			<u>I</u>								
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
Benzene	ND	ppm	0.005			EPA 8260B	07/17/14	125			
Toluene	ND	ppm	0.005			EPA 8260B	07/17/14	125			
Ethylbenzene	ND	ppm	0.005			EPA 8260B	07/17/14	125			
Xylenes (m,p,o)	ND	ррт	0.005	<u>_</u>	-	EPA 8260B	07/17/14	125			
· ·	·			·							
		· -	_			· · · ·					
			+					·			
		·									
······································					+						
						····· •· •		· · ·			
			- I								
	¹		ļ		· · ·						
				·		·					
						·					
						····					
· · · · · ·								<u></u>			
		· · ·									
		· · · ·									
MRL (Method Reporting Level): Trigger: DOH Drinking Water resp MCL (maximum contaminant level ND (Not Detected): Indicates this co	onse level. Public System I): Highest level recomm	ns in excess of conded by the f	this level mu ederal govern l at a level gre	st take addition ment for public eater than or equ	al samples. water syste	Recommended rang					
			A	proved By:		\sim					

ļ

70822-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: UST2-11	C345	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 11:07 AM Sampled By: SDG						
PLSA Engineering								
Attn: Scott Garland		2 •						
1120 West Lincoln Avenue					Invoice			
Yakima, WA 98902		277(
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: Soi	i 1			
VEL Sample #	227-70822	I RAL PRATERATION DE LA CARA ANY () MART AL AND PROFESSION POR						
Sample ID	UST2-11							
Units	ррт	Limits						
Check Standards - Ave.Recovery:								
1.2 Dichland	00 (00)							
1,2-Dichlorobenzene-d4 4-Bromofluorobenzene	88.40%	(70-130)						
Toluene-d8	95.60%	(70-130)						
	99.60%	(70-130)						
Dichlorodifluoromethane	ND	0.005						
Chloromethane	ND	0.005						
Vinyl chloride	ND	0.005						
Bromomethane	ND	0.005						
Chloroethane	ND	0.005						
Acetone	ND	0.025						
Acrolein	ND	0.005						
1,1-Dichloroethylene	ND	0.005						
Methylene chloride	ND	0.025						
Acrylonitrile	ND	0.005						
trans-1,2-Dichloroethylene	ND	0.005						
1,1-Dichloroethane	ND	0.005						
Methyl ethyl ketone (MEK)	ND	0.025		10 yr 10				
cis-1,2-Dichloroethylene	ND	0.005						
2,2-Dichloropropane	ND	0.005						
Chloroform	ND	0.005						
Bromochloromethane	ND	0.005						
1,1,1-Trichloroethane	ND	0.005						
1,2-Dichloroethane	ND	0.005						
1,1-Dichloropropene	ND	0.005						
Carbon tetrachloride	ND	0.005						
Benzene	ND	0.005						
Frichloroethylene	ND	0.005	1					
Date Analyzed:	7/17/2014							
Analyst:	125							
ND = None Detected	I	Page 1 of 3						

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902

,

(509)	575 - 39	99 Fax:	(509)	575 - 3068

(307) 373 - 3979 FAX. (309) 373	1	ganic Com	pounds (Continued)
VEL Sample #			
Sample ID	in the second	an (shi kan interski) i kan bi sha i bi sha i bi shi ni sha ni shi	אוויאס אווי
Units		Limts	
1,2-Dichloropropane	ND	0.005	
Dibromomethane	ND	0.005	
Bromodichloromethane	ND	0.005	
cis-1,3-Dichloropropene	ND	0.005	
Toluene	ND	0.005	
trans-1,3-Dichloropropene	ND	0.005	
1,1,2-Trichloroethane	ND	0.005	
1,3-Dichloropropane	ND	0.005	
Dibromochloromethane	ND	0.005	
Tetrachloroethylene	ND	0.005	
1,2-Dibromoethane	ND	0.005	
Chlorobenzene	ND	0.001	
1,1,1,2-Tetrachloroethane	ND	0.005	
Ethylbenzene	ND	0.005	
m,p-Xylene	ND	0.005	
Styrene	ND	0.005	
o-Xylene	ND	0.005	
Bromoform	ND	0.005	
1,1,2,2-Tetrachloroethane	ND	0.005	
1,2,3-Trichloropropane	ND	0.005	
Bromobenzene	ND	0.005	
n-Propylbenzene	ND	0.005	
2-Chlorotoluene	ND	0.005	
4-Chlorotoluene	ND	0.005	
1,3,5-Trimethylbenzene	ND	0.005	
tert-Butylbenzene	ND	0.005	
1,2,4-Trimethylbenzene	ND	0.005	
sec-Butylbenzene	ND	0.005	
1,3-Dichlorobenzene	ND	0.005	
1,4-Dichlorobenzene	ND	0.005	
4-Isopropyltoluene	ND	0.005	
1,2-Dichlorobenzene	ND	0.005	
n-Butylbenzene	ND	0.005	
1,2-Dibromo-3-chloropropane	ND	0.005	
1,2,4-Trichlorobenzene	ND	0.005	
Naphthalene	ND	0.005	
Date Analyzed:	7/17/2014		
Analyst:	125		
			Page 2 of 3
			Page 2 of 3

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile O	rganic Coi	npounds (Co	ntinued)	
VEL Sample #					
Sample ID	UST2-11	al den and bring bringer (den set i bringer) den anne an		an manga san ang ang ang ang ang ang ang ang ang a	а (1996) на (1996) (1997) (1997) на брат на селото
Units		Limits			
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.005			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	0.00567	0.005			
Date Analyzed:	7/17/2014				
Analyst:	125				
				1	
			Page 3 of 3		

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

	Date Collecte	d: 07/08/14						· · · · · · · · · · · · · · · · · · ·				
	Lab/Sample N	o: 227-70822			C	ounty:	YAKIMA					
	Sample Location	n: UST2-11										
					Date Re	ceived:	07/08/14					
					Date Rep	oorted:	07/29/14					
			·	Samp	le Collect	-						
Send	Report To:				LE COMM	=	Matri	x: Soil				
	PLSA Engineering											
	Attn: Scott Garland											
	1120 West Lincoln Aven	ue										
	Yakima, WA 98902											
								·				
	Polynuclear Aromatic Hy			BADY	700	DECT						
JOUH	Analytes	Results ND	Units	0.01	Trigger	MCL	Method EPA 8270D	Analyzed	÷			
	Acenaphthylene	$-\frac{\mathbf{ND}}{\mathbf{ND}}$	mg/kg	0.01				07/17/14	125			
	Anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
	Benzo(a)anthracene	ND ND	mg/kg mg/kg	0.01	,		EPA 8270D	07/17/14	125			
	Benzo(a)pyrene	ND	mg/kg	0.01		+	EPA 8270D	07/17/14	125 125			
— · —	Benzo(b)fluoranthene		mg/kg	0.01			EPA 8270D	07/17/14				
	Benzo(ghi)perylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
	Benzo(k)fluoranthene	ND	mg/kg	0.01	· ~	<u> </u>	EPA 8270D EPA 8270D	07/17/14	125 125			
	Chrysene	ND	mg/kg	0.01			EPA 8270D EPA 8270D	07/17/14	125			
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01			EPA 8270D EPA 8270D	07/17/14	125			
	Fluoranthene	ND ND	mg/kg	$\frac{0.01}{0.01}$			EPA 8270D EPA 8270D	07/17/14	125			
	Fluorene	ND	mg/kg	0.01			EPA 8270D EPA 8270D	07/17/14	125			
1	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01		<u> </u>	EPA 8270D EPA 8270D	07/17/14	125			
	Naphthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
	Phenanthrene	ND ND	mg/kg	0.01				07/17/14	125			
	Pyrene	ND	mg/kg	0.01			EPA 8270D EPA 8270D	07/17/14	125			
	2-Methylnapthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125			
			mg/xg	0.01				0//1//14	123			
	Surrogate Std:								· ·			
	Terphenyl-d14	94.0	%	18-137			EPA 8270D	07/17/14	125			
-												

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068 0822-8270 pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

	Date Collected	l: 07/08/14		CB.8 (S		·						
	Lab/Sample No	. 227-70877				auntu	YAKIMA					
	Sample Location					ounty.						
euse)	F			Date Received: 07/08/14								
n soit Se W				Date Reported: 07/29/14								
inenan La se				Sample Collected By: SDG								
end	Report To:			SAMPI	E COMM	ENTS	Matri	x: Soil				
	PLSA Engineering											
	Attn: Scott Garland											
	1120 West Lincoln Avenu	ie										
	Yakima, WA 98902											
	PCB's (Soil)											
OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy			
	Aroclor 1016	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1221	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1232	ND	mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1242		mg/kg	0.1			EPA 8082	07/22/14	125			
	Aroclor 1248	ND	mg/kg	0.1		ļ	EPA 8082	07/22/14	125			
	Aroclor 1254 Aroclor 1260	ND	mg/kg	0.1		·-	EPA 8082	07/22/14	125			
	PCB 8082 (total)	ND ND	mg/kg	0.1			EPA 8082	07/22/14	125			
			mg/kg	0.1			EPA 8082	07/22/14	125			
	Surrogate Std:		· . <u> </u>			<u> </u>						
	DCB	85.3	%	30-130			EPA 8082	07/22/14	125			
	· · · · · · · · · · · · · · · · · · ·			ļļ								
· · ·	· · · · ·											
			·									
	· · · · · · · · · · · · · · · · · · ·											
				· · · · ·								
	· · · · · · ·			-		 						
	MRL (Method Reporting Level): Indi Trigger: DOH Drinking Water response MCL (maximum contaminant level): F ND (Not Detected): Indicates this comp	level. Public System lighest level recomm	ms in excess of nended by the f	this level mu ederal govern I at a level gro	st take addition ment for public	al samples water sys	s. Recommended rang tems.					

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70822-pcbs

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

		num, Ci		ш, тчска	., Z .III						
Date Colle	ected: 07/08/14										
	le No: 227-70822		County: YAKIMA								
Sample Loca	ation: UST2-11										
				Date Re	ceived	: 07/08/14					
				Date Rep	orted	07/29/14					
			Sam	ole Collect	ted By:	: SDG					
Send Report To:		-	SAMPI	LE COMM	IENTS	Matri	x: Soil				
PLSA Engineering											
Attn: Scott Garland											
1120 West Lincoln Av	venue										
Yakima, WA 98902											
Cadmium, Chromiun	n, Nickel, Zinc		•								
DOH#Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys			
Cadmium	ND	mg/kg	0.535			EPA 6020A	07/23/14	125			
Chromium	21.0	mg/kg	0.535			EPA 6020A	07/23/14	125			
Nickel	16.1	mg/kg	0.535			EPA 6020A	07/23/14	125			
Zinc	52.6	mg/kg	0.535			EPA 6020A	07/23/14	125			
								<u> </u>			
MRL (Method Reporting Level): Trigger: DOH Drinking Water res MCL (maximum contaminant lev	ponse level. Public System	ns in excess of t	his level mus	t take additiona	l samples.	Recommended range	on packages.				
ND (Not Detected): Indicates this											
			Ар	proved By:				_			

70822-cdcrni

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210

Batch #: 140714014

Project Name: VOC / METALS / PAH / PCB

Attn:

.

YAKIMA, WA 98901 DARA OSBORNE

Analytical Results Report

Sample Number Client Sample ID	140714014-010 70822 ⁵	Sampling Date Sampling Time	7/8/2014 11:07 AM	Date/Time Received	7/ 11/2 014	11:20 AM
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT		

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address:

15 W. YAKIMA AVE STE210 **YAKIMA, WA 98901**

Batch #: 140714014

Project Name: VOC / METALS / PAH / PCB

Attn:

DARA OSBORNE

Analytical Results Report

Sample Number Client Sample ID	140714014-010 70822	Sampling Date Sampling Time	7/8/2014 11:07 AM	Date/Time Received	7/11/2014	11:20 AM	-
Matrix	Soil	Sample Location					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:/D00013; AZ:0701; CO:/D00013; FL(NELAP):E87883; ID:/D00013; MT:CERT0028; NM: ID00013; OR:/D200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRON 15 W. YAKIMA AV YAKIMA, WA 9890	E STE210	AB	Batch #: Project Name:			140714014 VOC / METALS / PAH / PCI			
Attn:	DARA OSBORNE	Ar	nalytical I	Result	s Renorf					
Sample Number Client Sample ID Matrix Comments	140714014-010 70822 Soil		Sampling D Sampling Ti Sample Loc	ate ime		ate/Time Rec	eived 7/11/2014	11:20 AM		
Parameter		Result	Units	PQL	Analysis Dat	e Analyst	Method	Qualifie		
tert-Butylbenz	ene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	-		
Tetrachloroet	nene	0.00567	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
trans-1,2-Dich	loroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
trans-1,3-Dich	loropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
Trichloroether	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
Trichloroflourd	omethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
Vinyl Chloride		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B			
%moisture		3.9	Percent		7/17/2014	SAT	%moisture			
			Surroga	ate Dat	a					
mple Number	140714014-010									
Surrogate S			Method		Perc	cent Recover	Control Limits			
1,2-Dichlorol			EPA 826			88.4	70-130			
4-Bromofluor Toluene-d8	robenzene		EPA 826 EPA 826			95.6 99.6	70-130 70-130			

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:(D200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address: Attn:							0714014 DC / METALS / PAH / PCB		
		An	alytical R	esult	s Report				
Sample Number	140714014-010		Sampling D		7/8/2014	Date/Time Rece	ived 7/11/2014	11:20 AM	
Client Sample ID	70822		Sampling Ti		11:07 AM	Extraction Date	7/17/2014		
Matrix Comments	Soil		Sample Loc	ation					
Parameter		Result	Units	PQL	Analysis [Date Analyst	Method	Qualifie	
2-Methylnaph	thalene	ND	mg/Kg	0.01	7/17/201	14 EMP	EPA 8270D		
Acenaphthene	e	ND	mg/Kg	0.01	7/17/20*	4 EMP	EPA 8270D		
Acenaphthyle	ne	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Anthracene		ND	mg/Kg	0.01	7/17/20 ⁻	I4 EMP	EPA 8270D		
Benzo(ghi)pei	rylene	ND	mg/Kg	0.01	7/17/201	I4 EMP	EPA 8270D		
Benzo[a]anthr	racene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Benzo[a]pyrer	ne	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Benzo[b]fluora	anthene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Benzo[k]fluora	anthene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Chrysene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Dibenz[a,h]an	thracene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Fluoranthene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Fluorene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Indeno[1,2,3-c	cd]pyrene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Naphthalene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Phenanthrene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
Pyrene		ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D		
%moisture		3.9	Percent		7/17/201	4 SAT	%moisture		
			Surrog	ate Da	ta				
mple Number	140714014-010			<u> </u>		- <u></u>	<u> </u>		
Surrogate S	itandard		Method		P	ercent Recovery	Control Limits		
Terphenyl-d1	14		EPA 827	0D		94.0	18-137		

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #:140714014Project Name:VOC / METALS / PAH / PCB

Analytical Results Report

Sample Number1407140Client Sample ID70822MatrixSoilComments	14-010	Sampling Da Sampling Ti Sample Loc	me		Date/Time Receiv Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM
Parameter	Result	Units	PQL	Analysis Da	ite Analyst	Method	Qualifie
Aroclor 1016 (PCB-1016)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1221 (PCB-1221)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1232 (PCB-1232)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1242 (PCB-1242)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1248 (PCB-1248)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1254 (PCB-1254)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1260 (PCB-1260)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
PCB 8082 (total)	ND	mg/kg	0.1	7/22/2014	SAT	EPA 8082	
%moisture	3.9	Percent		7/17/2014	SAT	%moisture	
		Surroga	ate Dat	a			
mple Number 14071401	4-010	· · · · · · · · · · · · · · · · · · ·		<u> </u>		· · · · · · · · ·	
Surrogate Standard		Method		Pe	rcent Recovery	Control L	imits
DCB		EPA 808	32	85.3		30-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200D01-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

	Date Colle	cted: 07/08/14			A 8200B						
	Lab/Sample	e No: 227-70823			C	ounty:	YAKIMA				
	Sample Loca	tion: UST1-2				-					
					Date Ree	ceived:	07/08/14				
				Date Reported: 07/29/14							
ne poses. Ne compos					ole Collect		SDG	· · · · ·			
	Report To:			SAMPI	LE COMM	ENTS	Matri	x: Soil			
	PLSA Engineering										
	Attn: Scott Garland										
	1120 West Lincoln Av	enue									
	Yakima, WA 98902										
	BTEX by EPA 8260B								····		
)OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys		
	Benzene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
	Toluene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
	Ethylbenzene	ND	ppm	0.005			EPA 8260B	07/17/14	125		
	Xylenes (m,p,o)	ND	ppm	0.005			EPA 8260B	07/17/14	125		
T N	ARL (Method Reporting Level): 'rigger: DOH Drinking Water resp ACL (maximum contaminant level): 'D (Not Detected): Indicates this c	onse level. Public Systen	ns in excess of ended by the fi	this level mu ederal govern	st take addition ment for public	al samples water sys	a. Recommended rang				
1	in (iver percent). Indicates has e	ompound was anaryzed a	nu not defectee		proved By:	ual to the f	VIRL OF SRL.				

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70823-btex

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: UST1-2	C345	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 11:42 AM Sampled By: SDG						
PLSA Engineering								
Attn: Scott Garland								
1120 West Lincoln Avenue					Invoice#			
Yakima, WA 98902								
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix: So	oil			
VEL Sample #	227-70823							
Sample ID	UST1-2							
Units	ppm	Limits						
Check Standards - Ave.Recovery:								
1,2-Dichlorobenzene-d4	88.40%	(70-130)						
4-Bromofluorobenzene	94.40%	(70-130)						
Toluene-d8	99.20%	(70-130)						
Dichlorodifluoromethane	ND	0.005						
Chloromethane	ND	0.005						
Vinyl chloride	ND	0.005						
Bromomethane	ND	0.005						
Chloroethane	ND	0.005						
Acetonc	ND	0.025						
Acrolein	ND	0.005						
1,1-Dichloroethylene	ND	0.005						
Methylene chloride	ND	0.025						
Acrylonitrile	ND	0.005						
trans-1,2-Dichloroethylene	ND	0.005						
1,1-Dichloroethane	ND	0.005						
Methyl ethyl ketone (MEK)	ND	0.025						
cis-1,2-Dichloroethylene	ND	0.005						
2,2-Dichloropropane	ND	0.005						
Chloroform	ND	0.005						
Bromochloromethanc	ND	0.005						
1,1,1-Trichloroethane	ND	0.005		1				
1,2-Dichloroethane	ND	0.005						
1,1-Dichloropropene	ND	0.005						
Carbon tetrachloride	ND	0.005						
Benzene	ND	0.005						
Trichloroethylene	ND	0.005						
Date Analyzed:	7/17/2014							
Analyst:	125							
ND = None Detected		Page 1 of 3						

15 W. Yakima Ave, Ste 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

(303) 373 - 3939 Fax: (309) 373		ganic Com	pounds (Continued)
VEL Sample #			
Sample ID	UST1-2		
Units	ppm	Limts	
1,2-Dichloropropane	ND	0.005	
Dibromomethane	ND	0.005	
Bromodichloromethane	ND	0.005	
cis-1,3-Dichloropropene	ND	0.005	
Toluene	ND	0.005	
trans-1,3-Dichloropropene	ND	0.005	
1,1,2-Trichloroethane	ND	0.005	
1,3-Dichloropropane	ND	0.005	
Dibromochloromethane	ND	0.005	
Tetrachloroethylene	ND	0.005	
1,2-Dibromoethane	ND	0.003	
Chlorobenzene	ND	0.005	
1,1,1,2-Tetrachloroethane	ND	0.005	
Ethylbenzene	ND	0.005	
m,p-Xylcne	ND	0.005	
Styrene	ND	0.005	
o-Xylene	ND	0.005	
Bromoform	ND	0.005	
1,1,2,2-Tetrachloroethane	ND	0.005	
1,2,3-Trichloropropane	ND	0.005	
Bromobenzene	ND	0.005	
n-Propylbenzene	ND	0.005	
2-Chlorotoluene	ND	0.005	
4-Chlorotoluene	ND	0.005	
1,3,5-Trimethylbenzene	ND	0.005	
tert-Butylbenzene	ND	0.005	
1,2,4-Trimethylbenzene	ND	0.005	
sec-Butylbenzene	ND	0.005	
1,3-Dichlorobenzene	ND	0.005	
1,4-Dichlorobenzenc	ND	0.005	
4-Isopropyltoluene	ND	0.005	
1,2-Dichlorobenzene	ND	0.005	
n-Butylbenzene	ND	0.005	
1,2-Dibromo-3-chloropropane	ND	0.005	
1,2,4-Trichlorobenzene	ND	0.005	
Naphthalene	ND	0.005	
Date Analyzed:	7/17/2014		
Analyst:	125		
			Page 2 of 3

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile O	rganic Con	apounds (Cont	inued)	——————————————————————————————————————
VEL Sample #					
Sample ID	UST1-2	**********************************	***		
Units	ppm	Limits		_	
1,1,1-Trichloroethane	ND	0.005			
1,1,2,2-Tetrachloroethane	ND	0.005			
1,1-Dichloroethene	ND	0.005			
1,2,3-Trichlorobenzene	ND	0.005			
1,2-Dichloroethane	ND	0.005			
2-hexanone	ND	0.025			
Bromoform	ND	0.005			
Carbon disulfide	ND	0.005			
Chlorobenzene	ND	0.005			
cis-1,2-dichloroethene	ND	0.005			
cis-1,3-Dichloropropene	ND	0.005			
Hexachlorobutadiene	ND	0.005			
Isopropylbenzene	ND	0.005			
Methyl Isobutyl ketone (MIBK)	ND	0.025			
methyl-t-butyl ether (MTBE)	ND	0.005			
p-siopropyltoluene	ND	0.005			
tert-Butylbenzene	ND	0.005			· .
trans-1,2-Dichloroethene	ND	0.005			
Trichlorofluoromethane	ND	0.005			
Tetrachloroethene	ND	0.005			
	20.				Ì
·					
Date Analyzed:	7/17/2014				
Analyst:	125				
			D 2 62		
		······	Page 3 of 3		

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

	Lab/Sample N Sample Locatio				C	ounty:	YAKIMA				
	Sumple Locato			Date Received: 07/08/14							
	· · · · · · · · · · ·						07/29/14				
	<u> </u>		- • •	Sam	le Collect						
nd Rep	oort To:		·		Е СОММ			x: Soil			
PL	SA Engineering				· · · · ·		· · · · · · · · · · · · · · · · · · ·				
Att	n: Scott Garland										
112	0 West Lincoln Aven	ue									
Yal	kima, WA 98902										
	ynuclear Aromatic H	vdrocarbons					<u></u>	<u> </u>			
H#Ana		Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy		
	naphthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	naphthylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Ant	nracene	ND	mg/kg	0.01		1	EPA 8270D	07/17/14	125		
Ben	zo(a)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Ben	zo(a)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Ben	zo(b)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Ben	zo(ghi)perylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Ben	zo(k)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Chry	vsene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Dibe	enzo(a,h)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Fluo	ranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Fluo	rene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	no(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	hthalene	ND	mg/kg	0.01		<u></u>	EPA 8270D	07/17/14	125		
	anthrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Pyre		ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
2-M	ethylnapthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
Surr	ogate Std:							- ·			
	henyl-d14	93.7	%	18-137			EPA 8270D	07/17/14	125		

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL of SRL.

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-306870823-8270pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

		· 1	CB.8 (8				<u></u>			
Date Colle	ected: 07/08/14				. <u></u>	· · · · · · · · · · · · · · · · · · ·				
Lab/Sampl	e No: 227-70823			C	ounty:	YAKIMA				
Sample Loca	tion: UST1-2									
				Date Re	ceived:	07/08/14				
			Date Reported: 07/29/14							
			Sam	le Collect	ed By:	SDG				
Send Report To:			SAMPI	E COMM	ENTS	Matri	x: Soil			
PLSA Engineering										
Attn: Scott Garland										
1120 West Lincoln Av	venue									
Yakima, WA 98902										
PCB's (Soil)						<u> </u>				
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy		
Aroclor 1016	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Aroclor 1221	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Aroclor 1232	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Aroclor 1242	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Aroclor 1248	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Aroclor 1254	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Aroclor 1260	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
PCB 8082 (total)	ND	mg/kg	0.1			EPA 8082	07/22/14	125		
Surrogate Std:						· ·		·		
DCB	55.8	%	30-130			EPA 8082	07/22/14	125		
			· · · · · · · · · · · · · · · · · · ·	·						
			· · ·							
				·····						
	·									
· · · ·			<u> </u>			<u></u>				
			<u> </u>					····		
···· · ·										
						·				
	····		-	·		<u> </u>				
MRL (Method Reporting Level)	Indicates the minimum r	enorting level :	equirod and a	htainad hy the	lahoratorra					
Trigger: DOH Drinking Water res					-	-				
MCL (maximum contaminant lev							e on packages.			
ND (Not Detected): Indicates this				-	-					
	composite nul usayizee e		a a a level gr	sater man or eq		VICE OF SILE.				
			Ар	proved By:						
						17				

70823-pcbs

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

	Date Collected	l: 07/08/14							
	Lab/Sample No	: 227-70823	}		C	ounty:	YAKIMA		
	Sample Location								
	······································				Date Re	ceived:	07/08/14		
					Date Rep	orted:	07/29/14		
				Samp	le Collect	ted By:	SDG		
Send	Report To:			SAMPI	LE COMM	ENTS	Matri	x: Soil	
	PLSA Engineering					·			
	Attn: Scott Garland								
	1120 West Lincoln Avenu	e							
	Yakima, WA 98902								
	Cadmium, Chromium, N	ckel, Zinc		<u></u>			·····	<u> </u>	
DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst
	Cadmium	ND	mg/kg	0.535			EPA 6020A	07/23/14	125
	Chromium	14.7	mg/kg	0.535			EPA 6020A	07/23/14	125
	Nickel	13.4	mg/kg	0.535			EPA 6020A	07/23/14	125
	Zinc	49.6	mg/kg	0.535			EPA 6020A	07/23/14	125
						ļ			
		<u></u> -							
									· · ·
		-							
	····								
							c 		
	· · ·								
			·			ļ			
							l		
	MRL (Method Reporting Level): Indic	ateo the minimum	onorting lavel	uirod and -1	atningd hur the 1				
1	Frigger: DOH Drinking Water response MCL (maximum contaminant level): H ND (Not Detected): Indicates this compo	level. Public Syste ghest level recomm	ms in excess of the nended by the fea	nis level mus leral governr ut a level grea	t take additionation	l samples. water syste	Recommended range	on packages.	

70823-cdcrni

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

Batch #: 14 Project Name: VC

140714014 VOC / METALS / PAH / PCB

Attn:

YAKIMA, WA 98901 DARA OSBORNE

Analytical Results Report

Sample Number Client Sample ID	140714014-011 70823	Sampling Date Sampling Time	7/8/2014 11:42 AM	Date/Time Received	7/11/2014	11:20 AM
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
sopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Viethylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
nethyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
I-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
ec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
tyrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C586; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		
		· · · ·	

Analytical Results Report

mple Number ient Sample ID atrix omments	140714014-011 70823 Soil		Sampling D Sampling T Sample Loc	ime	7/8/2014 [11:42 AM	Date/Time Recei	ved 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Da	te Analyst	Method	Qualifier
tert-Butylbenze	ne	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Tetrachloroethe	ene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Toluene		ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,2-Dichle	proethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
trans-1,3-Dichk	propropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

0.005

0.005

7/17/2014

7/17/2014

SAT

SAT

EPA 8260B

EPA 8260B

mg/kg

mg/kg

ND

ND

Vinyl Chloride %moisture	ND 1.9	mg/kg C Percent		2014 SAT 2014 SAT	EPA 8260B %moisture
		Surrogate	Data		
Sample Number 140714014-011				<u></u>	
Surrogate Standard		Method		Percent Recover	y Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	ł	88.4	70-130
4-Bromofluorobenzene		EPA 8260B	1	94.4	70-130
Toluene-d8		EPA 8260B		99.2	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: (D00013; OR:ID200001-002; WA:C595) Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Trichloroethene

Trichloroflouromethane

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRON	MENTAL L	AB		Batch #	Batch #: 140714014						
Address:	15 W. YAKIMA AVI	E STE210			Project Name: VOC / METALS / PAH / F							
	YAKIMA, WA 9890	1										
Attn:	DARA OSBORNE											
		An	alytical R	lesult	s Report							
Sample Number	140714014-011		Sampling D	ate	7/8/2014	Date/Time Recei	ived 7/11/2014	11:20 AM				
Client Sample ID 70823			Sampling Ti	me	11:42 AM	Extraction Date	7/17/2014					
Matrix	Soil		Sample Loc	ation								
Comments												
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifi				
2-Methylnaph	thalene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D					
Acenaphthene	e	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D					
Acenaphthyle	ne	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D					
Anthracene		ND	mg/Kg	0.01	7/17/2014	4 EMP	EPA 8270D					
Benzo(ghi)per	rylene	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D					
Benzo[a]anthr	racene	ND	mg/Kg	0.01	7/17/2014	4 EMP	EPA 8270D					
Benzo[a]pyrer	1e	ND	mg/Kg	0.01	7/17/201	4 EMP	EPA 8270D					
Benzo[b]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	4 EMP	EPA 8270D					
Benzo[k]fluora	anthene	ND	mg/Kg	0.01	7/17/2014	4 EMP	EPA 8270D					
Chrysene		ND	mg/Kg	0.01	7/17/2014	4 EMP	EPA 8270D					
Dibenz[a,h]an	thracene	ND	mg/Kg	0.01	7/17/2014	4 EMP	EPA 8270D					
Fluoranthene		ND	mg/Kg	0.01	7/17/2014	1 EMP	EPA 8270D					
Fluorene		ND	mg/Kg	0.01	7/17/2014	¥ EMP	EPA 8270D					
Indeno[1,2,3-c	d]pyrene	ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D					
Naphthalene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D					
Phenanthrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D					
Pyrene		ND	mg/Kg	0.01	7/17/2014	EMP	EPA 8270D					
%moisture		1.9	Percent		7/17/2014	SAT	%moisture					
			Surrog	ate Da	ta							
nple Number	140714014-011				- 1		• • • • • • • • • • • • • • • • • • •					
Surrogate S	tandard		Method		Pe	rcent Recovery	Control Li	imits				
Terphenyl-d1	4		EPA 827	'OD		93,7	18-13					

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87883; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 140714014 Project Name: VOC / METALS / PAH / PCB

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-011 70823 Soil		Sampling Da Sampling Ti Sample Loca	ne		Date/Time Receiv Extraction Date	ed 7/11/2014 7/18/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Da	ite Analyst	Method	Qualifier
Aroclor 1016 (P	CB-1016)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Arocior 1221 (P	CB-1221)	ND	mg/Kg	0.1	7/22/2014		EPA 8082	
Aroclor 1232 (P	CB-1232)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1242 (P	CB-1242)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1248 (P	CB-1248)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Arocior 1254 (P	CB-1254)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
Aroclor 1260 (P	CB-1260)	ND	mg/Kg	0.1	7/22/2014	SAT	EPA 8082	
PCB 8082 (total	I)	ND	mg/kg	0.1	7/22/2014	SAT	EPA 8082	
%moisture		1.9	Percent		7/17/2014	SAT	%moisture	
			Surroga	ite Dat	ta			
mple Number	140714014-011				·			
Surrogate Sta	andard		Method		Per	cent Recovery	Control L	imits
DCB			EPA 808	2		55.8	30-13	0

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

BTEX by EPA 8260B

	Lab/Sample	No: 227-70824			C	ounty	: YAKIMA		
201310	Sample Locati	ion: UST1-10	· · · · · · · · · · · · · · · · · · ·		····		····		
							: 07/08/14		
		· · · · · · · · · · · · · · · · · · ·					: 07/29/14		<u> </u>
nd Report	Tat			Sample Collected By: SDG SAMPLE COMMENTS Matrix; Soil					
	Ingineering	· · · · · · · · · · · · · · · · · · ·		SAMPI		LNIS	Matri	x: Soll	
	cott Garland								
	est Lincoln Ave	nue							
	, WA 98902	nuc							
	by EPA 8260B	<u></u>		<u> </u>		···		······	
H# Analytes		Results	Units	MRL	Trigger	MCL	Method	Analyzed	Anal
Benzene		ND	ppm	0.005			EPA 8260B	07/17/14	125
Toluene		ND	ppm	0.005			EPA 8260B	07/17/14	125
Ethylben		ND	ppm	0.005			EPA 8260B	07/17/14	125
Xylenes	(m,p,o)	ND	ppm	0.005			EPA 8260B	07/17/14	125
							·		
						<u> </u>			Ļ
					·		· · · · · · · · · · · · · · · · · · ·		
		· · · · · · · · · · · · · · · · · · ·							Ì
		·		·			·		
						<u> </u> 			-
						÷	·		
						· · · ·	· · · · · ·		
					·				
							· · · · · · ·		
	× +			ļ					
								· 	
				<u> </u>					
<u></u>	od Reporting Level): In			<u> </u>		<u> </u>			<u>i</u>

ļ

70824-btex

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory 15 W. Yakima Ave, Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab #4 Sampled At: UST1-10	C345	Date Reported: 07/29/14 Date Collected: 07/08/14 Time Collected: 11:31 AM Sampled By: SDG				
PLSA Engineering			Sumplea Dyr	520		
Attn: Scott Garland						
1120 West Lincoln Avenue					T	
Yakima, WA 98902					Invoice#	
Volatile Organic Chemicals		Nf-41-1	EDA 80C0D		27700	
	227 70924	Method	: EPA 8260B	Matrix: S	011	
VEL Sample #	227-70824	ana iku arin masi dan kuri kuri kuri dulaku da 1995). An me			-Unad heranovska in a heranovska a star	
Sample ID	UST1-10					
Units	ppm	Limits				
Check Standards - Ave.Recovery:						
1,2-Dichlorobenzene-d4	88.80%	(70-130)				
4-Bromofluorobenzene	94.40%	(70-130)				
Toluene-d8	98.40%	(70-130)				
Dichlorodifluoromethane	ND	0.005				
Chloromethane	ND	0.005				
Vinyl chloride	ND	0.005				
Bromomethane	ND	0.005				
Chloroethane	ND	0.005				
Acetone	ND	0.025				
Acrolein	ND	0.005			:	
1,1-Dichloroethylene	ND	0.005				
Methylene chloride	ND	0.025				
Acrylonitrile	ND	0.005				
trans-1,2-Dichloroethylene	ND	0.005				
1,1-Dichloroethane	ND	0.005				
Methyl ethyl ketone (MEK)	ND	0.025				
cis-1,2-Dichloroethylene	ND	0.005				
2,2-Dichloropropane	ND	0.005				
Chloroform	ND	0.005				
Bromochloromethane	ND	0.005				
1,1,1-Trichloroethane	ND	0.005				
1,2-Dichloroethane	ND	0.005	 •			
1,1-Dichloropropene	ND	0.005				
Carbon tetrachloride	ND	0.005				
Benzene	ND	0.005				
Trichloroethylene	ND	0.005		1		
Date Analyzed:	7/17/2014					
Analyst:	125					

ND = None Detected

Page 1 of 3

.

15 W. Yakima Ave, Ste 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile Or	ganic Com	pounds (Continued)
VEL Sample #			
Sample ID		איז	
Units	ppm	Limts	
1,2-Dichloropropane	ND	0.005	
Dibromomethane	ND	0.005	
Bromodichloromethane	ND	0.005	
cis-1,3-Dichloropropene	ND	0.005	
Toluene	ND	0.005	
trans-1,3-Dichloropropene	ND	0.005	
1,1,2-Trichloroethane	ND	0.005	
1,3-Dichloropropane	ND	0.005	
Dibromochloromethane	ND	0.005	
Tetrachloroethylene	ND	0.005	
1,2-Dibromoethane	ND	0.001	
Chlorobenzene	ND	0.001	
1,1,1,2-Tetrachloroethane	ND	0.005	
Ethylbenzene	ND	0.005	
m,p-Xylene	ND	0.005	
Styrene	ND	0.005	
o-Xylene	ND	0.005	
Bromoform	ND	0.005	
1,1,2,2-Tetrachloroethane	ND	0.005	
1,2,3-Trichloropropane	ND	0.005	
Bromobenzene	ND	0.005	
n-Propylbenzene	ND	0.005	
2-Chlorotoluene	ND	0.005	
4-Chlorotoluene	ND	0.005	
1,3,5-Trimethylbenzene	ND	0.005	
tert-Butylbenzene	ND	0.005	
1,2,4-Trimethylbenzene	ND	0.005	
sec-Butylbenzene	ND	0.005	
1,3-Dichlorobenzene	ND	0.005	
1,4-Dichlorobenzene	ND	0.005	
4-Isopropyltoluene	ND	0.005	
1,2-Dichlorobenzene	ND	0.005	
n-Butylbenzene	ND	0.005	
1,2-Dibromo-3-chloropropane	ND	0.005	
1,2,4-Trichlorobenzene	ND	0.005	
Naphthalene	ND	0.005	
Date Analyzed:	7/17/2014		
Analyst:	125		
	<u> </u>		Page 2 of 3

Washington State Certified Lab #227 - DOE Accredited Lab C345

Polynuclear Aromatic Hydrocarbons

							·				
	Lab/Sample N				C	ounty:	YAKIMA				
	Sample Locatio	n: UST1-10									
					Date Re	ceived:	07/08/14				
-Canine					· · · · · · · · · · · · · · · · · · ·		07/29/14				
				Sample Collected By: SDGSAMPLE COMMENTSMatrix: Soil							
Send	Report To:		····								
	PLSA Engineering										
	Attn: Scott Garland										
	1120 West Lincoln Aven	ue									
	Yakima, WA 98902										
	Polynuclear Aromatic Hy	vdrocarbons		·····		· · · · · · · · · · · · · · · · · · ·		<u></u>			
DOH	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys		
	Acenaphthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Acenaphthylene	ND	mg/kg	0.01		-	EPA 8270D	07/17/14	125		
	Anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(a)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(a)pyrene	ND	mg/kg	0.01		+ 	EPA 8270D	07/17/14	125		
	Benzo(b)fluoranthene	ND	mg/kg	0.01	<u></u>		EPA 8270D	07/17/14	125		
	Benzo(ghi)perylene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Benzo(k)fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Chrysene	ND	mg/kg	0.01	·		EPA 8270D	07/17/14	125		
	Dibenzo(a,h)anthracene	ND	mg/kg	0.01			EPA 8270D	07/17/14	1 25		
	Fluoranthene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Fluorene	ND	mg/kg	0.01		_	EPA 8270D	07/17/14	125		
	Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Naphthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Phenanthrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	Pyrene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
	2-Methylnapthalene	ND	mg/kg	0.01			EPA 8270D	07/17/14	125		
			·	1							
·	Surrogate Std:										
	Terphenyl-d14	92.4	%	18-137			EPA 8270D	07/17/14	125		
	· · · · · · · · · · · · · · · · · · ·			1							
								1			

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By:

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068 70824 -8270 pah

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Soil)

Date Colle	cted: 07/08/14)		· · · · · · · · · · · · · · · · · · ·			
	e No: 227-70824			C	ounty:	YAKIMA	· · · · · · · · · · · · · · · · · · ·		
Sample Loca	ition: UST1-10		Date Received: 07/08/14 Date Reported: 07/29/14						
			Same						
Send Report To:			The second s	e Collect	-				
PLSA Engineering		··· · · ·	SAMITI		LEIN IS	Matri	x: Soil		
Attn: Scott Garland									
1120 West Lincoln Ay	20 3 11.0								
	enue								
Yakima, WA 98902				<u> </u>					
PCB's (Soil)			1.2.5.7.1					<u></u>	
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed		
Aroclor 1016	ND	mg/kg	0.1		-	EPA 8082	07/22/14	125	
Aroclor 1221 Aroclor 1232	ND	mg/kg	0.1		+ •	PA 8082	07/22/14	125	
Aroclor 1232 Aroclor 1242	ND ND	mg/kg	$\frac{0.1}{0.1}$			EPA 8082	07/22/14	125	
Aroclor 1242	ND	mg/kg	0.1		-	PA 8082	07/22/14	125	
Aroclor 1248	ND ND	mg/kg	0.1			PA 8082	07/22/14	125	
Aroclor 1254		mg/kg	0.1		+	PA 8082	07/22/14	125	
PCB 8082 (total)	ND ND	mg/kg	0.1		+	PA 8082	07/22/14	125	
		mg/kg	0.1		E	PA 8082	07/22/14	125	
Surrogate Std:			·	<u> </u>					
DCB	85.9	%	30-130			PA 8082	07/22/14	105	
	0.5.7		30-130	·		PA 8082	07/22/14	125	
·· ······				·	· · · · · · · · · · · · · · · · · · ·			<u> </u>	
		- *		·			·		
· · · · · · · · · · · · · · · · · · ·									
			·		·			• <u>-</u>	
				·.					
					·			•	
MRL (Method Reporting Level):	Indicates the minimum r	eporting level i	required and o	btained by the	laboratory (N	1DL <mrl<srl).< td=""><td></td><td><u></u></td></mrl<srl).<>		<u></u>	
Trigger: DOH Drinking Water res	ponse level. Public System	ns in excess of	this level mus	st take addition	al samples. F	Recommended rang	ge on packages.		
MCL (maximum contaminant lev	el): Highest level recomm	nended by the f	ederal govern	ment for public	water system	ns.			
ND (Not Detected): Indicates this	compound was analyzed a	nd not detected	l at a level gre	ater than or eq	ual to the MF	RL or SRL.			
			An	proved By:		1/			
			<u></u>	noveu by:					

Į

70824-pcbs

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Collect	ted: 07/08/14									
Lab/Sample	No: 227-70824			C	ounty	YAKIMA				
Sample Locati	on: UST1-10									
			Date Received: 07/08/14							
			Date Reported: 07/29/14							
			Samp	ole Collect	ted By:	SDG				
Send Report To:			SAMPI	LE COMM	IENTS	Matri	x: Soil			
PLSA Engineering										
Attn: Scott Garland										
1120 West Lincoln Ave	nue									
Yakima, WA 98902										
Cadmium, Chromium,	Nickel, Zinc					•				
DOH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst		
Cadmium	ND	mg/kg	0.535			EPA 6020A	07/23/14	125		
Chromium	17.5	mg/kg	0.535			EPA 6020A	07/23/14	125		
Nickel	14.2	mg/kg	0.535			EPA 6020A	07/23/14	125		
Zinc	45.4	mg/kg	0.535			EPA 6020A	07/23/14	125		
···· •										
		· · · ·		• ·						
								·		
				<u> </u>		· · · · · · · · · · · · · · · · · · ·				
				.		<u>-</u>				
			-							
MRL (Method Reporting Level): In Trigger: DOH Drinking Water respor MCL (maximum contaminant level): ND (Not Detected): Indicates this con	se level. Public System Highest level recomm	ns in excess of the feet	his level mus leral governn	t take additiona	l samples. vater syste	Recommended range	on packages.			
			A	proved By:						

Approved By:

70824-cdcrni

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		
	A sealed a star		

Analytical Results Report

Sample Number	140714014-012	Sampling Date	7/8/2014	Date/Time Received	7/11/2014	11:20 AM
Client Sample ID	70824	Sampling Time	11:31 AM			
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(D8CP)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.001	7/17/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
2-hexanone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
4-Chiorotoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Acetone	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Benzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099 / PCB

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

 Batch #:
 140714014

 Project Name:
 VOC / MET.

VOC / METALS / PAH / PCB

Attn:

YAKIMA, WA 98901 DARA OSBORNE

Analytical Results Report

Sample Number Client Sample ID	140714014-012 70824	Sampling Date Sampling Time	7/8/2014 11:31 AM	Date/Time Received	7/11/2014	11:20 AM
Matrix	Soil	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromoform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Bromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloroform	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Chloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dibromomethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
Methylene chloride	ND	mg/kg	0.025	7/17/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Naphthalene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
1-Propylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
o-Xylene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
-isopropyltoluene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
ec-Butylbenzene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	
Styrene	ND	mg/kg	0.005	7/17/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; iD:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

tert-Butylbenzene ND mg/kg 0.005 7/17/2014 SA Tetrachloroethene ND mg/kg 0.005 7/17/2014 SA Toluene ND mg/kg 0.005 7/17/2014 SA trans-1,2-Dichloroethene ND mg/kg 0.005 7/17/2014 SA	nalyst Metho SAT EPA 826	• • • • • • •
Tetrachloroethene ND mg/kg 0.005 7/17/2014 SA Toluene ND mg/kg 0.005 7/17/2014 SA trans-1,2-Dichloroethene ND mg/kg 0.005 7/17/2014 SA	SAT EDA 826	200
Toluene ND mg/kg 0.005 7/17/2014 SA trans-1,2-Dichloroethene ND mg/kg 0.005 7/17/2014 SA		one
trans-1,2-Dichloroethene ND mg/kg 0.005 7/17/2014 SA	SAT EPA 826	30B
	SAT EPA 826	60B
	SAT EPA 826	50B
trans-1,3-Dichloropropene ND mg/kg 0.005 7/17/2014 SA	SAT EPA 826	50B
Trichloroethene ND mg/kg 0.005 7/17/2014 SA	SAT EPA 826	30B
Trichloroflouromethane ND mg/kg 0.005 7/17/2014 SA	SAT EPA 826	30B
Vinyl Chloride ND mg/kg 0.005 7/17/2014 SA	SAT EPA 826	50B

Surrogate Data

7/17/2014

SAT

%moisture

Percent

ample Number	140714014-012			
Surrogate	Standard	Method	Percent Recovery	Control Limits
1,2-Dichlor	obenzene-d4	EPA 8260B	88.8	70-130
4-Bromoflu	orobenzene	EPA 8260B	94.4	70-130
Toluene-d8	3	EPA 8260B	98.4	70-130

Authorized Signature

%moisture

5.2

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs JD: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-802; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address: Attn:	VALLEY ENVIRONM 15 W. YAKIMA AVE YAKIMA, WA 98901 DARA OSBORNE	STE210	AB alytical R	esult	Batch # Project s Report	-		'14014 / METALS / P	11:20 AM
Sample Number Client Sample ID Matrix Comments	140714014-012 70824 Soil		Sampling Da Sampling Ti Sample Loca	me	7/8/2014 11:31 AM		Time Receiv	/ed 7/11/2014 7/17/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis E	ate	Analyst	Method	Qualifier
2-Methylnaph	thalene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Acenaphthen	e	NÐ	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Acenaphthyle	ne	ND	mg/Kg	0.01	7/17/20 1	4	EMP	EPA 8270D	
Anthracene		ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Benzo(ghi)pe	rylene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Benzo[a]anth	racene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Benzo[a]pyrei	ne	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Benzo[b]fluora	anthene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Benzo[k]fluora	anthene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Chrysene		ND	mg/K g	0.01	7/17/201	4	EMP	EPA 8270D	
Dibenz[a,h]an	thracene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Fluoranthene		ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Fluorene		ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Indeno[1,2,3-0	cd]pyrene	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Naphthalene		ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Phenanthrene	•	ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
Pyrene		ND	mg/Kg	0.01	7/17/201	4	EMP	EPA 8270D	
%moisture		5.2	Percent		7/17/201	4	SAT	%moisture	

Surrogate Data

Sample Number	140714014-012				
Surrogate Standard		Method	Percent Recovery	Control Limits	
Terphenyl-d14		EPA 8270D	92.4	18-137	

Authorized Signature

ohn. Conthe

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C586; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 140714014 Project Name: VOC / METALS / PAH / PCB

85.9

Analytical Results Report

Sample Number 140714014-012 Client Sample ID 70824 Matrix Soil Comments Parameter			Sampling Date Sampling Time Sample Location			Date/Time Receiv Extraction Date	ved 7/11/2014 7/18/2014	11:20 AM
		Result	Units	PQL	Analysis Da	ate Analyst	Method	Qualifier
Aroclor 1016 (PCB-1016)		ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1221 (PCB-1221)		ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1232 (PCB-1232)		ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1242 (PCB-1242)		ND	mg/Kg	0.1	7/22/2014	\$ SAT	EPA 8082	
Aroclor 1248 (PCB-1248)		ND	mg/Kg	0.1	7/22/2014	4 SAT	EPA 8082	
Aroclor 1254 (PCB-1254)		ND	mg/Kg	0.1	7/22/2014	1 SAT	EPA 8082	
Aroclor 1260 (F	PCB-1260)	ND	mg/Kg	0.1	7/22/2014	1 SAT	EPA 8082	
PCB 8082 (tota	al)	ND	mg/kg	0.1	7/22/2014	SAT	EPA 8082	
%moisture		5.2	Percent		7/17/2014	SAT	%moisture	
			Surroga	ite Da	ta			
nple Number	140714014-012			 .		<u>,</u>		
Surrogate Standard			Method		Pe	rcent Recovery	Control L	imits

EPA 8082

Authorized Signature

DCB

lohn. Coult

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

30-130

JUNE 2014 GROUNDWATER ANALYTICAL RESULTS

VALLEY Environmental Laboratory 15 W Yakima Ave Ste. 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: W1	C345	Date Reported: 07/15/14 Date Collected: 06/23/14 Time Collected: 2:22 PM Sampled By: Brad Card./Scott Garland					
PLSA Engineering			<u></u>				
Attn: Scott Garland							
1120 West Lincoln Avenue					Invoice#		
Yakima, WA 98902					27602		
Volatile Organic Chemicals	· · · · · · · · · · · · · · · · · · ·	Method	: EPA 8260B	Matrix:			
VEL Sample #	62315	. Informou					
-	140623-W1		алты шатарта такулы калана каларуу (т) (такула такана такулартан каларуу (т)		1977 - 277 A. D. M. B.		
Units	ug/L	Limits					
Check Standards - Ave.Recovery:	ugʻD	Linnits					
				· · · · · · · · · · · · · · · · · · ·			
1,2-Dichlorobenzene-d4	107.6%	(70-130)					
4-Bromofluorobenzene	100.4%	(70-130)					
Toluene-d8	101.2%	(70-130)					
Dichlorodifluoromethane	ND	0.50					
Chloromethane	ND	0.50					
Vinyl chloride	ND	0.50					
Bromomethane	ND	0.50					
Chloroethane	ND	0.50					
Acetone	ND	5.00					
Acrolein	ND	0.50					
1,1-Dichloroethylene	ND	0.50					
Methylene chloride	ND	5.00					
Acrylonitrile	ND	0.50					
trans-1,2-Dichloroethylene	ND	0.50					
1,1-Dichloroethane	ND	0.50					
Methyl ethyl ketone (MEK)	ND	5.00					
cis-1,2-Dichloroethylene	ND	0.50					
2,2-Dichloropropane	ND	0.50					
Chloroform	2.70	0.50					
Bromochloromethane	ND	0.50					
1,1,1-Trichloroethane	ND	0.50					
1,2-Dichloroethane	ND	0.50					
1,1-Dichloropropene	ND	0.50					
Carbon tetrachloride	ND	0.50					
Benzene	ND	0.50					
Trichloroethylene	ND	0.50					
Date Analyzed:	6/30/2014						
Analyst:	AAL						
ND = None Detected]	Page 1 of 3					

VALLEY Environmental Laboratory 15 W Yakima Ave Ste. 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile Organic Compounds (Continued)						
VEL Sample #							
Sample ID	140623-W1	01036360149)47(1)+37(1710810)8181818181818					
Units	ug/L	Limts					
1,2-Dichloropropane	ND	0.50					
Dibromomethane	ND	0.50					
Bromodichloromethane	ND	0.50					
cis-1,3-Dichloropropene	ND	0.50					
Toluene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
1,1,2-Trichloroethane	ND	0.50					
1,3-Dichloropropane	ND	0.50					
Dibromochloromethane	ND	0.50					
Tetrachloroethylene	1.02	0.50					
1,2-Dibromoethane	ND	0.50					
Chlorobenzene	ND	0.50					
1,1,1,2-Tetrachloroethane	ND	0.50					
Ethylbenzene	ND	0.50					
m,p-Xylene	ND	0.50					
Styrene	ND	0.50					
o-Xylene	ND	0.50					
Bromoform	ND	0.50					
1,1,2,2-Tetrachloroethane	ND	0.50					
1,2,3-Trichloropropane	ND	0.50					
Bromobenzene	ND	0.50					
n-Propylbenzene	ND	0.50					
2-Chlorotoluene	ND	0.50					
4-Chlorotoluene	ND	0.50					
1,3,5-Trimethylbenzene	ND	0.50					
tert-Butylbenzene	ND	0.50					
1,2,4-Trimethylbenzene	ND	0.50					
sec-Butylbenzene	ND	0.50					
1,3-Dichlorobenzene	ND	0.50					
1,4-Dichlorobenzene	ND	0.50					
4-Isopropyltoluene	ND	0.50					
1,2-Dichlorobenzene	ND	0.50					
n-Butylbenzene	ND	0.50					
1,2-Dibromo-3-chloropropane	ND	0.50					
1,2,4-Trichlorobenzene	ND	0.50					
Naphthalene	ND	0.50					
Date Analyzed:	6/30/2014						
Analyst:	AAL						
			Page 2 of 3				

VALLEY Environmental Laboratory 15 W Yakima Ave Ste. 210 Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068
--

	Volatile Organic Compounds (Continued)							
VEL Sample #	62315							
	140623-W1	nen o mana na anta a ser a	anan manan kanan kanan kanan manan (d) sa celakara jara sa kanan kasa	u meter presentation a conduction (million according to a manier or				
Units	ug/L	Limits						
1,1,1-Trichloroethane	ND	0.50						
1,1,2,2-Tetrachloroethane	ND	0.50						
1,1-Dichloroethene	ND	0.50						
1,2,3-Trichlorobenzene	ND	0.50						
1,2-Dichloroethane	ND	0.50						
2-hexanone	ND	0.50						
Bromoform	ND	0.50						
Carbon disulfide	ND	0.50						
Chlorobenzene	ND	0.50						
cis-1,2-dichloroethene	ND	0.50						
cis-1,3-Dichloropropene	ND	0.50						
Hexachlorobutadiene	ND	0.50						
Isopropylbenzene	ND	0.50						
Methyl Isobutyl ketone (MIBK)	ND	5.00						
methyl-t-butyl ether (MTBE)	ND	0.50						
p-siopropyltoluene	ND	0.50						
tert-Butylbenzene	ND	0.50						
trans-1,2-Dichloroethene	ND	0.50						
Trichlorofluoromethane	ND	0.50						
· · · · · · · · · · · · · · · · ·								
·								
	4							
					·			
	ļ							
					l I			
					Ì			
					1			
Date Analyzed:	6/30/2014							
Analyst:	AAL							
			Page 3 of 3	Q ~				

VALLEY Environmental Laboratory 15 W. Yakima Ave Ste 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Sampled A	At: W1	Date Reported: 07/15/14 Date Collected: 06/23/14 Time Collected: 2:22 PM Sampled By: Brad Card./Scott Garland					
PLSA Engineering							
Attn: Scott Garland							
1120 West Lincoln Avenue						Invoice#	
Yakima, WA 98902	<u> </u>					27607	
Priority pollutants-SOC's		(0015	Method	EPA 8270C	Matrix:	Water	
	VEL Sample #	62315					
	Sample ID	140623-W1					
Surrogate Standards		Results			·		
· 							
	w						
p-Terphenyl-d14		98%	10-125				
Acenaphthylene		ND@0.01	ug/L				
Acenaphthene		ND@0.01	ug/L				
Fluorene		ND@0.01	ug/L				
Phenanthrene		ND@0.01	ug/L				
Anthracene		ND@0.01	ug/L				
Fluoranthene		ND@0.01	ug/L				
Pyrene		ND@0.01	ug/L				
2-Methylphenol		ND@0.01	ug/L				
Benzo(a)anthracene		ND@0.01	ug/L			;	
Chrysene	- ·	ND@0.01	ug/L				
Benzo(b)fluoranthene		ND@0.01	ug/L				
Benzo(k)fluoranthene		ND@0.01	ug/L				
Benzo(a)pyrene		ND@0.01	ug/L				
Indeno(1,2,3-cd)pyrene		ND@0.01	ug/L				
Dibenzo(a,h)anthracene		ND@0.01	ug/L				
Benzo(ghi)perylene		ND@0.01	ug/L ug/L				
Naphthalene	·	ND@0.01	ug/L				
		115/0/0101	ug/L				
	·						
· . <u> </u>							
···							
••••••••••••••••••••••••••••••••••••••							
· · · · · · · · · · · · · · · · · · ·	Date Analyzed:	7/14/2014					
	Analyst:	125					
ND = None Detected	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	Page 1 of 1	<u> </u>			

62315-8270

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

IOC PP Metals

	Date Colle	ected: 06/23/14							- n	
		e No: 227-62315			C	ounty:	YAKIMA			
	Sample Loca	tion: W1						·		
	··· ···				Date Ree	ceived:	06/23/14			
					Date Rep	orted:	07/15/14			
	Send Report To: Sample Collected By: Brad Card./Scott Garl Send Report To: SAMPLE COMMENTS									
Send	Report To:			SAMPI	LE COMM	ENTS	Matri	x: Water		
	PLSA Engineering									
	Attn: Scott Garland									
	1120 West Lincoln Av	/enue								
	Yakima, WA 98902									
	IOC PP Metals			<u> </u>	<u> </u>			<u></u>		
)OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys	
9	Lead	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL	
24	Zinc	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL	
6	Cadmium	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL	
	Chromium	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL	
<u>11</u> 1 .	Nickel	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL	
1	MRL (Method Reporting Level): Frigger: DOH Drinking Water res MCL (maximum contaminant lev ND (Not Detected): Indicates this	ponse level. Public Syster el): Highest level recomm	ns in excess of lended by the fi	this level mu ederal govern l at a level gr	st take addition ment for public	al samples water sys	s. Recommended rang tems.			

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-30692315-ppmetals

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

	Date Collect	ed: 06/23/14									
		No: 227-62315			C	County:	YAKIMA				
Carlor I	Sample Location	·	_								
		· · ·	<u> </u>				06/23/14				
				Some		-	07/15/14		,		
end	Report To:			Sample Collected By: Brad Card./Scott Garland SAMPLE COMMENTS Matrix: Water							
	PLSA Engineering Attn: Scott Garland 1120 West Lincoln Aver Yakima, WA 98902	iue									
	PCB's Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analy		
	PCB's	ND	ug/L	0.1	Inggei	MICL	EPA 8082	07/09/14			
	· · · · · · · · · · · · · · · · · · ·										
					<u></u> _		· · · · · · · · · · · · · · · · · · ·				
				-			···· ·		<u> </u>		
						· ·					
			<u></u>								
	·				<u>.</u>		· · · · · · · · · · · · · · · · · · ·		i		
							· · · · · · · · · · · · · · · · · · ·		<u></u>		
	· 										
	·			<u> </u>	,						
					·						
	<u> </u>				·		·				
	·····	-		+ +							
				-			···· ·				
		4					·				
]											
<u> </u>											
ר א	WRL (Method Reporting Level): In Frigger: DOH Drinking Water respon MCL (maximum contaminant level): MD (Not Detected): Indicates this com	sc level. Public Syster Highest level recomm	ns in excess of tended by the f	this level mu	st take additior ment for public	al samples water sys	s. Recommended rang				

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

62315-pcbs

1282 Alturas Drive • Moscow, iD 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: Project Name:

140630030

MONITORING WELLS

Analytical Results Report

Sample Number 140630030-001 Client Sample ID 62315 Matrix Water Comments		Sampling Da Sampling Ti Sample Loc	me	6/23/2014 Date 2:22 PM	e/Time Recei	ved 6/26/2014	11:50 AM
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	ug/L.	0.5	6/30/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.01	6/30/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2-hexanone	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Acetone	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Acrylonitrile	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Benzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cen0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB

Address: 15

15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Batch #: Project Name:

140630030 MONITORING WELLS

Attn: DARA OSBORNE

Analytical Results Report

Sample Number	140630030-001	Sampling Date	6/23/2014	Date/Time Received	6/26/2014	11:50 AM
Client Sample ID	62315	Sampling Time	2:22 PM			
Matrix	Water	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	· ···
Bromodichloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromoform	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromomethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloroform	2.70	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	ug/L.	0.5	6/30/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dibromomethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Naphihalene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
p-isopropyltoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cen0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

YAKIMA, WA 98901

DARA OSBORNE

Batch #: 14063
Project Name: MON

140630030 MONITORING WELLS

Attn:

Analytical Results Report

ample Number 140630030-00 ⁻ lient Sample ID 62315 atrix Water omments			Sampling D. Sampling Ti Sample Loc	me	6/23/2014 Da 2:22 PM	ate/Time Rece	ived 6/26/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Styrene		ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
tert-Butylbenze	ne	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Tetrachloroethe	ene	1.02	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Toluene		ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
trans-1,2-Dichlo	proethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
trans-1,3-Dichlo	ropropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Trichlorcethene		ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Trichloroflouron	nethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

	Surrogate Data			
Sample Number 140630030-001		·	<u></u>	
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	107.6	70-130	
4-Bromofluorobenzene	EPA 8260B	100.4	70-130	
Toluene-d8	EPA 8260B	101.2	70-130	

Certifications held by Anatek Labs JD: EPA:JD00013; AZ:0701; CO:JD00013; FL(NELAP):E87693; JD:JD00013; MT:CERT0028; NM: JD00013; OR:JD200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; JD:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Attn: DARA OSBORNE

Batch #: 140
Project Name: MC

140630030 MONITORING WELLS

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-001 62315 Water	<u>, , , , , , , , , , , , , , , , , , , </u>	Sampling D Sampling Ti Sample Loc	ime	6/23/2014 2:22 PM		/Time Recei action Date	ived	6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	ſ	lethod	Qualifier
2-Methylnaphth	alene	ND	ug/L	0.01	7/14/2	014	EMP	EP	a 8270D	
Acenaphthene		ND	ug/L	0.01	7/14/2	014	EMP	EP	A 8270D	
Acenaphthylen	e	ND	ug/L	0.01	7/14/2	014	EMP	ĒΡ	A 8270D	
Anthracene		ND	ug/L	0.01	7/14/2	014	EMP	EP	A 8270D	
Benzo(ghi)pery	lene	ND	ug/L	0.01	7/14/2	014	EMP	EP	4 8270D	
Benzo[a]anthra	cene	ND	ug/L	0.01	7/14/2	D14	EMP	EP	4 8270D	
Benzo[a]pyrene)	ND	ug/L	0.01	7/14/20	014	EMP	EP/	4 8270D	
Benzo(b)fluoran	thene	ND	ug/L	0.01	7/14/2	014	EMP	EP	4 8270D	
Benzo[k]fluoran	thene	ND	ug/L	0.01	7/14/2	014	EMP	EP	A 8270D	
Chrysene		ND	ug/L	0.01	7/14/20	014	EMP	EP/	4 8270D	
Dibenz[a,h]anth	racene	ND	ug/L	0.01	7/14/20	014	EMP	EPA	A 8270D	
Fluoranthene		ND	ug/L	0.01	7/14/20)14	EMP	EPA	4 8270D	
Fluorene		ND	ug/L	0.01	7/14/20)14	EMP	EP#	\ 8270D	
Indeno[1,2,3-cd]]pyrene	ND	ug/L	0.01	7/14/20)14	EMP	EPA	A 8270D	
Naphthalene		ND	ug/L	0.01	7/14/2()14	EMP	EPA	8270D	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140630030
Address:	15 W. YAKIMA AVE STE210	Project Name:	MONITORING WELLS
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-001 62315 Water		Sampling D Sampling Ti Sample Loc	ime	6/23/2014 2:22 PM		/Time Receiv action Date	ved 6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifier
Phenanthrene		ND	ug/L	0.01	7/14/20	14	EMP	EPA 8270D	
Pyrene		ND	ug/L	0.01	7/1 4/2 0	14	EMP	EPA 8270D	
			Surrog	ate Da	ta	·		· · · · ·	
ample Number	140630030-001			·		·			
Surrogate Si Terphenyl-d1			Method EPA 82		I		n <mark>t Recovery</mark> 98.4	Control L 10-12	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140630030
Address:	15 W. YAKIMA AVE STE210	Project Name:	MONITORING WELLS
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Aatrix Comments	140630030-001 62315 Water	Samp	ling Date ling Time le Location	6/23/2014 2:22 PM	Date/Time Received		6/26/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Chromium		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Lead		ND	mg/L	0.001	7/7/2014	ETI.	EPA 6020A	
Nickel		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Zinc		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Analytical Results Report

Sample Number Client Sample ID Matrix Comment s	140630030-001 62315 Water		Sampling D Sampling Ti Sample Loc	ime	6/23/2014 2:22 PM		/Time Receive action Date	d 6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifier
Aroclor 1016 (F	PCB-1016)	ND	ug/L	0.1	7/9/20	14	MAH	EPA 8082	S4
Aroclor 1221 (F	PCB-1221)	ND	ug/L	0.1	7/9/201	14	MAH	EPA 8082	S4
Aroclor 1232 (F	PCB-1232)	ND	ug/Ł	0.1	7/9/201	14	МАН	EPA 8082	S4
Araclor 1242 (F	PCB-1242)	ND	ug/L	0.1	7/9/201	14	MAH	EPA 8082	S4
Aroclor 1248 (F	PCB-1248)	ND	ug/L	0.1	7/9/201	14	MAH	EPA 8082	S4
Araclor 1254 (F	°CB-1254)	ND	ug/L	0.1	7/9/201	14	MAH	EPA 8082	S4
Aroclor 1260 (F	°CB-1260)	ND	ug/L	0.1	7/9/20	14	MAH	EPA 8082	S4
PCB (total)		ND	ug/L	0.1	7/9/201	14	MAH	EPA 8082	S4
			Surrog	ate Da	ta				
nple Number	140630030-001						· · ····		
Surrogate St	andard		Method		F	Percen	t Recoverv	Control L	imits

EPA 8082

147.2

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

DCB

30-130

VALLEY Environmental Laboratory 15 W. Yakima Ave Ste. 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: W2	C345	Date Reported: 07/15/14 Date Collected: 06/23/14 Time Collected: 2:30 PM Sampled By: Brad Card./Scott Garland					
PLSA Engineering			<u> </u>				
Attn: Scott Garland							
1120 West Lincoln Avenue					Invoice#		
Yakima, WA 98902					27607		
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix:	Water		
VEL Sample #	62316	1					
Sample ID	In the second	NAMEN INTERNATIONALISING CONCERNING INTERNATIONALISING CONCERNING CO	1884 (1128) I I I I I I I I I I I I I I I I I I I				
Units	ug/L	Limits					
Check Standards - Ave.Recovery:	u	Limits					
		··· ,			-		
1,2-Dichlorobenzene-d4	104.8%	(70-130)		-			
4-Bromofluorobenzene	99.2%	(70-130)					
Toluene-d8	101.2%	(70-130)					
Dichlorodifluoromethane	ND	0.50					
Chloromethane	ND	0.50					
Vinyl chloride	ND	0.50					
Bromomethane	ND	0.50					
Chloroethane	ND	0.50					
Acetone	ND	5.00					
Acrolein	ND	0.50		ł			
1,1-Dichloroethylene	ND	0.50					
Methylene chloride	ND	5.00					
Acrylonitrile	ND	0.50					
trans-1,2-Dichloroethylene	ND	0.50					
1,1-Dichloroethane	ND	0.50					
Methyl ethyl ketone (MEK)	ND	5.00					
cis-1,2-Dichloroethylene	ND	0.50					
2,2-Dichloropropane	ND	0.50					
Chloroform	2.74	0.50					
Bromochloromethane	ND	0.50					
1,1,1-Trichloroethane	ND	0.50					
1,2-Dichloroethane	ND	0.50					
1,1-Dichloropropene	ND	0.50					
Carbon tetrachloride	ND	0.50					
Benzene	ND	0.50					
Frichloroethylene	ND	0.50					
Date Analyzed:	6/30/2014				······································		
Analyst:	AAL						
ND = None Detected]	Page 1 of 3	• • • • • • • • • • • • • • • • •				

VALLEY Environmental Laboratory

15 W. Yakima Ave Ste. 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

(509) 575 - 5999 Fax: (509) 573	T THE REAL PROPERTY OF THE REA	ganic Com	pounds (Continued)
VEL Sample #			
Sample ID		MIN (MID) DINI DINI (D(D(M) (MULIK) K) K) K) K(K) K	
Units	ug/L	Limts	
1,2-Dichloropropane	ND	0.50	
Dibromomethane	ND	0.50	
Bromodichloromethane	ND	0.50	
cis-1,3-Dichloropropene	ND	0.50	
Toluene	ND	0.50	
trans-1,3-Dichloropropene	ND	0.50	
1,1,2-Trichloroethane	ND	0.50	
1,3-Dichloropropane	ND	0.50	
Dibromochloromethane	ND	0.50	
Tetrachloroethylene	2.0	0.50	
1,2-Dibromoethane	ND	0.50	
Chlorobenzene	ND	0.50	
1,1,1,2-Tetrachloroethane	ND	0.50	
Ethylbenzene	ND	0.50	
m,p-Xylene	ND	0.50	
Styrene	ND	0.50	
o-Xylene	ND	0.50	
Bromoform	ND	0.50	
1,1,2,2-Tetrachloroethane	ND	0.50	
1,2,3-Trichloropropane	ND	0.50	
Bromobenzene	ND	0.50	
n-Propylbenzene	ND	0.50	
2-Chlorotoluene	ND	0.50	
4-Chlorotoluene	ND	0.50	
1,3,5-Trimethylbenzene	ND	0.50	
tert-Butylbenzene	ND	0.50	
1,2,4-Trimethylbenzene	ND	0.50	
sec-Butylbenzene	ND	0.50	
1,3-Dichlorobenzene	ND	0.50	
1,4-Dichlorobenzene	ND	0.50	
4-Isopropyltoluene	ND	0.50	
1,2-Dichlorobenzene	ND	0.50	
n-Butylbenzene	ND	0.50	
1,2-Dibromo-3-chloropropane	ND	0.50	
1,2,4-Trichlorobenzene	ND	0.50	
Naphthalene	ND	0.50	
Date Analyzed:	6/30/2014		
Analyst:	AAL		
		· · · · · · · · · · · · · · · · ·	
			Page 2 of 3

VALLEY Environmental Laboratory

15 W. Yakima Ave Ste. 210

Yakima, WA 98902

((509)	575 -	3999	Fax:	(509)) 575 - 3068

	<u>Volatile Or</u>	ganic Cor	npounds (C	Continued)		
VEL Sample #	62316					
	140623-W2	8883838181818181818181818181818181818	arra guarana ana ang kang kang kang kang kang kan	1999-9999 1999 1999 1999 1999 1999 1999	21 Mainin (7797979797999193019191919197970103010101	
Units		Limits				
1,1,1-Trichloroethane	ND	0.50				
1,1,2,2-Tetrachloroethane	ND	0.50				
1,1-Dichloroethene	ND	0.50				
1,2,3-Trichlorobenzene	ND	0.50				
1,2-Dichloroethane	ND	0.50				
2-hexanone	ND	0.50				
Bromoform	ND	0.50				
Carbon disulfide	ND	0.50				
Chlorobenzene	ND	0.50				
cis-1,2-dichloroethene	ND	0.50				
cis-1,3-Dichloropropene	ND	0.50				
Hexachlorobutadiene	ND	0.50				
Isopropylbenzene	ND	0.50				
Methyl Isobutyl ketone (MIBK)	ND	5.00				
methyl-t-butyl ether (MTBE)	ND	0.50			-	
p-siopropyltoluene	ND	0.50		1		
tert-Butylbenzene	ND	0.50				
trans-1,2-Dichloroethene	ND	0.50				
Trichlorofluoromethane	ND	0.50				
			:			
	-					
					3	
	4					
			4			
Date Analyzed:	6/30/2014					
Analyst:	AAL					
	<u></u>					
			Page 3 of 3	A		

VALLEY Environmental Laboratory 15 W. Yakima Ave. Ste. 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Sampled At: W2	Date Reported: 07/15/14 Date Collected: 06/23/14 Time Collected: 2:30 PM Sampled By: Brad Card./Scott Garland					
PLSA Engineering			<u> </u>		<u></u>	
Attn: Scott Garland						
1120 West Lincoln Avenue					Invoice#	
Yakima, WA 98902					27607	
Priority pollutants-SOC's		Method	: EPA 8270C	Matrix:	Water	
VEL Sample #	62316					
Sample ID	140623-W2					
Surrogate Standards	Results		-			
p-Terphenyl-d14	98.2%	10-125				
Acenaphthylene	ND@0.01	ug/L				
Acenaphthene	ND@0.01	ug/L				
Fluorene	ND@0.01	ug/L				
Phenanthrene	ND@0.01	ug/L				
Anthracene	ND@0.01	ug/L				
Fluoranthene	ND@0.01	ug/L				
Pyrene	ND@0.01	ug/L				
2-Methylphenol	ND@0.01	ug/L				
Benzo(a)anthracene	ND@0.01	ug/L				
Chrysene	ND@0.01	ug/L				
Benzo(b)fluoranthene	ND@0.01	ug/L				
Benzo(k)fluoranthene	ND@0.01	ug/L				
Benzo(a)pyrene	ND@0.01	ug/L				
Indeno(1,2,3-cd)pyrene	ND@0.01	ug/L	:			
Dibenzo(a,h)anthracene	ND@0.01	ug/L				
Benzo(ghi)perylene	ND@0.01	ug/L				
Naphthalene	ND@0.01	ug/L				
		U				
— · · · · · · · · · · · · · · · · · · ·						
· _ ·						
· · · ·						
· · · · · · · · · · · · · · · · · · ·						
······································						
Date Analyzed:	7/14/2014					
Analyst:	125					
VD = None Detected		Page 1 of 1	·	0		
ND = None Detected	<u></u>	Page 1 of 1		\		

62316-8270

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

IOC PP Metals

	Date Colle	cted: 06/23/14		<u>) </u>								
<u> </u>												
		e No: 227-62316			C	ounty:	YAKIMA					
	Sample Loca	tion: W2										
			-				06/23/14					
1975375 1975375							07/15/14	<u>_</u> _	·			
(12)/3/ (12)/3/				_			Brad Card./		lí			
	Report To:		SAMPI	LE COMM	ENTS	Matri	x: Water					
	PLSA Engineering											
	Attn: Scott Garland											
	1120 West Lincoln Av	venue										
	Yakima, WA 98902											
	IOC PP Metals											
	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys			
	Lead	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL			
	Zinc	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL			
	Cadmium	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL			
· · · —	Chromium	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL			
<u>111 N</u>	Nickel	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL			
			<u></u>		·	<u> </u>		_				
		· • ·							<u> </u>			
					· · · · · · · · · · · · · · · · · · ·			·				
·	···											
	·	·	· .	-			·		·			
	<u></u> <u></u>	- *		-								
	·				<u> </u>							
	······						·					
						· · · ·						
		· · · · · · · · · · _ /		+			·····					
	·											
	· · · · · · · · · · · · · · · · · · ·				-							
			- · ·	ł		— ·						
								-				
							···					
· · · · · · · · · · · · · · · · · · ·							······································					

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-30692316-ppmetals

p.1

62316-pcbs

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

		<u> </u>	$\mathbf{D} \mathbf{S}(\mathbf{W})$	ater)						
Date Col	llected: 06/23/14									
Lab/Sam	ple No: 227-62316				'ounte-	YAKIMA				
	cation: W2				<u>, опптъ</u>					
			Date Received: 06/23/14							
						07/15/14				
			Sam	ple Collect	ted By:	Brad Card./See	ott Garland			
Send Report To:			SAMP	LE COMM	ENTS	Matri	x: Water			
PLSA Engineering										
Attn: Scott Garland			5							
1120 West Lincoln &										
Yakima, WA 98902 PCB's	·									
DOH# Analytes	Draulte	TT .**	D.CDT	ar •	1101					
PCB's	Results ND	Units		Trigger	MCL	Method	Analyzed			
		ug/L	0.1	L		EPA 8082	07/09/14	AAL		
• • • <u></u> • • • • • • • • • • • • • • • • • •		····		· · · · · · · · · · · · · · · · · · ·		· · · - · · · · · · · · · · · · · · · ·	· ·			
				· ·		·····				
· · · · · · · · · · · · · · · · · · ·	· · · ·							•		
		·					i			
·····			I			···				
	<u> </u>		·					· ·		
·····	·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·						
			+		··· —		· · · · · · · · · · · · · · · · · · ·			
			1		• •	········				
· · · · · · · · · · · · · · · · ·		·	1	· · ·						
······································	· · ·				···		· · · ·			
				·		·		· ·		
······································					•••••					
· · · · · · · · · · · · · · · · · · · ·						··				
		· · ·				······································				
: 										
			<u> </u>							
MRL (Method Reporting Leve Trianery DOVI Drinking Weers										
Trigger: DOH Drinking Water MCL (maximum contaminant l							se on packages.			
ND (Not Detected): Indicates th										
						_5				
	·	-	Ap	proved By:		9				

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anatektabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anatektabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

Batch #: 140 Project Name: MC

140630030 MONITORING WELLS

Attn:

YAKIMA, WA 98901 DARA OSBORNE

Analytical Results Report

 Sample Number
 140630030-002
 Sampling Date
 6/23/2014
 Date/Time Received
 6/26/2014
 11:50 AM

 Client Sample ID
 62316
 Sampling Time
 2:30 PM

 Matrix
 Water
 Sample Location

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	NĎ	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.01	6/30/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2-hexanone	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Acetone	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Acrylonitrile	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Benzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromochloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: (D00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210

DARA OSBORNE

Attn:

YAKIMA, WA 98901

Analytical Results Report

Batch #:

Project Name:

140630030

MONITORING WELLS

Sample Number	140630030-002	Sampling Date	6/23/2014	Date/Time Received	6/26/2014	11:50 AM
Client Sample ID	62316	Sampling Time	2:30 PM			
Matrix	Water	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromoform	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromomethane	NĎ	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloroform	2.74	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dibromomethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Naphthalene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
p-isopropyltoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Styrene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cent0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:Address:15 W. YAKIMA AVE STE210Project Name:YAKIMA, WA 98901DARA OSBORNE

Analytical Results Report

140630030

MONITORING WELLS

mple Number ient Sample ID itrix mments	140630030-002 62316 Water		Sampling Date Sampling Time Sample Location		6/23/2014 E 2:30 PM	Date/Time Rece	ived 6/26/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Dat	te Analyst	Method	Qualifier
tert-Butylbenze	ne	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Tetrachloroeth	ene	1.98	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Toluene		ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
trans-1,2-Dichle	proethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
trans-1,3-Dichle	propropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Trichloroethene	÷	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Trichloroflouror	nethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Surrogate Data		
		· · · · · · · · · · · · · · · · · · ·
Method	Percent Recovery	Control Limits
EPA 8260B	104.8	70-130
EPA 8260B	99.2	70-130
EPA 8260B	101.2	70-130
	Method EPA 8260B EPA 8260B	Method Percent Recovery EPA 8260B 104.8 EPA 8260B 99.2

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C586; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 1406 Project Name: MON

140630030 MONITORING WELLS

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-002 62316 Water		Sampling D Sampling T Sample Loc	ime	6/23/2014 2:30 PM		e/Time Rece action Date		
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifier
2-Methylnaphth	alene	ND	ug/L	0.01	7/14/2	2014	EMP	EPA 8270D	996
Acenaphthene		ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Acenaphthylena	•	ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Anthracene		ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Benzo(ghi)peryl	ene	ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Benzo[a]anthrac	cene	ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Benzo[a]pyrene		ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Benzo[b]fluoran	thene	ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Benzo[k]fluoran	hene	ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Chrysene		ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Dibenz[a,h]anth	racene	ND	ug/L	0.01	7/14/2	014	EMP	EPA 8270D	
Fluoranthene		ND	ug/L	0.01	7/14/20	014	EMP	EPA 8270D	
Fluorene		ND	ug/L	0.01	7/14/20	014	EMP	EPA 8270D	
Indeno[1,2,3-cd]	pyrene	ND	ug/L	0.01	7/14/20)14	EMP	EPA 8270D	
Naphthalene		ND	ug/L	0.01	7/14/20)14	EMP	EPA 8270D	

Cartifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Cartifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 **YAKIMA, WA 98901** Attn: DARA OSBORNE

Batch #: 140630030 **Project Name:**

MONITORING WELLS

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-002 62316 Water	·	Sampling D Sampling Ti Sample Loc	me	6/23/2014 2:30 PM		e/Time Receinaction Date	ved 6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis [Date	Analyst	Method	Qualifier
Phenanthrene		ND	ug/L	0.01	7/14/20	14	EMP	EPA 8270D	
Pyrene		ND	ug/L	0.01	7/14/201	2014 EMP		EPA 8270D	
		· . - <u>-</u>	Surrog	ate Da	ta				
mple Number	140630030-002	·					- <u></u>		
Surrogate St Terphenyl-d1			Method EPA 82		P		nt Recovery 98.2	Control L 10-12	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRONMENTAL LAB 15 W. YAKIMA AVE STE210	Batch #: Project Name:	140630030 MONITORING WELLS
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE	. <u> </u>	
	Analytical Res	ults Report	

Sample Number Client Sample ID Matrix Comments	140630030-002 62316 Water	Sampling Date 6/23/2014 Sampling Time 2:30 PM Sample Location		Date/	6/26/2014	11:50 AM		
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Chromium		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Lead		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Nickel		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Zinc		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; A2:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 140630030 **Project Name:**

MONITORING WELLS

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-002 62316 Water		Sampling D Sampling Ti Sample Loc	me	6/23/2014 2:30 PM	Date/Time Receive Extraction Date	ed 6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifier
Aroclor 1016 (F	PCB-1016)	ND	ug/L	0.1	7/9/2014	4 MAH	EPA 8082	S4
Aracior 1221 (F	PCB-1221)	ND	ug/L	0.1	7/9/2014	4 MAH	EPA 8082	S4
Arocior 1232 (F	PCB-1232)	ND	ug/L	0.1	7/9/2014	4 MAH	EPA 8082	S4
Arocior 1242 (F	^o CB-1242)	ND	ug/L	0.1	7/9/2014	4 MAH	EPA 8082	S4
Aroclor 1248 (F	PCB-1248)	ND	ug/L	0.1	7/9/2014	4 MAH	EPA 8082	S4
Aroclor 1254 (F	PCB-1254)	ND	ug/L	0.1	7/9/2014	1 MAH	EPA 8082	S4
Aroclor 1260 (F	PCB-1260)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S 4
PCB (total)		ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
			Surroga	ate Da	ta			
mple Number	140630030-002			·	. <u> </u>			
Surrogate St	andard		Method		Pe	ercent Recovery	Control L	.imits
DCB			EPA 80	82		141.6	30-13	0

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

VALLEY Environmental Laboratory 15 W Yakima Ave Ste. 210 Yakima, WA 98902 (509) 575 - 3999 Fax: (509) 575 - 3068

Washington State DOE Accredited Lab # Sampled At: W3	Date Reported: 07/15/14 Date Collected: 06/23/14 Time Collected: 2:52 PM Sampled By: Brad Card./Scott Garland				
PLSA Engineering					
Attn: Scott Garland	-				
1120 West Lincoln Avenue					Invoice
Yakima, WA 98902					2760
Volatile Organic Chemicals		Method	: EPA 8260B	Matrix:	
VEL Sample #	62317				
	140623-W3		1816 (H)(%) 9 / ALMINI MINES (TELEMENT BELOW) BERNEL WOLLD LINKE	ana si ja	11. (136) 18 (1) (16.(1)) (16.
Units	ug/L	Limits			
Check Standards - Ave.Recovery:	ugri				
1,2-Dichlorobenzene-d4	106.4%	(70-130)			
4-Bromofluorobenzene	101.2%	(70-130)			
Toluene-d8	100.8%	(70-130)			
Dichlorodifluoromethane	ND	0.50			
Chloromethane	ND	0.50	-		
Vinyl chloride	ND	0.50			
Bromomethane	ND	0.50			
Chloroethane	ND	0.50			
Acetone	ND	5.00			
Acrolein	ND	0.50			
1,1-Dichloroethylene	ND	0.50			
Methylene chloride	ND	5.00			
Acrylonitrile	ND	0.50			
rans-1,2-Dichloroethylene	ND	0.50			
1,1-Dichloroethane	ND	0.50			
Methyl ethyl ketone (MEK)	ND	5.00			
cis-1,2-Dichloroethylene	ND	0.50			
2,2-Dichloropropane	ND	0.50			
Chloroform	2.57	0.50			
Bromochloromethane	ND	0.50			
,1,1-Trichloroethane	ND	0.50			
,2-Dichloroethane	ND	0.50			
,1-Dichloropropene	ND	0.50			
Carbon tetrachloride	ND	0.50			
Benzene	ND	0.50			
Frichloroethylene	ND	0.50			4
Date Analyzed:	6/30/2014				· · · ·
Analyst:	AAL				
ND = None Detected	F	Page 1 of 3		1	

VALLEY Environmental Laboratory

15 W Yakima Ave Ste. 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

	Volatile Or	ganic Com	1pounds (Continued)
VEL Sample #			
	140623-W3	an manun manun manun (14,14634)) natru manun	
Units	ug/L	Limts	
1,2-Dichloropropane	ND	0.50	
Dibromomethane	ND	0.50	
Bromodichloromethane	ND	0.50	
cis-1,3-Dichloropropene	ND	0.50	
Toluene	ND	0.50	
trans-1,3-Dichloropropene	ND	0.50	
1,1,2-Trichloroethane	ND	0.50	
1,3-Dichloropropane	ND	0.50	
Dibromochloromethane	ND	0.50	
Tetrachloroethylene	1.73	0.50	
1,2-Dibromoethane	ND	0.50	
Chlorobenzene	ND	0.50	
1,1,1,2-Tetrachloroethane	ND	0.50	
Ethylbenzene	ND	0.50	
m,p-Xylene	ND	0.50	
Styrene	ND	0.50	
o-Xylene	ND	0.50	
Bromoform	ND	0.50	
1,1,2,2-Tetrachloroethane	ND	0.50	
1,2,3-Trichloropropane	ND	0.50	
Bromobenzene	ND	0.50	
n-Propylbenzene	ND	0.50	
2-Chlorotoluene	ND	0.50	
4-Chlorotoluene	ND	0.50	
1,3,5-Trimethylbenzene	ND	0.50	
tert-Butylbenzene	ND	0.50	
1,2,4-Trimethylbenzene	ND	0.50	
sec-Butylbenzene	ND	0.50	
1,3-Dichlorobenzene	ND	0.50	
1,4-Dichlorobenzene	ND	0.50	
4-Isopropyltoluene	ND	0.50	
1,2-Dichlorobenzene	ND	0.50	
n-Butylbenzene	ND	0.50	
1,2-Dibromo-3-chloropropane	ND	0.50	
1,2,4-Trichlorobenzene	ND	0.50	
Naphthalene	ND	0.50	
Date Analyzed:	6/30/2014		
Analyst:	AAL		
			h-
		·	Page 2 of 3

1

VALLEY Environmental Laboratory

15 W Yakima Ave Ste. 210

Yakima, WA 98902

(509) 575 - 3999 Fax: (509) 575 - 3068

Volatile Organic Compounds (Continued)								
VEL Sample #								
	140623-W3			al (Alexan) Madela (ni ini) (nomini perina ini caro no si co se provinci perina i co	an a na shekara na she			
Units		Limits						
1,1,1-Trichloroethane	ND	0.50						
1,1,2,2-Tetrachloroethane	ND	0.50						
1,1-Dichloroethene	ND	0.50						
1,2,3-Trichlorobenzene	ND	0.50						
1,2-Dichloroethane	ND	0.50						
2-hexanone	ND	0.50						
Bromoform	ND	0.50						
Carbon disulfide	ND	0.50						
Chlorobenzene	ND	0.50						
cis-1,2-dichloroethene	ND	0.50						
cis-1,3-Dichloropropene	ND	0.50						
Hexachlorobutadiene	ND	0.50						
sopropylbenzene	ND	0.50						
Methyl Isobutyl ketone (MIBK)	ND	5.00			ł			
nethyl-t-butyl ether (MTBE)	ND	0.50						
o-siopropyltoluene	ND	0.50						
ert-Butylbenzene	ND	0.50						
rans-1,2-Dichloroethene	ND	0.50						
Frichlorofluoromethane	ND	0.50						
	ļ							
·····								
			}					
·								
					ĺ			
	-							
· · · · · · · · · · · · · · · · · · ·								
Date Analyzed:	6/30/2014							
Date Analyzeu: Analyst:	6/30/2014 AAL							
Analyst:	AAL				<u>_</u>			
			Page 3 of 3	`	\			
				<u>}</u>				

VALLEY Environmental Laboratory 201 East D Street Yakima, WA 98901 (509) 575 - 3999 Fax: (509) 575 - 3068

Sampled At: W3		Date Reported: 07/15/14 Date Collected: 06/23/14 Time Collected: 2:52 PM Sampled By: Brad Card./Scott Garland				
PLSA Engineering Attn: Scott Garland 1120 West Lincoln Avenue Yakima, WA 98902	<u> </u>		<u> </u>		<u>Invoice#</u> 27607	
Priority pollutants-SOC's		Method	EPA 8270C	Matrix:		
VEL Sample Sample I	D 140623-W3					
Surrogate Standards	Results	-				
p-Terphenyl-d14	 	10-125				
Acenaphthylene	ND@0.01	ug/L				
Acenaphthene	ND@0.01	ug/L				
Fluorene	ND@0.01	ug/L				
Phenanthrene	ND@0.01	ug/L				
Anthracene	ND@0.01	ug/L				
Fluoranthene	ND@0.01	ug/L				
Pyrene	ND@0.01	ug/L				
2-Methylphenol	ND@0.01	ug/L				
Benzo(a)anthracene	ND@0.01	ug/L				
Chrysene	ND@0.01	ug/L				
Benzo(b)fluoranthene	ND@0.01	ug/L				
Benzo(k)fluoranthene	ND@0.01	ug/L				
Benzo(a)pyrene	ND@0.01	ug/L				
Indeno(1,2,3-cd)pyrene	ND@0.01	ug/L				
Dibenzo(a,h)anthracene	ND@0.01	ug/L				
Benzo(ghi)perylene Naphthalene	ND@0.01	ug/L				
	ND@0.01	ug/L				
· · · · · · · · · · · · · · · · · · ·	-1					
·····	-			ļ		
	-					
Date Analyzed	7/14/2014				<u> </u>	
Analyst			k			
ND = None Detected		Page 1 of 1	4			

62317-8270

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

IOC PP Metals

	Date Col	lected: 06/23/14							
		ple No: 227-62317			C	ounty:	YAKIMA		
AN PARA	Sample Lo	cation: W3						· · · · ·	
							06/23/14		
				ļ			07/15/14		
					Brad Card./Sco				
end	Report To:			SAMPI	E COMM	ENTS	Matri	: Water	
	PLSA Engineering								
	Attn: Scott Garland								
	1120 West Lincoln A	Avenue							
	Yakima, WA 98902								
	IOC PP Metals		· · · · ·						
OH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys
9	Lead	ND	mg/L	0.001			EPA 6020A	07/07/14	AAL
24	Zinc	0.00116	mg/L	0.001			EPA 6020A	07/07/14	AAL
6	Cadmium	ND	mg/L	0.001			EPA 6020A		AAL
	Chromium	ND	mg/L	0.001			EPA 6020A		AAL
111	Nickel	0.00153	mg/L	0.001			EPA 6020A	07/07/14	AAL
					······································				
				· · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	
	· · ·								
				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · ·		· ·		· · · · ·
··· · —-					·				
,	MRL (Method Reporting Leve Trigger: DOH Drinking Water MCL (maximum contaminant ND (Not Detected): Indicates th	response level. Public Syster level): Highest level recomm	ns in excess of t rended by the fe	this level mu deral govern	st take addition ment for public	al samples water sys	s. Recommended rang	e on packages.	<u> </u>

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-30692317-ppmetals

62317-pcbs

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

PCB's (Water)

Date Colle	ected: 06/23/14						<u> </u>		
Lab/Sampl	e No: 227-63217			(County:	YAKIMA			
Sample Loca	tion: W3		у - торолов в в						
		·/				06/23/14			
				Date Re	ported:	07/15/14			
nd Report To:		·	Sam	ple Collec	ted By:	Brad Card./Sc	ott Garland		
PLSA Engineering			SAMPI	LE COMM	ENTS	Matri	x: Water		
Attn: Scott Garland			Į						
1120 West Lincoln Av	07110						x		
Yakima, WA 98902	enue								
PCB's			<u> </u>						
H#Analytes PCB's	Results	Units	MRL	Trigger	MCL	Method	Analyzed Analy		
		ug/L	0.1			EPA 8082	07/09/14 AAL		
			İ		<u> </u>				
			<u> </u>						
		_ ·	<u> </u>		<u> </u>				
	—— j — —		ļ		L	······································	· · · ·		
	i i								
·	[· ·	<u> </u>		i [
-	· · ·····				'		· · · · · · · · · · · · · · · · · · ·		
· - · · · · · · · · · · · · · · · · · ·	···		Ļ		i 		I I		
					ļ				
			···						
				·····	i				
<u> </u>		· · · ·	·	······			⊨		
······································							i		
· · · · · · · · · · · · · · · · · · ·		·····		—- — " —i			· ·		
· · · · · · · · · · · · · · · · · · ·	— — — …		-•	···· ·					
······			i						
· · ·	····	· · ·	· ·						
							· / · · · · · · · · · · · · · · · · · ·		
						·	·		
MRL (Method Reporting Level): Trigger: DOH Drinking Water rosp MCL (maximum contaminant level ND (Not Detected): Indicates this or	onse level. Public System I): Highest level recomme	s in excess of t ended by the fea	his level mus deral governr	t take additionation	ll samples. water syste	Recommended range	າ on packages.		
			Арр	roved By:		A	-		

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address:

15 W. YAKIMA AVE STE210

Attn:

YAKIMA, WA 98901

Batch #: Project Name:

140630030 MONITORING WELLS

DARA OSBORNE

Analytical Results Report

Sample Number	140630030-003	Sampling Date	6/23/2014	Date/Time Received	6/26/2014	11:50 AM
Client Sample ID	62317	Sampling Time	2:52 PM			
Matrix	Water	Sample Location				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.01	6/30/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
2-hexanone	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Acetone	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Acrylonitrile	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Benzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromochloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABAddress:15 W. YAKIMA AVE STE210

: 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Batch #: Project Name:

140630030 MONITORING WELLS

Attn: DARA OSBORNE

Analytical Results Report

							-
Sample Number	140630030-003	Sampling Date	6/23/2014	Date/Time Received	6/26/2014	11:50 AM	
	000/7	, .			**==***		
Client Sample ID	62317	Sampling Time	2:52 PM				
Matrix	Water	0					
WATTIX	vvaler	Sample Location					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromodichloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromoform	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Bromomethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloroethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloroform	2.57	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Chloromethane	ND	ug/L.	0.5	6/30/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dibromomethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	6/30/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Naphthalene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
D-Xylene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
p-isopropyltoluene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
sec-Butylbenzene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	
Styrene	ND	ug/L	0.5	6/30/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901

Batch #: 1400 Project Name: MON

140630030 MONITORING WELLS

Attn: DARA OSBORNE

Analytical Results Report

ample Number ient Sample ID atrix omments	140630030-003 62317 Water		Sampling Date Sampling Time Sample Location		6/23/2014 2:52 PM	Date/Time Received		6/26/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis ()ate Ana	lyst	Method	Qualifier
tert-Butylbenze	ne	ND	ug/L	0.5	6/30/201	14 SA	T El	PA 8260B	
Tetrachloroeth	эле	1.73	ug/L	0.5	6/30/201	14 SA	T EI	PA 8260B	
Toluene		ND	ug/L	0.5	6/30/201	I4 SA	T EI	PA 8260B	
trans-1,2-Dichloroethene		ND	ug/Ł	0.5	6/30/201	14 SA	T EI	PA 8260B	
trans-1,3-Dichloropropene		ND	ug/L	0.5	6/30/201	14 SA	T El	PA 8260B	
Trichloroethene		ND	ug/L	0.5	6/30/201	14 SA	T El	PA 8260B	
Trichloroflouromethane		ND	ug/L	0.5	6/30/201	I4 SA	T EI	PA 8260B	
Vinyl Chloride		ND	ug/L	0.5	6/30/201	4 SA	T EI	PA 8260B	

Surrogate Data

e Number 140630030-003				
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	106.4	70-130	
4-Bromofluorobenzene	EPA 8260B	101.2	70-130	
Toluene-d8	EPA 8260B	100.8	70-130	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Analek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 14063 Project Name: MONT

140630030 MONITORING WELLS

Analytical Results Report

Sample Number 140630030-003 Client Sample ID 62317 Matrix Water Comments Parameter			Sampling Date Sampling Time Sample Location				te/Time Received traction Date		6/26/2014 6/30/2014	11:50 AM
		Result	Units	PQL	Analysis	Date Analyst		Meth	bd	Qualifier
2-Methyinaphthalene		ND	ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Acenaphthene		ND	ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Acenaphthylene		NÐ	ug/L	0.01	7/14/2	7/14/2014 EMI		EPA 82	70D	
Anthracene	Anthracene		ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Benzo(ghi)pery	Benzo(ghi)perylene		ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Benzo[a]anthracene		ND	ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Benzo[a]pyrene	9	ND	ug/L	0.01	7/14/2014 EMP		EPA 827	'0D		
Benzo[b]fluoran	ithene	ND	ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Benzo[k]fluoranthene		ND	ug/L	0.01	7/14/2014		EMP	EPA 8270D		
Chrysene	Chrysene		ug/L	0.01	7/14/2	7/14/2014 EMP		EPA 827	'0D	
Dibenz[a,h]anth	racene	ND	ug/L	0.01	7/14/2014 EMP		EMP	EPA 827	'0D	
Fluoranthene		ND	ug/L	0.01	7/14/2014 EMF		EMP	EPA 8270D		
Fluorene		ND	ug/L	0.01	7/14/2014 EMP		EPA 827	0D		
Indeno[1,2,3-cd]	pyrene	ND	ug/L	0.01	7/14/2014 EMP EPA 8270		0D			
Naphthalene		ND	ug/L	0.01	7/14/2014		EMP	EPA 827	0D	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 140630030 **Project Name:**

MONITORING WELLS

Analytical Results Report

nple Number ent Sample ID trix mments	140630030-003 62317 Water		Sampling D Sampling Ti Sample Loc	me			ne Recei on Date	ved 6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis D	ate A	nalyst	Method	Qualifier
Phenanthrene		ND	ug/L	0.01	7/14/201	4	EMP	EPA 8270D	
Pyrene		ND	ug/L	0.01	7/14/201	4	EMP	EPA 8270D	

Sample Number	140630030-003			
Surrogate S	tandard	Method	Percent Recovery	Control Limits
Terphenyl-d	14	EPA 8270D	101.7	10-125

Authorized Signature

ohn, Cath John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRONMENTAL LAB 15 W. YAKIMA AVE STE210	Batch #: Project Name:	140630030 MONITORING WELLS
Attn:	YAKIMA, WA 98901 DARA OSBORNE		
~ un			

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-003 62317 Water	Samp	ling Date ling Time le Locatior	6/23/2014 2:52 PM 1	Date/	Time Received	6/26/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cadmium		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Chromium		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Lead		ND	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Nickel		0.00153	mg/L	0.001	7/7/2014	ETL	EPA 6020A	
Zinc		0.00116	mg/L	0.001	7/7/2014	ETL	EPA 6020A	

Authorized Signature

w. Carth

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C595; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D · Spokane WA 99202 · (509) 838-3999 · Fax (509) 838-4433 · email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
1	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 140630030 **Project Name:**

MONITORING WELLS

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140630030-003 62317 Water		Sampling D Sampling Ti Sample Loc	ime	6/23/2014 2:52 PM	Date/Time Receiv Extraction Date	red 6/26/2014 6/30/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis D	ate Analyst	Method	Qualifier
Aroclor 1016 (I	PCB-1016)	ND	ug/L	0.2	7/9/2014	MAH	EPA 8082	S4
Aroclor 1221 (I	PCB-1221)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
Aroclor 1232 (F	PCB-1232)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
Aroclor 1242 (F	PCB-1242)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
Aroclor 1248 (F	PCB-1248)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
Aroclor 1254 (F	PCB-1254)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
Aroclor 1260 (F	PCB-1260)	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
PCB (total)	· ··· ··· ··· ··· ··· ···	ND	ug/L	0.1	7/9/2014	MAH	EPA 8082	S4
			Surrog	ate Da	ta			
mple Number	140630030-003							
Surrogate St	andard		Method		Pe	ercent Recovery	Control L	imits
DCB			EPA 80	82		152.8	30-13	0

ohn. Cath

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

Not Detected ND

PQL Practical Quantitation Limit

Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample S4

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

התחתים כלותאתאה אתיותר יווווישיות והאה ומאיר יות את אתמונהיו נה משורת. את האורה את האורה את האורים וווויש		1. USE ONE LINE PER SAMPLE 2. BE SPECIFIC INTEST REQUESTS 4. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE	hervise marked. B. The			{ //	140072 1211 0723/11 VIME		TELEPHONE: 509 575 6990 FAX: 575 699.3	ATTENTION: Brad Card	ADORRESS 1120 W. Lincaln Aver,	CLIENT: DIAL SA
	6-23-14 3:55 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Eugeneerving + Surnervandmanderving by Low color 4 or 4	aboratory may not be responsible for missed holding time for samplas received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information			× × F T T T T T T T T T T T T T T T T T	So and the for the for the 1 and the	A CAR A A A A A	S S S S S S S S S S S S S S S S S S S	PAGEOF		CHAIN OF CUSTODY RECORD
	Ally 2 15:56	* RUSH TURNAROUND IS SUBJECT TO PRIOR	of the analytical hold time remaining. Please contact				A THE REAL	4 6		上的 Pretoon	(509) 5	201 Ea
	 Std. 10-14 Business Days 24-48 Hirs. 100% Rush 3-Day Rush – 80% 1 week Rush – 50% 		the laboratory for further information			反対	OBSERVATIONS COMMENTS SRECIAL INSTRUCTIONS		*	rax. (202) 272 - 3068	(509) 575 - 3999	201 East D Street Yakima. WA 98901

.

NOVEMBER 2014 GROUNDWATER ANALYTICAL RESULTS

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

NWTPH-HCID

Date Collected:	11/20/14							
Lab/Sample No:				C	ounty:	YAKIMA	· · · · · · · · · · · · · · · · · · ·	
Sample Location:	141120-W	2				11/21/14		
						12/15/14		
				le Collect		Scott		
end Report To:	· · · · · · · · · · · · · · · · · · ·	·····	SAMPI	LE COMIV	IENTS	Matrix	: Water	
PLSA Engineering			Tidrie	-				
Attn: Scott Garland				.n				
1120 West Lincoln Avenue								
Yakima, WA 98902								
NWTPH-HCID								· · · · · · · · · · · · · · · · · · ·
OH# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analys
Hydrocarbon ID	NONE					WATPH-HCID	12/09/14	125
% Surrogate Recovery	108.8	%				(50 - 150)	12/09/14	125
Diesel	<0.63	mg/L	0.63			WATPH-HCID	12/09/14	125
Gasoline	<0.25	mg/L	0.25			WATPH-HCID	12/09/14	125
Lube Oil	<0.63	mg/L	0.63			WATPH-HCID	12/09/14	125
		Diesel	True		•	%		
QC ID	Units	Results	Value	Recovery	Limits	RPD	-	
LCS (lab Control Sample)	mg/L	0.276	0.5	55.2	50-150			
MB (method blank)	mg/L	ND	ND					
LCSD(Lab Control Sample Duplicate	mg/L	0.3	0.5	60.6	0-50	9.3		·
MRL (Method Reporting Level): Indicat Trigger: DOH Drinking Water response lev MCL (maximum contaminant level): Hig	vel. Public Syste	ms in excess of	this level mu	st take addition	nal samples	. Recommended range	on packages.	
ND (Not Detected): Indicates this compound	nd was analyzed	and not detected		eater than or eq proved By:		MRL or SRL. ∫		

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

05205-hcid

VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345 VOLATILE ORGANIC CHEMICALS (VOCs) ANALYSIS REPORT

F

Lab/Sample No:	227-05205	Date C	ollected:	11/20/14	- <u> </u>		,
	· · · · · · · · · · · · · · · · · · ·						
Date Received:	11/21/14			12/15/14	·	Supervisor	
· · · · · · · · · · · · · · · · · · ·	••••••••••••••••••••••••••••••••••••••		· · · · · ·	12/04/14		Analyst	: 125
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			pled By:	Scott		. <u></u>	<del></del>
Sample Location:	141120-W2				<u> </u>	Invoice#	
Send Report To:			Sample	e Informa	tion	Matrix	Water
PLSA Engineering			Tidri	rk			
Attn: Scott Garland				CA			
1120 West Lincoln Avenue							
Yakima, WA 98902							
Volatile Organic Chemical	S			·			
OOH# Analytes	Results	Units	MRL	Trigger	MCL	Excee	ds?
DIPA RIBICIPILA IDED						Trigger?	MCL?
45 Vinyl chloride	ND	μg/L	0.50	0.50	2.0	N	N
46 1,1-Dichloroethylene	ND	μg/L	0.50	0.50	7.0	N	N
47 1,1,1-Trichloroethane	ND	μg/L	0.50	0.50	200	N	N
48 Carbon tetrachloride	ND	μg/L	0.50	0.50	5.0	N	N
49 Benzene	ND	μg/L	0.50	0.50	5.0	N	Ν
50 1,2-Dichloroethane	ND	μg/L	0.50	0.50	5.0	N	N
51 Trichloroethylene	ND	μg/L	0.50	0.50	5.0	Ν	N
52 1,4-Dichlorobenzene	ND	μg/L	0.50	0.50	75	N	N
56 Dichloromethane	ND	μg/L	0.50	0.50	5.0	<u>N</u>	N
57 trans-1,2-Dichloroethylene	ND	μg/L	0.50	0.50	100	N	N
60 cis-1,2-Dichloroethylene	1.1	μg/L	0.50	0.50	70	Ν	N
63 1,2-Dichloropropane	ND	μg/L	0.50	0.50	5.0	<u>N</u>	N
66 Toluene	ND	μg/L	0.50	0.50	1000	N	N
67 1,1,2-Trichloroethane	ND	μg/L	0.50	0.50	5.0	N	N
68 Tetrachloroethene	2.46	μg/L	0.50	0.50	5.0	N	N
71 Chlorobenzene	ND	μg/L	0.50	0.50	100	<u>N</u>	N
73 Ethylbenzene	ND	μg/L	0.50	0.50	700	Ν	N
76 Styrene	ND	μg/L	0.50	0.50	100	N	N
84 1,2-Dichlorobenzene	ND	μg/L	0.50	0.50	600	<u>N</u>	N
95 1,2,4-Trichlorobenzene	ND	μg/L	0.50	0.50	70	N	N
160 Total Xylenes	ND	μg/L	0.50	0.50	10000	N	N
74 m,p-Xylenes (MCL for Total)	ND ND	μg/L	0.50	0.50		<u>N</u>	N
75 o-Xylene (MCL for Total)		μg/L	0.50	0.50	1	Ν	

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

05205-voc

#### MNat5 W Yanima Avgister 210 WA 98902 509-575-3999 Fax: 509-875-3068

### VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

	Lab Sample No:	22705205		alysis Repor	t - Page 2	
DOH#	Analytes	Results	Units	SRL	Trigger	MCL
	EPA UNREGULATED					
27	Chloroform	3.00	μg/L	0.50		
28	Bromodichloromethane	ND	μg/L	0.50		
29	Dibromochloromethane	ND	μg/L	0.50		
30	Bromoform	ND	μg/L	0.50	······································	
53	Chloromethane	ND	μg/L	0.50	0.50	
54	Bromomethane	ND	μg/L	0.50	0.50	
55	Chloroethane	ND	μg/L	0.50	0.50	
58	1,1-Dichloroethane	ND	μg/L	0.50	0.50	
59	2,2-Dichloropropane	ND	μg/L	0.50	0.50	
62	1,1-Dichloropropene	ND	μg/L	0.50	0.50	
64	Dibromomethane	ND	μg/L	0.50	0.50	
70	1,3-Dichloropropane	ND	μg/L	0.50		
70	1,1,1,2-Tetrachloroethane	ND ND			0.50	·
72	Bromobenzene	ND ND	μg/L	0.50	0.50	·
78	1,2,3-Trichloropropane	ND ND	μg/L μg/I	0.50	0.50	
80	1,1,2,2-Tetrachloroethane	ND ND	μg/L μg/L	0.50	0.50	
81	o-Chlorotoluene	ND	μg/L μg/L	0.50	0.50	
82	p-Chlorotoluene	ND	μg/L μg/L	0.50	0.50	
	m-Dichlorobenzene	NĐ	μg/L μg/L	0.50	0.50	
	Dichlorodifluoromethane	ND ND	μg/L μg/L	0.50	0.50	
	STAFE UNRECULATED					
65	cis-1,3-Dichloropropene	ND	μg/L	0.50	0.50	
	trans-1,3-Dichloropropene	ND	μg/L	0.50	0.50	
	Fluorotrichloromethane	ND	μg/L	0.50	0.50	
	Bromochloromethane	ND	μg/L	0.50	0.50	
	Isopropylbenzene	ND	μg/L	0.50	0.50	
	n-Propylbenzene	NÐ	μg/L	0.50	0.50	
89	1,3,5-Trimethylbenzene	ND	μg/L	0.50	0.50	
90	tert-Butylbenzene	ND	μg/L	0.50	0.50	
91	1,2,4-Trimethylbenzene	ND	μg/L	0.50	0.50	
92	sec-Butylbenzene	ND	μg/L	0.50	0.50	
93	p-Isopropyltoluene	NÐ	μg/L	0.50	0.50	
94	n-Butylbenzene	ND	µg/L	0.50	0.50	
96	Naphthalene	ND	µg/L	0.50	0.50	
	Hexachlorobutadiene	ND	µg/L	0.50	0.50	
98	1,2,3-Trichlorobenzene	ND	μg/L	0.50	0.50	
102	EDB	ND	μg/L	0.50	0.02	0.05
103	DBCP	ND	μg/L	0.50	0.04	0.20
	Methyl Tert-Butyl Ether	ND	μg/L	0.50	0.50	

Approved By:

THIS INFORMAT	THIS INFORMATION WILL BE FOR REPORTING RILLING. (SEE BELOW)	NG: (SEE BEROM)		CHAIN OF CUSTODY RECORD	<b>TODY RE</b>	CORD				A	15 W.	15 W. Yakima Ave.	Ave.	
CLIENT	PLSA Engineering & Surveying	Surveying	,								Ste. 210	0		
, ADDRESS	<b>1120 West Lincoln</b>			T	71 V 1 V	200			J.		Yakin	Yakima, WA 98902	98902	-
	Yakima, WA 98902		WORK O	WORK ORDER ID # LLJAI 4000	LOA14			,	J	λ	(60c)	(209) 575 – 3999	, ,	
ATTENTION .	Scott		PAGE	<u>1</u> oF					TESTS TC	TESTS TO PERFORM				
PROJECT NAME.	Tidrick			13	1									
PROJECT CONTACT	- Scott			2345 - C	· · · ·		••••	America - A						
TELEPHONE	<u>509-575-6990 FAX: 5</u>	FAX: 509-575-6993		WININ 10 TIOS	m	0978							1	
Sampled By:	SDG	bi van van sere tekster in de sere ander sere en sere e		2 UN PU UN P	T UN ANDIN	Don								
LAB SA#	SMMPLE ID / LOCATION	DATE TIME	THEN	CD A	'o. ``	· · · ·	na a na a a a a a a a a a a a a a a a a	A and a second					OBSERVATIONS. MMENTS SPECIAL	5 - A-
	141120-W2	11-20 1345	W 4 2	11 . 54	×								INSTRUCTIONS	
	141120-W3		×   ×	1	<									
			uipn)	1		-								
			işni İ		-									ſ
				<u>5</u>										
							· · · · · · · · · · · · · · · · · · ·							T
		-			-								-	
				-			· · ·	·		-	• • •	-		
												-		
										•		æ		1
	and a second second second second second second second second second second second second second second second													1
						¹						,		T
			-	-										
-										·····				1
A. A slandard tumarou	A slandard tumaround time is assumed unless otherwise marked, B.	ed. B. The taboratory may not	not he verve	this for micros										17
SN	INSTRUCTIONS		NGINFORME	INFORMATION VEB DISSECTATION OF THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR THE RELEASED FOR T	and and a c	r samples rec	ened with less the	an 50% of the a	nalyziczeł hokć n	me remaining	L Please contr	ici the laborator	intervention without a measure of the second with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information, intervention of the second second second second second second second second second second second second second second second second second second second second second second second second second second s	ç
1. USE ONE LINE I 2. BE SPECIFIC IN	1. USE ONE LINE PER SAMPLE. 2. BE SPECIFIC IN TEST REQUESTS.	Same		ADDRESS					RUSH TURNAROUND IS	NAROUI	SI ON	TOTAL NO. OF	IO. OF CONTAINERS	2.72
3. CHECK OFF TEX FOR EACH SAM	STS TO BE PERFORMED	And a second second second second second second second second second second second second second second second		CITY STATE ZIP	5.2IP	*****	tinis a character and printing and print	• • •	SUBJECT TO PRIOR	T TO PRIC		5		1
	RELIVOUISHED BY /SIGN_AND SEVEN	高いたいには彼られた	DATE					A T	LABORATORY APPROVAL	R APPR		<u>M</u> Std. 10-14	🗴 Std. 10-14 Business Days	
			1-2 C)			CENED /	CNA NOIS) 28	PRINT)			A DATE AND	J 3-Day Ri	3-Day Rush – 100%	
Je.	at I alm		122/	$\mathbf{k}$	A	$\langle      $	$\langle \rangle$				2-1	] 1 week F	1 week Rush – 80% `	
٥.				N	À.		an	e vedan men en en el el en en en en			7			
Finance channel within or	AND THAT WE REAL WAR ARE AND AND AND AND AND AND AND AND AND AND				e la superior de la company de la company de la company de la company de la company de la company de la company		ann mannin feann ann a mar a sair a		1					<b> </b>

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

#### **Analytical Results Report**

Sample Number Client Sample ID Matrix Comments	141203033-001 /5205 Water		Sampling Da Sampling Ti		11/20/2014 1:45 PM		Time Rece action Date		11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifier
Diesel		<0.63	mg/L	0.63	12/9/2	014	KFG	WATPH-HCID	
Gasoline		<0.25	mg/L	0.25	12/9/2	014	KFG	WATPH-HCID	
Lube Oil		<0.63	mg/L	0.63	12/9/2	014	KFG	WATPH-HCID	
			Surrog	ate Da	ta				
ample Number	141203033-001		<u> </u>		···· · - · · · · · · ·		<u>_</u>	<u> </u>	
Surrogate S	Standard		Method	ł		Perce	nt Recovery	Control L	imits
hexacosane	hexacosane		WATPH		108.8			50-150	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

...

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:VALLEY ENVIRONMENTAL LABBatch #:141203033Address:15 W. YAKIMA AVE STE210Project Name:HCID / VOCYAKIMA, WA 98901YAKIMA OSBORNEFrom the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the

#### **Analytical Results Report**

Sample Number Client Sample ID Natrix Comments	141203033-001 5205 Water		Sampling Date Sampling Tim		11/20/2014 1:45 PM	Date/Time I	Received	1 <b>2/2/</b> 2014	11:50 AM
Parameter		Result	Units	PQL	Analysis D	ate Ana	lyst	Method	Qualifie
1,1,1,2-Tetrack	hloroethane	ND	ug/L	0.5	12/4/201	14 SA	T EF	PA 8260B	
1,1,1-Trichloro	ethane	ND	ug/L	0.5	12/4/201	14 SA	T EF	PA 8260B	
1,1,2,2-Tetracl	hloroethane	ND	ug/L	0.5	12/4/201	14 SA	T EF	A 8260B	
1,1,2-Trichloro	ethane	ND	ug/L	0.5	12/4/201	14 SA	T EF	PA 8260B	
1,1-Dichloroet	hane	ND	ug/L	0.5	12/4/201	14 SA	T EF	PA 8260B	
1,1-Dichloroet	hene	ND	ug/L	0.5	12/4/20	14 SA	T EF	PA 8260B	
1,1-dichloropro	opene	ND	ug/L	0.5	12/4/20	14 SA	AT EF	PA 8260B	
1,2,3-Trichloro	benzene	ND	ug/L	0.5	12/4/20	14 SA	T EF	PA 8260B	
1,2,3-Trichloro	propane	ND	ug/L	0.5	12/4/201	14 SA	AT EF	PA 8260B	
1,2,4-Trichloro	benzene	ND	ug/L	0.5	12/4/20	14 SA	AT ÉF	PA 8260B	
1,2,4-Trimethy	lbenzene	ND	ug/L	0.5	12/4/20	14 SA	AT EF	PA 8260B	
1,2-Dibromo-3	-chloropropane(DBCP)	ND	ug/L	0.5	12/4/20	14 SA	AT EF	PA 8260B	
1,2-Dlbromoet	lhane	ND	ug/L	0,5	12/4/20	14 S/	λT EF	PA 8260B	
1,2-Dichlorobe	enzene	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
1,2-Dichloroet	hane	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
1,2-Dichloropr	opane	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
1,3,5-Trimethy	lbenzene	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
1,3-Dichlorobe	enzene	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
1,3-Dichloropr	ropane	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
1,4-Dichlorobe	enzene	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
2,2-Dichloropr	ropane	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
2-Chlorotoluer	ne	NÐ	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
2-hexanone		ND	ug/L	2.5	12/4/20	14 S/	AT EI	PA 8260B	
4-Chlorotoluer	ne	ND	ug/L	0.5	12/4/20	14 S/	AT EI	PA 8260B	
Acetone		ND	ug/L	2.5	12/4/20	14 S/	AT E	PA 8260B	
Acrylonitrile		ND	ug/L	0.5	12/4/20	14 S/	AT E	PA 8260B	
Benzene		ND	ug/L	0.5	12/4/20	14 S/	AT E	PA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-092; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Attn: DARA OSBORNE 
 Batch #:
 141203033

 Project Name:
 HCID / VOC

**Analytical Results Report** 

Sample Number141203033-001Client Sample ID5205MatrixWaterComments		Sampling Da Sampling Ti		11/20/2014 Date 1:45 PM	/Time Recei	ved 12/2/2014	11:50 AM
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromochloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromodichloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromoform	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromomethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chioroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chloroform	3.00	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	1.10	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Dibromomethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Naphthalene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
n-Butylbenzene	ND	ug/L	0,5	12/4/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID08013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA0D169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

#### **Analytical Results Report**

Sample Number Client Sample ID Matrix Comments	141203033-001 5205 Water		Sampling Di Sampling Ti		11/20/2014 D 1:45 PM	ate/Time Recel	ved 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Dat	e Analyst	Method	Qualifie
p-isopropyltolue	ne	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
sec-Butylbenzen	e	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Styrene		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
tert-Butylbenzen	e	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Tetrachloroether	ié	2.46	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Toluene		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
trans-1,2-Dichlor	oethene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
trans-1,3-Dichtor	opropene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Trichloroethene		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Trichloroflourom	ethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	

le Number 141203033-001				
Surrogate Standard	Method	Percent Recovery	<b>Control Limits</b>	
1,2-Dichlorobenzene-d4	EPA 8260B	101.6	70-130	
4-Bromofluorobenzene	EPA 8260B	102.4	70-130	
Toluene-d8	EPA 8260B	95.6	70-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT;CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871089

141203033-001

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	
	YAKIMA, WA 98901	•	
Attn:	DARA OSBORNE		

### **Analytical Results Report**

Quality Control Data

### Lab Control Sample

Parameter Trichloroethene Toluene Tetrachloroethene o-Xylene Ethylbenzene Chlorobenzene Benzene	LCS Result 9.85 10.2 9.66 11.6 10.8 10.5 9.79	Units ug/L ug/L ug/L ug/L ug/L ug/L	LCS Spike 10 10 10 10 10 10 10	%Rec 98.5 102.0 96.6 116.0 108.0 105.0 97.9	AR %Rec 72-125 76-123 64-132 83-117 84-115 85-115 75-125	Prep Date 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014	Analysis Date 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014 12/4/2014
Benzene 1,1-Dichloroethene	9.79 9.70	ug/L ug/L	10 10	97.9 97.0	75-125 68-127		

#### Lab Control Sample Duplicate

Parameter	LCSD Result	Units	LCSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Trichloroethene	9.79	ug/L	10	97.9	0.6	0-20	12/4/2014	12/4/2014
Toluene	10.2	ug/L	10	102.0	0.0	0-20	12/4/2014	12/4/2014
Tetrachloroethene	9.64	ug/L	10	96.4	0.2	0-20	12/4/2014	12/4/2014
o-Xylene	11.5	ug/L	10	115.0	0.9	0-20	12/4/2014	12/4/2014
Ethylbenzene	10.7	ug/L	10	107.0	0.9	0-20	12/4/2014	12/4/2014
Chlorobenzene	10.5	ug/L	10	105.0	0.0	0-20	12/4/2014	12/4/2014
Benzene	9.74	ug/L	10	97.4	0.5	0-20	12/4/2014	
1,1-Dichloroethene	9.14	ug/L	10	91.4	5.9	0-20	12/4/2014	12/4/2014 12/4/2014

#### Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
141203033-001	Trichloroethene	ND	10.5	ug/L	10	105.0	56-143	12/4/2014	12/4/2014
141203033-001	Toluene	ND	10.5	ug/L	10	105.0	66-136	12/4/2014	12/4/2014
141203033-001	Tetrachloroethene	2.46	13.5	ug/L	10	110.4	64-132	12/4/2014	12/4/2014
141203033-001	o-Xylene	ND	12.0	ug/L	10	120.0	68-134	12/4/2014	12/4/2014
141203033-001	Ethylbenzene	ND	11.1	ug/L	10	111.0	70-137	12/4/2014	12/4/2014
141203033-001	Chlorobenzene	ND	10.9	ug/L	10	109.0	68-136	12/4/2014	12/4/2014

#### **Comments:**

Certifications held by Anatek Labs ID: EPA:ID00013: AZ:0701; CO:ID00013: FL(NELAP):E87693; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099 ł

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033			
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC			
	YAKIMA, WA 98901					
Attn:	DARA OSBORNE					
Analytical Basults Papart						

### Analytical Results Report

Quality Control Data

Matrix Spike		Sample	MS		MS		AR		
Sample Number	Parameter	Result	Result	Units	Spike	%Rec		Prep Date	Analysis Date
141203033-001	Benzene	ND	10.0	ug/L	10	100.0	63-139	12/4/2014	12/4/2014
141203033-001	1,1-Dichloroethene	ND	10.1	ug/L	10	101.0	59-144	12/4/2014	12/4/2014

Method Blank					
Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,1,1-Trichloroethane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,1,2,2-Tetrachloroethane	ND	ug/L	0,5	12/4/2014	12/4/2014
1,1,2-Trichloroethane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,1-Dichloroethane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,1-Dichloroethene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,1-dichloropropene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2,3-Trichlorobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2,3-Trichloropropane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2,4-Trichlorobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2,4-Trimethylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2-Dibromoethane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2-Dichlorobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,2-Dichloroethane	ND	ug/L	0.5	1 <b>2/4</b> /2014	12/4/2014
1,2-Dichloropropane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,3,5-Trimethylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,3-Dichlorobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
1,3-Dichloropropane	ND	ug/L	0.5	12/4/2014	12/4/2014
1,4-Dichlorobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
2,2-Dichloropropane	ND	ug/L	0.5	12/4/2014	12/4/2014
2-Chiorotoluene	ND	ug/L	0.5	12/4/2014	1 <b>2/4</b> /2014
2-hexanone	ND	ug/L	2.5	12/4/2014	1 <b>2/4/2</b> 014
4-Chlorotoluene	ND	ug/L	0.5	12/4/2014	12/4/2014
Acetone	ND	ug/L	2.5	12/4/2014	12/4/2014
Acrylonitríle	ND	ug/L	0.5	12/4/2014	12/4/2014

#### Comments:

Gertifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E07693; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

#### **Analytical Results Report**

**Quality Control Data** 

Method Blank					
Parameter	Result	Units	PQL	Prep Date	Analysis Date
Benzene	ND	ug/L	0.5	12/4/2014	12/4/2014
Bromobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
Bromochloromethane	NÐ	ug/L	0.5	12/4/2014	12/4/2014
Bromodichloromethane	ND	ug/L	0.5	12/4/2014	12/4/2014
Bromoform	ND	ug/L	0.5	12/4/2014	12/4/2014
Bromomethane	NĎ	ug/L	0.5	12/4/2014	12/4/2014
Carbon disulfide	ND	ug/L	0.5	12/4/2014	12/4/2014
Carbon Tetrachloride	ND	ug/L	0.5	12/4/2014	12/4/2014
Chlorobenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
Chloroethane	ND	ug/L	0.5	12/4/2014	12/4/2014
Chloroform	ND	ug/L	0.5	12/4/2014	12/4/2014
Chloromethane	ND	ug/L	0.5	12/4/2014	12/4/2014
cis-1,2-dichloroethene	ND	ug/L	0.5	12/4/2014	12/4/2014
cis-1,3-Dichloropropene	ND	ug/L	0.5	12/4/2014	12/4/2014
Dibromochloromethane	ND	ug/L	0.5	12/4/2014	12/4/2014
Dibromomethane	ND	ug/L	0.5	12/4/2014	12/4/2014
Dichlorodifluoromethane	ND	ug/L	0.5	12/4/2014	12/4/2014
Ethylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
Hexachlorobutadiene	ND	ug/L	0.5	12/4/2014	12/4/2014
Isopropylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
m+p-Xylene	ND	ug/L	0.5	12/4/2014	12/4/2014
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	12/4/2014	12/4/2014
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	12/4/2014	12/4/2014
Methylene chloride	ND	ug/L	2.5	12/4/2014	12/4/2014
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	12/4/2014	12/4/2014
Naphthalene	ND	ug/L	0.5	12/4/2014	12/4/2014
n-Butylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
n-Propylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014
o-Xylene	ND	ug/L	0.5	12/4/2014	12/4/2014
p-isopropyltoluene	ND	ug/L	0.5	12/4/2014	12/4/2014
sec-Butylbenzene	NÐ	ug/L	0.5	12/4/2014	12/4/2014
Styrene	ND	ug/L	0.5	12/4/2014	12/4/2014
tert-Butylbenzene	ND	ug/L	0.5	12/4/2014	12/4/2014

#### Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		
	Analytical Results R	anart	

### Analytical Results Report

Quality Control Data

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Tetrachloroethene	ND	ug/L	0.5	12/4/2014	12/4/2014
Toluene	NĎ	ug/L	0.5	12/4/2014	12/4/2014
trans-1,2-Dichloroethene	ND	ug/L	0.5	12/4/2014	12/4/2014
trans-1,3-Dichloropropene	ND	ug/L	0.5	12/4/2014	12/4/2014
Trichloroethene	ND	ug/L	0.5	12/4/2014	12/4/2014
Trichloroflouromethane	ND	ug/L	0.5	12/4/2014	12/4/2014
Vinyl Chloride	ND	ug/L	0,5	12/4/2014	12/4/2014

AR Acceptable Range

ND Not Detected

PQL Practical Quantitation Limit

RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0025; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

### Analytical Results Report

Quality Control Data

Lab Control Sample								
Parameter	LCS Result	t 1	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Diesel	0.276		mg/L	0.5	55.2	50-150	12/3/2014	12/9/2014
Lab Control Sample Duplicate			. <u>.</u>					······
Parameter	LCSD Result	Units	LCS		%RPD		Bran Defe	Analysia Data
Diesel	0.303	mg/L	Spik 0.5		9.3	) %RPD 0-50	Prep Date 12/3/2014	Analysis Date 12/9/2014
		- THE STATE						12/3/2014
Method Blank								
Parameter			Result	U	nits	PQL	Prep Date	Analysis Date
Diesel			ND	п	ıg/L	0.1	12/3/2014	12/9/2014
Lube Oil			ND	r	ng/L	0.5	12/3/2014	12/9/2014

AR Acceptable Range

ND Not Detected

PQL Practical Quantitation Limit

RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

### Login Report

Customer Name: VALLEY ENVIRONM 15 W. YAKIMA AVE S YAKIMA Contact Name: DARA OSBORNE	STE210	AB /A 98901	Order ID Order Date Project Name: HCID	: 12/3/2014
Comment:				
Sample #: 141203033-001 Customer Samp	ole#: 52(	05	ang ang ang ang ang ang ang ang ang ang	
	ector: 2014 11:50:(	00 AM	Date Collected: 11/20 Time Collected: 1:45	/2014 PM
Test	Lab	Method	Due Date	Priority
HCID	М	WATPH-HCID		Normal (~10 Days)
VOLATILES 8260	М	EPA 8260B		Normal (~10 Days)
<u>.</u>	ole #: 520 ector: 2014 11:50:0		Date Collected: 11/20 Time Collected: 2:05 F	/2014 ⊃M
Test	Lab	Method	Due Date	Priority
HCID	М	WATPH-HCID	12/15/2014	Normal (~10 Days)
VOLATILES 8260	М	EPA 8260B	12/15/2014	Normal (~10 Davs)
Sample #: 141203033-003 Customer Samp	le#: TRI	P BLANK 5205		ana 1914 - Januar Andrewski, propriodal († 1946) 1999 - Januar Maria, skriger († 1946)
	ector: 2014 11:50:0	00 AM	Date Collected: 11/20 Time Collected:	/2014
Test	Lab	Method	Due Date f	Priority
VOLATILES 8260	М	EPA 8260B	12/15/2014	Normal (~10 Davs)

	-1.127 -
S3 VAEL bast 12 I201201 1st RCVD Bast 12 I201201 1st RCVD HINDPEC International Comparison Control of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of the table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table	<ul> <li>24-40 Hrs. 100% Rush</li> <li>2 3-Day Rush - 80%</li> <li>4 week Rush - 50%</li> </ul>
141203 0: 141203 0: 141203 0: 111 Standard Contraction of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	
AN OF CUSTODY RECORD	
Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Children Chi	
CLUENT CLIENT PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTORS PORTO	How we want to be a set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the se

.

et de la companya de la companya de la companya de la companya de la companya de la companya de la companya de

#### Customer Name: VALLEY ENVIRONMENTAL LAB Order ID: 141203033 15 W. YAKIMA AVE STE210 **Order Date:** 12/3/2014 YAKIMA WA 98901 Contact Name: DARA OSBORNE Project Name: HCID / VOC Comment: Sample #: 141203033-004 Customer Sample #: **TRIP BLANK 5206** Recv'd: V Matrix: Water Collector: **Date Collected:** 11/20/2014 Quantity: 1 Date Received: 12/2/2014 11:50:00 AM Time Collected: Comment: Test Lab Method Due Date Priority VOLATILES 8260 М EPA 82608 12/15/2014 Normal (~10 Days) SAMPLE CONDITION RECORD Samples received in a cooler? Yes Samples received intact? Yes What is the temperature inside the cooler? 2.9 Samples received with a COC? Yes Samples received within holding time? Yes Are all sample bottles properly preserved? No Are VOC samples free of headspace? Yes Is there a trip blank to accompany VOC samples? Yes Labels and chain agree? Yes

### VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

**NWTPH-HCID** 

	Date Collected:	11/20/14							
	Lab/Sample No:	the second second second second second second second second second second second second second second second se			C	County:	YAKIMA		
	Sample Location:	141120-W	3	<b>.</b>		<u> </u>			
		· · · · · · · · · · · · · · · · · · ·					11/21/14		
a san ang san ang san ang san ang san ang san ang san ang san ang san ang san ang san ang san ang san ang san a San ang san ang				<u> </u>			12/15/14		
in d	l Report To:				ole Collect LE COMM		and the second second second second second second second second second second second second second second secon	<b>XX</b> 7 4	
senu	PLSA Engineering		· · · · ·	SAMP	LE COMIN	<u>ENIS</u>	Matrix	: Water	
	Attn: Scott Garland			Tidrie	ek				
	1120 West Lincoln Avenue								
	Yakima, WA 98902								
	waa ah ah ah ah ah ah ah ah ah ah ah ah a			<u> </u>					
	NWTPH-HCID			<u> </u>		· · · · · · · · · · · · · · · · · · ·		·	
H#	Analytes	Results	Units	MRL	Trigger	MCL		Analyzed	
	Hydrocarbon ID	NONE					WATPH-HCID	12/09/14	125
	% Surrogate Recovery	105	%				( 50 - 150)	12/09/14	125
	Diesel Gasoline	<0.63 <0.25	mg/L	0.63			WATPH-HCID	12/09/14	125
	Lube Oil	<0.25	mg/L mg/L	0.25			WATPH-HCID WATPH-HCID	12/09/14 12/09/14	125 125
	QC ID	Units	Diesel Results	True Value	% Recovery	Limits	% RPD		
	LCS (lab Control Sample)	mg/L	0.276	0.5	55.2	50-150			
	MB (method blank)	mg/L	ND	ND		ļ			
	LCSD(Lab Control Sample Duplicate	mg/L	0.3	0.5	60.6	0-50	9.3		
i	MRL (Method Reporting Level): Indicate Trigger: DOH Drinking Water response leven MCL (maximum contaminant level): Hig ND (Not Detected): Indicates this compour	vel. Public Syste hest level recom	ems in excess of mended by the f	this level mu ederal govern	ist take addition ment for publi	nal samples c water sys	s. Recommended range tems.	on packages.	

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

05206-hcid

### VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345 VOLATILE ORGANIC CHEMICALS (VOCs) ANALYSIS REPORT

Lab/Sample No:	227-05206	Date C	ollected:	11/20/14			
Date Received:	11/21/14	Date R	eported:	12/15/14		Supervisor	: DCO
		Date A	nalyzed:	12/04/14		Analyst	
			pled By:				
Sample Location:	141120-W3		÷			Invoice#	: 28371
Send Report To:			Sample	e Informa	tion	Matrix	: Water
PLSA Engineering					· · · · · · · · · · · · · · · · · · ·		
Attn: Scott Garland			Tidrio	CK			
1120 West Lincoln Avenue							
Yakima, WA 98902							
Volatile Organic Chemical	<u>s</u>				·	<u></u>	
OH# Analytes	Results	Units	MRL	Trigger	MCL	Excee	ds?
BPA REGULATION			n an			Trigger?	MCL?
45 Vinyl chloride	ND	μg/L	0.50	0.50	2.0	N	N
46 1,1-Dichloroethylene	ND	μg/L	0.50	0.50	7.0	N	N
47 1,1,1-Trichloroethane	ND	μg/L	0.50	0.50	200	N	N
48 Carbon tetrachloride	ND	μg/L	0.50	0.50	5.0	N	N
49 Benzene	ND	μg/L	0.50	0.50	5.0	N	N
50 1,2-Dichloroethane	ND	μg/L	0.50	0.50	5.0	N	N
51 Trichloroethylene	ND	μg/L	0.50	0.50	5.0	N	N
52 1,4-Dichlorobenzene	ND	μg/L	0.50	0.50	75	N	N
56 Dichloromethane	ND	μg/L	0.50	0.50	5.0	N	N
57 trans-1,2-Dichloroethylene	ND	μg/L	0.50	0.50	100	Ν	N
60 cis-1,2-Dichloroethylene	ND	μg/L	0.50	0.50	70	N	N
63 1,2-Dichloropropane	0.94	μg/L	0.50	0.50	5.0	N	N
66 Toluene	ND	μg/L	0.50	0.50	1000	N	N
67 1,1,2-Trichloroethane	ND	μg/L	0.50	0.50	5.0	N	N
68 Tetrachloroethene	2.23	μg/L	0.50	0.50	5.0	N	N
71 Chlorobenzene	ND	μg/L	0.50	0.50	100	N	N
73 Ethylbenzene	ND	μg/L	0.50	0.50	700	N	N
76 Styrene	ND	μg/L	0.50	0.50	100	N	N
84 1,2-Dichlorobenzene	ND	μg/L	0.50	0.50	600	N	N
95 1,2,4-Trichlorobenzene	ND	μg/L	0.50	0.50	70	N	N
160 Total Xylenes	ND	μg/L	0.50	0.50	10000	N	N
74 m,p-Xylenes (MCL for Total)	ND	μg/L	0.50	0.50	ļl .	N	N
75 o-Xylene (MCL for Total)	ND -	μg/L	0.50	0.50		N	N

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

05206-voc

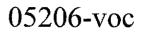
MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

### VALLEY Environmental Laboratory Washington State Certified Lab #227 - DOE Accredited Lab C345

	Lab Sample No:	22705206	VOC's Analysis Report - Page 2					
DOH#	Analytes	Results	Units	SRL	Trigger	MCL		
	EPA UNRICOULATED							
27	Chloroform	2.79	μg/L	0.50				
28	Bromodichloromethane	ND	μg/L	0.50				
29	Dibromochloromethane	ND	μg/L	0.50				
30	Bromoform	ND	μg/L	0.50				
53	Chloromethane	ND	µg/L	0.50	0.50			
54	Bromomethane	ND	μg/L	0.50	0.50			
55	Chloroethane	ND	μg/L	0.50	0.50			
58	1,1-Dichloroethane	ND	μg/L	0.50	0.50			
59	2,2-Dichloropropane	ND	µg/L	0.50	0.50			
62	1,1-Dichloropropene	ND	μg/L	0.50	0.50			
64	Dibromomethane	ND	μg/L	0.50	0.50			
70	1,3-Dichloropropane	ND	μg/L	0.50	0.50			
70	1,1,1,2-Tetrachloroethane	ND ND						
72	Bromobenzene	ND ND	μg/L μg/L	0.50	0.50			
78	1,2,3-Trichloropropane	ND ND	$\frac{\mu g/L}{\mu g/L}$	0.50	0.50			
80	1,1,2,2-Tetrachloroethane	ND	μg/L μg/L	0.50	0.50			
81	o-Chlorotoluene	ND	μg/L μg/L	0.50	0.50			
82	p-Chlorotoluene	ND	μg/L μg/L	0.50	0.50			
83	m-Dichlorobenzene	ND	μg/L μg/L	0.50	0.50			
104	Dichlorodifluoromethane	ND	μg/L μg/L	0.50	0.50			
	STATEUNREGULATED		<u> </u>	0.50	0.50			
65	cis-1,3-Dichloropropene	ND	μg/L	0.50	0.50			
69	trans-1,3-Dichloropropene	ND	μg/L	0.50	0.50			
85	Fluorotrichloromethane	ND	μg/L	0.50	0.50			
86	Bromochloromethane	ND	μg/L	0.50	0.50			
87	Isopropylbenzene	ND	μg/L	0.50	0.50			
88	n-Propylbenzene	ND	μg/L	0,50	0.50			
89	1,3,5-Trimethylbenzene	ND	μg/L	0.50	0.50			
90	tert-Butylbenzene	ND	μg/L	0.50	0.50			
91	1,2,4-Trimethylbenzene	ND	μg/L	0.50	0.50			
92	sec-Butylbenzene	ND	μg/L	0.50	0.50			
93	p-Isopropyltoluene	ND	µg/L	0.50	0.50	·_ ·_ ·_ ·		
94	n-Butylbenzene	ND	μg/L	0.50	0.50			
96	Naphthalene	ND	μg/L	0.50	0.50	. /		
97	Hexachlorobutadiene	ND	μg/L	0.50	0.50			
98	1,2,3-Trichlorobenzene	ND	μg/L	0.50	0.50			
102	EDB	ND	μg/L	0.50	0.02	0.05		
103	DBCP	ND	µg/L	0.50	0.04	0.20		
1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Methyl Tert-Butyl Ether	ND	μg/L	0.50	0.50			

Approved By:



1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	141203033
Address:	15 W. YAKIMA AVE STE210	Project Name:	HCID / VOC
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

#### **Analytical Results Report**

Sample Number Client Sample ID Matrix Comments	141203033-002 5206 Water		Sampling Da Sampling Ti		11/20/2014 2:05 PM		/Time Rece action Date		11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifier
Diesel		<0.63	mg/L	0.63	12/9/20	014	KFG	WATPH-HCID	
Gasoline		<0.25	mg/L	0.25	12/9/20	014	KFG	WATPH-HCID	
Lube Oil		<0.63	mg/L	0.63	12/9/20	014	KFG	WATPH-HCID	
			Surrog	ate Da	ta				
ample Number	141203033-002								
Surrogate S	tandard		Method	I		Percei	nt Recovery	Control I	.imits

WATPH-HCID

105.0

Authorized Signature

hexacosane

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERY0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

50-150

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

 Batch #:
 141203033

 Project Name:
 HCID / VOC

#### **Analytical Results Report**

Sample Number 141203033-002 Client Sample ID :5206 Matrix Water Comments		Sampling D Sampling Ti		11/20/2014 Date 2:05 PM	/Time Receiv	ved 12/2/2014	11;50 AM
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,1,2-Trichloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,1-dichloropropene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2,3-Trichloropropane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2-Dichlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,2-Dichloropropane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,3-Dichlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,3-Dichloropropane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
1,4-Dichlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
2,2-Dichloropropane	ND	ug/L	0,5	12/4/2014	SAT	EPA 8260B	
2-Chlorotoluene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
2-hexanorie	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
4-Chlorotoluene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Acetone	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
Acrylonitrile	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Benzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; A2:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C595; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, iD 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anatekiabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anatekiabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

 Batch #:
 141203033

 Project Name:
 HCID / VOC

### **Analytical Results Report**

Sample Number 141203033-002 Client Sample ID 5206 Natrix Water Comments		Sampling Date Sampling Time		11/20/2014 Da 2:05 PM	ate/Time Received 12/2/2014		11:50 AM
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromodichloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromoform	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Bromomethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Carbon Tetrachloride	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chloroethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chloroform	2.79	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
cis-1,2-dichloroethene	0.94	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
cis-1,3-Dichloropropene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Dibromochloromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Dibromomethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Dichlorodifluoromethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Hexachlorobutadiene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Isopropylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
Methyi isobutyi ketone (MIBK)	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	12/4/2014	SAT	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Naphthalene	ND	ug/L	0.5	12/4/2014	SAT		
n-Bulylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
n-Propylbenzene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	12/4/2014		EPA 8260B	
p-isopropyltoluene	ND	ug/L	0.5	12/4/2014	SAT SAT	EPA 8260B EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: VALLEY ENVIRONMENTAL LAB Address: 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901 Attn: DARA OSBORNE

Batch #: 1412
Project Name: HCII

141203033 HCID / VOC

### **Analytical Results Report**

ample Number ient Sample ID atrix omments	141203033-002 5206 Water		Sampling Date Sampling Time		11/20/2014 2:05 PM	Date/Time Rece	11:50 AM	
Parameter		Result	Units	PQL	Analysis Da	ite Analyst	Method	Quality
sec-Butylbenze	ne	ND	ug/L	0.5	12/4/2014		EPA 8260B	Qualifie
Styrene		ND	ug/L	0.5	12/4/2014		EPA 8260B	
tert-Butylbenze	ne	ND	ug/L	0.5	12/4/2014		EPA 8260B	
Tetrachloroethe	ne	2.23	ug/L	0.5	12/4/2014		EPA 8260B	
Toluene		ND	ug/L	0.5	12/4/2014		EPA 8260B	
Irans-1,2-Dichlo	roethene	ND	ug/L	0.5	12/4/2014	0/11		
trans-1,3-Dichlo	ropropene	ND	ug/L	0.5	12/4/2014		EPA 8260B	
Trichloroethene		NÐ	ug/L	0.5	12/4/2014		EPA 8260B	
Trichloroflouron	ethane	ND	ug/L	0.5	12/4/2014		EPA 8260B	
Vinyl Chloride		ND	ug/L	0.5	12/4/2014		EPA 8260B EPA 8260B	

Sample Number	141203033-002			
Surrogate 3 1,2-Dichlorc 4-Bromofluc Toluene-d8	benzene-d4	Method EPA 8260B EPA 8260B EPA 8260B	Percent Recovery 101.6 101.2 95.6	Control Limits 70-130 70-130 70-130 70-130

Surrogate Data

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C595; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive · Moscow, ID 83843 · (208) 883-2839 · Fax (208) 882-9246 · email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

141203033 Batch #: Project Name:

HCID / VOC

### **Analytical Results Report**

Sample Number Client Sample ID Aatrix Comments	141203033-003 TRIP BLANK 5205 Water		Sampling Da Sampling Ti		11/20/2014	Date	/Time Receiv	<b>ved</b> 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifie
1,1,1,2-Tetrack	nloroethane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1,1-Trichloro	ethane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1,2,2-Tetracl	nloroethane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1,2-Trichloro	ethane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1-Dichloroeth	nane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1-Dichloroeti	nene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1-dichloropro	opene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,3-Trichloro	benzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,3-Trichloro	propane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,4-Trichloro	benzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,4-Trimethy	lbenzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dibromo-3	-chloropropane(DBCP)	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
1,2-Dibromoet	hane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dichlorobe	nzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dichloroetl	hane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dichloropre	opane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,3,5-Trimethy	lbenzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,3-Dichlorobe	nzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,3-Dichloropr	opane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,4-Dichlorobe	nzene	ND	ug/L	0,5	12/4/20	)14	SAT	EPA 8260B	
2,2-Dichloropr	opane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
2-Chlorotoluen	le	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
2-hexanone		ND	ug/L	2.5	12/4/20	)14	SAT	EPA 8260B	
4-Chlorotoluen	IE	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Acetone		15.8	ug/L	2.5	12/4/20	)14	SAT	EPA 8260B	
Acrylonitrile		ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Benzene		ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Bromobenzen	9	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID08013; FL(NELAP):E87693; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D · Spokane WA 99202 · (509) 838-3999 · Fax (509) 838-4433 · email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 141203033 Project Name:

HCID / VOC

### **Analytical Results Report**

Sample Number Client Sample ID Aatrix Comments	141203033-003 TRIP BLANK 5205 Water		Sampling Da Sampling Ti		11/20/2014	Date	/Time Receiv	/ed: 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifie
Bromochlorom	ethane	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	· · · · ·
Bromodichloro	methane	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Bromoform		ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Bromomethane	9	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Carbon disulfid	le	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Carbon Tetrac	hloride	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Chlorobenzene	<b>;</b>	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Chloroethane		ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Chloroform		ND	ug/L	0,5	12/4/20	014	SAT	EPA 8260B	
Chloromethan	ð	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
cis-1,2-dichlord	bethene	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
cis-1,3-Dichlor	opropene	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Dibromochloro	methane	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Dibromometha	ne	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Dichlorodifluor	omethane	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
Ethylbenzene		ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Hexachlorobut	adiene	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
Isopropylbenze	ene	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
m+p-Xylene		ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
Methyl ethyl ke	tone (MEK)	ND	ug/L	2.5	12/4/20	014	SAT	EPA 8260B	
Methyl isobutyl	ketone (MIBK)	ND	ug/L	2.5	12/4/20	014	SAT	EPA 8260B	
Methylene chlo	ride	ND	ug/L	2.5	12/4/20	014	SAT	EPA 8260B	
methyl-t-butyl e	ther (MTBE)	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
Naphthalene		ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
n-Butylbenzene	9	ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
n-Propylbenzer	10	ND	սց/Լ	0.5	12/4/20	014	SAT	EPA 8260B	
o-Xylene		ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
p-isopropyltolu	ene	ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C595; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

> 141203033 HCID / VOC

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:
Address:	15 W. YAKIMA AVE STE210	Project Name:
	YAKIMA, WA 98901	-
Attn:	DARA OSBORNE	

#### **Analytical Results Report**

Sample Number Client Sample ID Matrix Comments	141203033-003 TRIP BLANK 5205 Water		Sampling D Sampling Ti		11/20/2014 D	ate/Time Rece	ived 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Dat	e Analyst	Method	Qualifie
sec-Butylbenze	ene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Styrene		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
tert-Butylbenze	ne	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Tetrachloroethe	e	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Toluene		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
trans-1,2-Dichk	proethene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
trans-1,3-Dichle	propropene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Trichloroethene	)	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Trichloroflouron	nethane	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Vinyl Chloride		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	

Sample Number 141203033-003		· · · · · · · · · · · · · · · · · · ·	
Surrogate Standard 1,2-Dichlorobenzene-d4 4-Bromofluorobenzene Toluene-d8	Method EPA 8260B EPA 8260B EPA 8260B	Percent Recovery 101.2 100.8 95.6	Control Limits 70-130 70-130 70-130 70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

. .

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 141203033 Project Name: HCID / VOC

#### **Analytical Results Report**

ample Number lient Sample ID atrix omments	141203033-004 TRIP BLANK 5206 Water		Sampling Da Sampling Ti		11/20/2014	Date	/Time Receiv	ed 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifie
1,1,1,2-Tetrack	loroethane	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
1,1,1-Trichloro	ethane	ND	ug/L	0.5	12/4/2	014	SAT	EPA 8260B	
1,1,2,2-Tetrack	nioroethane	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
1,1,2-Trichloro	ethane	ND	ug/L	0.5	12/4/20	014	SAT	EPA 8260B	
1,1-Dichloroeth	nane	ND	ug/L	0.5	12/4/20	)14	ŠAT	EPA 8260B	
1,1-Dichloroeth	lene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,1-dichloropro	pene	ND	ug/L	0.5	12/4/20	) <b>1</b> 4	SAT	EPA 8260B	
1,2,3-Trichlorol	benzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,3-Trichloro	propane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,4-Trichlorol	benzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2,4-Trimethyl	benzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dibromo-3-	-chloropropane(DBCP)	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dibromoeth	nane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dichlorober	nzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dichloroeth	iane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,2-Dichloropro	pane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,3,5-Trimethyl	benzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,3-Dichlorobei	nzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,3-Dichloropro	ppane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
1,4-Dichlorober	nzene	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
2,2-Dichloropro	pane	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
2-Chlorotoluen	e	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
2-hexanone		ND	ug/L	2.5	12/4/20	14	SAT	EPA 8260B	
4-Chlorotoluene	e	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Acetone		11.7	ug/L	2.5	12/4/20	14	SAT	EPA 8260B	
Acrylonitrile		ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Benzene		ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Bromobenzene		ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	

Certifications held by Analek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Analek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

141203033

HCID / VOC

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:
Address:	15 W. YAKIMA AVE STE210	Project Name:
	YAKIMA, WA 98901	-
Attn:	DARA OSBORNE	

### **Analytical Results Report**

imple Number lent Sample ID atrix omments	141203033-004 TRIP BLANK 5206 Water		Sampling Da Sampling Ti		11/20/2014	Date	/Time Recei	ived 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis	Date	Analyst	Method	Qualifier
Bromochlorom	ethane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Bromodichloro	methane	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Bromoform		ND	ug/L	0.5	12/4/20	<b>)14</b>	SAT	EPA 8260B	
Bromomethane	9	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Carbon disulfid	le	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Carbon Tetraci	hloride	ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Chlorobenzene	1	ND	ug/L.	0.5	12/4/20	)14	SAT	EPA 8260B	
Chloroethane		ND	ug/L	0.5	12/4/20	)14	SAT	EPA 8260B	
Chloroform		ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Chloromethane	•	ND	ug/L	0.5	12/4/20	114	SAT	EPA 8260B	
cis-1,2-dichloro	ethene	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
cis-1,3-Dichloro	propene	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Dibromochloror	methane	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Dibromomethar	ne	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Dichlorodifluoro	methane	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Ethylbenzene		ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Hexachlorobuta	diene	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
Isopropylbenze	ne	ND	ug/L	0.5	12/4/20	14	SAT	EPA 8260B	
m+p-Xylene		ND	ug/L	0,5	12/4/20	14	SAT	EPA 8260B	
Methyl ethyl ket	ione (MEK)	ND	ug/L	2.5	12/4/20	14	SAT	EPA 8260B	
Methyl isobutyl	ketone (MIBK)	ND	ug/L	2.5	12/4/20	14	SAT	EPA 8260B	
Methylene chlor	ride	ND	ug/L	2.5	12/4/20	14	SAT	EPA 8260B	
methyl-t-butyl el	lher (MTBE)	ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
Naphthalene		ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
n-Butylbenzene		ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
n-Propylbenzen	e	ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
o-Xylene		ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	
p-isopropyltolue	ne	ND	ug/L	0.5	12/4/20		SAT	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00D13; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB
Address:	15 W. YAKIMA AVE STE210
	YAKIMA, WA 98901
Attn:	DARA OSBORNE

Batch #: 141203033 Project Name:

HCID / VOC

### **Analytical Results Report**

mple Number ient Sample ID itrix mments	141203033-004 TRIP BLANK 5206 Water		Sampling D Sampling T		11/20/2014 Da	ate/Time Rece	lived 12/2/2014	11:50 AM
Parameter		Result	Units	PQL	Analysis Date	A		
sec-Butylbenze	ne	ND	ug/L_	0.5	12/4/2014		Method	Qualifier
Styrene		ND	ug/L	0.5		SAT	EPA 8260B	
tert-Butylbenzer	ne	ND	ug/L		12/4/2014	SAT	EPA 8260B	
Tetrachloroethe	ne	ND	-	0.5	12/4/2014	SAT	EPA 8260B	
Toluene		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
trans-1,2-Dichlo	roothona		ug/L	0.5	12/4/2014	SAT	EPA 8260B	
		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
trans-1,3-Dichlo	ropropene	ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	
Trichloroethene		ND	ug/L	0.5	12/4/2014			
Trichloroflourom	ethane	ND	ug/L	0.5		SAT	EPA 8260B	
Vinyl Chloride					12/4/2014	SAT	EPA 8260B	
		ND	ug/L	0.5	12/4/2014	SAT	EPA 8260B	

#### Surrogate Data

Sample Number	141203033-004		······································	······
Surrogate : 1,2-Dichloro	Standard obenzene-d4	Method EPA 8260B	Percent Recovery	Control Limits
4-Bromofluc Toluene-d8	probenzene	EPA 8260B	100.4 100.4	70-130 70-130
	······································	EPA 8260B	95.6	70-130

Authorized Signature

oln. Call John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level

ND Not Detected

PQL **Practical Quantitation Limit** 

This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

### VALLEY Environmental Laboratory

## Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Co	Nected: 07/08/14					<u> </u>				
	ple No: 227-70813		·	C	ounty:	YAKIMA				
K45 X	ocation: OWS2		Date Received: 07/08/14							
		<u></u>	1	Date Rep						
n hada-er Manazar Baharar	4		Samp	le Collect						
nd Report To:	<u> </u>			E COMM		Matrix	k: Soil	- <u></u>		
PLSA Engineering Attn: Scott Garlan 1120 West Lincoln	d Avenue	<u></u>			<u> </u>					
Yakima, WA 9890 Cadmium, Chromi										
)H# Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Anal		
Cadmium	0.890	mg/kg	0.507		T	EPA 6020A	07/23/14			
Chromium	21.7	mg/kg	0.507			EPA 6020A	07/23/14			
Nickel	21.6	mg/kg	0.507			EPA 6020A		125		
Zinc	151 123	mg/kg mg/kg	0.507	·.···		EPA 6020A EPA 6020A	07/23/14	125 125		
Trigger: DOH Drinking Wa MCL (maximum contanias	evel): Indicates the minimum ter response level. Public System (net level): Highest level recom (s) this compound was analyzed	ems in excess t mended by the	of this level m federal gover ed at a level g	ust take addition	nal sampli ic water sy qual to the	es. Recommended far /stems.				

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70813-cdcrni

### VALLEY Environmental Laboratory

# Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

<u> </u>	Date Collected		lium, Co			.,	, 	<u></u>		
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
Lab/Sample No: 227-70814 Sample Location: OWS13					County: YAKIMA					
Sample Location, Owors					Date Received: 07/08/14					
					Date Reported: 07/29/14					
					Sample Collected By: SDG					
end Report To:					E COMM	ENTS	Matrix	:: Soil	<u></u>	
PLSA	Engineering									
	Scott Garland									
1120	West Lincoln Aven	ue								
Yakin	na, WA 98902	····		<u> </u>						
Cadm	ium, Chromium, N	lickel, Zinc								
OH# Analy		Results	Units	MRL	Trigger	MCL	Method	Analyzed		
Cadmi		ND	mg/kg	0.472		i	EPA 6020A	07/23/14	<u></u>	
Chrom		17.0	mg/kg	0.472			EPA 6020A EPA 6020A	07/23/14	125	
Nickel		<u> 13.9</u> 48.6	mg/kg mg/kg	0.472			EPA 6020A	07/23/14	125	
Zinc Lead	<u></u>	3.31	mg/kg	0.507			EPA 6020A	07/23/14	125	
						1			T	
					~			f	L	
			<u></u>				;		<u> </u>	
	_,					<u> </u>			<u> </u>	
							·			
										
				4	<u> </u>					
				-						
						·	·		 -	
						ļ		·····		
						.				
			.	· · · · · · · · · · · · · · · · · · ·			<u> </u>			
			wr							
Trigger: MCL (m	lethod Reporting Level): In DOH Drinking Water respon haximum contuminant level): Detected): Indicates this con	ise level. Public Syste : Highest level recom	ems in excess o mended by the	d this level m federal gover ed at a level g	ust take addition nment for public reater than or e	onal sample ic water sy equal to the	s. Recommended ran stems.			
				A	proved By	•				
15 W \	Yakima Ave Ste 210 `	Yakima. WA 98	902 509-5	75-3999	- - - - - - - - - - - - - - - - - - -	75-3068	∦ 70814	-cdcrr	ni	

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

Washington State Certified Lab #227 - DOE Accredited Lab C345 Cadmium, Chromium, Nickel, Zinc

T ak/Samala Nos	07/08/14				-					
Lan/Sample 1995	227-70815			Co	ounty:	YAKIMA				
Sample Location:	DRUM2									
		_		Date Rec			<u></u>	· · · · · · · · · · · · · · · · · · ·		
			Date Reported: 07/29/14							
				le Collecte						
and Report To:			SAMPL	E COMM	ENTS	Matrix	:: Soil	<u></u>		
PLSA Engineering										
Attn: Scott Garland			1							
1120 West Lincoln Avenue	•					-				
Yakima, WA 98902			<u> </u>							
Cadmium, Chromium, Nic	kel, Zinc:									
OH# Analytes	Results	Units	MRL	Trigger	MCL	and the second second second second second second second second second second second second second second second	Analyzed			
Cadmium	ND	mg/kg	0.557		ļ	EPA 6020A	07/23/14	125		
Chromium	20.6	mg/kg	0.557		<u> </u>	EPA 6020A		125		
Nickel	19.2	mg/kg	0.557		– ─	EPA 6020A		125		
Zinc	72.0	mg/kg	0.577			EPA 6020A		125		
Lead	5.67	mg/kg	0.507		1		···· ······	i		
						<u> </u>		<u> </u>		
					1					
	<u> </u>				1			1 ∔		
					:			<u> </u>		
	i			F				· · [
			<u> </u>	<u> </u>		! 		<u> </u>		
		I · ·	· į	· · · · ·		=				
	, ,,				_ <u></u>	· ···		1		
		·	_]							
		 						+		
							<u>. l</u>			
		· ···								
				<u> </u>				1		
······	<u>+</u>	┼── ──					!	1		
	··									
			l	. <u>. </u>			ļ			

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068 //0815-cdcrn1

70816-cdcrni

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

					1, 110K0	,					
	Date Collect	ted: 07/08/14		 			<u></u> ,				
	т., Е./61	No. 117 70016			<u>C</u>	nuntv	YAKIMA				
		No: 227-70816 ion: DRUM-14	<u></u>	<u> </u>		Juniyi					
	Sample Locat	on. Dicolar at			Date Rec	eived:	07/08/14				
			<u></u>	Date Reported: 07/29/14							
	. <u></u>				le Collect						
end Repo	ort To:			SAMPI	E COMM	ENTS	Matri	c: Soil			
PLS.	A Engineering										
Aftn	: Scott Garland			1							
1120	West Lincoln Ave	enue									
Yak	ima, WA 98902										
Cad	mium, Chromium,	Nickel, Zinc									
OH#Anal	ytes	Results	Units	MRL	Trigger	MCL	· · · · · · · · · · · · · · · · · · ·	Analyzed			
Cadn	and the second second second second second second second second second second second second second second second	ND !	mg/kg	0.54		!	EPA 6020A	07/23/14			
···· ·· · ····························	mium	16.1	mg/kg	0.54		<u> </u>	EPA 6020A	07/23/14	125		
Nick		14.1	mg/kg	0.54		+	EPA 6020A	07/23/14			
Zinc		62.0	mg/kg	0.54			EPA 6020A		125		
Lead		25.8	mg/kg	0.507		!	EPA 0020A	0//23/14			
									+		
Trigg MCL	(Method Reporting Level): er: DOH Drinking Water res (waximum contaminant lev Not Defected): Indicates this	ponse level. Public Syst cl): Highest level recom	ents in excess o mended by the	of this level n federal gove ed at a level	nust take addition mment for publ	onal sampl lic water sy equal to the	es. Recommended ra ystems.). nge on packages.	<u></u>		

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

	Date Colle	ected: 07/08/14									
		le No: 227-70817			С	ounty:	YAKIMA				
	Sample Loc	ation: UST3-2		D-4- D							
	······································			Date Received: 07/08/14							
	: 			Date Reported: 07/29/14 Sample Collected By: SDG							
			<u> </u>				SDG Matrix	e Cail			
	Report To:	<u></u>		SAMPL	E COMM	ENIS		C 2011	<u> </u>		
	PLSA Engineering	:									
	Attn: Scott Garland										
	1120 West Lincoln A	venue									
	Yakima, WA 98902								<u></u>		
	Cadmium, Chromiu	m, Nickel, Zinc			<u></u>						
юH#	Analytes	Results	Units	MRL !	Trigger	MCL		Analyzed			
	Cadmium	0.595	mg/kg	0.531		·····	EPA 6020A	07/23/14			
	Chromium	21.0	mg/kg	0.531	· · · · · · · · · · · · · · · · · · ·		EPA 6020A	07/23/14	· · · · · · · · · · · · · · · · · · ·		
	Nickel	18.6	mg/kg	0.531			EPA 6020A	07/23/14	<u> </u>		
	Zinc	138	mg/kg	0.531		! 	EPA 6020A		125		
	Lead	153	mg/kg	0.507		<u> </u>	EPA 6020A	0//25/14	12.5		
	MRL (Method Reporting Lev	rel): Indicates the minimum	A reporting love	l required and	 obtained by th						
	Trigger: DOH Drinking Water MCL (maximum contaminant ND (Nor Detected): Indicates t	response level. Public Syst (level): Highest level recon	ems in excess (mended by the	of this level n federal gove ed at a level p	ust take addition rament for pub	onal sampl lic water s equal to the	ies, Recommended rai ystems.	nge on packages.			

70818-cdcmi

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345 Cadmium, Chromium, Nickel, Zinc

		ium, en	1							
Date Coll	ected: 07/08/14	<u></u>								
T	le No: 227-70818			Co	unty:	YAKIMA	<u> </u>			
Lap/Samp Samula Loc	ation: UST3-12		 							
Sample Lite		<u></u>		Date Rec	eived:	07/08/14				
			Date Reported: 07/29/14							
			Samp	le Collect	ed By:	SDG				
d Report To:			SAMPL	E COMM	ENTS	Matrix	: Soil	<u></u>		
PLSA Engineering										
Attn: Scott Garland										
1120 West Lincoln A	venue									
Yakima, WA 98902			<u> </u>				· · · · · · · · · · · · · · · · · · ·			
Cadmium, Chromiu	and the second second second second second second second second second second second second second second second					······································				
1#Analytes	Results	Units	MRL	Trigger	MCL		Analyzed			
Cadmium	ND	mg/kg	0.531			EPA 6020A	07/23/14			
Chromium	19.1	mg/kg	0.531		1	EPA 6020A	07/23/14			
Nickel	17.4	mg/kg	0.531		<u> </u>	EPA 6020A		125		
Zinc	56.0	mg/kg	0.531			EPA 6020A	07/23/14	125		
Lead	19.2	mg/kg	0.507		 	EPA 6020A	10//25/14	125		
			 	[<u>+</u>		
MRL (Method Reporting La Trigger: DOH Drinking Wat MCI. (maximum contaminar ND (Not Detected): Indicates	er response level, Public Sys nt level): Highest level recor	tems in excess mmended by th	of this level r e federal gove sted at a level	nust take additi ernment for put	onal samp elic water s equal to th	ites, Recommended ra systems.	.). nge on packages.			

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

	Date Collect	ed: 07/08/14	····								
	Lab/Sample I	No: 227-70819			C	ounty:	YAKIMA				
	Sample Location	on: DWI-3						<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
17 A				Date Received: 07/08/14 Date Reported: 07/29/14							
53											
		-		And the second s	le Collect			0.1			
nd Repo	ort To:			SAMPL	E COMM	ENTS	Matrix	<u>t: Soli</u>			
PLS.	A Engineering										
Attn	: Scott Garland					,					
1120	West Lincoln Ave	nue		1							
Yak	ima, WA 98902			<u> </u>							
Cad	mium, Chromium,	Nickel, Zinc									
OH#Anal		Results	Units	MRL	Trigger	MCL	Method	Analyzed			
Cadn		ND	mg/kg	0.511			EPA 6020A	07/23/14	125		
	mium	19.9	mg/kg	0.511			EPA 6020A	07/23/14	125		
Nick	el	17.2	mg/kg	0.511		<u> </u>	EPA 6020A	· ·	125		
Zinc		62.2	mg/kg	0.511	-	ļ,	EPA 6020A	07/23/14	125		
Lead	l	4.97	mg/kg	0.507		<u> </u>	EPA 6020A	07/23/14	125		
Trigg MCL	(Method Reporting Level); per: DOII Drinking Water resp. (maximum contaminant leve Not Detected): Indicates this of	panse level. Public Syst el): Highest level recon	tems in excess on mended by the	of this level m e federal gove	ust take addition rnment for pub	onal sampl lic water sj	les. Recommended ra ystems.	.). nge on packages.			
					pproved By		<u> </u>	1			
		ł									

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70819-cdcrni

70820-cdcrni

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Colle	ected: 07/08/14							<u></u>		
Lab/Sampl	e No: 227-70820	······································		C	ounty:	YAKIMA				
Sample Loca	ation: DWI-13		Date Received: 07/08/14							
8644 8688			Date Reported: 07/29/14							
				le Collect						
end Report To:	· · · · · · · · · · · · · · · · · · ·			E COMM		Matri	c: Soil			
PLSA Engineering			Dinin 1			<u> </u>				
Attn: Scott Garland										
1120 West Lincoln A	venue									
Yakima, WA 98902	:									
dmium, Chromium, N	Nickel, Zinc									
OH#Analytes	Results	Units	MRL	Trigger	MCL		Analyzed			
Cadmium	ND	mg/kg	0.535		1 	EPA 6020A	07/23/14			
Chromium	20.0	mg/kg	0.535		<u>.</u>	EPA 6020A	07/23/14			
Nickel	18.7	mg/kg	0.535			EPA 6020A	07/23/14			
Zinc	68.7	mg/kg	0.535			EPA 6020A	.07/23/14			
Lead	49.3	mg/kg	0.507	<u> </u>	! 	EPA 6020A	07/23/14	125		
MRL (Method Reporting Leve Trigger: DOH Drinking Water	cl): Indicates the minimum	reporting love		L obtained by the		y (MDL <mrl<sri< th=""><th>).</th><th></th></mrl<sri<>).			
MCL (maximum contaminant MCL (maximum contaminant ND (Not Detected): Indicates th	level): Highest level recon	mended by the	e federal gove	rament for pub	lic water sy	ystems.				
				pproved By						

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

ate Rece ate Repo Collecte COMMI	sived: orted: d By: ENTS MCL	YAKIMA 07/08/14 07/29/14 SDG Matrix EPA 6020A EPA 6020A	Analyzed 07/23/14	Analys
ate Rece ate Repo Collecte COMMI	sived: orted: d By: ENTS MCL	07/08/14 07/29/14 SDG Matrix Matrix EPA 6020A	Analyzed 07/23/14	
ate Repo Collecte COMME	orted: d By: ENTS MCL	07/29/14 SDG Matrix Method EPA 6020A	Analyzed 07/23/14	
ate Repo Collecte COMME	orted: d By: ENTS MCL	07/29/14 SDG Matrix Method EPA 6020A	Analyzed 07/23/14	
COMME	MCL	Matrix Method EPA 6020A	Analyzed 07/23/14	
	MCL	Method EPA 6020A	Analyzed 07/23/14	
['rigger		EPA 6020A	07/23/14	
l'rigger		EPA 6020A	07/23/14	
[rigger		EPA 6020A	07/23/14	
[rigger		EPA 6020A	07/23/14	
[rigger		EPA 6020A	07/23/14	
[rigger		EPA 6020A	07/23/14	
				1140
		: H P A MU / H A	107/32/14	·
		EPA 6020A	07/23/14	
		EPA 6020A	107/23/14	
· i		EPA 6020A	07/23/14	125
				<u>}</u> .
				 I
			í	
		<u> </u>]
^				: .
				}
		<u> </u>		·
	ļ	- 	<u> </u>	
	+	. <u> </u>	•	
	<u>. </u>			+
		<u> </u>		
	1			-
	÷		i	
	<u>+</u>			
t r a	take additio nent for publi iter than or c	take additional sample tent for public water s	take additional samples. Recommended rate the for public water systems. ter than or equal to the MRL or SRL.	ter than or equal to the MRL or SRL.

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

70821-cdcrni

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

Date Coll	ected: 07/08/14									
Lab/Samp	le No: 227-70822			C	ounty:	YAKIMA				
Sample Loc	ation: UST2-11						·····			
			Date Received: 07/08/14							
	· · · · · · · · · · · · · · · · · · ·		Date Reported: 07/29/14							
				le Collect			<u> </u>			
end Report To:	:		SAMPL	E COMM	ENTS	Matri	(; S0II			
PLSA Engineering Attn: Scott Garland 1120 West Lincoln A Yakima, WA 98902	Avenue	·								
Cadmium, Chromiu	m, Nickel, Zinc									
OH# Analytes	Results	Units	MRL	Trigger	MCL		Analyzed	and the second se		
Cadmium	ND	mg/kg	0.535			EPA 6020A	07/23/14			
Chromium	21.0	mg/kg	0.535		<u> </u>	EPA 6020A		125		
Nickel	16.1	mg/kg	0.535	···· ·	<u> </u>	EPA 6020A	07/23/14			
Zinc	52.6	mg/kg	0.535		! 	EPA 6020A		125		
Lead	3.16	mg/kg	0.507		ļ	EPA 6020A	07/23/14	125		
		<u> </u>	<u> </u>		_ <u></u>					
MRL (Method Reporting Le Trigger: DOH Drinking Wate MCL (maximum contaminan ND (Not Detected): Indicates	er response level. Public Syst at level): Highest level recom	tems in excess	of this level n e federal gove	nust take additi rament for pub	onal samp die water s	les. Recommended ra systems.	.). nge on packages.			

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068 '70822-cdcrni

Washington State Certified Lab #227 - DOE Accredited Lab C345

Cadmium, Chromium, Nickel, Zinc

	ted: 07/08/14	·			<u></u>		·	
Lab/Sample	No: 227-70823			C	ounty:	YAKIMA		
Sample Locati								
				Date Rec		and the second se		
				Date Rep	and the second se			
		·		le Collect			0.11	
d Report To:			SAMPL	E COMM	ENTS	Matrix	a Sou	
PLSA Engineering	ł							
Attn: Scott Garland								
1120 West Lincoln Ave	enue							
Yakima, WA 98902			<u> </u>				<u></u>	
Cadmium, Chromium	, Nicket, Zinc				1		A	(A
l# Analytes	Results	Units	MRL	Trigger	MCL	in the second second second second second second second second second second second second second second second	i Analyzed	
Cadmium	ND	mg/kg	0.535		1	EPA 6020A	07/23/14	
Chromium	14.7	mg/kg	0.535		┨────	EPA 6020A EPA 6020A	.07/23/14	125
Nickel	13.4 49.6	mg/kg mg/kg	0.535		<u>!</u>	EPA 6020A	07/23/14	k
Zinc	3.51	mg/kg	0.507			EPA 6020A	07/23/14	
Lead	L 1.25	- Gu Bub				· · · · · · · · · · · · · · · · · · ·		
,		·		······		<i></i>		
						· · · · · · · · · · · · · · · · · · ·		<u> </u>
		·			 			1
		,						Ţ
			·	↓	1			
	l	· · · · · · · · · · · · · · · · · · ·						!
· · · · ·								<u> </u>
				 			· · ···	•
						·		<u> </u>
				=	} 			
			<u> </u>			· · · · · · · · · · · · · · · · · · ·		Ī
 	· ·			!	·	<u> </u>		+
			<u> </u>	ļ	!			
		· · · · · · · · · · · · · · · · · · ·						+
		<u>+</u>		<u> </u>	: 			
		i		·i			·	

15 W. Yakima Ave Ste 210 Yakima, WA 98902 509-575-3999 Fax: 509-575-3068

p.13

VALLEY Environmental Laboratory

Washington State Certified Lab #227 - DOE Accredited Lab C345 Cadmium, Chromium, Nickel, Zinc

		0						
	1	^		**				
		U	ounty:	YAKIMA				
		D / D.		07/09/14				
	Date Received: 07/08/14 Date Reported: 07/29/14							
	Samp	E COMM	EU Dy.	Matri	x: Soil			
	SADIF L	E COMM						
	<u> </u>							
		Tuinen	MCT	Method	i Analyzed	Analy		
	the second second second second second second second second second second second second second second second s	t rigger	IVICL					
	·· · · · · · · · · · · · · · · · · · ·	· · ·						
	.~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
				EPA 6020A	07/23/14	125		
				EPA 6020A	07/23/14	125		
			i			ļ		
			. <u>.</u>	<u> </u>		! .		
		· ·	-+			<u> </u>		
	-1		<u> </u>			_		
		 		· 		, 		
		<u> </u>		<u> </u>				
		 				<u>!</u>		
	! 		 	<u> </u>				
	<u> </u>		<u> </u>					
		. 		· 				
· <u> </u>	ļ	<u>-</u>	_ <u> </u>			- <u>†</u>		
		<u> </u>				 		
		- <u> </u>		<u></u>		-+		
			_ <u>_</u>	·				
<u></u> ,,,		1				<u>i</u>		
	l cognicad an	J -heatond but t	ho laborate	ory (MDL <mrl<sr< td=""><td>1.).</td><td></td></mrl<sr<>	1.).			
	Units mg/kg mg/kg mg/kg mg/kg	Units MRL mg/kg 0.535 mg/kg 0.535 mg/kg 0.535 mg/kg 0.535 mg/kg 0.535	UnitsMRLTriggesmg/kg0.535mg/kg0.535mg/kg0.535mg/kg0.535	Units MRL Trigger MCL mg/kg 0.535	Units MRL Trigger MCL Method mg/kg 0.535 EPA 6020A EPA 6020A mg/kg 0.535 EPA 6020A mg/kg 0.535 EPA 6020A mg/kg 0.535 EPA 6020A mg/kg 0.535 EPA 6020A	SAMPLE COMMENTS Matrix: Soil Units MRL Trigger MCL Method Analyzed mg/kg 0.535 EPA 6020A 07/23/14 mg/kg 0.535 EPA 6020A 07/23/14		

5095753068

p.15

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address: Attn:	VALLEY ENVIRONME 15 W. YAKIMA AVE S YAKIMA, WA 98901 DARA OSBORNE		;		Batch #: Project Name:	14071401 VOC / ME	4 TALS / PAł	+ / PCB
	:	Analy	ytical R	esults F	leport			
Sample Number Client Sample ID Matrix Comments		•	ling Date ling Time	7/8/2014 8:34 AM	Datef	Time Received	7/11/2014	11;20 AM
Parameter	÷	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Lead		123	mg/Kg	0.507	7/23/2014	ETL	EPA 6020A	
Sample Number	140714014-002	Samj	pling Date	7/8/2014	Date	Time Receive	5 7/11/2014	11:20 AM
Client Sample II Matrix		Sam	pling Time	8:29 AM				

ParameterResultUnitsPQLAnalysis DateAnalystMethodQualifierLead3.31mg/Kg0.4727/23/2014ETLEPA 6020A

Certifications held by Anatek Labs ID: EPA1060013; AZ-0701; CO:ID00013; FLINELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA-WA00169; ID:WA00169; WA:C595; MT:Cert0066; FL(NELAP): E671099

Wednesday, August 06, 2014

Comments

Page 1 of 6

Anatek Labs, Inc. 1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address: Attn:		AOSBORNE						I / PCB
	i	Analy	tical R	esults R	leport			
Sample Number Client Sample ID Matrix Comments			ling Date ling Time	7/8/2014 9:10 AM	Date/	Time Receive	id 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Lead		5,67	mg/Kg	0.557	7/23/2014	ETL	EPA 6020A	
Sample Number Client Sample II Matrix Comments			ling Date ling Time	7/8/2014 8:59 AM	Date	/Time Receive	ad 7/11/2014	11:20 AM
Borometer		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
Parameter Lead	· · · · · · · · · · · · · · · · · · ·	25.8	mg/Kg		7/23/2014	ETL	EPA 6020A	
Continuing baid by An	atok Laba iD: EPAJD00013; AZ:0701; atak Laba WA: EPA:WA00169; ID:WA	CO:1000013; FL(N	ELAP):E67853	; (D:)D60013; MT	CERT0028; NM: (D00013; C	R:10200001-002;	WA:C595	
Certifications held by An Wednesday, Augu		400189; WA:C585()	4T:Cer(0095; F	L(NELAP): E871	099		Page 2	of 6

p.16

5095753068

p.17

Anatek Labs, Inc. 1282 Alturas Drive • Moscow, ID 83843 • (208) 863-2839 • Fax (208) 862-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane.WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRONMENTAL LAB 15 W. YAKIMA AVE STE210	Batch #: Project Name;	140714014 VOC / METALS / PAH / PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Client Sample ID Matrix Comments	140714014-005 70817 Soil	•	ling Date ling Time	7/8/2014 9:53 AM	Dater	Time Receive	9 7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Lead		153	mg/Kg	0.531	7/23/2014	ETL	EPA 6020A	
Sample Number Client Sample ID Matrix Comments	140714014-006 70818 Soil	Samp	ling Date ling Time	7/8/2014 9:40 AM	Date/ Analysis Date	Time Receive Analyst	d 7/11/2014 Method	11:20 AM Qualifie
Parameter		Result	Units	PQL				
Lead		19.2	mg/Kg	0.477	7/23/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:IDC0013; AZ:0701; CO::D00013; FL(NELAP):E87893; ID:ID00013; MY:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871089

Wednesday, August 06, 2014

,

Page 3 of 6

5095753068

p.18

Anatek Labs, Inc. 1282 Alturas Drive • Moscow, ID 83843 • (208) 863-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D - Spokane WA 99202 · (509) 838-3999 · Fax (509) 838-4433 · email spokane@anateklabs.com

Client:	VALLEY ENVIRONMENTAL LAB	Batch #:	140714014
Address:	15 W. YAKIMA AVE STE210	Project Name:	VOC/METALS/PAH/PCB
	YAKIMA, WA 98901		
Attn:	DARA OSBORNE		

Analytical Results Report

0714014-008 320 i		Units mg/Kg ling Date	PQL 0.511	Analysis Date 7/23/2014	Analyst ETL	Method EPA 6020A	Qualifie
320	Sampl		0.511	7/23/2014	ETL	EPA 6020A	<u> </u>
320		Ling Date					
		ling Time	7/8/2014 10:15 AM	Datei	Time Receive	od 7/11/2014	11:20 AM
	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifie
	49.3	mg/Kg	0.535	7/23/2014	ETL	EPA 6020A	
	·						
EDA: DOD013: A7:0702:00	0:1000013; FL(NE) 0169; WA:C585; M1	AP):E87893; I Cert0095; FL	ID:ID00013; MT:CE (NELAP): E871099	RT0028; NM: (D00013; OR)	::10200001-002; W	JA:C595	
14						Page 4 (nf 6
2) EPA:ID00013; A2:070;; (A: EPA:WA00160; ID:WAX	49.3	49.3 mg/Kg	49.3 mg/Kg 0.535	49.3 mg/Kg 0.535 7/23/2014	49.3 mg/Kg 0.535 7/23/2014 ETL	49.3 mg/Kg 0.535 7/23/2014 ETL EPA 6020A 6. EPA: IDD0013; A2:070: [C0:ID00013; FL(NELAP): E87893; ID: ID00013; MT:CERTC028; NM* (ID00013; OR:ID200001-002; WA:C595 A: EPA: WA00169; ID: WA:C685; MT:Cert0095; FL(NELAP): E871099 D00013; A2:070; ID000169; WA:C595

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 683-2839 • Fax (208) 682-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRONMENTAL LAB 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901	Batch #: Project Name:	140714014 VOC / METALS / PAH / PCB
Attn:	DARA OSBORNE		

Analytical Results Report

Sample Number Cilent Sample ID Matrix Comments	140714014-009 70821 Soil	•	ling Date ling Tima	7/8/2014 11:16 AM	Date/	Time Received	7/11/2014	11:20 AM
Parameter		Result	Units	PQL	Analysis Date	Analyst	Method	Quailfie
Lead		5.01	mg/Kg	0.525	7/23/2014	ETL	EPA 6020A	<u> </u>
			<u>. </u>		<u></u>			
Sample Number Client Sample ID Matrix Comments	140714014-010 70822 Soti	•	oling Date oling Time	7/8/2014 11:07 AM	Datei	Time Received	7/11/2014	11:20 AN
Parameter		Result	Units	PQI.	Analysis Date	Analyst	Method	Qualifie
Lead		3.16	mg/Kg	0.503	7/23/2014	ETL	EPA 6020A	

Certifications held by Anatek Labs ID: EPA-ICc0013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID:0013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cen0095; FL(NELAP): E871099

Wednesday, August 06, 2014

Page 5 of 6

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: Address:	VALLEY ENVIRONMENTAL LAB 15 W. YAKIMA AVE STE210 YAKIMA, WA 98901	Batch #: Project Name:	140714014 VOC / METALS / PAH / PCB
Attn:	DARA OSBORNE		

Analytical Results Report

140714014-011 70823	•	-	7/8/2014 11:42 AM	Date/	Time Received	7/11/2014	11:20 AM
Soil							
	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
	3 .51	mg/Kg	0.46	7/23/2014	ETL	EPA 6020A	
		70823 Samp Soil Result	70823 Sampling Time Soil Result Units	70823 Sampling Time 11:42 AM Soil Result Units PQL	70823 Sampling Time 11:42 AM Soil Result Units PQL Analysis Date	T40/14014-011 Sampling Data House Hall 70823 Sampling Time 11:42 AM Soil Result Units PQL Analysis Date Analyst	140/14014-011 Sampling Date House H

Sample Number Client Sample ID	140714014-012 70824		iampling Date Sampling Time	7/8/2014 11:31 AM	Date/	Time Received	7/11/2014	11:20 AM
Matrix Comments	Soil	÷						
Parameter		Resu	lt Units	PQL	Analysis Date	Analyst	Method	Qualifier
Lead		16.7	/ mg/Kg	0.441	7/23/2014	ETL	EPA 6020A	

lola. Call Authorized Signature John Goddington, Lab Manager EPA's Maximum Contaminant Level MCL ND Not Detected Practical Quantilation Limit POL This report shall not be reproduced except in full, without the written approval of the laboratory. The results reported relate only to the samples indicated. Soil/solid results are reported on a dry-weight basis unless otherwise noted. Certifications held by Anatex Labs ID: EPA-ID00013; A2:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; MT CERT0028; NM: ID00013; OR:ID200001-002; WA C595 Cartifications held by Anatex Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT.Cert0095; FL(NELAP): E871099 Page 6 of 6 Wednesday, August 06, 2014

APPENDIX "E"

TTEC Calculations

		Total Toxicity Equivalenc	Toxicity Equivalence Concentration (TTEC)		
Sample ID					
		Measured Soil Concentration	Toxicity Equivalency Factor	Toxicity Equivalent Soil	
2-6700	CLAN	(mg/kg)	(TEF, unitless)	Concentration (mg/kg)	
	benzo(a)pyrene	0.005	1.00	0.005	
	benzo(a)anthracene	0.0186	0.10	0.00186	
	benzo(b)fluoranthene	0.0122	0.10	0.00122	
	benzo(k)fluoranthene	0.005	0.10	0.0005	
	chrysene	0.005	0.01	0.00005	
	dibenzo(a,h)anthracene	0.005	0.10	0.0005	
	indeno(1,2,3cd)pyrene	0.0124	0.10	0.00124	
	Sum	0.0632		0.01037 = TTEC	TTEC
			Compare TTEC to Method B CU	Compare TTEC to Method B CUL for benzo(a)pyrene: 0.137 mg/kg	8
			compare i i ec to ivietnoa A cu	сотраге ПЕСТО Метлоа А СОГТОГ репго(а)ругеле: О.1 mg/kg	