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May 1, 2018

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1601 Fifth Avenue, Suite 2040
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Re: 2017 Annual Report
Island Center Texaco Site
8800 Fletcher Bay Road NE
Bainbridge Island, Washington
VCP Site No. NW1845

EPI Project Number: 43701.13

Dear Sirs:

Environmental Partners, Inc. (EPI) is pleased to present this 2017 Annual Report for the Island Center Texaco Site (Site) located at 8800 Fletcher Bay Road Northeast in Bainbridge Island, Washington (subject property). This report includes a summary of annual groundwater monitoring, light non-aqueous phase liquid (LNAPL) recovery, and remediation system operation for 2017. The general location of the Site is shown on Figure 1, and Site Representations are shown on Figures 2 and 3.

For the purposes of this report, "Site" shall refer to all locations where contamination from a release on the subject property has come to be located. The LNAPL and dissolved-phase contaminant plumes currently extend beneath Fletcher Bay Road NE and onto the downgradient property (i.e., Loverich Property) west of Fletcher Bay Road NE.

The Site is undergoing quarterly groundwater monitoring and active LNAPL removal. A mechanical LNAPL recovery system and *in situ* soil and groundwater remediation system consisting of air sparging and soil vapor extraction (AS/SVE) have been installed at the Site and are operational. An expansion of the remediation systems was completed in the last quarter of 2014 and the first full year of operation of the expanded system was 2015. The system was initially operated only with SVE to limit potential LNAPL mobilization. In 2016, the SVE air effluent treatment system underwent modifications to convert the system from thermal oxidation to catalytic oxidation with the objective of lowering ongoing operating costs. A re-start of SVE operations began after these modifications were completed in the third quarter

of 2016. After LNAPL thicknesses and apparent distribution were reduced further in the beginning of 2017, EPI started the AS component to the SVE system.

EPI prepared the *As-Built and Startup Report, Interim Remedial Action System*, dated June 21, 2017, which documented the final construction details, details of operation, and operational data obtained from the AS/SVE system.

The remainder of this annual report presents:

- Groundwater sampling procedures and methods;
- LNAPL recovery methods and volumes;
- General AS/SVE system operation since June 2017;
- Groundwater analytical results and findings;
- Yearly LNAPL removal estimates; and
- Conclusions supported by the findings of work performed.

Summary tables and figures, well logs, and analytical laboratory reports are also included as supporting documentation.

GROUNDWATER SAMPLING

Figures 2 and 3 depict the location of all Site wells including groundwater monitoring wells, LNAPL recovery wells, and other remediation wells. A total of 55 monitoring and/or LNAPL recovery wells were inspected and/or sampled in 2017. The sampling schedule was modified in 2016 to reduce costs and sample the wells that provide the most information regarding AS/SVE system operation. The following table summarizes the sampling schedule by quarterly event.

2017 Groundwater Well Sampling Schedule

Well	Quarter Sampled			
	First	Second	Third	Fourth
MW-6D	X	X	X	X
MW-6S	X	X	X	X
MW-8D				X
MW-8S		X	X	X
MW-9D				X
MW-9S	X			X
MW-11S				X
MW-14				X
MW-15				X
MW-16D	X	X	X	X
MW-16S	X	X	X	X
MW-17				X
MW-18D	X	X	X	X
MW-19	X	X	X	X
MW-20s			X	X
MW-20	X	X	X	X
MW-21				X
MW-22				X
MW-23				X
MW-24				X
MW-25				X
MW-26D	X	X	X	X
MW-27				X
MW-28	X	X	X	X
MW-29	X	X	X	X
MW-30D				X
MW-30S				X
MW-31D				X
MW-31S				X
MW-32				X
MW-33D				X
MW-33S				X
MW-34				X
MW-35				X
MW-36				X
MW-37	X			X
MW-38	X	X		X
MW-39			X	X
RW-2				X
VE-1		X		X

Prior to sampling, each well was checked for the potential presence of LNAPL. LNAPL occurrence, depth, and thickness were measured using an electronic oil/water interface probe. In accordance with standard protocols, wells that contain LNAPL or sheen during a sampling event are not sampled. The following wells contained visible sheen or LNAPL in 2017 during one or more sampling events:

E-1	MW-38
E-9	R-4
E-10	R-7
E-12	R-9
MW-9D	R-11
MW-9S	RW-3
MW-27	VE-1
MW-32	VE-2
MW-37	

Prior to sampling, monitoring wells were purged using a peristaltic pump to minimize sample volatilization and silt uptake. Disposable pump tubing and dedicated downwell tubing were used at each location. Groundwater was field analyzed for pH, temperature, and specific conductivity. During sampling, groundwater samples were pumped directly into appropriate sample containers at a flow rate of less than 100 milliliters/minute. Purge water was stored in 55-gallon drums pending disposal.

All groundwater samples were submitted to ALS Laboratory Group (ALS) in Everett, Washington, for analysis of:

- Gasoline-range organics (GRO) by Washington State Department of Ecology (Ecology) Northwest Total Petroleum Hydrocarbons as Gasoline (NWTPH-Gx) Method; and

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B.

All samples were placed in laboratory-supplied containers appropriate for the intended analyses. Where applicable, sample containers were pre-preserved by the laboratory. Immediately upon collection, the groundwater samples were labeled and placed in an iced cooler pending submittal to the analytical laboratory. All samples were transported under standard chain-of-custody protocols.

LNAPL RECOVERY

As noted above, LNAPL was observed in 15 shallow aquifer wells and in two deeper aquifer wells (MW-9D and MW-27) in 2017. LNAPL removal occurs using both manual and automated methods. LNAPL is accumulated and stored in an on-Site aboveground storage tank pending recycling.

Manual LNAPL recovery is performed on an approximate bi-weekly basis from those wells on the Site that contain recoverable product but that are not connected to the automated system. Manual LNAPL recovery is performed using a combination of submersible pumps or passive skimmers, as necessary.

In 2017, 91.42 gallons of LNAPL were removed using manual methods. An additional 0.7 gallons of LNAPL were removed by the automated system in 2017 for a total removal of about 92.12 gallons of LNAPL in 2017.

The LNAPL recovery volumes for 2017 are tabulated below with 2016 values for comparison. These volumes compare to the removal of 359 gallons of LNAPL in 2015 using automated and manual removal methods. These values indicate a continued decline in the apparent mass of LNAPL available for removal at the Site.

Summary of LNAPL Removal Volumes (Gallons)

Well	Method (Manual)	2016	2017
E-1	Manual	8.5	16.60
E-2	Manual	0	0
E-9	Manual	0.1	1.51
E-10	Manual	0	0.1
E-12	Manual	22.7	2.20
MW-9S	Manual	1.2	8.30
MW-9D	Manual	0.2	1.71
MW-27	Manual	0	5.00
MW-32	Manual	0	0
MW-37	Manual	1	2.30
MW-38	Manual	1.3	3.90
R-1 to R-3	Automated	0	0
R-4	Manual	0	0.1
R-5 to R-10	Automated	13.3	0.7
R-11	Manual	4.35	0.9
RW-3	Manual	5.45	9.40
VE-1	Manual	0	0
VE-2	Manual	3.3	39.40
Total		**61.4**	**92.12**

As of December 31, 2017, a cumulative total of approximately 5,802 gallons of LNAPL has been recovered at the Site.

Table 1 summarizes the historical LNAPL removal quantities since 2014. Figure 4 depicts the trend in maximum LNAPL thickness at six wells (E-1, E-12, R-7, R-11, RW-3, and VE-2) since 2010. These wells were selected because they are spatially distributed throughout the plume and show various trends of LNAPL at the Site. The LNAPL trend in each of these wells is summarized below.

- E-1 is a soil vapor extraction well screened in the shallow aquifer and is located east of Fletcher Bay Road NE, near the source area. The maximum amount of LNAPL in feet in this well declined every year from 2010 to 2016. In 2017, this well had a maximum of 3.37 feet of LNAPL in August after startup of the air sparge component of the AS/SVE system. The volume of LNAPL recovery in E-1 also increased in 2017 and may be associated with AS operation. This condition is discussed below. This trend will continue to be evaluated in 2018.

- E-12 is a soil vapor extraction well installed in 2014, screened in the shallow aquifer, located west of Fletcher Bay Road NE, and is downgradient of the source area. LNAPL first appeared in this well during 2015. The maximum amount of LNAPL in this well was steady in 2015 and 2016 and then declined in 2017.

- R-7 is a LNAPL recovery well installed in 2014, screened in the shallow aquifer, and is located west of Fletcher Bay Road NE near the center of the plume. R-7 first showed measurable amounts (i.e., 2.85 feet) of LNAPL in 2015. The maximum amount of LNAPL in this well has declined every year from 2015 to 2017 and is not currently measurable. R-7 did not exhibit an increase in LNAPL accumulation in response to AS system startup.

- R-11 is an angled LNAPL recovery well installed in 2014, screened in the shallow aquifer, and is located beneath Fletcher Bay Road NE. R-11 was installed to recover LNAPL from beneath the road. The maximum amount of LNAPL in feet (i.e., 6.52 feet) in this well has declined every year from 2014 to 2017 and was about 0.02 feet in November 2017. LNAPL recovery in R-11 also decreased significantly in 2017. However, there was an apparent short-term increase in LNAPL thickness in June 2017, which correlated with the AS startup.

- RW-3 is a shallow aquifer well that is located west of Fletcher Bay Road NE, in the center of the plume. The maximum amount of LNAPL in feet in the well has been in a declining trend from 2010 to 2017. As with VE-2 and E-1, the volume of LNAPL recovery in RW-3 increased in 2017 and may be associated with AS operation.

- VE-2 is a shallow aquifer well that is located west of Fletcher Bay Road NE, in the center of the plume. The maximum amount of LNAPL in the well was in a declining trend from 2010 until June 2017. In June 2017, this well had a maximum of 7.72 feet of LNAPL, which is right after the startup of the air sparge component of the AS/SVE system. The volume of LNAPL recovery in well VE-2 in 2017 was significantly higher than in 2016, potentially due to the operation of the AS system component. This trend will be further evaluated in 2018.

The LNAPL accumulation in each of these wells, and in the on-Site wells in general, has decreased significantly since 2010.

In response to the AS system startup in June 2017 some wells experienced an increase in LNAPL thicknesses in June, July, and August of 2017, which in turn resulted in an increase in the total volume of LNAPL recovered in 2017 versus 2016. This increase in LNAPL accumulation appears to have been short-lived with most wells returning to only very thin accumulations of LNAPL by the end of 2017.

The apparent correlation between LNAPL accumulation and AS operation will continue to be evaluated in 2018.

ADDITIONAL MONITORING WELL INSTALLATION

Farallon Consulting, L.L.C. (Farallon), the insurers' technical consultant, raised a concern that the southern and southwestern-most extent of the dissolved-phase contaminant plume within the shallow aquifer was not fully characterized, and that the remediation system may therefore not address the full extent of the plume. EPI noted that the extent of impacts south and southwest of well MW-38 were not fully characterized but that, based on concentration trends, such impacts, if any, were likely not to be extensive in those areas.

In order to address the insurers' concerns, EPI worked with Farallon to develop a scope of services to address this data gap.

In September 2017 two additional shallow monitoring wells were installed (MW-20S and MW-39). Well MW-20S was installed adjacent to existing deep monitoring well MW-20 and provides a shallow/deep aquifer pair in this location. MW-39 was installed about 75 feet south of MW-38 on the west side of Fletcher Bay Road NE and is designed to characterize the maximum southern extent of dissolved-phase impacts in this area.

These monitoring wells were installed using hollow-stem-auger drilling equipment. The borehole for each well was advanced to a depth of 32 feet. Soil conditions at each location were characterized by the field geologist and described on a field log. Boring logs for the EPI-installed wells are provided in Attachment A.

Monitoring wells MW-20S and MW-39 are constructed of 2-inch diameter, Schedule 40 PVC with 15 feet of 0.010-inch factory-slotted well screen. Each well was completed with blank PVC riser pipe installed from the top of the screened interval to just below the ground surface. A filter pack of 10/20 silica sand was placed around each screened interval, extending from the bottom of the well screen to approximately 1 foot above the top of the well screen. A surface seal of bentonite chips was placed from the top of the filter pack to within approximately 18 inches of ground surface and the surface was completed with a traffic-rated monument and set in concrete. Well construction details are included on the well logs in Attachment A.

Following installation each monitoring well was developed using a dedicated 12-volt submersible pump and a combination of surging and pumping. Well development water was tested with appropriate water quality instruments for pH, conductivity, temperature, and turbidity at approximately 10- to 15-minute intervals throughout the well development process. Well development continued until the well yielded water that was turbidity free to the satisfaction of the EPI geologist.

REMEDIATION SYSTEM OPERATION

As discussed above, shallow soil and groundwater in the shallow aquifer are currently undergoing active remediation using an AS/SVE system. Extracted vapors are treated through a catalytic oxidizer prior to atmospheric discharge under a Notice of Construction Permit with the Puget Sound Clean Air Agency (PSCAA). In 2016, the AS/SVE system was only operated using the SVE component while large amounts of LNAPL were present due to the potential for the mounding effects of AS to mobilize the LNAPL. EPI recently prepared the *As-Built and Startup Report*, *Interim Remedial Action System* (As-Built Report), dated June 21, 2017, that documents the system startup through May 2017.

By the end of the second quarter of 2017 it was determined that accumulated LNAPL thicknesses were sufficiently low to allow operation of the AS component of the system. The AS system was started throughout the full extent of the system in June 2017. The following discussion will detail the AS/SVE system operation from June 2017 through December 2017.

In June 2017, the AS/SVE was started with the AS component fully operational. Three sets of samples were collected from the inlet (post dilution) and the outlet in June to evaluate initial operating parameters with the AS component. System maintenance was initially required and the system was shut down in July and August 2017. In July and August 2017, EPI personnel replaced the ultra-violet flame sensor, replaced and reprogrammed the FireEye logic control system, and re-calibrated the high temperature/pressure control switch.

The system was restarted after these repairs and monthly samples of the system influent and effluent vapors were collected on September 26, October 27, November 30, and December 27, 2017 to confirm compliance with the PSCAA air permit discharge limits, estimate a contaminant mass removal rate, and evaluate control efficiency of the catalytic oxidizer. The vapor samples were collected in Tedlar® bags and submitted to Fremont Analytical in Seattle, Washington, for laboratory analysis. All samples were analyzed for GRO by NWTPH-Gx and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B. Table 2 presents a summary of air analytical data.

Based on the influent vapor analytical results, it is estimated that the SVE system alone (October 2016 through September 2017) and together with the combined AS/SVE system (September 2017 through December 2017) have removed approximately 4,077 pounds of GRO and 53.8 pounds of benzene. Tabulated operational and monitoring data for the AS/SVE system, including mass removal estimates, are summarized in Table 3. Laboratory analytical reports for the system vapor samples are provided in Attachment B.

The full AS/SVE system has operated consistently since September 6, 2017. During that time, the total GRO mass removed by the AS/SVE system was 2,980 pounds and the total benzene was 40 pounds. This is the equivalent of about 26.6 pounds per day of GRO and 0.36 pounds per day of benzene.

As the average mass removal rate for the entire system decreases, the system operation will be modified to focus the treatment on those areas with the highest remaining impacts to groundwater. EPI anticipates operating the full system through the summer of 2018 to take full advantage of the increased mass recovery when groundwater levels are lowest. EPI will also collect photoionization detector (PID)

readings and vapor samples from the individual wells to determine which wells provide the most mass recovery and which provide less benefit, using those data to focus the system operation.

During the period from June 2017 through December 2017, system operation and maintenance (O&M) events were performed approximately bi-monthly. During the O&M Site visits, EPI personnel monitored and recorded system status and operational parameters and made necessary adjustments to system components. Vapors at the inlet and outlet of catalytic oxidizer were monitored with a PID in accordance with the requirements of the air permit.

System monitoring data confirmed that the control efficiency and system discharges were in compliance with the PSCAA Notice of Construction permit limits.

FINDINGS

Hydrogeology

Depth to groundwater, water table elevation, and LNAPL thickness data since 2014 are summarized in Table 4.

As discussed extensively in reports, the soils at the Site are geologically heterogeneous and the Site contains at least two distinct hydrostratigraphic units consisting of shallow and deeper water-bearing zones. The shallow water-bearing zone consists of seasonally discontinuous unconfined perched groundwater present above a silty aquitard. The deeper water-bearing zone is present beneath the silty aquitard under confined or semi-confined conditions. Regardless of the confined nature of the deeper aquifer, there is an observed net downward potentiometric gradient across the silty aquitard between the shallow and deeper water-bearing zones. Wells are completed to allow for sampling and evaluation of hydrogeologic conditions within either the shallow or deeper water-bearing zones. This report discusses the findings for both the shallow and deeper water-bearing zones.

The composition of the aquitard is variable and ranges from a dense but relatively thin clay layer to a thicker zone of interbedded silts, fine sands, and clay. The thin nature of some portions of the aquitard suggests that it may not be present in all areas. The aquitard appears to be locally “leaky” and allows downward vertical migration of groundwater and dissolved-phase compounds resulting in the observed impacts to the deeper aquifer. Leakage through the aquifer is further confirmed by the high dissolved-phase hydrocarbon concentrations in the deeper aquifer and by the presence of LNAPL in deep aquifer wells MW-9D and MW-27 and increased concentrations in MW-18D and MW-26D. The aquitard appears to be absent to the west of the Site. In all areas of the Site (i.e., where contamination is present) there appears to be both a shallow and deeper aquifer.

The combination of an operating AS/SVE system, a seasonally thin shallow aquifer, large seasonal variations in water levels, and topographic effects of the aquitard on groundwater flow, result in a complex hydrogeologic regime at the Site. Regardless of this complexity, the Site contains a large number of monitoring wells screened within both the shallow and deeper aquifers that serve to empirically demonstrate the lateral limits of the dissolved-phase plume within both aquifers.

The reviewer is directed to the *Remedial Investigation Report* (RI Report), dated August 22, 2007 for additional detail regarding hydrostratigraphic conditions at the Site.

Shallow Aquifer

Figures 5 through 8 illustrate potentiometric conditions within the shallow aquifer in 2017. Potentiometric contours within the shallow aquifer indicate a variable flow regime throughout the year. The distribution of LNAPL and groundwater migration within the shallow aquifer are likely affected to some extent by the topography of the upper surface of the silt aquitard and leakage between the shallow and deep aquifers through the aquitard (see the RI Report for additional detail). Water levels in wells that contain LNAPL are not included in the calculation of potentiometric contours. The extensive presence of LNAPL may influence the interpolated groundwater gradients.

It appears that the operation of the AS/SVE system has influenced the groundwater flow direction at the Site. The operation of the system may be creating or enhancing a “trough” effect beneath Fletcher Bay Road NE by raising the water levels near the operating SVE wells on either side of the road.

During the lowest water level times of the year (i.e., thinnest shallow aquifer saturated zone thickness) the upper surface of the aquitard may strongly affect LNAPL, groundwater, and dissolved-phase contaminant flow within the shallow aquifer. The periods of lowest water levels also generally correspond to the period of greatest LNAPL accumulation within the wells. The combination of potentiometric surface of the shallow aquifer and the upper surface of the aquitard appear to have limited the westward migration of LNAPL, which has been in a generally steady-state condition for several years.

Deeper Aquifer

Figures 9 through 12 illustrate potentiometric conditions within the deeper aquifer in 2017. The deeper aquifer also appears to have a minor “trough effect,” but generally has a westerly hydraulic gradient. The groundwater flow direction does not appear to be affected by the aquitard. The presence of LNAPL in MW-9D and MW-27 beneath an area of LNAPL in the shallow aquifer suggests that at certain times of the year hydrogeologic conditions exist that allow the LNAPL to migrate through or across the aquitard in this area. The extent of LNAPL in the deeper aquifer appears to be limited to the areas of MW-9D and MW-27. As indicated in the RI Report, this contaminant migration pathway is most appropriately addressed by remediating LNAPL and dissolved-phase contaminants within the shallow aquifer.

Analytical Results and Discussion

Table 5 presents a summary of groundwater analytical data. Due to the large number of wells and high volume of data, the analytical results are most clearly presented graphically. GRO and benzene have been selected as indicator compounds for the graphical representation of the analytical data. Figures 13 through 20 illustrate, on a quarter-by-quarter basis, the estimated extent of LNAPL, GRO, and benzene at concentrations exceeding Model Toxics Control Act (MTCA) Method A Groundwater Cleanup Levels in both the shallow and deeper aquifers. Laboratory analytical data reports are included as Attachment B.

The lateral extent of dissolved-phase impacts to the shallow aquifer, as indicated by GRO and benzene concentrations, appears to have shifted slightly in 2017. After years of sample results less than the cleanup levels, monitoring wells MW-6S, MW-30S, and RW-2 showed increases in GRO and benzene concentrations. These wells were all near the outer extent of the contamination plume in the past. Well MW-6S was on a quarterly sampling schedule and MW-30S and RW-2 were on an annual schedule.

In June 2017 (Figure 14) GRO and benzene concentrations in MW-6S increased to be greater than cleanup levels in apparent response to the AS component startup. Concentrations then decreased significantly in September 2017 (Figure 15) only to increase again substantially in December 2017 (Figure 16). It was also noted in December that concentrations in MW-30S and RW-2 had also increased since the prior sampling event.

This slight shift in dissolved-phase concentrations is likely due to the addition of the AS component to the remedial system, which can have localized effects on groundwater flow and contaminant migration. During the initial AS component startup, EPI initiated AS in the center of the plume and along the northern extent of the plume. This introduction of air into these wells greatly increased mass removal concentrations of the SVE component of the system. AS will “mound” the groundwater around the injection well due to the introduction of air bubbles and an increase in the volume of the water around the injection well. During the initial introduction of air into the groundwater, it is typical to observe variable movement of contaminants and/or LNAPL as the plume re-equilibrates to the changed conditions during AS operation. This new equilibrium condition is monitored through the ongoing groundwater monitoring. Groundwater samples from other monitoring wells located farther to the west and north of the AS wells continued to not contain detectable concentrations of GRO and benzene.

The operation of the AS components has been adjusted since receiving these analytical results. The AS wells at the northern extent of the plume have been shut off and AS is now focused in the central portion of the plume. Wells MW-6S, MW-30S, and RW-2 will also now be sampled on a quarterly schedule going forward. At all times there were wells surrounding these wells (i.e., MW-16S, MW-28, MW-31 and MW-33) that continued to have concentrations either less than cleanup levels or less than the detection limits of the method used.

The extent of dissolved-phase GRO and benzene within the deeper aquifer is somewhat larger than within the shallow aquifer and has been generally stable for several years. The magnitude of impacts within selected deeper aquifer wells (i.e., MW-18D) has been highly variable, but with no apparent effect on the lateral extent of the deeper aquifer plume.

The increase in LNAPL volume recovered from the Site in 2017 relative to 2016 was primarily a result of the volume recovered from VE-2, which is in the center of the plume. Prior to AS component startup, this well only contained 0.01 feet of LNAPL. Immediately after AS component startup this well had 7.72 feet of LNAPL and continued to have significant LNAPL through the end of 2017. Similar effects, but to a lesser degree, were noted in several wells. It appears that full-time AS operation in 2018 will facilitate LNAPL recovery in some areas of the Site, which will be advantageous for the remedial action and will help to remove recoverable LNAPL.

As noted with the changes in concentrations observed at MW-6S, MW-30S, and RW-2 it will also be necessary to actively manage AS component operations to limit the mobilization of dissolved-phase contaminants.

Figure 21 is a graphic representation of the total sum of detectable concentrations of GRO and benzene in the shallow aquifer since 2010. For each year, the quarterly sampling event with the highest concentrations was selected for the annual maximum contaminant condition. For the selected quarterly event, each point sums the concentrations within a consistent number of wells and is used to represent the maximum annual Site-wide "load" in micrograms per liter. This allows for an evaluation of Site-wide trends in maximum concentration and the potential effectiveness of remedial actions. The recently installed wells (MW-20, MW-37, MW-38, and MW-39) and wells recently sampled because of LNAPL reduction are excluded from this representation to provide a consistent year-by-year analysis with earlier events.

The operation of the AS component of the remediation system has resulted in not only increased LNAPL recovery but also likely some dissolution of LNAPL into the dissolved-phase. Additional dissolution of LNAPL may occur as the water table is raised by air injection into overlying soil with sorbed phase hydrocarbons. The increase in concentrations at MW-6S, MW-30S, and RW-2 discussed above are likely due to the operation of the AS component of the remediation system. Absent that increase in the fourth quarter of 2017 on the GRO line, the GRO concentrations would exhibit a decreasing trend. Even with those increases, the benzene concentrations still exhibit a decreasing trend, which would likely have been greater without the noted increases in concentration due to AS component operation. EPI expects that this will be a transient effect. As AS operation facilitates LNAPL recovery and overall contaminant mass removal from the Site, this graphic will begin to reflect an improvement in sitewide groundwater quality and a decrease in the sitewide contaminant load.

Figures 22 and 23 show a graphic representation of the detectable concentrations of GRO and benzene in the deep aquifer, respectively, over time for each fourth quarter sampling event since 2010 from four selected wells. The fourth quarter was selected because wells MW-18D and MW-26D have only been sampled during the fourth quarter.

Figure 22 displays what appears to be an increasing trend in GRO concentrations in the deeper aquifer dominated by data from wells MW-18D and MW-26D. As noted, the analytical results for these wells are highly variable. Figure 23 displays that overall, benzene concentrations from three of the four wells is either stable or decreasing. MW-26D again shows a high variability in concentrations. It is still unclear whether the trends in Figures 22 and 23 are the result of normal variability within the data or a true indicator of increased contaminant mobility from the shallow to the deeper aquifer.

The available data indicate that total Site-wide LNAPL volumes are decreasing and that the AS/SVE system is removing large quantities of contaminant mass. The available contaminant mass at the Site is finite and continued LNAPL recovery and dissolved-phase remediation will necessarily result in demonstrable improvements in groundwater quality.

The conceptual site model (CSM) continues to be that the release of gasoline-range fuels within the shallow aquifer resulted in impacts to the deeper aquifer through hydraulic communication across the "leaky" aquitard. The remedial strategy consistent with the CSM continues to be remediation of the

source within the shallow aquifer before determining whether additional actions may be needed to address residual impacts to the deeper aquifer. Concentration trends within the shallow aquifer and decreasing LNAPL volumes support a conclusion that the remedial action within the shallow aquifer is effective. During 2018, the ongoing AS/SVE operation and groundwater monitoring will assess the pace at which improving groundwater quality will propagate from the shallow aquifer to the deeper aquifer.

NEXT STEPS

LNAPL recovery, AS/SVE system operation, and groundwater monitoring will continue through 2018. As discussed above, those actions will include:

- Adding wells MW-30S, and RW-2 to the quarterly sampling schedule to assess the temporal variations and potential trends suggested by the fourth quarter 2017 data from these three locations.

- Adding to the groundwater monitoring program wells that no longer contain sheen or LNAPL. This includes wells MW-37 and MW-38 and potentially others as the volume of recoverable LNAPL continues to decrease.

- Progressive implementation of full-time AS throughout the plume. EPI will continue to adapt the AS component operation based on groundwater monitoring data and the presence and distribution of LNAPL. The objective of AS component operation is to maximize the area of treatment and mass recovery without also unduly mobilizing dissolved-phase contaminant mass.

- Due to increased concentrations of benzene and GRO in MW-16D in recent years, the deep aquifer dissolved-phase plume is not fully characterized in the downgradient direction in the area of shallow monitoring well MW-29. Continued monitoring through 2018 will be used to assess improvements or changes in groundwater quality in this area and to support a recommendation on whether to install a deep aquifer well adjacent to MW-29.

- Adaptive groundwater monitoring. As groundwater quality improves, wells can be moved from a quarterly to a semi-annual or annual sampling schedule. Wells that contain concentrations less than MTCA Method A cleanup levels for four consecutive quarters will be moved to semi-annual sampling. Wells that contain concentrations less than MTCA Method A cleanup levels for two consecutive semi-annual sampling events will be moved to annual sampling. If concentrations in wells increase to above cleanup levels for consecutive events, they may be moved to a more frequent sampling schedule.

EPI appreciates the opportunity to be of assistance on this project. If you have any questions or comments, please do not hesitate to contact me at (425) 395-0010.

Sincerely,

State of Washington
1146
Licensed Geologist
Thomas C. Morin

Josh Bernthal, PE
Senior Engineer

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ENCLOSURES

Tables

Figures

Attachments

Tables

Table 1
Summary of LNAPL Recovery Data Starting 2014
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Well	Elevation (feet)	Date	LNAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Potentiometric Surface (feet)	LNAPL Volume Purged[a] (gallons)
MW-6	99.63	**TOTAL**					**79.63**
MW-6S	99.63	6/8/17	0.00	6.07	93.56	93.56	
		6/9/17	0.00	12.02	87.61	87.61	
		6/15/17	0.00	15.53	84.10	84.10	
		6/28/17	0.00	22.14	77.49	77.49	
		9/6/17	0.00	26.67	72.96	72.96	
		12/14/17	0.00	15.98	83.65	83.65	
		TOTAL					**0.00**
MW-8S	100.23	6/8/17	0.00	8.32	91.91	91.91	
		6/9/17	0.00	14.35	85.88	85.88	
		6/15/17	0.00	19.34	80.89	80.89	
		6/28/17	0.00	20.48	79.75	79.75	
		9/6/17	0.00	24.94	75.29	75.29	
		12/14/17	0.00	22.16	78.07	78.07	
		TOTAL					**0.00**
MW-9	99.32	**TOTAL**					**59.74**
MW-9S	99.32	3/17/14	0.00	18.53	81.66	81.66	
		6/9/14	0.07	19.35	80.84	80.91	0.10
		9/23/14	0.38	24.51	75.68	76.06	0.50
		12/16/14	0.10	17.70	82.49	82.59	0.10
		3/25/2015	0.21	18.91	81.28	81.49	0.25
		6/16/2015	0.34	22.67	77.52	77.86	0.25
		9/21/2015	0.64	25.98	74.21	74.85	0.25
		12/7/2015	0.66	21.06	79.13	79.79	0.25
		3/22/2016	0.34	15.94	83.38	83.72	0.20
		6/23/2016	0.42	21.93	77.39	77.81	
		9/7/2016	0.70	26.12	73.20	73.90	
		11/3/2016	0.77	21.29	78.03	78.80	0.60
		11/29/2016	0.17	17.25	82.07	82.24	0.20
		12/15/2016	0.09	16.90	82.42	82.51	0.20
		12/27/2016	0.06	16.53	82.79	82.85	
		1/3/2017	0.07	16.77	82.55	82.62	0.40
		1/13/2017	0.08	17.42	81.90	81.98	0.20
		1/23/2017	0.02	16.10	83.22	83.24	
		2/10/2017	0.01	16.61	82.71	82.72	
		3/3/2017	0.01	17.35	81.97	81.98	
		3/27/2017	0.00	15.18	84.14	84.14	
		4/12/2017	0.00	15.02	84.30	84.30	
		4/28/2017	0.01	16.28	83.04	83.05	
		5/12/2017	0.005	14.47	84.85	84.86	0.10
		5/26/2017	0.01	16.73	82.60	82.60	0.10
		6/9/2017	0.00	12.59	86.73	86.73	
		6/15/2017	0.01	26.75	72.57	72.58	
		6/23/2017	1.98	25.52	73.80	75.78	2.00
		6/28/2017	0.72	22.81	76.51	77.23	
		8/10/2017	1.05	24.49	74.83	75.88	2.00
		8/28/2017	0.43	24.52	74.80	75.23	2.00
		8/31/2017	0.27	25.24	74.08	74.35	1.50
		9/6/2017	0.43	25.26	74.06	74.49	
		10/27/2017	0.00	15.83	83.49	83.49	
		12/14/2017	0.00	23.73	75.59	75.59	
		TOTAL					**133.20**
MW-9D	100.08	3/17/14	0.00	19.35	80.73	80.73	
		6/9/14	0.01	21.95	78.13	78.14	
		9/23/14	0.17	26.41	73.67	73.84	0.10
		12/16/14	0.17	19.72	80.36	80.53	0.10
		3/6/2015	0.11	21.10	78.98	79.09	0.10
		6/16/2015	0.12	24.56	75.52	75.64	0.10
		9/21/2015	0.17	27.20	72.88	73.05	0.10
		12/7/2015	0.13	23.02	77.06	77.19	0.10
		3/22/2016	0.12	19.24	80.84	80.96	0.20
		6/23/2016	0.14	23.40	76.68	76.82	
		9/7/2016	0.03	27.29	72.79	72.82	
		11/3/2016	0.20	22.68	77.40	77.60	
		12/27/2016	0.04	18.89	81.19	81.23	
		3/27/2017	0.03	17.85	82.23	82.26	0.20
		4/12/2017	0.005	17.72	82.37	82.37	
		4/28/2017	0.01	19.02	81.06	81.07	
		5/12/2017	0.005	18.73	81.35	81.36	0.01
		5/26/2017	0.00	17.76	82.32	82.32	
		6/23/2017	2.10	24.22	75.86	77.96	1.40
		6/28/2017	0.02	23.03	77.05	77.07	
		8/10/2017	0.08	25.97	74.11	74.19	0.10
		8/31/2017	0.05	26.78	73.30	73.35	
		9/6/2017	0.06	27.01	73.07	73.13	
		10/27/2017	0.02	24.07	76.01	76.03	
		12/14/2017	0.000	26.430	73.65	73.65	
		Total					**3.14**

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Well	Elevation (feet)	Date	LNAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Potentiometric Surface (feet)	LNAPL Volume Purged[a] (gallons)
MW-16S	97.36	6/8/17	0.00	12.69	84.67	84.67	
		6/9/17	0.00	12.46	84.90	84.90	
		6/15/17	0.00	13.58	83.78	83.78	
		6/28/17	0.00	18.20	79.16	79.16	
		12/14/17	0.00	17.75	79.61	79.61	
		TOTAL					**0.00**
MW-27	99.62	6/28/17	0.48	23.12	76.50	76.98	
		7/5/17	0.61	23.65	75.97	76.58	4.00
		7/21/17	0.10	24.35	75.27	75.37	
		7/31/17	0.14	25.07	74.55	74.69	0.50
		8/10/17	0.10	25.80	73.82	73.92	
		8/31/17	0.09	26.65	72.97	73.06	0.30
		9/6/17	0.07	26.90	72.72	72.79	
		10/13/17	0.16	28.74	70.88	71.04	0.20
		10/27/17	0.00	23.89	75.73	75.73	
		11/6/17	0.02	24.20	75.42	75.44	
		11/22/17	0.03	19.54	80.08	80.11	
		12/14/2017	0.00	26.69	72.93	72.93	
		TOTAL					**5.00**
MW-30S	99.9	6/8/17	0.00	11.23	88.67	88.67	
		6/9/17	0.00	18.85	81.05	81.05	
		6/15/17	0.00	19.83	80.07	80.07	
		6/28/17	0.00	22.09	77.81	77.81	
		9/6/17	0.00	26.24	73.66	73.66	
		12/14/2017	0.00	32.75	67.15	67.15	
		TOTAL					**0.00**
MW-32	100.70	3/17/14	0.00	13.37	86.82	86.82	
		6/9/14	0.00	16.37	83.82	83.82	
		9/23/14	0.02	21.76	78.43	78.45	
		12/16/14	0.00	13.85	86.34	86.34	
		3/6/2015	0.00	15.40	84.79	84.79	
		6/16/2015	0.00	15.01	85.18	85.18	
		9/21/2015	0.00	14.79	85.40	85.40	
		12/7/2015	0.00	8.91	91.28	91.28	
		3/22/2016	0.00	7.63	93.07	93.07	
		6/23/2016	NM	NM	NM	NA	
		9/7/2016	0.00	23.27	77.43	77.43	
		12/27/2016	0.01	12.86	87.84	87.85	
		3/27/2017	0.01	10.09	90.61	90.62	
		6/28/2017	0.01	16.97	83.73	83.74	
		9/6/2017	0.08	22.16	78.54	78.62	
		12/14/2017	0.02	15.70	85.00	85.02	
		TOTAL					**14.15**
MW-37	97.98	9/21/15	0.66	26.85	71.13	71.79	1.00
		10/7/15	0.82	27.24	70.74	71.56	0.20
		10/14/15	0.41	26.62	71.36	71.77	0.50
		10/20/15	0.46	26.66	71.32	71.78	0.50
		11/4/15	0.38	26.15	71.83	72.21	0.50
		11/11/15	0.22	25.58	72.40	72.62	0.50
		11/18/15	0.21	24.24	73.74	73.95	0.20
		12/7/15	0.00	20.19	77.79	77.79	
		12/23/15	0.00	17.29	80.69	80.69	
		1/6/16	0.00	17.91	80.07	80.07	
		3/22/16	0.00	16.12	81.86	81.86	
		6/23/16	0.10	23.05	74.93	75.03	
		7/15/16	0.32	24.42	73.56	73.88	0.10
		7/25/16	0.16	24.81	73.17	73.33	0.10
		8/10/16	0.26	25.76	72.22	72.48	0.10
		9/2/16	0.38	26.94	71.04	71.42	0.20
		9/7/16	0.24	26.83	71.15	71.39	
		9/21/16	0.35	27.08	70.90	71.25	0.30
		10/18/16	0.18	25.73	72.25	72.43	0.20
		11/3/16	0.00	20.45	77.53	77.53	
		11/29/16	0.00	16.65	81.33	81.33	
		12/15/16	0.00	16.85	81.13	81.13	
		12/27/16	sheen	16.35	81.63	81.63	
		1/13/17	0.00	17.29	80.69	80.69	
		2/10/17	0.00	15.39	82.59	82.59	
		3/27/17	0.00	14.79	83.19	83.19	
		4/28/17	0.00	16.23	81.75	81.75	
		5/26/17	0.00	16.93	81.05	81.05	
		6/8/17	0.00	13.77	84.21	84.21	
		6/9/17	0.00	16.28	81.70	81.70	
		6/15/17	0.00	18.58	79.40	79.40	
		6/23/17	0.00	19.45	78.53	78.53	
		6/28/17	0.005	21.51	76.47	76.48	
		7/21/17	0.28	23.62	74.36	74.64	
		7/31/17	0.34	24.30	73.68	74.02	0.20
		8/31/17	0.48	26.04	71.94	72.42	0.50
		9/6/17	0.41	26.37	71.61	72.02	

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Well	Elevation (feet)	Date	LNAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Potentiometric Surface (feet)	LNAPL Volume Purged[a] (gallons)
MW-37	97.98	10/13/17	0.81	28.39	69.59	70.40	1.00
		10/27/17	0.07	25.42	72.56	72.63	0.30
		11/6/17	0.41	26.44	71.54	71.95	0.20
		11/22/17	0.11	16.83	81.15	81.26	0.10
		12/14/2017	0.00	23.24	74.74	74.74	
		TOTAL					**6.70**
MW-38	99.5	9/21/15	0.30	29.13	70.37	70.67	0.20
		10/7/15	1.28	28.70	70.80	72.08	1.50
		10/14/15	1.14	28.17	71.33	72.47	1.00
		10/20/15	0.69	27.85	71.65	72.34	0.10
		11/4/15	0.15	27.22	72.28	72.43	0.20
		11/11/15	0.04	25.90	73.60	73.64	0.10
		11/18/15	0.00	21.68	77.82	77.82	0.00
		12/7/15	0.00	18.62	80.88	80.88	
		12/23/15	0.00	17.00	82.50	82.50	
		1/6/16	0.00	19.32	80.18	80.18	
		3/22/16	0.00	15.75	83.75	83.75	
		6/23/16	0.00	23.93	75.57	75.57	
		7/15/16	0.00	25.19	74.31	74.31	
		7/25/16	0.00	25.72	73.78	73.78	
		8/10/16	0.00	26.58	72.92	72.92	
		9/2/16	1.47	28.89	70.61	72.08	0.30
		9/7/16	0.95	28.56	70.94	71.89	
		9/21/16	1.98	29.48	70.02	72.00	0.50
		10/18/16	0.67	24.07	75.43	76.10	0.50
		11/29/16	0.00	15.35	84.15	84.15	
		12/15/16	0.00	16.97	82.53	82.53	
		12/27/16	sheen	15.59	83.91	83.91	
		1/13/17	0.00	17.18	82.32	82.32	
		2/10/17	0.00	9.88	89.62	89.62	
		3/27/17	0.00	10.27	89.23	89.23	
		4/28/17	0.00	14.70	84.80	84.80	
		5/26/17	0.00	17.35	82.15	82.15	
		6/8/17	0.00	13.55	85.95	85.95	
		6/9/17	0.00	16.47	83.03	83.03	
		6/15/17	0.00	18.96	80.54	80.54	
		6/23/17	0.00	19.62	79.88	79.88	
		6/28/17	0.00	21.83	77.67	77.67	
		8/31/17	1.40	27.88	71.62	73.02	1.00
		9/6/17	0.65	27.68	71.82	72.47	
		10/13/17	1.79	30.93	68.57	70.36	1.70
		10/27/17	1.05	25.74	73.76	74.81	1.00
		11/6/17	0.54	24.97	74.53	75.07	0.20
		11/22/17	0.01	11.01	88.49	88.50	
		12/14/2017	0.00	19.25	80.25	80.25	
		TOTAL					**8.30**
E-1	98.56	1/10/14	0.33	23.78	74.78	75.11	0.25
		1/27/14	1.10	22.45	76.11	77.21	1.00
		2/7/14	1.32	22.22	76.34	77.66	1.25
		2/21/14	2.48	21.04	77.52	80.00	2.50
		3/7/14	1.12	19.78	78.78	79.90	1.00
		3/17/14	0.59	18.64	79.92	80.51	0.50
		3/31/14	0.78	18.69	79.87	80.65	0.75
		4/17/14	1.00	18.83	79.73	80.73	1.00
		4/25/14	0.48	19.07	79.49	79.97	0.50
		5/16/14	1.09	19.38	79.18	80.27	1.00
		5/23/14	0.73	19.97	78.59	79.32	0.75
		6/6/14	1.12	20.48	78.08	79.20	1.00
		6/9/14	0.71	20.55	78.01	78.72	0.75
		6/25/14	0.75	21.09	77.47	78.22	0.75
		8/15/14	2.31	24.65	73.91	76.22	2.50
		8/26/14	1.65	25.62	72.94	74.59	1.75
		9/17/14	2.11	27.00	71.56	73.67	2.00
		9/23/14	2.40	27.00	71.56	73.96	3.00
		10/8/14	2.00	26.51	72.05	74.05	2.00
		10/17/14	1.32	25.62	72.94	74.26	1.25
		10/23/14	1.26	23.90	74.66	75.92	1.25
		10/30/14	1.01	22.98	75.58	76.59	1.00
		11/19/14	1.51	22.41	76.15	77.66	1.50
		11/20/14	0.47	21.80	76.76	77.23	0.50
		11/24/14	0.43	21.76	76.80	77.23	0.50
		12/11/14	0.61	20.41	78.15	78.76	0.50
		12/16/14	0.93	19.12	79.44	80.37	1.00
		1/6/2015	0.78	19.43	79.13	79.91	1.00
		1/22/2015	0.67	19.55	79.01	79.68	1.00
		2/10/2015	1.21	19.98	78.58	79.79	1.50
		3/6/2015	1.60	19.75	78.81	80.41	2.00
		4/2/2015	1.89	19.93	78.63	80.52	2.25
		4/16/2015	1.43	20.05	78.51	79.94	2.00
		4/30/2015	1.04	20.43	78.13	79.17	1.00

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E-1	98.56	5/11/2015	0.68	20.52	78.04	78.72	0.50
		5/22/2015	0.78	21.66	76.90	77.68	1.00
		6/16/2015	0.54	22.34	76.22	76.76	0.50
		7/8/2015	0.34	23.69	74.87	75.21	0.25
		7/28/2015	0.00	24.56	74.00	74.00	
		8/18/2015	0.00	24.99	73.57	73.57	
		9/2/2015	0.00	25.63	72.93	72.93	
		9/21/2015	0.00	26.18	72.38	72.38	
		10/7/2015	0.90	27.00	71.56	72.46	2.20
		10/14/2015	0.35	26.61	71.95	72.30	0.30
		10/20/2015	0.35	26.62	71.94	72.29	0.25
		11/4/2015	0.56	26.38	72.18	72.74	0.50
		11/11/2015	0.29	25.69	72.87	73.16	0.10
		11/18/2015	0.32	24.65	73.91	74.23	0.20
		12/11/2015	0.12	19.84	78.72	78.84	0.10
		12/23/2015	0.32	18.83	79.73	80.05	0.50
		1/6/2016	0.17	18.98	79.58	79.75	0.10
		1/25/2016	0.22	17.37	81.19	81.41	0.10
		2/8/2016	0.22	17.75	80.81	81.03	0.10
		2/26/2016	0.26	17.61	80.95	81.21	0.40
		3/9/2016	0.19	17.07	81.49	81.68	0.40
		3/22/2016	0.30	17.50	81.06	81.36	0.20
		4/18/2016	0.36	18.75	79.81	80.17	0.40
		4/29/2016	0.30	19.77	78.79	79.09	0.30
		5/11/2016	0.59	20.79	77.77	78.36	0.00
		5/24/2016	0.63	21.34	77.22	77.85	0.90
		6/3/2016	0.43	22.23	76.33	76.76	0.50
		7/15/2016	0.79	24.54	74.02	74.81	1.00
		7/25/2016	0.48	24.75	73.81	74.29	1.00
		8/10/2016	0.49	25.65	72.91	73.40	1.00
		9/21/2016	1.05	27.45	71.11	72.16	1.00
		10/18/2016	0.74	24.62	73.94	74.68	
		11/3/2016	1.28	15.58	82.98	84.26	1.10
		1/3/2017	0.33	16.28	82.28	82.61	1.00
		1/13/2017	0.54	15.97	82.59	83.13	0.20
		1/23/2017	0.83	10.58	87.98	88.81	0.50
		2/10/2017	0.32	17.23	81.33	81.65	0.40
		3/3/2017	0.28	17.25	81.31	81.59	0.40
		3/27/2017	0.29	16.45	82.11	82.40	0.50
		4/12/2017	0.14	16.27	82.29	82.43	0.40
		4/28/2017	0.13	17.39	81.17	81.30	0.30
		5/12/2017	0.25	17.27	81.29	81.54	0.30
		5/26/2017	0.01	16.82	81.74	81.75	0.10
		6/23/2017	0.02	12.90	85.66	85.68	
		8/10/2017	3.37	26.50	72.06	75.43	7.00
		8/28/2017	1.44	25.78	72.78	74.22	3.00
		8/31/2017	1.39	26.15	72.41	73.80	2.50
		TOTAL					**658.75**
E-2	99.09	10/7/15	0.15	23.32	75.77	75.92	0.60
		10/14/15	0.08	21.29	77.80	77.88	0.20
		10/20/15	0.01	19.46	79.63	79.64	
		11/4/15	0.29	24.90	74.19	74.48	0.20
		11/11/15	0.36	23.90	75.19	75.55	0.20
		11/18/15	0.14	21.36	77.73	77.87	0.10
		12/23/15	0.00	19.14	79.95	79.95	
		1/3/17	0.00	9.16	89.93	89.93	
		TOTAL					**6.25**
E-9	100.04	8/13/14	NA	NA	--	--	30.00
		8/14/14	NA	NA	--	--	16.00
		8/15/14	NA	NA	--	--	23.00
		8/26/14	4.55	28.43	79.93	84.48	30.00
		9/10/14	4.33	29.00	79.53	83.86	24.00
		9/17/14	4.02	29.76	78.99	83.01	27.00
		9/23/14	4.88	30.02	78.81	83.69	20.00
		10/8/14	4.64	29.01	79.52	84.16	16.00
		10/17/14	4.69	28.50	79.88	84.57	16.00
		10/23/14	5.27	27.88	80.32	85.59	14.00
		10/30/14	5.00	27.22	80.79	85.79	18.00
		11/19/14	5.20	26.09	81.59	86.79	105.00
		11/20/14	3.77	24.98	82.37	86.14	37.00
		11/24/14	3.12	23.92	83.12	86.24	24.00
		12/11/14	2.98	22.88	83.86	86.84	22.00
		12/16/14	2.76	22.14	84.38	87.14	24.00
		1/6/2015	2.55	24.30	82.85	85.40	22.00
		1/22/2015	3.01	25.40	82.08	85.09	24.00
		2/10/2015	3.33	27.66	80.48	83.81	27.00
		3/6/2015	3.87	30.57	78.42	82.29	9.00
		4/2/2015	2.84	30.43	78.52	81.36	7.00
		4/16/2015	2.05	31.11	78.04	80.09	5.00
		4/30/2015	1.98	31.55	77.73	79.71	6.00

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E-9	100.04	5/11/2015	1.66	31.93	77.46	79.12	7.40
		5/22/2015	1.07	32.00	77.41	78.48	3.00
		6/16/2015	0.56	33.11	76.62	77.18	2.00
		7/8/2015	0.00	33.54	76.32	76.32	
		7/28/2015	0.00	34.57	75.59	75.59	
		8/18/2015	0.00	34.45	75.68	75.68	
		9/2/2015	0.00	34.77	75.45	75.45	
		9/21/2015	0.00	35.62	74.85	74.85	
		10/7/2015	0.00	36.75	74.05	74.05	
		10/14/2015	0.00	36.76	74.04	74.04	
		10/20/2015	0.00	36.73	74.06	74.06	
		11/4/2015	0.02	33.82	76.12	76.14	0.10
		12/7/2015	0.06	29.34	79.29	79.35	0.10
		12/11/2015	0.04	28.63	79.79	79.83	0.10
		12/23/2015	0.00	27.62	80.51	80.51	
		1/6/2016	Sheen	28.09	80.17	80.17	0.10
		1/25/2016	0.00	25.33	82.13	82.13	
		2/8/2016	0.00	26.02	81.64	81.64	
		2/26/2016	0.00	25.85	81.76	81.76	
		4/18/2016	0.00	28.00	80.24	80.24	
		4/28/2017	0.02	25.43	74.61	74.63	0.01
		5/26/2017	0.00	26.15	73.89	73.89	
		7/5/2017	0.00	30.28	69.76	69.76	
		7/21/2017	0.02	32.73	67.31	67.33	
		8/31/2017	0.75		100.04	100.79	
		11/6/2017	1.82	32.79	67.25	69.07	1.50
		TOTAL					**560.31**
E-10	100.30	3/6/15	0.00	17.91	87.63	87.63	
		10/7/15	0.00	28.83	79.91	79.91	
		10/14/15	0.00	28.49	80.15	80.15	
		10/20/15	0.00	25.96	81.94	81.94	
		11/4/15	0.04	26.30	81.70	81.74	0.10
		11/11/15	0.04	25.14	82.52	82.56	0.10
		11/18/15	0.00	22.64	84.29	84.29	
		12/23/15	0.01	17.54	87.90	87.91	0.10
		1/6/16	0.00	18.17	87.45	87.45	
		1/25/16	0.00	16.00	88.98	88.98	
		2/8/16	0.00	16.16	88.87	88.87	
		2/26/16	0.00	16.21	88.84	88.84	
		4/18/16	0.00	17.76	87.74	87.74	
		4/28/17	0.01	15.97	84.33	84.34	0.10
		5/26/17	0.00	16.69	83.61	83.61	
		6/23/17	0.02	20.35	79.95	79.97	
		7/21/17	0.01	21.96	78.34	78.35	
		TOTAL					**0.40**
E-12	98.38	12/7/15	4.22	19.43	78.95	83.17	8.00
		12/11/15	1.10	17.60	80.78	81.88	3.25
		12/23/15	0.68	16.32	82.06	82.74	0.75
		1/6/16	0.38	17.36	81.02	81.40	0.50
		1/25/16	0.03	14.16	84.22	84.25	0.10
		2/8/16	0.02	14.71	83.67	83.69	0.10
		2/26/16	0.05	14.97	83.41	83.46	0.20
		3/9/16	Sheen	13.71	84.68	84.68	0.10
		4/18/16	0.27	18.10	80.28	80.55	0.30
		4/29/16	0.05	18.99	79.39	79.44	0.20
		5/11/16	0.24	20.27	78.11	78.35	0.20
		5/24/16	0.33	21.06	77.32	77.65	0.40
		6/3/16	0.19	22.03	76.35	76.54	0.20
		7/15/16	0.16	24.51	73.87	74.03	
		7/25/16	0.31	25.13	73.25	73.56	0.40
		8/10/16	0.49	26.09	72.29	72.78	7.00
		9/2/16	0.37	26.62	71.76	72.13	0.60
		9/21/16	0.51	26.36	72.02	72.53	0.60
		10/18/16	1.41	26.62	71.76	73.17	4.50
		11/3/16	4.36	12.86	85.52	89.88	6.50
		11/29/16	0.48	14.38	84.00	84.48	0.50
		12/5/16	0.10	14.59	83.79	83.89	0.30
		1/3/17	0.00	13.09	85.29	85.29	
		1/13/17	0.01	11.88	86.50	86.51	
		1/23/17	0.00	11.26	87.12	87.12	
		2/10/17	0.00	10.56	87.82	87.82	
		3/3/17	0.00	20.56	77.82	77.82	
		3/27/17	0.00	10.55	87.83	87.83	
		4/28/17	0.00	20.97	77.41	77.41	
		5/26/17	0.00	12.83	85.55	85.55	
		6/23/17	0.00	13.41	84.97	84.97	
		7/21/17	0.38	22.97	75.41	75.79	
		7/31/17	0.68	24.23	74.15	74.83	1.00

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E-12	98.38	8/31/17	0.75	26.09	72.29	73.04	1.20
		10/13/17	0.05	26.64	71.74	71.79	
		10/27/17	0.00	13.32	85.06	85.06	
		TOTAL					**36.90**
R-1	--	4/12/17	--	15.23	--	--	
		TOTAL					**0.00**
R-4	--	3/6/15	0.02	16.67	--	--	0.10
		10/7/15	0.01	37.10	--	--	0.10
		10/14/15	0.02	37.10	--	--	0.10
		10/20/15	0.02	37.25	--	--	0.10
		11/4/15	0.02	37.25	--	--	0.10
		11/11/15	0.01	37.13	--	--	0.10
		11/18/15	0.01	34.26	--	--	0.10
		12/23/15	0.02	14.71	--	--	0.10
		1/6/16	0.00	15.09	--	--	
		1/25/16	0.00	12.12	--	--	
		2/8/16	0.00	12.46	--	--	
		2/26/16	0.01	12.59	--	--	
		3/9/16	0.02	20.57	--	--	
		4/18/16	0.10	13.74	--	--	
		4/28/16	0.00	14.79	--	--	
		5/11/16	0.00	16.43	--	--	
R-4	--	5/24/16	0.01	21.25	--	--	
		6/3/16	0.02	24.70	--	--	
		7/15/16	0.00	31.43	--	--	
		7/25/16	0.00	32.58	--	--	
		8/10/16	0.01	34.17	--	--	
		9/2/16	0.01	36.26	--	--	
		9/21/16	0.03	37.03	--	--	
		10/18/16	0.01	34.80	--	--	
		11/29/16	0.00	12.27	--	--	
		2/10/17	0.00	8.51	--	--	
		3/3/17	0.01	9.72	--	--	
		3/27/17	0.01	8.62	--	--	
		4/28/17	0.02	9.40	--	--	0.10
		5/26/17	0.00	10.04	--	--	
		6/23/17	0.01	14.42	--	--	
		TOTAL					**0.90**
R-7	--	3/6/15	2.85	30.90	--	--	5.00
		8/10/16	1.49	27.74	--	--	7.00
		9/2/16	0.33	27.96	--	--	0.60
		9/21/16	0.13	28.00	--	--	0.50
		10/18/16	0.14	26.97	--	--	0.40
		11/3/16	0.00	21.73	--	--	
		11/29/16	0.00	18.25	--	--	
		12/15/16	0.00	18.59	--	--	
		3/3/17	0.00	17.80	--	--	
		3/27/17	0.00	16.67	--	--	
		TOTAL					**13.50**
R-9	--	8/10/16	0.22	26.31	--	--	0.40
		9/2/16	0.33	27.54	--	--	0.60
		9/21/16	0.23	27.64	--	--	0.00
		10/18/16	0.26	27.09	--	--	1.00
		11/3/16	0.60	20.63	--	--	2.10
		11/29/16	0.22	17.54	--	--	0.40
		12/15/16	0.01	17.64	--	--	0.30
		1/3/17	0.90	17.74	--	--	0.50
		1/13/17	0.02	18.03	--	--	0.00
		1/23/17	0.00	16.90	--	--	0.00
		2/10/17	0.00	16.55	--	--	0.00
		3/3/17	0.00	16.82	--	--	0.00
		3/27/17	0.00	15.59	--	--	0.00
		4/28/17	0.00	18.72	--	--	0.00
		7/21/17	0.22	23.81	--	--	0.00
		7/31/17	0.25	24.49	--	--	0.20
		TOTAL					**5.50**
R-11	--	8/13/14	NA	NA	--	--	15.00
		8/14/14	NA	NA	--	--	17.00
		8/15/14	NA	NA	--	--	15.00
		8/26/14	6.52	28.04	--	--	17.00
		9/10/14	5.67	28.73	--	--	7.00
		9/17/14	5.08	29.62	--	--	8.00
		9/23/14	5.74	29.72	--	--	13.00
		10/8/14	4.97	29.07	--	--	10.00
		10/17/14	4.65	28.55	--	--	7.00
		10/23/14	4.44	27.89	--	--	11.00
		10/30/14	4.58	27.54	--	--	12.00
		11/19/14	5.00	26.63	--	--	18.00

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R-11	--	11/20/14	3.98	25.36	--	--	18.00
		11/24/14	3.56	24.58	--	--	11.00
		12/11/14	3.98	23.44	--	--	13.00
		12/16/14	3.54	22.39	--	--	12.00
		1/6/2015	3.13	23.31	--	--	12.00
		1/22/2015	3.09	24.42	--	--	12.00
		2/10/2015	2.51	24.99	--	--	7.00
		3/6/2015	1.33	26.75	--	--	6.00
		4/2/2015	0.78	28.88	--	--	4.00
		4/16/2015	0.73	30.09	--	--	3.00
		4/30/2015	0.45	31.11	--	--	3.00
		5/11/2015	0.39	31.70	--	--	3.30
		6/16/2015	0.31	32.98	--	--	0.50
		10/7/2015	0.40	39.50	--	--	0.60
		10/14/2015	1.12	39.57	--	--	3.00
		10/20/2015	0.07	38.52	--	--	0.10
		11/4/2015	0.02	38.20	--	--	0.10
		11/11/2015	0.01	37.32	--	--	0.10
		11/18/2015	0.02	35.78	--	--	0.10
		12/11/2015	0.00	30.01	--	--	
		12/23/2015	0.00	28.65	--	--	
		1/6/2016	0.08	29.15	--	--	0.10
		1/25/2016	0.01	26.46	--	--	
		2/8/2016	0.01	27.10	--	--	
		2/26/2016	0.00	27.07	--	--	
		4/18/2016	0.65	29.55	--	--	1.75
		4/29/2016	0.35	20.85	--	--	1.50
		5/11/2016	0.29	21.56	--	--	0.60
		5/24/2016	0.04	31.96	--	--	0.40
		6/3/2016	0.03	24.70	--	--	
		7/15/2016	0.00	36.26	--	--	
		7/25/2016	0.01	36.85	--	--	
		9/21/2016	0.03	39.58	--	--	
		10/18/2016	0.01	37.43	--	--	
		11/29/2016	0.01	27.71	--	--	
		2/10/2017	0.02	25.43	--	--	
		3/3/2017	0.02	26.04	--	--	0.10
		3/27/2017	0.01	24.48	--	--	
		4/28/2017	0.03	26.45	--	--	
		6/23/2017	0.52	30.85	--	--	0.80
		11/6/2017	0.02	33.81	--	--	
		TOTAL					**264.05**
RW-3	100.29	1/10/14	0.09	24.65	75.64	75.73	0.10
		1/27/14	0.05	23.54	76.75	76.80	0.10
		2/7/14	0.05	23.41	76.88	76.93	0.10
		2/21/14	0.37	20.63	79.66	80.03	1.00
		3/17/14	0.03	19.64	80.65	80.68	0.10
		6/9/14	0.32	22.74	77.55	77.87	0.75
		6/25/14	0.25	23.87	76.42	76.67	0.50
		8/15/14	0.75	25.72	74.57	75.32	1.50
		8/26/14	1.24	26.77	73.52	74.76	2.50
		9/17/14	1.88	27.66	72.63	74.51	3.50
		9/23/14	1.52	28.12	72.17	73.69	3.00
		10/8/14	1.23	27.85	72.44	73.67	2.50
		10/17/14	1.17	26.57	73.72	74.89	2.40
		10/23/14	0.44	24.98	75.31	75.75	1.00
		10/30/14	0.23	24.33	75.96	76.19	0.50
		11/19/14	0.60	23.35	76.94	77.54	1.25
		12/16/14	0.09	19.89	80.40	80.49	0.25
		1/6/2015	0.09	21.05	79.24	79.33	0.25
		1/22/2015	0.06	22.30	77.99	78.05	0.10
		2/10/2015	0.03	25.67	74.62	74.65	0.10
		3/6/2015	0.03	28.12	72.17	72.20	0.10
		5/11/2015	0.02	21.67	78.62	78.64	0.10
		6/16/2015	0.03	23.43	76.86	76.89	0.10
		9/2/2015	0.45	26.67	73.62	74.07	0.50
		10/7/2015	0.72	28.50	71.79	72.51	1.20
		10/14/2015	0.65	28.12	72.17	72.82	4.00
		10/20/2015	0.41	27.96	72.33	72.74	2.00
		11/4/2015	0.57	27.65	72.64	73.21	1.80
		11/11/2015	0.41	27.05	73.24	73.65	1.00
		11/18/2015	0.43	25.83	74.46	74.89	1.50
		12/11/2015	0.51	21.45	78.84	79.35	1.75
		12/23/2015	0.38	20.22	80.07	80.45	0.75
		1/6/2016	0.11	20.55	79.74	79.85	0.10
		1/25/2016	0.10	18.53	81.76	81.86	0.10
		2/8/2016	0.09	19.14	81.15	81.24	0.10
		2/26/2016	0.07	19.05	81.24	81.31	0.20
		3/9/2016	0.05	18.27	82.02	82.07	0.20

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RW-3	100.29	3/22/2016	0.05	18.91	81.38	81.43	0.10
		4/18/2016	0.05	20.55	79.74	79.79	0.25
		4/29/2016	0.05	21.25	79.04	79.09	0.30
		5/1/2016	0.19	22.21	78.08	78.27	0.50
		5/24/2016	0.12	22.65	77.64	77.76	0.50
		6/3/2016	0.08	23.63	76.66	76.74	0.40
		7/15/2016	0.02	25.66	74.63	74.65	0.00
		7/25/2016	0.18	26.17	74.12	74.30	0.20
		9/21/2016	0.07	28.18	72.11	72.18	0.50
		10/18/2016	0.14	27.00	73.29	73.43	0.50
		11/3/2016	0.16	22.96	77.33	77.49	0.70
		11/29/2016	0.12	19.48	80.81	80.93	0.40
		12/15/2016	0.09	19.67	80.62	80.71	0.40
		1/3/2017	0.02	19.44	80.85	80.87	0.30
		1/13/2017	0.02	19.96	80.33	80.35	
		1/23/2017	0.00	18.23	82.06	82.06	
		2/10/2017	0.00	18.27	82.02	82.02	
		3/3/2017	0.00	18.94	81.35	81.35	
		3/27/2017	0.00	17.89	82.40	82.40	
		4/12/2017	0.00	17.75	82.54	82.54	
		4/28/2017	0.00	19.09	81.20	81.20	
		5/12/2017	0.00	18.99	81.30	81.30	
		5/26/2017	0.00	19.73	80.56	80.56	
		6/23/2017	0.03	22.46	77.83	77.86	0.40
		6/28/2017	0.01	23.46	76.83	76.84	
		7/21/2017	0.00	24.90	75.39	75.39	
		7/31/2017	0.00	25.68	74.61	74.61	
		8/10/2017	0.00	26.34	73.95	73.95	
		8/31/2017	0.00	27.19	73.10	73.10	
		9/6/2017	0.00	27.52	72.77	72.77	
		10/13/2017	0.06	29.03	71.26	71.32	0.20
		10/27/2017	0.04	25.95	74.34	74.38	0.10
		11/6/2017	0.68	25.68	74.61	75.29	0.40
		11/22/2017	0.12	20.32	79.97	80.09	8.00
		12/14/2017	0.00	25.90	74.39	74.39	
		TOTAL					**503.84**
VE-1		**TOTAL**					**0.68**
VE-2	100.19	1/10/14	1.13	24.80	75.39	76.52	1.00
		1/27/14	0.53	23.51	76.68	77.21	0.50
		2/7/14	0.12	22.70	77.49	77.61	0.10
		3/17/14	1.40	20.62	79.57	80.97	1.00
		3/31/14	0.23	21.13	79.06	79.29	0.20
		4/17/14	0.04	21.52	78.67	78.71	0.10
		6/9/14	0.16	22.48	77.71	77.87	0.20
		9/23/14	0.59	27.37	72.82	73.41	0.50
		12/16/14	1.80	21.15	79.04	80.84	2.00
		1/6/2015	1.00	20.44	79.75	80.75	1.50
		1/22/2015	0.98	21.32	78.87	79.85	1.50
		2/10/2015	0.78	20.82	79.37	80.15	1.00
		3/6/2015	1.69	21.40	78.79	80.48	1.25
		4/2/2015	0.78	22.34	77.85	78.63	1.00
		4/16/2015	0.40	23.33	76.86	77.26	0.50
		4/30/2015	0.20	24.60	75.59	75.79	0.25
		5/11/2015	0.00	25.67	74.52	74.52	
		5/22/2015	0.00	25.40	74.79	74.79	
		6/16/2015	0.00	25.69	74.50	74.50	
		9/21/2015	0.00	27.25	72.94	72.94	
		12/23/2015	0.00	27.25	72.94	72.94	
		2/8/2016	1.90	21.21	78.98	80.88	1.30
		2/26/2016	0.12	19.42	80.77	80.89	0.20
		3/9/2016	0.19	18.41	81.78	81.97	0.40
		3/22/2016	0.09	18.52	81.67	81.76	0.10
		4/18/2016	0.07	20.46	79.73	79.80	0.25
		4/29/2016	0.04	21.09	79.10	79.14	0.30
		5/1/2016	0.02	21.95	78.24	78.26	
		5/24/2016	0.02	22.45	77.74	77.76	
		6/3/2016	0.03	23.49	76.70	76.73	
		7/15/2016	0.55	25.70	74.49	75.04	0.25
		7/25/2016	0.20	26.20	73.99	74.19	0.20
		8/10/2016	1.62	26.82	73.37	74.99	0.30
		1/13/2017	1.61	21.03	79.16	80.77	1.00
		1/23/2017	1.59	19.73	80.46	82.05	1.50
		2/10/2017	0.12	18.50	81.69	81.81	0.20
		3/3/2017	0.04	18.76	81.43	81.47	0.20
		3/27/2017	0.03	17.86	82.33	82.36	0.20
		4/12/2017	0.01	17.90	82.29	82.30	
		4/28/2017	0.01	19.00	81.19	81.20	
		5/12/2017	0.01	18.90	81.29	81.30	
		5/26/2017	0.01	19.60	80.59	80.60	0.10
		6/23/2017	7.72	27.27	72.92	80.64	8.00

Table 1
Summary of LNAPL Recovery Data Starting 2014
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Well	Elevation (feet)	Date	LNAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Potentiometric Surface (feet)	LNAPL Volume Purged[a] (gallons)
VE-2	100.19	6/28/2017	3.80	26.16	74.03	77.83	
		7/5/2017	3.49	26.31	73.88	77.37	0.50
		7/21/2017	1.14	25.72	74.47	75.61	
		7/31/2017	1.72	26.81	73.38	75.10	2.70
		8/10/2017	0.00	26.11	74.08	74.08	
		8/31/2017	0.38	27.27	72.92	73.30	
		9/6/2017	0.01	27.27	72.92	72.93	
		11/6/2017	3.30	27.27	72.92	76.22	15.00
		11/22/2017	6.64	25.26	74.93	81.57	10.00
		12/14/2017*	1.78	27.27	72.92	74.70	
		TOTAL					**127.56**
TOTAL GALLONS REMOVED PRIOR TO EPI				**3,313.44**			
CUMULATIVE TOTAL (gal)				**5,801.92**			

Notes:

a Totals include the amount of light non-aqueous phase liquid (LNAPL) purged prior to 2014.
MW-9 was decommissioned and replaced by MW-9S on 12/21/05.
MW-6 was decommissioned and replaced by MW-6S on 1/13/06.
MW-8 was decommissioned and replaced by MW-8S and MW-8D on 11/28/06.
LNAPL Light non-aqueous phase liquid.
NA Not applicable.
* Obstruction in VE-2 at 27.27 feet.

Table 2
Air Sample Analytical Results (in µg/L)
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Sample ID	Sample Date	Petroleum Hydrocarbons	Volatile Organic Compounds[b]			
		GRO[a]	Benzene	Toluene	Ethylbenzene	Total Xylenes
SP-1	10/18/2016	3,530 D	73.7 D	135 D	18.1 D	90.7 D
	11/14/2016	493 D	3.93 D	14.3 D	3.31	17 D
	1/13/2017	<5.00	<0.100	0.224	<0.100	<0.100
	6/7/2017	3,070 DQ	26.4 D	88.5 D	20.2 D	96.9 D
	6/7/2017	52,600 DEQ	662 DE	1,890 DE	208 D	860 D
	6/7/2017	36,000 D	501 D	1,650 DE	161 D	688 D
	6/9/2017	2,850 D	6.36 D	24.2 D	3.90 D	19.05 D
	6/15/2017	7.44	<0.100	0.233	<0.100	0.125
	9/26/2017	604 D	9.65 D	6.46 D	0.262	0.898
	10/27/2017	9,320 D	144 D	235 D	17.3 D	49.7 D
	11/30/2017	6.03	<0.100	<0.100	<0.100	<0.100
	12/27/2017	1,930 D	9.5 0 D	36.7 D	1.43	17.69
SP-3	10/18/2016	1,170 D	24.4 D	44.4 D	6.7 D	31.99 D
	11/14/2016	56.8	0.275	1.62	0.523	3.566
	1/13/2017	<5.00	<0.100	0.213	<0.100	<0.100
	6/7/2017	1,530 D	16.4 D	78.2 D	13.6 D	69.9 D
	6/9/2017	207	0.665	7.85 D	1.950	8.47 D
	6/15/2017	524	3.46	11.5 D	1.560	7.29 D
	9/26/2017	2,120 D	34.5 D	52.8 D	4.95 D	23.12 D
	10/27/2017	2,480 D	35.1 D	73.7 D	7.75 D	26.1 D
	11/30/2017	526	2.82	10.4	0.701	6.0
	12/27/2017	251 D	1.91	7.22 D	0.371	5.71
SP-4	10/18/2016	58.6	0.571	2.85	0.865	5.47
	11/14/2016	34.4	<0.100	0.231	<0.100	0.733
	1/13/2017	<5.00	<0.100	<0.100	<0.100	<0.100
	6/7/2017	496 D	4.55 D	41.6 D	9.07 D	47.9 D
	6/9/2017	<5.00	<0.100	0.181	<0.100	0.240
	6/15/2017	9.50	<0.100	0.348	0.118	0.846
	9/26/2017	15.4	0.162	0.525	<0.100	0.627
	10/27/2017	11.5	<0.100	<0.100	<0.100	0.198
	11/30/2017	<5.00	<0.100	<0.100	<0.100	0.135
	12/27/2017	<5.00	<0.100	<0.100	<0.100	<0.100

Notes:
All results presented in micrograms/liter (µg/L).
a Analyzed by EPA Method NWTPH-Gx.
b Analyzed by EPA Method 8260C.

Compounds:
GRO Gasoline-range organics

Qualifiers:
D Dilution was required.
E Estimated value. The amount exceeds the linear working range of the instrument.
Q Indicates an analyte with a continuing calibration that does not meet the established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Table 3
Summary of Operational and Monitoring Data for the AS/SVE System
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Date	Time Since Last Event (days)	Operational Time Since Last Event (days)	SVE System Flow Rate[a] (SCFM)	Influent GRO[b] (µg/L)	Influent Benzene[b] (µg/L)	Mass Removal			Mass Removal			Post Oxidizer GRO Effluent (µg/L)	Oxidizer Destruction Efficiency for GRO (%)	Post Oxidizer Benzene Effluent (µg/L)	Oxidizer Destruction Efficiency for Benzene
						GRO Removal Rate[c] (lbs/day)	GRO Removed During Period (lbs)	Cumulative GRO Removed (lbs)	Benzene Removal Rate[c] (lbs/day)	Benzene Removed During Period (lbs)	Cumulative Benzene Removed (lbs)				
10/18/2016	0	0	230	1,170	24	24.20	24.20	24.20	0.50	0.50	0.50	58.60	94.99	0.57	97.64
11/14/2016	27	27	225	493	0	9.97	269.28	293.5	0.01	2.74	3.2	34.40	93.02	<0.100	99.00
1/13/2017	60	25	225	<5.00	<0.100	0.00	0.00	293.5	0.00	0.00	3.2	<5.00	NA	<0.100	NA
6/7/2017	145	1	225	36000	501	728.28	728.28	1021.8	10.14	10.14	13.4	496	98.62	4.55	99.38
6/9/2017	2	2	235	207	1	4.37	8.75	1030.5	0.01	0.03	13.4	<5.00	97.58	<0.100	97.71
6/15/2017	6	6	235	524	3	11.07	66.43	1096.9	0.07	0.44	13.8	9.50	98.19	<0.100	99.10
9/26/2017	103	20	240	2,120	35	45.75	914.94	2011.9	0.74	14.89	28.7	15.40	99.27	0.16	99.65
10/27/2017	31	31	225	2,480	35	50.17	1555.29	3567.2	0.71	22.01	50.8	11.50	99.54	<0.100	99.80
11/30/2017	34	34	230	526	3	10.88	369.83	3937.0	0.06	1.98	52.7	<5.00	99.05	<0.100	99.08
12/27/2017	27	27	230	251	2	5.19	140.15	4077.1	0.04	1.07	53.8	<5.00	98.01	<0.100	98.07

Notes:

a SVE system flow rate taken from flow meter.

b Influent concentrations are based on laboratory analysis of monthly vapor samples.

c The removal rates are estimated using the following formula:
Removal Rate (lbs/day) = [(µg/L)] * [SVE System Flow Rate (SCFM)] * [28.3168 liters/cubic feet] * [2.205x10-9 pounds/microgram] * [1,440 minutes/day]

SVE	Soil vapor extraction
SCFM	Standard cubic feet per minute
µg/L	Micrograms per liter
lbs	Pounds
%	Percent
GRO	Gasoline-range organics
NM	Not measured

Table 4
Summary of Water Table Elevation Data
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Well	Elevation[a]	Date	Depth to Water[b] (feet)	Piezometric Elevation[c] (feet)	Change in Elevation[d] (feet)	LNAPL Thickness (feet)	Aquifer
MW-6S	100.35	3/17/2014	16.67	83.68	6.24		Shallow
		6/9/2014	20.02	80.33	-3.35		
		9/23/2014	26.22	74.13	-6.20		
		12/16/2014	17.00	83.35	9.22		
		3/24/2015	16.54	83.81	0.46		
		6/17/2015	22.90	77.45	-6.36		
		9/21/2015	27.10	73.25	-4.20		
		12/7/2015	20.89	79.46	6.21		
		3/22/2016	16.02	84.33	4.87		
		6/23/2016	23.24	77.11	-7.22		
		9/7/2016	27.23	73.12	-3.99		
		12/27/2016	16.53	83.82	10.70		
		3/27/2017	15.25	85.10	1.28		
		6/28/2017	22.14	78.21	-6.89		
		9/6/2017	26.67	73.68	-4.53		
		12/14/2017	15.98	84.37	10.69		
MW-6D	100.27	3/17/2014	20.52	79.75	5.02		Deep
		6/9/2014	22.95	77.32	-2.43		
		9/23/2014	27.30	72.97	-4.35		
		12/16/2014	20.82	79.45	6.48		
		3/24/2015	20.09	80.18	0.73		
		6/17/2015	23.68	76.59	-3.59		
		9/21/2015	28.01	72.26	-4.33		
		12/7/2015	23.95	76.32	4.06		
		3/22/2016	22.08	78.19	1.87		
		6/23/2016	23.16	77.11	-1.08		
		9/7/2016	28.04	72.23	-4.88		
		12/27/2016	20.09	80.18	7.95		
		3/27/2017	18.88	81.39	1.21		
		6/28/2017	24.03	76.24	-5.15		
		9/6/2017	29.93	70.34	-5.90		
		12/14/2017	28.42	71.85	1.51		
MW-8D	100.16	3/17/2014	20.75	79.41	4.50		Deep
		6/9/2014	22.90	77.26	-2.15		
		9/23/2014	27.19	72.97	-4.29		
		12/16/2014	20.64	79.52	6.55		
		3/24/2015	19.94	80.22	0.70		
		6/17/2015	22.90	77.26	-2.96		
		9/21/2015	25.88	74.28	-2.98		
		12/7/2015	23.35	76.81	2.53		
		3/22/2016	19.82	80.34	3.53		
		6/23/2016	23.86	76.30	-4.04		
		9/7/2016	28.09	72.07	-4.23		
		12/27/2016	19.92	80.24	8.17		
		3/27/2017	18.88	81.28	1.04		
		6/28/2017	23.85	76.31	-4.97		
		9/6/2017	27.82	72.34	-3.97		
		12/14/2017	25.18	74.98	2.64		
MW-8S	100.23	3/17/2014	17.85	82.38	5.73		Shallow
		6/9/2014	19.83	80.40	-1.98		
		9/23/2014	25.62	74.61	-5.79		
		12/16/2014	20.64	79.59	4.98		
		3/24/2015	17.34	82.89	3.30		
		6/17/2015	21.82	78.41	-4.48		
		9/21/2015	26.65	73.58	-4.83		
		12/7/2015	22.06	78.17	4.59		
		3/22/2016	17.35	82.88	4.71		
		6/23/2016	22.09	78.14	-4.74		
		9/7/2016	26.60	73.63	-4.51		
		12/27/2016	17.45	82.78	9.15		
		3/27/2017	16.37	83.86	1.08		
		6/28/2017	20.48	79.75	-4.11		
		9/6/2017	24.94	75.29	-4.46		
		12/14/2017	22.16	78.07	2.78		
MW-9S	99.96	3/17/2014	18.53	81.43	4.20		Shallow
		6/9/2014	19.35	80.61	-0.82	0.07	
		9/23/2014	24.89	75.07	-5.54	0.38	
		12/16/2014	17.70	82.26	7.19	0.1	
		3/24/2015	16.38	83.58	1.32	Sheen	
		6/17/2015	21.85	78.11	-5.47	0.15	
		9/21/2015	25.98	73.98	-4.13	0.64	
		12/7/2015	21.06	78.90	4.92	0.66	
		3/22/2016	15.94	84.02	5.12	0.34	
		6/23/2016	21.93	78.03	-5.99	0.42	
		9/7/2016	26.12	73.84	-4.19	0.70	
		12/27/2016	16.53	83.43	9.59	0.06	
		3/27/2017	15.18	84.78	1.35		
		6/28/2017	22.81	77.15	-7.63	0.72	
		9/6/2017	25.26	74.70	-2.45	0.43	
		12/14/2017	23.73	76.23	1.53		

Table 4
Summary of Water Table Elevation Data
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Island Center Texaco
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Well	Elevation[a]	Date	Depth to Water[b] (feet)	Piezometric Elevation[c] (feet)	Change in Elevation[d] (feet)	LNAPL Thickness (feet)	Aquifer
MW-9D	99.90	3/17/2014	19.35	80.55	5.27	Sheen	Deep
		6/9/2014	21.95	77.95	-2.60	0.01	
		9/23/2014	26.41	73.49	-4.46	0.17	
		12/16/2014	19.72	80.18	6.69	0.17	
		3/24/2015	19.05	80.85	0.67	0.17	
		6/17/2015	23.32	76.58	-4.27	Sheen	
		9/21/2015	27.20	72.70	-3.88	0.17	
		12/7/2015	23.02	76.88	4.18	0.13	
		3/22/2016	19.24	80.66	3.78	0.12	
		6/23/2016	23.40	76.50	-4.16	0.14	
		9/7/2016	27.29	72.61	-3.89	0.03	
		12/27/2016	18.89	81.01	8.40	0.04	
		3/27/2017	17.85	82.05	1.04	0.03	
		6/28/2017	23.03	76.87	-5.18	0.06	
		9/6/2017	27.01	72.89	-3.98	0.06	
		12/14/2017	26.43	73.47	0.58		
MW-11S	100.54	3/17/2014	14.50	86.04	4.39		Shallow
		6/9/2014	16.49	84.05	-1.99		
		9/23/2014	20.94	79.60	-4.45		
		12/16/2014	14.59	85.95	6.35		
		3/24/2015	14.17	86.37	0.42		
		6/17/2015	18.42	82.12	-4.25		
		9/21/2015	21.31	79.23	-2.89		
		12/7/2015	16.29	84.25	5.02		
		3/22/2016	13.74	86.80	2.55		
		6/23/2016	18.45	82.09	-4.71		
		9/7/2016	22.48	78.06	-4.03		
		12/27/2016	14.04	86.5	8.44		
		3/27/2017	13.08	87.46	0.96		
		6/28/2017	17.43	83.11	-4.35		
		9/6/2017	21.86	78.68	-4.43		
		12/14/2017	15.97	84.57	5.89		
MW-14	98.07	3/17/2014	17.63	80.44	5.08		Deep
		6/9/2014	20.38	77.69	-2.75		
		9/23/2014	24.84	73.23	-4.46		
		12/16/2014	17.97	80.10	6.87		
		3/24/2015	17.43	80.64	0.54		
		6/17/2015	22.74	75.33	-5.31		
		9/21/2015	25.59	72.48	-2.85		
		12/7/2015	19.37	78.70	6.22		
		3/22/16**	37.83	60.24	-18.46		
		6/23/2016	22.37	75.70	15.46		
		9/7/2016	25.81	72.26	-3.44		
		12/27/16***	38.05	60.02	-12.24		
		3/27/2017	16.13	81.94	21.92		
		6/28/2017	21.36	76.71	-5.23		
		9/6/2017	25.49	72.58	-4.13		
		12/14/2017	21.67	76.40	3.82		
MW-15	98.19	3/17/2014	17.38	80.81	5.01		Deep
		6/9/2014	20.09	78.10	-2.71		
		9/23/2014	24.53	73.66	-4.44		
		12/16/2014	17.75	80.44	6.78		
		3/24/2015	17.08	81.11	0.67		
		6/17/2015	22.40	75.79	-5.32		
		9/21/2015	25.27	72.92	-2.87		
		12/7/2015	19.60	78.59	5.67		
		3/22/2016	16.75	81.44	2.85		
		6/23/2016	22.03	76.16	-5.28		
		9/7/2016	25.46	72.73	-3.43		
		12/27/2016	17.01	81.18	8.45		
		3/27/2017	15.94	82.25	1.07		
		6/28/2017	21.02	77.17	-5.08		
		9/6/2017	25.15	73.04	-4.13		
		12/14/2017	21.23	76.96	3.92		
MW-16S	97.36	3/17/2014	14.81	82.55	7.11		Shallow
		6/9/2014	16.59	80.77	-1.78		
		9/23/2014	23.14	74.22	-6.55		
		12/16/2014	15.61	81.75	7.53		
		3/24/2015	14.82	82.54	0.79		
		6/17/2015	17.49	79.87	-2.67		
		9/21/2015	23.97	73.39	-6.48		
		12/7/2015	18.99	78.37	4.98		
		3/22/2016	16.20	81.16	2.79		
		6/23/2016	18.22	79.14	-2.02		
		9/7/2016	24.15	73.21	-5.93		
		12/27/2016	15.21	82.15	8.94		
		3/27/2017	14.92	82.44	0.29		
		6/28/2017	18.20	79.16	-3.28		
		9/6/2017	23.37	73.99	-5.17		
		12/14/2017	17.75	79.61	5.62		

Table 4
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Well	Elevation[a]	Date	Depth to Water[b] (feet)	Piezometric Elevation[c] (feet)	Change in Elevation[d] (feet)	LNAPL Thickness (feet)	Aquifer
MW-16D	97.37	3/17/2014	17.16	80.21	5.00		Deep
		6/9/2014	19.88	77.49	-2.72		
		9/23/2014	24.38	72.99	-4.50		
		12/16/2014	17.39	79.98	6.99		
		3/24/2015	16.78	80.59	0.61		
		6/17/2015	20.02	77.35	-3.24		
		9/21/2015	25.05	72.32	-5.03		
		12/7/2015	20.15	77.22	4.90		
		3/22/2016	18.28	79.09	1.87		
		6/23/2016	20.39	76.98	-2.11		
		9/7/2016	25.16	72.21	-4.77		
		12/27/2016	19.19	78.18	5.97		
		3/27/2017	15.53	81.84	3.66		
		6/28/2017	20.86	76.51	-5.33		
		9/6/2017	24.96	72.41	-4.10		
		12/14/2017	21.99	75.38	2.97		
MW-17	94.32	3/17/2014	16.37	77.95	3.16		Deep
		6/9/2014	17.20	77.12	-0.83		
		9/23/2014	21.74	72.58	-4.54		
		12/16/2014	14.72	79.60	7.02		
		3/24/2015	14.10	80.22	0.62		
		6/17/2015	19.56	74.76	-5.46		
		9/21/2015	23.43	70.89	-3.87		
		12/7/2015	17.62	76.70	5.81		
		3/22/2016	13.73	80.59	3.89		
		6/23/2016	19.19	75.13	-5.46		
		9/7/2016	22.65	71.67	-3.46		
		12/27/2016	13.98	80.34	8.67		
		3/27/2017	12.96	81.36	1.02		
		6/28/2017	18.03	76.29	-5.07		
		9/6/2017	22.29	72.03	-4.26		
		12/14/2017	17.23	77.09	5.06		
MW-18D	98.79	3/17/2014	19.80	78.99	5.21		Deep
		6/9/2014	22.63	76.16	-2.83		
		9/23/2014	27.12	71.67	-4.49		
		12/16/2014	20.09	78.70	7.03		
		3/24/2015	19.45	79.34	0.64		
		6/17/2015	24.84	73.95	-5.39		
		9/21/2015	27.74	71.05	-2.90		
		12/7/2015	22.83	75.96	4.91		
		3/22/16**	41.71	57.08	-18.88		
		6/23/2016	24.50	74.29	17.21		
		9/7/16**	43.12	55.67	-18.62		
		12/27/16***	34.10	64.69	9.02		
		3/27/2017	18.15	80.64	15.95		
		6/28/2017	23.59	75.20	-5.44		
		9/6/2017	27.65	71.14	-4.06		
		12/14/2017	26.66	72.13	0.99		
MW-19	94.10	3/17/2014	14.00	80.10	4.80		Deep
		6/9/2014	16.70	77.40	-2.70		
		9/23/2014	21.08	73.02	-4.38		
		12/16/2014	14.24	79.86	6.84		
		3/24/2015	13.65	80.45	0.59		
		6/17/2015	19.09	75.01	-5.44		
		9/21/2015	21.72	72.38	-2.63		
		12/7/2015	16.89	77.21	4.83		
		3/22/2016	13.31	80.79	3.58		
		6/23/2016	18.66	75.44	-5.35		
		9/7/2016	22.03	72.07	-3.37		
		12/27/2016	13.60	80.5	8.43		
		3/27/2017	12.47	81.63	1.13		
		6/28/2017	17.61	76.49	-5.14		
		9/6/2017	21.67	72.43	-4.06		
		12/14/2017	18.60	75.50	3.07		
MW-20 (MW-20D)	93.39	3/17/2014	13.25	80.14	4.87		Deep
		6/9/2014	16.40	76.99	-3.15		
		9/23/2014	20.59	72.80	-4.19		
		12/16/2014	13.55	79.84	7.04		
		3/24/2015	13.22	80.17	0.33		
		6/17/2015	18.88	74.51	-5.66		
		9/21/2015	21.28	72.11	-2.40		
		12/7/2015	16.77	76.62	4.51		
		3/22/2016	12.92	80.47	3.85		
		6/23/2016	18.33	75.06	-5.41		
		9/7/2016	21.68	71.71	-3.35		
		12/27/2016	13.39	80.0	8.29		
		3/27/2017	12.24	81.15	1.15		
		6/28/2017	17.42	75.97	-5.18		
		9/6/2017	21.41	71.98	-3.99		
		12/14/2017	15.68	77.71	5.73		
MW-20S	93.34	12/14/2017	15.11	78.23	0.00		Shallow

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Well	Elevation[a]	Date	Depth to Water[b] (feet)	Piezometric Elevation[c] (feet)	Change in Elevation[d] (feet)	LNAPL Thickness (feet)	Aquifer
MW-21	99.20	3/17/2014	18.33	80.87	5.15		Deep
		6/9/2014	21.10	78.10	-2.77		
		9/23/2014	25.54	73.66	-4.44		
		12/16/2014	18.88	80.32	6.66		
		3/24/2015	18.11	81.09	0.77		
		6/17/2015	23.44	75.76	-5.33		
		9/21/2015	26.29	72.91	-2.85		
		12/7/2015	21.88	77.32	4.41		
		3/22/2016	17.82	81.38	4.06		
		6/23/2016	23.11	76.09	-5.29		
		9/7/2016	26.45	72.75	-3.34		
		12/27/2016	18.21	81.0	8.24		
		3/27/2017	16.99	82.21	1.22		
		6/28/2017	22.03	77.17	-5.04		
		9/6/2017	26.18	73.02	-4.15		
		12/14/2017	20.05	79.15	6.13		
MW-22	100.70	3/17/2014	20.44	80.26	4.59		Deep
		6/9/2014	23.08	77.62	-2.64		
		9/23/2014	27.22	73.48	-4.14		
		12/16/2014	20.73	79.97	6.49		
		3/24/2015	20.12	80.58	0.61		
		6/17/2015	25.50	75.20	-5.38		
		9/21/2015	27.87	72.83	-2.37		
		12/7/2015	23.40	77.30	4.47		
		3/22/2016	19.92	80.78	3.48		
		6/23/2016	24.92	75.78	-5.00		
		9/7/2016	28.21	72.49	-3.29		
		12/27/2016	20.14	80.6	8.07		
		3/27/2017	19.14	81.56	1.00		
		6/28/2017	23.97	76.73	-4.83		
		9/6/2017	27.94	72.76	-3.97		
		12/14/2017	23.60	77.10	4.34		
MW-23	74.94	3/17/2014	17.93	57.01	2.33		Deep
		6/9/2014	20.24	54.70	-2.31		
		9/23/2014	23.24	51.70	-3.00		
		12/16/2014	18.21	56.73	5.03		
		3/24/2015	18.12	56.82	0.09		
		6/17/2015	21.71	53.23	-3.59		
		9/21/2015	23.64	51.30	-1.93		
		12/7/2015	18.43	56.51	5.21		
		3/22/2016	18.10	56.84	0.33		
		6/23/2016	21.42	53.52	-3.32		
		9/7/2016	23.56	51.38	-2.14		
		12/27/2016	17.69	57.25	5.87		
		3/27/2017	17.55	57.39	0.14		
		6/28/2017	20.07	54.87	-2.52		
		9/6/2017	23.02	51.92	-2.95		
		12/14/2017	18.88	56.06	4.14		
MW-24	103.52	3/17/2014	20.22	83.30	4.60		Deep
		6/9/2014	23.12	80.40	-2.90		
		9/23/2014	27.03	76.49	-3.91		
		12/16/2014	20.51	83.01	6.52		
		3/24/2015	20.04	83.48	0.47		
		6/17/2015	NM	--	--		
		9/21/2015	27.50	76.02	-7.46		
		12/7/2015	23.06	80.46	4.44		
		3/22/2016	19.94	83.58	3.12		
		6/23/2016	25.06	78.46	-5.12		
		9/7/2016	28.22	75.30	-3.16		
		12/27/2016	20.16	83.36	8.06		
		3/27/2017	19.63	83.89	0.53		
		6/28/2017	23.02	80.50	-3.39		
		9/6/2017	27.63	75.89	-4.61		
		12/14/2017	21.69	81.83	5.94		
MW-25	102.23	3/17/2014	17.54	84.69	2.09		Shallow
		6/9/2014	16.28	85.95	1.26		
		9/23/2014	19.20	83.03	-2.92		
		12/16/2014	15.12	87.11	4.08		
		3/24/2015	14.49	87.74	0.63		
		6/17/2015	15.92	86.31	-1.43		
		9/21/2015	20.31	81.92	-4.39		
		12/7/2015	19.31	82.92	1.00		
		3/22/2016	15.88	86.35	3.43		
		6/23/2016	16.79	85.44	-0.91		
		9/7/2016	20.73	81.50	-3.94		
		12/27/2016	13.90	88.33	6.83		
		3/27/2017	13.78	88.45	0.12		
		6/28/2017	15.60	86.63	-1.82		
		9/6/2017	19.98	82.25	-4.38		
		12/14/2017	14.43	87.80	5.55		

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Well	Elevation[a]	Date	Depth to Water[b] (feet)	Piezometric Elevation[c] (feet)	Change in Elevation[d] (feet)	LNAPL Thickness (feet)	Aquifer
MW-26D	98.63	3/17/2014	19.90	78.73	4.91		Deep
		6/9/2014	22.49	76.14	-2.59		
		9/23/2014	26.86	71.77	-4.37		
		12/16/2014	20.22	78.41	6.64		
		3/24/2015	19.55	79.08	0.67		
		6/17/2015	24.10	74.53	-4.55		
		9/21/2015	27.53	71.10	-3.43		
		12/7/2015	23.01	75.62	4.52		
		3/22/2016	19.09	79.54	3.92		
		6/23/2016	24.29	74.34	-5.20		
		9/7/2016	27.77	70.86	-3.48		
		12/27/2016	19.48	79.15	8.29		
		3/27/2017	18.37	80.26	1.11		
		6/28/2017	23.55	75.08	-5.18		
		9/6/2017	27.57	71.06	-4.02		
		12/14/2017	26.08	72.55	1.49		
MW-27	99.62	3/17/2014	19.12	80.50	5.06		Deep
		6/9/2014	21.79	77.83	-2.67		
		9/23/2014	26.29	73.33	-4.50		
		12/16/2014	19.33	80.29	6.96		
		3/24/2015	18.63	80.99	0.70		
		6/17/2015	24.08	75.54	-5.45		
		9/21/2015	26.97	72.65	-2.89		
		12/7/2015	22.13	77.49	4.84		
		3/22/16**	35.40	64.22	-13.27		
		6/23/2016	23.83	75.79	11.57		
		9/7/2016	27.29	72.33	-3.46		
		12/27/16***	35.19	64.43	-7.90		
		3/27/2017	17.41	82.21	17.78		
		6/28/2017	23.12	76.50	-5.71	0.43	
		9/6/2017	26.90	72.72	-3.78	0.07	
		12/14/2017	26.69	72.93	0.21		
MW-28	97.64	3/17/2014	12.12	85.52	9.45		Shallow
		6/9/2014	15.64	82.00	-3.52		
		9/23/2014	23.48	74.16	-7.84		
		12/16/2014	12.13	85.51	11.35		
		3/24/2015	11.79	85.85	0.34		
		6/17/2015	17.79	79.85	-6.00		
		9/21/2015	24.53	73.11	-6.74		
		12/7/2015	16.64	81.00	7.89		
		3/22/2016	11.60	86.04	5.04		
		6/23/2016	19.52	78.12	-7.92		
		9/7/2016	24.67	72.97	-5.15		
		12/27/2016	11.30	86.34	13.37		
		3/27/2017	10.19	87.45	1.11		
		6/28/2017	16.61	81.03	-6.42		
		9/6/2017	23.89	73.75	-7.28		
		12/14/2017	16.25	81.39	7.64		
MW-29	95.08	3/17/2014	10.36	84.72	8.58		Shallow
		6/9/2014	12.73	82.35	-2.37		
		9/23/2014	20.56	74.52	-7.83		
		12/16/2014	9.96	85.12	10.60		
		3/24/2015	10.38	84.70	-0.42		
		6/17/2015	13.48	81.60	-3.10		
		9/21/2015	21.62	73.46	-8.14		
		12/7/2015	14.29	80.79	7.33		
		3/22/2016	13.39	81.69	0.90		
		6/23/2016	14.40	80.68	-1.01		
		9/7/2016	21.89	73.19	-7.49		
		12/27/2016	17.71	77.37	4.18		
		3/27/2017	12.28	82.80	5.43		
		6/28/2017	14.76	80.32	-2.48		
		9/6/2017	21.30	73.78	-6.54		
		12/14/2017	16.53	78.55	4.77		
MW-30S	99.90	3/17/2014	18.36	81.54	5.13		Shallow
		6/9/2014	20.97	78.93	-2.61		
		9/23/2014	25.67	74.23	-4.70		
		12/16/2014	19.09	80.81	6.58		
		3/24/2015	18.21	81.69	0.88		
		6/17/2015	21.87	78.03	-3.66		
		9/21/2015	26.36	73.54	-4.49		
		12/7/2015	21.78	78.12	4.58		
		3/22/2016	18.24	81.66	3.54		
		6/23/2016	21.77	78.13	-3.53		
		9/7/2016	25.02	74.88	-3.25		
		12/27/2016	18.06	81.84	6.96		
		3/27/2017	16.93	82.97	1.13		
		6/28/2017	22.09	77.81	-5.16		
		9/6/2017	26.24	73.66	-4.15		
		12/14/2017	32.75	67.15	-6.51		

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MW-30D	99.77	3/17/2014	20.17	79.60	4.77		Deep
		6/9/2014	22.77	77.00	-2.60		
		9/23/2014	26.95	72.82	-4.18		
		12/16/2014	20.59	79.18	6.36		
		3/24/2015	19.82	79.95	0.77		
		6/17/2015	24.08	75.69	-4.26		
		9/21/2015	27.53	72.24	-3.45		
		12/7/2015	23.24	76.53	4.29		
		3/22/2016	19.83	79.94	3.41		
		6/23/2016	24.03	75.74	-4.20		
		9/7/2016	28.82	70.95	-4.79		
		12/27/2016	19.84	79.93	8.98		
		3/27/2017	18.89	80.88	0.95		
		6/28/2017	23.54	76.23	-4.65		
		9/6/2017	27.61	72.16	-4.07		
		12/14/2017	23.08	76.69	4.53		
MW-31S	102.27	3/17/2014	16.08	86.19	6.22		Shallow
		6/9/2014	19.64	82.63	-3.56		
		9/23/2014	26.36	75.91	-6.72		
		12/16/2014	16.65	85.62	9.71		
		3/24/2015	16.02	86.25	0.63		
		6/17/2015	22.53	79.74	-6.51		
		9/21/2015	27.54	74.73	-5.01		
		12/7/2015	21.53	80.74	6.01		
		3/22/2016	15.72	86.55	5.81		
		6/23/2016	23.15	79.12	-7.43		
		9/7/2016	27.55	74.72	-4.40		
		12/27/2016	16.28	85.99	11.27		
		3/27/2017	15.23	87.04	1.05		
		6/28/2017	20.88	81.39	-5.65		
		9/6/2017	26.88	75.39	-6.00		
		12/14/2017	15.03	87.24	11.85		
MW-31D	102.21	3/17/2014	21.74	80.47	5.02		Deep
		6/9/2014	24.39	77.82	-2.65		
		9/23/2014	28.84	73.37	-4.45		
		12/16/2014	22.04	80.17	6.80		
		3/24/2015	21.40	80.81	0.64		
		6/17/2015	26.68	75.53	-5.28		
		9/21/2015	29.53	72.68	-2.85		
		12/7/2015	24.86	77.35	4.67		
		3/22/2016	20.91	81.30	3.95		
		6/23/2016	26.35	75.86	-5.44		
		9/7/2016	29.74	72.47	-3.39		
		12/27/2016	21.32	80.89	8.42		
		3/27/2017	20.24	81.97	1.08		
		6/28/2017	25.37	76.84	-5.13		
		9/6/2017	29.23	72.98	-3.86		
		12/14/2017	26.87	75.34	2.36		
MW-32	100.70	3/17/2014	13.37	87.33	6.61		Shallow
		6/9/2014	16.37	84.33	-3.00		
		9/23/2014	21.76	78.94	-5.39	0.02	
		12/16/2014	13.85	86.85	7.91		
		3/24/2015	13.01	87.69	0.84		
		6/17/2015	18.35	82.35	-5.34		
		9/21/2015	14.79	85.91	3.56		
		12/7/2015	8.91	91.79	5.88		
		3/22/2016	7.63	93.07	1.28		
		6/23/2016	NM	--	--		
		9/7/16**	23.27	77.43	-15.64		
		12/27/2016	12.86	87.84	10.41	0.01	
		3/27/2017	10.09	90.61	2.77	0.01	
		6/28/2017	16.97	83.73	-6.88	0.01	
		9/6/2017	22.16	78.54	-5.19	0.08	
		12/14/2017	15.70	85.00	6.46	0.02	
MW-33S	100.69	3/17/2014	12.11	88.58	5.28		Shallow
		6/9/2014	12.56	88.13	-0.45		
		9/23/2014	18.29	82.40	-5.73		
		12/16/2014	15.82	84.87	2.47		
		3/24/2015	13.48	87.21	2.34		
		6/17/2015	14.56	86.13	-1.08		
		9/21/2015	21.06	79.63	-6.50		
		12/7/2015	19.59	81.10	1.47		
		3/22/2016	13.44	87.25	6.15		
		6/23/2016	15.12	85.57	-1.68		
		9/7/2016	20.37	80.32	-5.25		
		12/27/2016	11.50	89.19	8.87		
		3/27/2017	11.23	89.46	0.27		
		6/28/2017	13.24	87.45	-2.01		
		9/6/2017	19.16	81.53	-5.92		
		12/14/2017	15.77	84.92	3.39		

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MW-33D	100.70	3/17/2014	21.68	79.02	4.60		Deep
		6/9/2014	24.15	76.55	-2.47		
		9/23/2014	28.23	72.47	-4.08		
		12/16/2014	21.95	78.75	6.28		
		3/24/2015	21.17	79.53	0.78		
		6/17/2015	25.46	75.24	-4.29		
		9/21/2015	28.79	71.91	-3.33		
		12/7/2015	26.15	74.55	2.64		
		3/22/2016	21.10	79.60	5.05		
		6/23/2016	25.63	75.07	-4.53		
		9/7/2016	29.23	71.47	-3.60		
		12/27/2016	21.28	79.42	7.95		
		3/27/2017	20.27	80.43	1.01		
		6/28/2017	24.94	75.76	-4.67		
		9/6/2017	28.97	71.73	-4.03		
		12/14/2017	24.23	76.47	4.74		
MW-34	100.78	3/17/2014	20.53	80.25	4.72		Deep
		6/9/2014	23.09	77.69	-2.56		
		9/23/2014	27.39	73.39	-4.30		
		12/16/2014	20.80	79.98	6.59		
		3/24/2015	20.18	80.60	0.62		
		6/17/2015	24.82	75.96	-4.64		
		9/21/2015	28.06	72.72	-3.24		
		12/7/2015	23.52	77.26	4.54		
		3/22/2016	19.80	80.98	3.72		
		6/23/2016	25.00	75.78	-5.20		
		9/7/2016	28.28	72.50	-3.28		
		12/27/2016	20.15	80.63	8.13		
		3/27/2017	19.12	81.66	1.03		
		6/28/2017	24.08	76.70	-4.96		
		9/6/2017	28.01	72.77	-3.93		
		12/14/2017	25.08	75.70	2.93		
MW-35	101.34	3/17/2014	12.60	88.74	6.66		Shallow
		6/9/2014	13.69	87.65	-1.09		
		9/23/2014	17.48	83.86	-3.79		
		12/16/2014	13.26	88.08	4.22		
		3/24/2015	12.81	88.53	0.45		
		6/17/2015	14.94	86.40	-2.13		
		9/21/2015	21.85	79.49	-6.91		
		12/7/2015	17.91	83.43	3.94		
		3/22/2016	11.79	89.55	6.12		
		6/23/2016	15.78	85.56	-3.99		
		9/7/2016	21.11	80.23	-5.33		
		12/27/2016	12.32	89.02	8.79		
		3/27/2017	11.50	89.84	0.82		
		6/28/2017	13.94	87.40	-2.44		
		9/6/2017	19.61	81.73	-5.67		
		12/14/2017	15.18	86.16	4.43		
MW-36	101.35	3/17/2014	20.66	80.69	4.30		Deep
		6/9/2014	23.29	78.06	-2.63		
		9/23/2014	26.59	74.76	-3.30		
		12/16/2014	20.93	80.42	5.66		
		3/24/2015	20.40	80.95	0.53		
		6/17/2015	24.98	76.37	-4.58		
		9/21/2015	27.84	73.51	-2.86		
		12/7/2015	23.55	77.80	4.29		
		3/22/2016	19.79	81.56	3.76		
		6/23/2016	25.01	76.34	-5.22		
		9/7/2016	28.33	73.02	-3.32		
		12/27/2016	20.49	80.86	7.84		
		3/27/2017	19.52	81.83	0.97		
		6/28/2017	24.16	77.19	-4.64		
		9/6/2017	27.96	73.39	-3.80		
		12/14/2017	22.65	78.70	5.31		
MW-37	97.98	9/23/2014	25.72	72.26	--		Shallow
		12/16/2014	17.27	80.71	8.45		
		3/24/2015	16.87	81.11	0.40		
		6/17/2015	NM	--	--		
		9/21/2015	26.85	71.13	-9.98	0.66	
		12/7/2015	20.19	77.79	6.66		
		3/22/2016	16.12	81.86	4.07		
		6/23/2016	23.05	74.93	-6.93	0.1	
		9/7/2016	26.83	71.15	-3.78	0.24	
		12/27/2016	16.35	81.63	10.48	Sheen	
		3/27/2017	14.79	83.19	1.56		
		6/28/2017	21.51	76.47	-6.72	Sheen	
		9/6/2017	26.37	71.61	-4.86	0.41	
		12/14/2017	23.24	74.74	3.13		

Table 4
Summary of Water Table Elevation Data
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Well	Elevation[a]	Date	Depth to Water[b] (feet)	Piezometric Elevation[c] (feet)	Change in Elevation[d] (feet)	LNAPL Thickness (feet)	Aquifer
MW-38	99.50	9/23/2014	26.89	72.61	--		Shallow
		12/16/2014	18.06	81.44	8.83		
		3/24/2015	17.77	81.73	0.29		
		6/17/2015	24.49	75.01	-6.72	0.59	
		9/21/2015	29.13	70.37	-4.64	2.30	
		12/7/2015	18.62	80.88	10.51	2.30	
		3/22/2016	15.75	83.75	2.87		
		6/23/2016	23.93	75.57	-8.18		
		9/7/2016	28.56	70.94	-4.63	0.95	
		12/27/2016	15.59	83.91	12.97	Sheen	
		3/27/2017	10.27	89.23	5.32		
		6/28/2017	21.83	77.67	-11.56		
		9/6/2017	27.68	71.82	-5.85	0.65	
		12/14/2017	19.25	80.25	8.43		
MW-39	102.37	12/14/2017	14.25	88.12	0.00		Shallow
RW-2	100.55	3/17/2014	12.79	87.76	5.82		Shallow
		6/9/2014	15.95	84.60	-3.16		
		9/23/2014	26.40	74.15	-10.45		
		12/16/2014	13.46	87.09	12.94		
		3/24/2015	13.54	87.01	-0.08		
		6/17/2015	NM	--	--		
		9/21/2015	27.44	73.11	-13.90		
		12/7/2015	14.60	85.95	12.84		
		3/22/2016	13.36	87.19	1.24		
		6/23/2016	23.00	77.55	-9.64		
		9/7/2016	NM	--	--		
		12/27/2016	13.49	87.06	9.51		
		3/27/2017	13.48	87.07	0.01		
		6/28/2017	16.87	83.68	-3.39		
		9/6/2017	26.66	73.89	-9.79		
		12/14/2017	18.40	82.15	8.26		
RW-3	100.29	3/17/2014	19.64	80.65	5.34	0.03	Shallow
		6/9/2014	22.74	77.55	-3.10	0.32	
		9/23/2014	28.12	72.17	-5.38	1.52	
		12/16/2014	19.89	80.40	8.23	0.09	
		3/24/2015	19.23	81.06	0.66	Sheen	
		6/17/2015	24.75	75.54	-5.52		
		9/21/2015	NM	--	--		
		12/7/2015	NM	--	--		
		3/22/2016	18.91	81.38	5.84	0.05	
		7/15/2016	25.66	74.63	-6.75	0.02	
		9/21/2016	28.18	72.11	-2.52	0.07	
		3/27/2017	17.89	82.40	10.29		
		6/28/2017	23.46	76.83	-5.57	0.01	
		9/6/2017	27.52	72.77	-4.06		
		12/14/2017	25.90	74.39	1.62		
VE-1	100.52	3/17/2014	12.20	88.32	7.24		Shallow
		6/9/2014	11.19	89.33	1.01	Sheen	
		9/23/2014	20.15	80.37	-8.96		
		12/16/2014	13.95	86.57	6.20		
		3/24/2015	NM	--	--		
		6/17/2015	NM	--	--		
		9/21/2015	NM	--	--		
		12/7/2015	NM	--	--		
		3/22/2016	NM	--	--		
		6/23/2016	NM	--	--		
		9/7/2016	NM	--	--		
		12/27/2016	NM	--	--		
		3/27/2017	8.82	91.70	5.13		
		6/28/2017	11.73	88.79	-2.91	Strong Odor	
		9/6/2017	16.17	84.35	-4.44	0.03	
		12/14/2017	15.97	84.55	0.20		

Notes:

VE-2 excluded from table due to obstruction in well at 27.27 feet, preventing depth-to-water measurement.

a Relative elevation based on an arbitrary benchmark. Arbitrary elevation datum is assumed to be 100 feet.
b Measured using a Solinst electronic water level gage relative to the northernmost point on the well casing.
c Elevation to top of water table based on difference between well casing elevation and depth to water.
d Change in water table elevation relative to previous measurement.
-- Not applicable.
NM Not measured.
** Denotes large elevation change.
*** Denotes low conductivity resulting in faulty depth-to-water measurements.

Table 5
Summary of Groundwater Sample Analytical Data (in µg/L)
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Sample Location	Date	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Aquifer
MW-6D	3/18/2014	**3,800**	**8,700**	230	260	620	Deep
	6/11/2014	**17,000**	**14,000**	**3,600**	400	**1,500**	
	9/24/2014	**4,800**	**9,800**	**850**	160	**650**	
	12/18/2014	**5,500**	**11,000**	**520**	320	**830**	
	3/26/2015	**22,000**	**21,000**	**3,900**	700	**2,500**	
	6/18/2015	<50	**180**	<1.0	1.6	<3.0	
	9/22/2015	**1,300**	**4,500**	180	53	150	
	12/7/2015	<50	**37**	<1.0	<1.0	<3.0	
	3/22/2016	**12,000**	**9,700**	360	380	**1,100**	
	6/23/2016	**27,000**	**18,000**	**3,200**	690	**2,500**	
	9/8/2016	**25,000**	**18,000**	**3,200**	420	**1,700**	
	12/28/2016	**20,000**	**12,000**	**1,800**	540	**1,600**	
	3/28/2017	**78,000**	**26,000**	**11,000**	**1,200**	**5,400**	
	6/28/2017	**23,000**	**15,000**	**2,800**	600	**2,300**	
	9/6/2017	610	**290**	64	<2.0	40	
	1/3/2018	**15,000**	**11,000**	**1,400**	490	**1,700**	
MW-6S	3/18/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	180	**8.9**	<1.0	2.6	<3.0	
	12/18/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/26/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/23/2015	100	**14**	<1.0	2.7	<3.0	
	12/7/2015	<50	2.3	<1.0	<1.0	<3.0	
	3/22/2016	<50	<1.0	<1.0	<1.0	<3.0	
	6/23/2016	<50	<1.0	<1.0	<1.0	<3.0	
	9/8/2016	120	**5.5**	<1.0	<1.0	<3.0	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	3/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
	6/28/2017	**4,300**	**760**	800	9.7	250	
	9/6/2017	260	**33**	11	2.9	10	
	12/29/2017	**90,000**	**260**	**3,900**	**1,100**	**12,000**	
MW-8D	3/19/2014	150	1.2	<1.0	7.1	<3.0	Deep
	6/12/2014	370	**38**	1.3	41	3.8	
	9/25/2014	<50	1.2	<1.0	<1.0	<3.0	
	12/18/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/27/2015	660	**150**	1.3	81	6.4	
	6/19/2015	280	**15**	<1.0	9.8	<3.0	
	9/22/2015	300	**39**	<1.0	29	<3.0	
	12/11/2015	350	**10**	<1.0	10	<3.0	
	12/30/2016	520	**34**	2	4.8	3.3	
	12/29/2017	480	**73**	13	1.9	34	
MW-8S	3/19/2014	<50	**32**	<1.0	<1.0	<3.0	Shallow
	6/12/2014	57	**21**	<1.0	3.7	<3.0	
	9/25/2014	**2,300**	**570**	12	290	83	
	12/18/2014	<50	**19**	<1.0	<1.0	<3.0	
	3/27/2015	320	**91**	1.6	4.7	9.7	
	6/19/2015	**1,100**	**280**	<10	160	<30	
	9/22/2015	**1,500**	**450**	6.1	240	19	
	12/11/2015	**2,500**	**430**	<20	370	61	
	12/30/2016	300	**70**	1.2	17	<3.0	
	6/29/2017	**970**	**130**	6.5	91	45	
	9/7/2017	**3,100**	**310**	11	320	52	
	12/29/2017	**1,600**	**75**	7.3	110	43	
MW-9S	3/28/2017	**140,000**	**8,800**	**16,000**	**2,100**	**14,000**	Shallow
MW-11S	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/18/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/11/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-14	3/18/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	<1.0	<1.0	<1.0	<3.0	
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/24/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/21/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/27/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-15	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/27/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	

Table 5
Summary of Groundwater Sample Analytical Data (in µg/L)
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Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Sample Location	Date	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Aquifer
MW-16S	3/18/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	<1.0	<1.0	<1.0	<3.0	
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/26/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/23/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	3/22/2016	<50	<1.0	<1.0	<1.0	<3.0	
	6/23/2016	<50	<1.0	<1.0	<1.0	<3.0	
	9/8/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	3/27/2017	<50	<1.0	<1.0	<1.0	<3.0	
	6/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
	9/6/2017	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-16D	3/18/2014	110	**96**	<1.0	16	<3.0	Deep
	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	4.9	<1.0	1.2	<3.0	
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/26/2015	600	**450**	6.8	96	64	
	6/19/2015	480	**220**	<5.0	66	21	
	9/23/2015	400	**170**	2.5	73	28	
	12/8/2015	380	**120**	10	52	8.2	
	3/22/2016	**6,900**	**630**	470	300	700	
	6/23/2016	**4,500**	**320**	58	290	450	
	9/8/2016	**7,200**	**810**	320	350	560	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	3/27/2017	**16,000**	**530**	**1,200**	620	**1,300**	
	6/28/2017	**21,000**	**1,300**	**1,900**	**850**	**2,100**	
	9/6/2017	280	**11**	16	11	26	
	12/29/2017	**8,900**	**1,200**	230	550	790	
MW-17	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/11/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/27/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-18D	3/19/2014	**120,000**	**30,000**	**25,000**	**2,100**	**10,000**	Deep
	6/12/2014	**89,000**	**14,000**	**17,000**	**1,600**	**8,500**	
	9/25/2014	**40,000**	**27,000**	**9,300**	**1,300**	**6,500**	
	12/19/2014	**7,100**	**970**	**1,000**	120	790	
	3/27/2015	**91,000**	**28,000**	**23,000**	**1,700**	**8,400**	
	6/19/2015	**95,000**	**34,000**	**19,000**	**2,100**	**10,000**	
	9/24/2015	**82,000**	**23,000**	**15,000**	**2,100**	**10,000**	
	12/11/2015	**160,000**	**30,000**	**28,000**	**2,300**	**11,000**	
	12/29/2016	**140,000**	**22,000**	**20,000**	**1,800**	**9,300**	
	3/28/2017	**170,000**	**25,000**	**26,000**	**2,000**	**11,000**	
	6/29/2017	**3,000**	**460**	480	20	230	
	9/7/2017	**82,000**	**8,200**	**9,900**	**1,300**	**6,400**	
	1/3/2018	**160,000**	**26,000**	**25,000**	**2,000**	**10,000**	
MW-19	3/18/2014	**4,700**	**360**	690	190	480	Deep
	6/11/2014	**16,000**	**680**	**2,700**	**330**	**1,600**	
	9/25/2014	**1,500**	**220**	13	100	210	
	3/27/2015	**19,000**	**790**	**3,800**	490	**2,300**	
	6/19/2015	**3,600**	**260**	230	150	700	
	9/23/2015	760	**120**	2.9	89	99	
	12/11/2015	570	**72**	<1.0	64	12	
	3/22/2016	**24,000**	**510**	**3,700**	310	**1,800**	
	6/23/2016	**11,000**	**420**	790	250	**1,400**	
	9/8/2016	**2,700**	**220**	20	150	420	
	12/28/2016	**40,000**	**580**	**4,800**	600	**2,800**	
	3/27/2017	**72,000**	**1,900**	**9,800**	**1,100**	**5,600**	
	6/28/2017	**76,000**	**6,300**	**9,200**	**1,800**	**8,700**	
	9/6/2017	**85,000**	**8,500**	**8,400**	**1,700**	**7,400**	
	1/3/2018	**7,200**	**190**	670	69	740	
MW-20 (MW-20d)	3/18/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	25	<1.0	<1.0	<3.0	
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/26/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/22/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/11/2015	<50	<1.0	<1.0	<1.0	<3.0	
	3/22/2016	<50	<1.0	<1.0	<1.0	<3.0	
	6/23/2016	<50	<1.0	<1.0	<1.0	<3.0	
	9/8/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	3/27/2017	<50	<1.0	<1.0	<1.0	<3.0	
	6/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
	9/6/2017	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	

Table 5
Summary of Groundwater Sample Analytical Data (in µg/L)
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Sample Location	Date	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Aquifer
MW-20S	9/25/2017	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-21	6/9/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/16/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/11/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-22	3/19/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	<1.0	<1.0	<1.0	<3.0	
MW-22	12/18/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	3/26/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/22/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-23	6/9/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/27/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-24	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/16/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-25	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/30/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-26D	3/19/2014	**40,000**	**13,000**	**1,300**	**2,200**	**8,300**	Deep
	6/12/2014	**81,000**	**27,000**	**13,000**	**1,800**	**7,800**	
	9/25/2014	**43,000**	**28,000**	**8,500**	**1,300**	**4,900**	
	12/19/2014	**120,000**	**41,000**	**19,000**	**2,600**	**11,000**	
	3/27/2015	**88,000**	**39,000**	**17,000**	**2,000**	**8,400**	
	6/19/2015	**94,000**	**20,000**	**20,000**	**1,700**	**8,900**	
	9/24/2015	**63,000**	**29,000**	**11,000**	**2,200**	**8,000**	
	12/11/2015	**120,000**	**36,000**	**17,000**	**2,400**	**9,900**	
	12/30/2016	**120,000**	**22,000**	**11,000**	**2,500**	**11,000**	
	3/28/2017	**180,000**	**50,000**	**28,000**	**2,300**	**11,000**	
	6/29/2017	**130,000**	**44,000**	**23,000**	**2,000**	**9,500**	
	9/7/2017	**110,000**	**29,000**	**15,000**	**2,000**	**8,100**	
	1/3/2018	**150,000**	**45,000**	**23,000**	**2,300**	**10,000**	
MW-27	3/19/2014	**28,000**	**3,300**	**4,800**	190	**3,400**	Deep
	6/12/2014	**10,000**	**2,400**	**580**	<50	**2,200**	
MW-27	9/25/2014	**41,000**	**28,000**	**9,800**	**1,400**	**6,900**	Deep
	12/19/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/27/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/19/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/23/2015	<50	1.7	1.3	<1.0	<3.0	
	12/8/2015	<50	1.7	1.9	<1.0	<3.0	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	1/3/2018	**41,000**	**310**	460	350	**5,300**	
MW-28	3/17/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/23/2014	<50	<1.0	<1.0	<1.0	<3.0	
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/24/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/21/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	3/22/2016	<50	<1.0	<1.0	<1.0	<3.0	
	6/23/2016	<50	<1.0	<1.0	<1.0	<3.0	
	9/8/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/27/2016	<50	<1.0	<1.0	<1.0	<3.0	
	3/28/2017	<50	<1.0	1.1	<1.0	<3.0	
	6/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
	9/6/2017	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-29	3/17/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	<1.0	<1.0	<1.0	<3.0	
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/26/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	

Table 5
Summary of Groundwater Sample Analytical Data (in µg/L)
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Sample Location	Date	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Aquifer
MW-29	9/22/2015	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	3/22/2016	<50	<1.0	<1.0	<1.0	<3.0	
	6/23/2016	<50	<1.0	<1.0	<1.0	<3.0	
	9/8/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	3/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
	6/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
	9/6/2017	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-30S	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/18/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	**10,000**	**19**	110	30	**1,200**	
MS-30D	3/18/2014	<50	**41**	<1.0	<1.0	<3.0	Deep
	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	<1.0	<1.0	<1.0	<3.0	
	12/18/2014	<50	**32**	<1.0	<1.0	<3.0	
	3/26/2015	<50	**6.4**	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/22/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	2.5	<1.0	<1.0	<3.0	
	12/29/2017	<50	**9.1**	<1.0	<1.0	<3.0	
MW-31S	6/11/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/18/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-31D	3/18/2014	140	**42**	1.1	16	7	Deep
	6/11/2014	130	**59**	1.1	20	6.3	
	9/24/2014	63	**31**	<1.0	6.2	<3.0	
	12/18/2014	68	**24**	<1.0	11	3.3	
	3/26/2015	54	**32**	<1.0	7.8	<3.0	
	6/18/2015	88	**43**	<1.0	11	<3.0	
	9/22/2015	<50	**23**	<1.0	2.2	<3.0	
	12/10/2015	90	**20**	1.0	11	3.9	
	12/29/2016	160	**45**	2.2	14	5.7	
	12/29/2017	180	**120**	9	16	7.1	
MW-33S	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-33D	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/8/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-34	3/19/2014	**9,100**	**2,200**	780	480	**1,300**	Deep
	6/12/2014	**4,800**	**1,700**	340	270	700	
	9/25/2014	**3,500**	**2,000**	100	270	540	
	12/19/2014	**8,400**	**2,400**	730	490	**1,400**	
	3/27/2015	**12,000**	**3,900**	740	830	**2,200**	
	6/19/2015	**6,400**	**2,200**	410	480	**1,100**	
	9/22/2015	**2,600**	**1,800**	62	240	400	
	12/10/2015	**12,000**	**2,200**	500	660	**1,600**	
	12/30/2016	**18,000**	**2,300**	510	**790**	**2,200**	
	1/3/2018	**12,000**	**1,300**	1,000	350	**1,100**	
MW-35	6/10/2014	<50	1.5	<1.0	1.7	<3.0	Shallow
	12/17/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/30/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-36	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	Deep
	12/16/2014	<50	<1.0	<1.0	<1.0	<3.0	
	6/18/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/10/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
MW-37	9/25/2014	**110,000**	**9,100**	**30,000**	**1,700**	**8,700**	Shallow
	12/19/2014	**11,000**	**140**	**1,000**	220	**1,200**	
	3/28/2017	**2,600**	**13**	66	12	260	

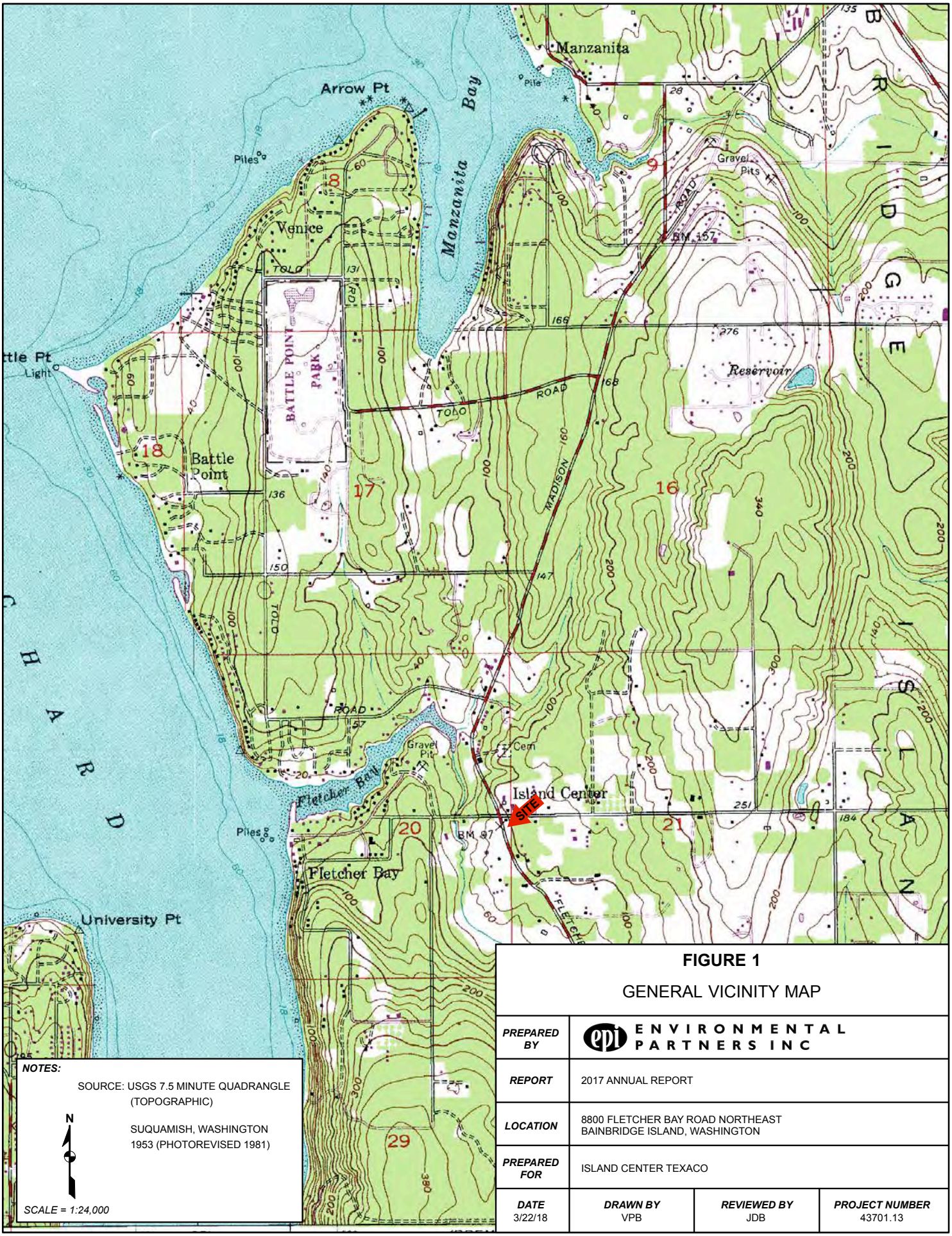
Table 5
Summary of Groundwater Sample Analytical Data (in µg/L)
2017 Annual Report
Island Center Texaco
8800 Fletcher Bay Road NE, Bainbridge Island, Washington

Sample Location	Date	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Aquifer
MW-38	3/28/2017	**1,300**	<1.0	15	5.9	50	Shallow
	6/29/2017	**60,000**	**100**	**2,200**	**1,800**	**10,000**	
	1/3/2018	**65,000**	**1,100**	**4,400**	**880**	**7,700**	
MW-39	9/25/2017	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	12/28/2017	<50	<1.0	<1.0	<1.0	<3.0	
RW-2	3/18/2014	<50	<1.0	<1.0	<1.0	<3.0	Shallow
	6/10/2014	<50	<1.0	<1.0	<1.0	<3.0	
	9/24/2014	<50	<1.0	<1.0	<1.0	<3.0	
	12/16/2014	<50	<1.0	<1.0	<1.0	<3.0	
	3/26/2015	<50	<1.0	<1.0	<1.0	<3.0	
	6/17/2015	<50	<1.0	<1.0	<1.0	<3.0	
	9/22/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/7/2015	<50	<1.0	<1.0	<1.0	<3.0	
	12/28/2016	<50	<1.0	<1.0	<1.0	<3.0	
	12/29/2017	**35,000**	**2,100**	**4,800**	350	**2,700**	
VE-1	6/29/2017	**87,000**	**6,300**	**10,000**	**970**	**8,700**	Shallow
MTCA Method A Cleanup Levels for Groundwater[a]		**800/1,000**	**5**	**1,000**	**700**	**1,000**	

Notes:
All results presented in micrograms per liter (µg/L).
Bold Bold results exceed the MTCA Method A Cleanup Level for Groundwater.
a Model Toxics Control Act Cleanup Regulation, Chapter 173-340 WAC, February 12, 2001.
b Cleanup level is 800 µg/L, if benzene is present; 1,000 µg/L otherwise.

Compounds:
GRO Gasoline-range organics

Figures



NOTES:

SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)

SUQUAMISH, WASHINGTON
1953 (PHOTOREVISED 1981)

N

SCALE = 1:24,000

FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/22/18	**DRAWN BY** VPB	**REVIEWED BY** JDB	**PROJECT NUMBER** 43701.13

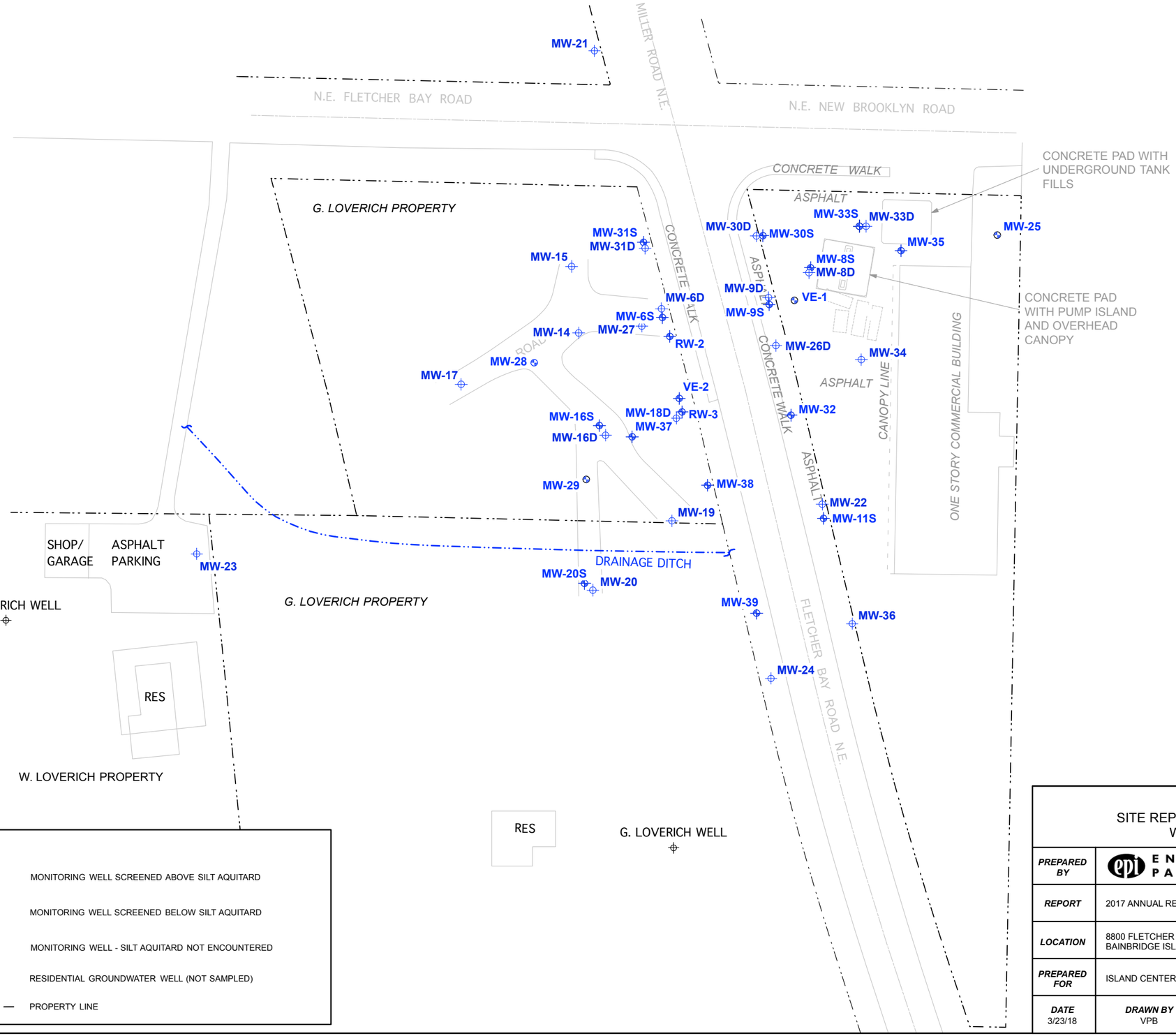


FIGURE 2
SITE REPRESENTATION SHOWING
WELL LOCATIONS

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
3/23/18	VPB	JDB	43701.13

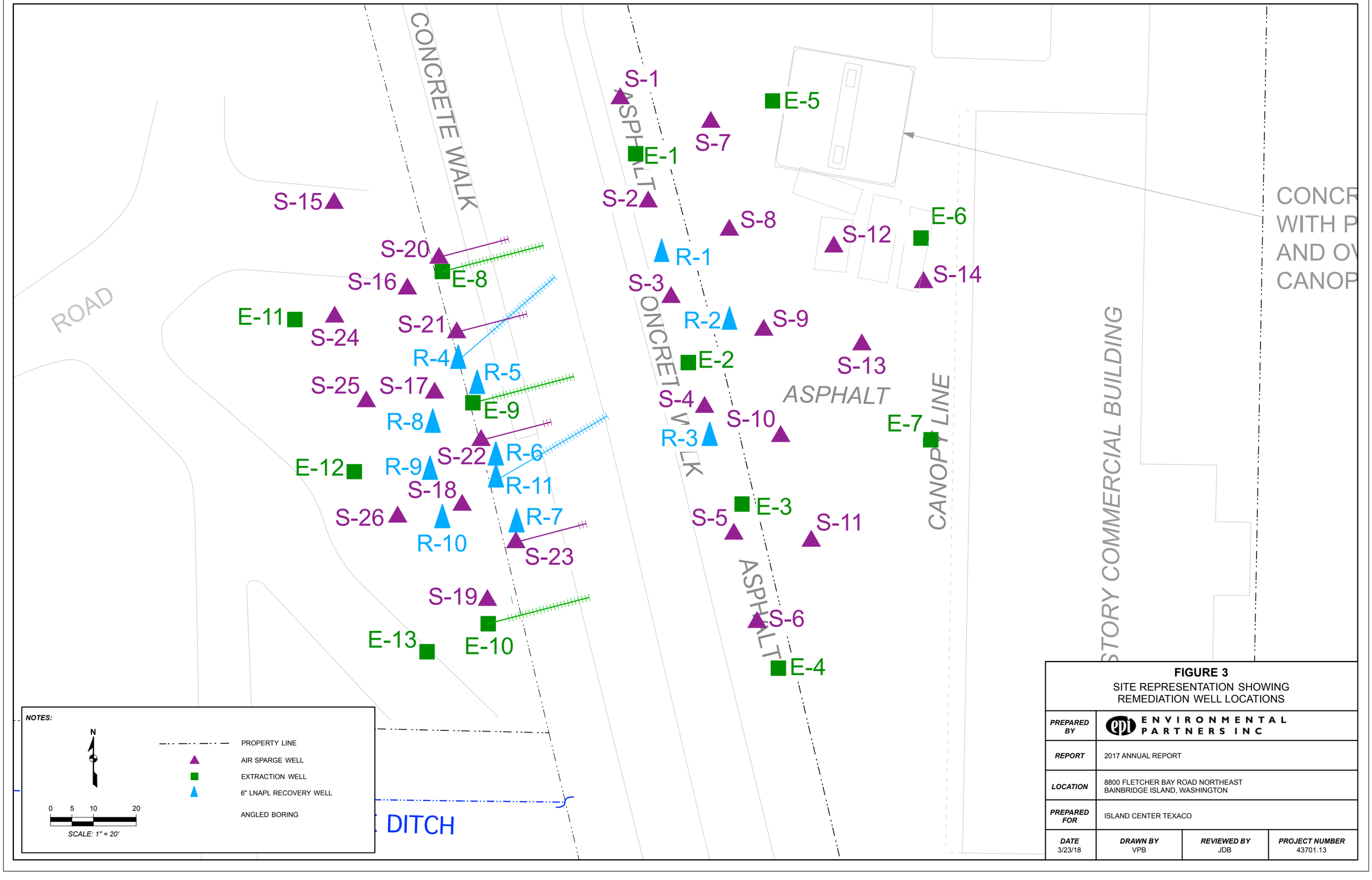


FIGURE 3
SITE REPRESENTATION SHOWING
REMEDIATION WELL LOCATIONS

PREPARED BY	epi ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/23/18	*DRAWN BY* VPB	*REVIEWED BY* JDB	*PROJECT NUMBER* 43701.13

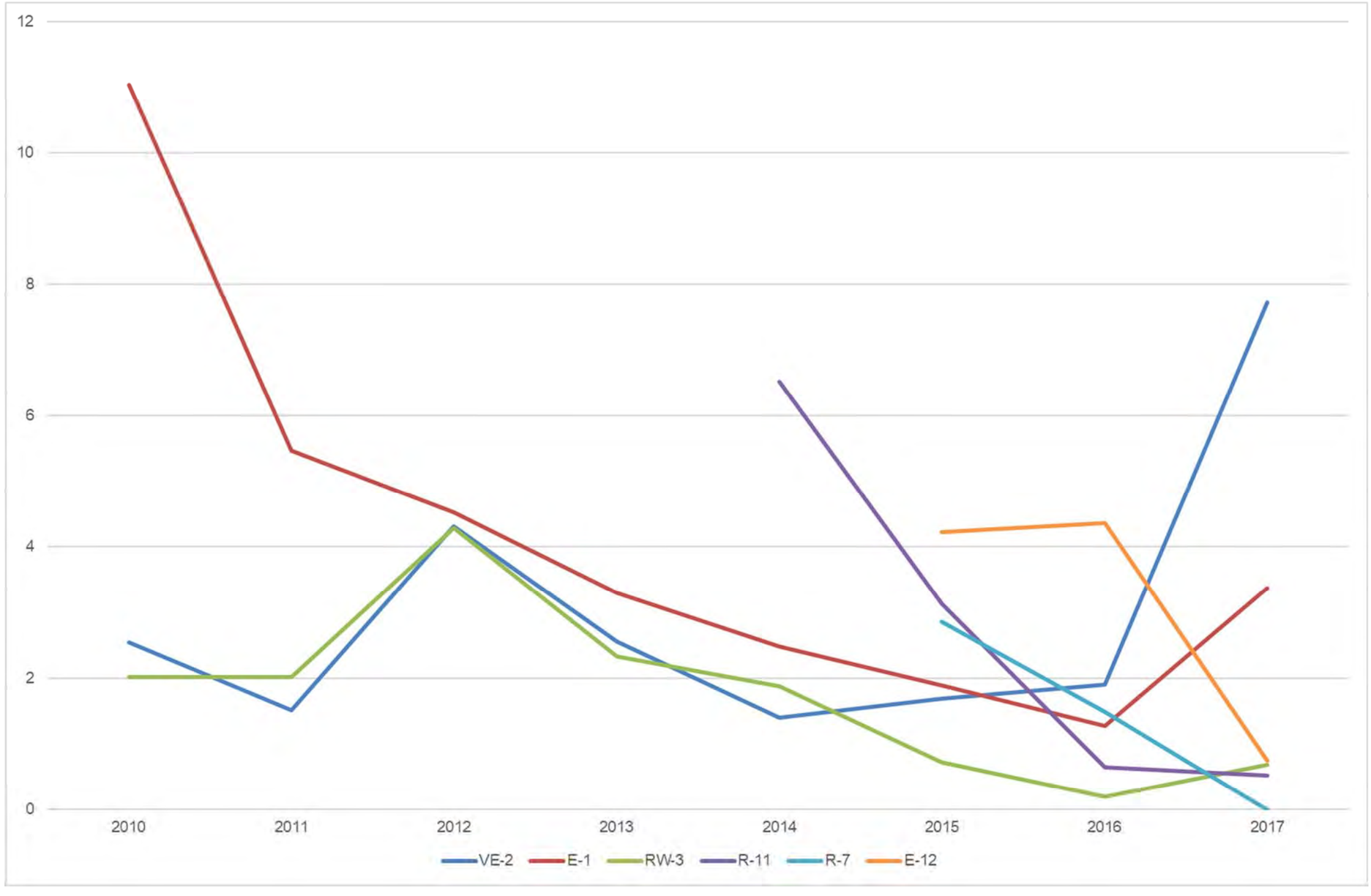


FIGURE 4

LNAPL ANNUAL MAXIMUM AMOUNT IN FEET

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL GROUNDWATER MONITORING REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/29/18	***CREATED BY*** CSW	***REVIEWED BY*** JB	***PROJECT NUMBER*** 43701.13

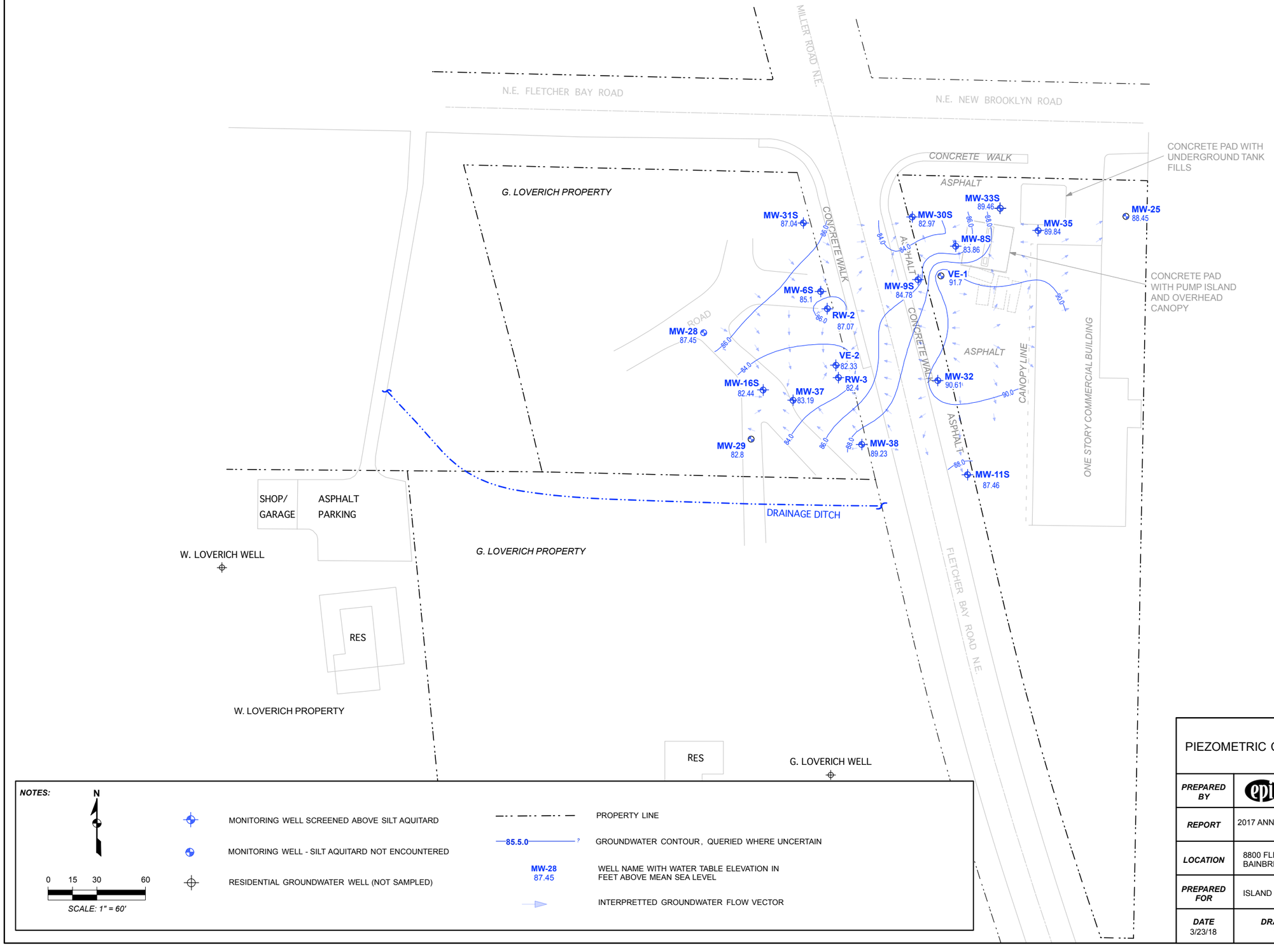
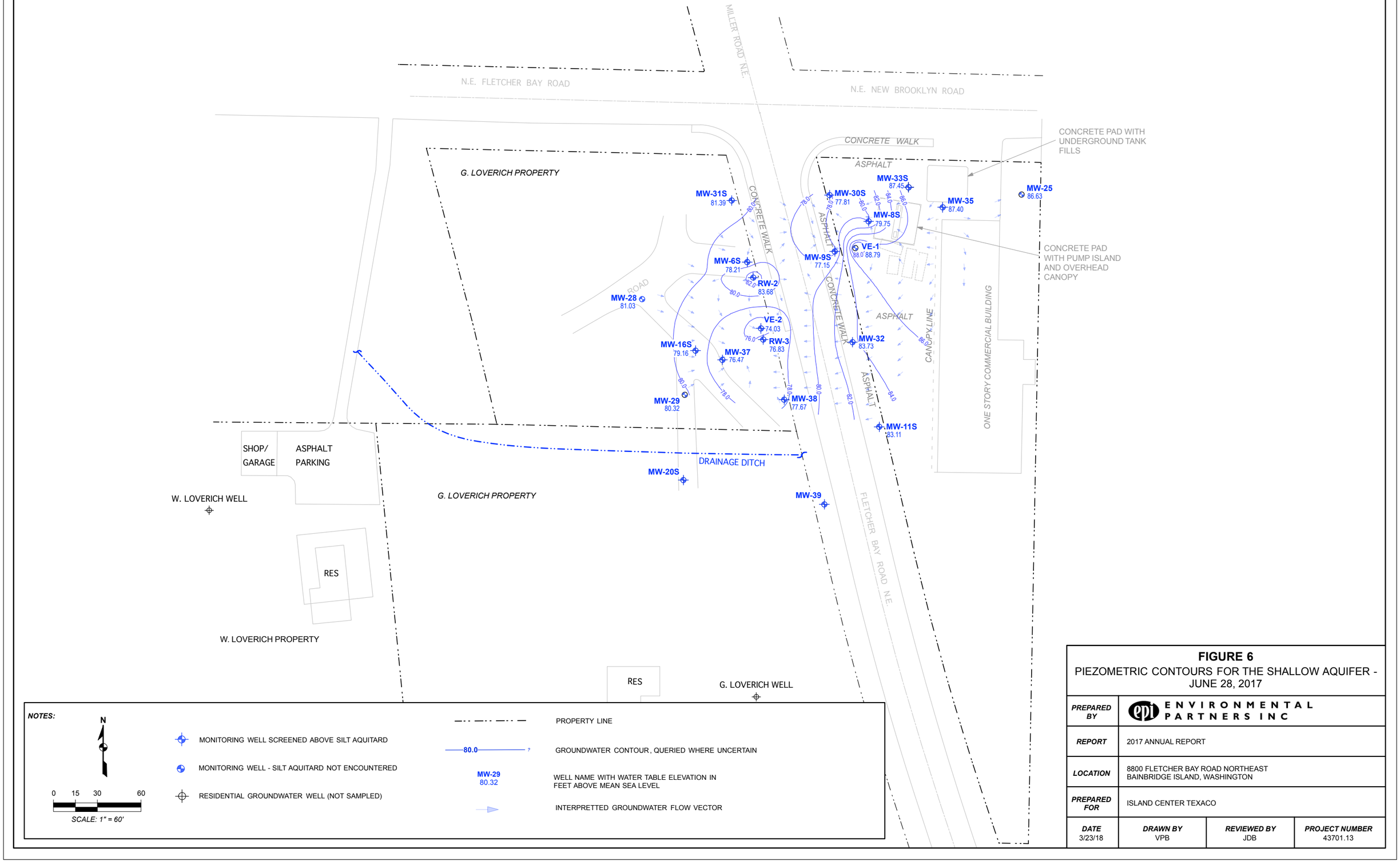


FIGURE 5

PIEZOMETRIC CONTOURS FOR THE SHALLOW AQUIFER - MARCH 27, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
3/23/18	VPB	JDB	43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

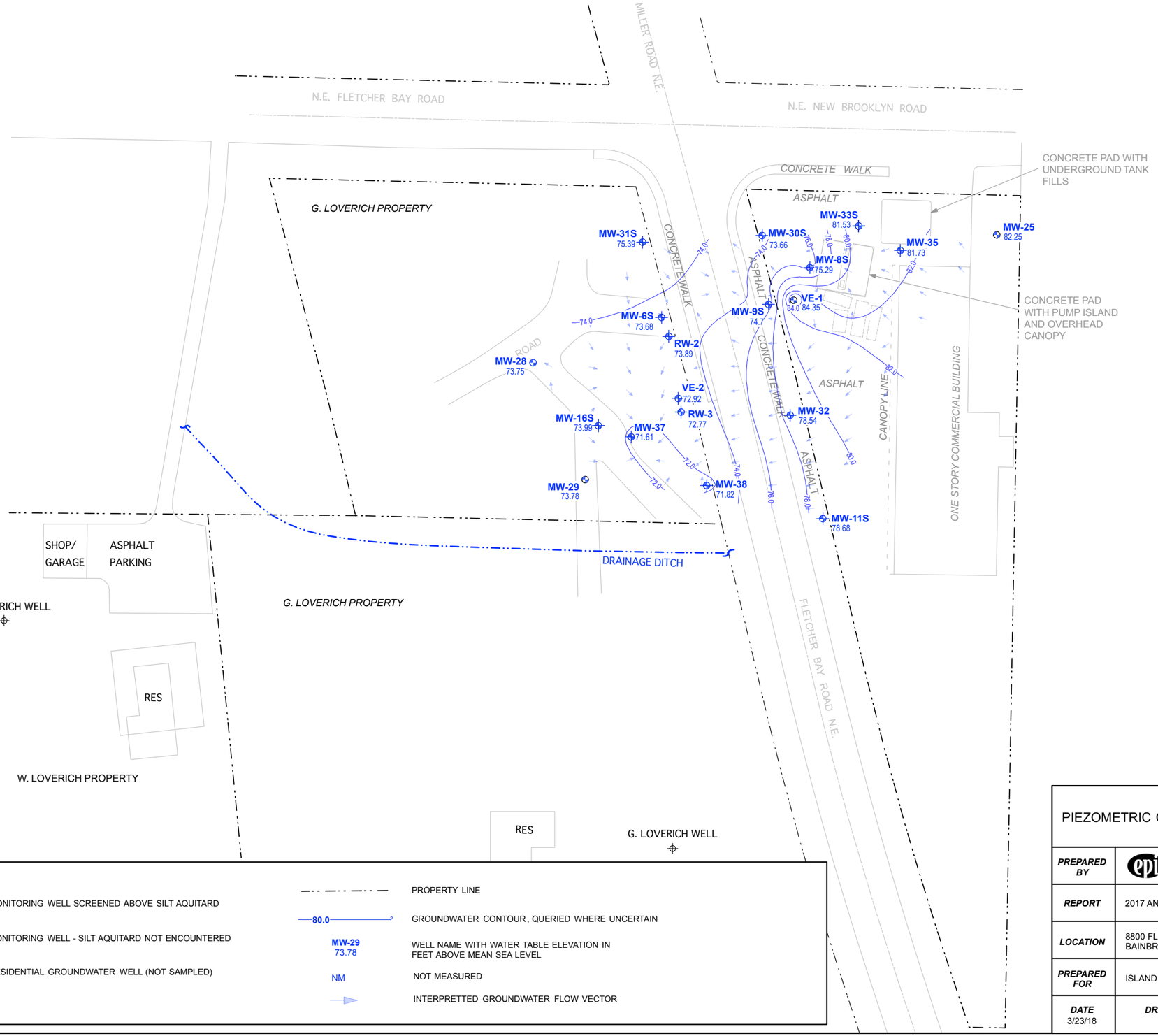
- MONITORING WELL SCREENED ABOVE SILT AQUITARD
- MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED
- RESIDENTIAL GROUNDWATER WELL (NOT SAMPLED)
- PROPERTY LINE
- 80.0 GROUNDWATER CONTOUR, QUERIED WHERE UNCERTAIN
- MW-29 80.32 WELL NAME WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- INTERPRETTED GROUNDWATER FLOW VECTOR

FIGURE 6

PIEZOMETRIC CONTOURS FOR THE SHALLOW AQUIFER - JUNE 28, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	***DRAWN BY***	***REVIEWED BY***	***PROJECT NUMBER***
3/23/18	VPB	JDB	43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

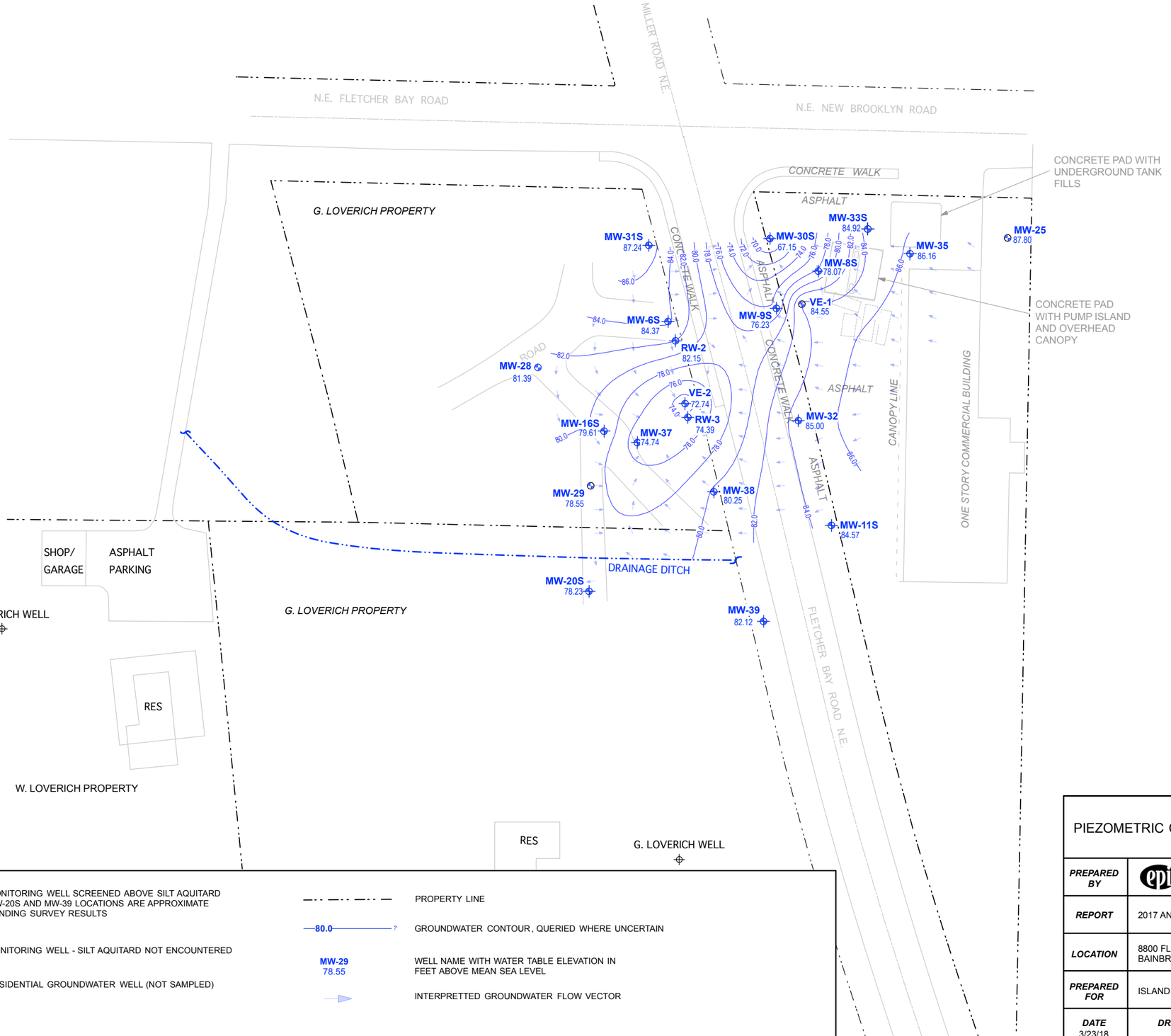
- MONITORING WELL SCREENED ABOVE SILT AQUITARD
- MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED
- RESIDENTIAL GROUNDWATER WELL (NOT SAMPLED)
- PROPERTY LINE
- 80.0 — GROUNDWATER CONTOUR, QUERIED WHERE UNCERTAIN
- MW-29 73.78 — WELL NAME WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- NM — NOT MEASURED
- INTERPRETTED GROUNDWATER FLOW VECTOR

FIGURE 7

PIEZOMETRIC CONTOURS FOR THE SHALLOW AQUIFER - SEPTEMBER 6, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	***DRAWN BY***	***REVIEWED BY***	***PROJECT NUMBER***
3/23/18	VPB	JDB	43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED ABOVE SILT AQUITARD MW-20S AND MW-39 LOCATIONS ARE APPROXIMATE PENDING SURVEY RESULTS

MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED

RESIDENTIAL GROUNDWATER WELL (NOT SAMPLED)

PROPERTY LINE

80.0 GROUNDWATER CONTOUR, QUERIED WHERE UNCERTAIN

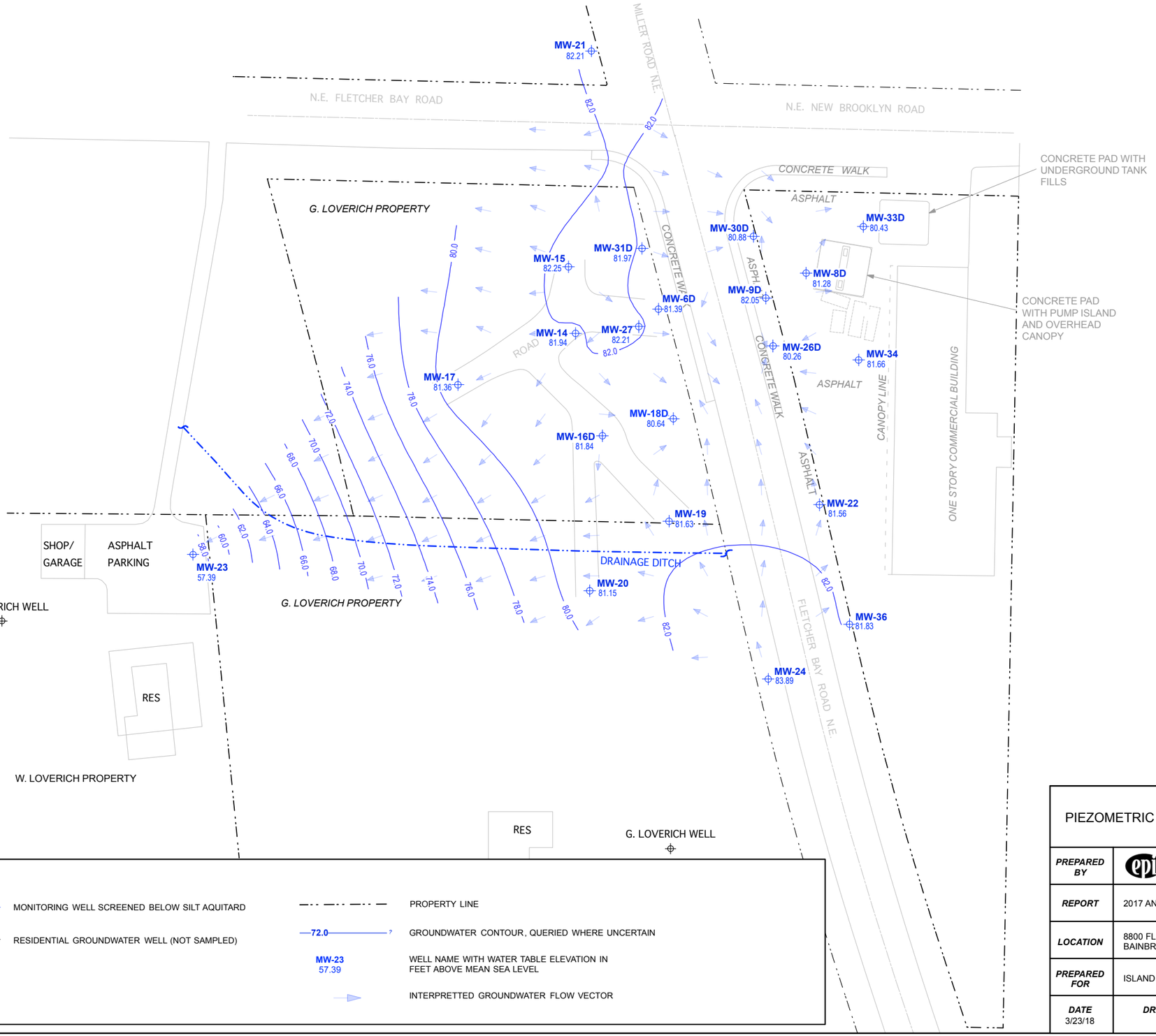
MW-29 78.55 WELL NAME WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL

INTERPRETTED GROUNDWATER FLOW VECTOR

FIGURE 8

PIEZOMETRIC CONTOURS FOR THE SHALLOW AQUIFER - DECEMBER 14, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/23/18	***DRAWN BY*** VPB	***REVIEWED BY*** JDB	***PROJECT NUMBER*** 43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

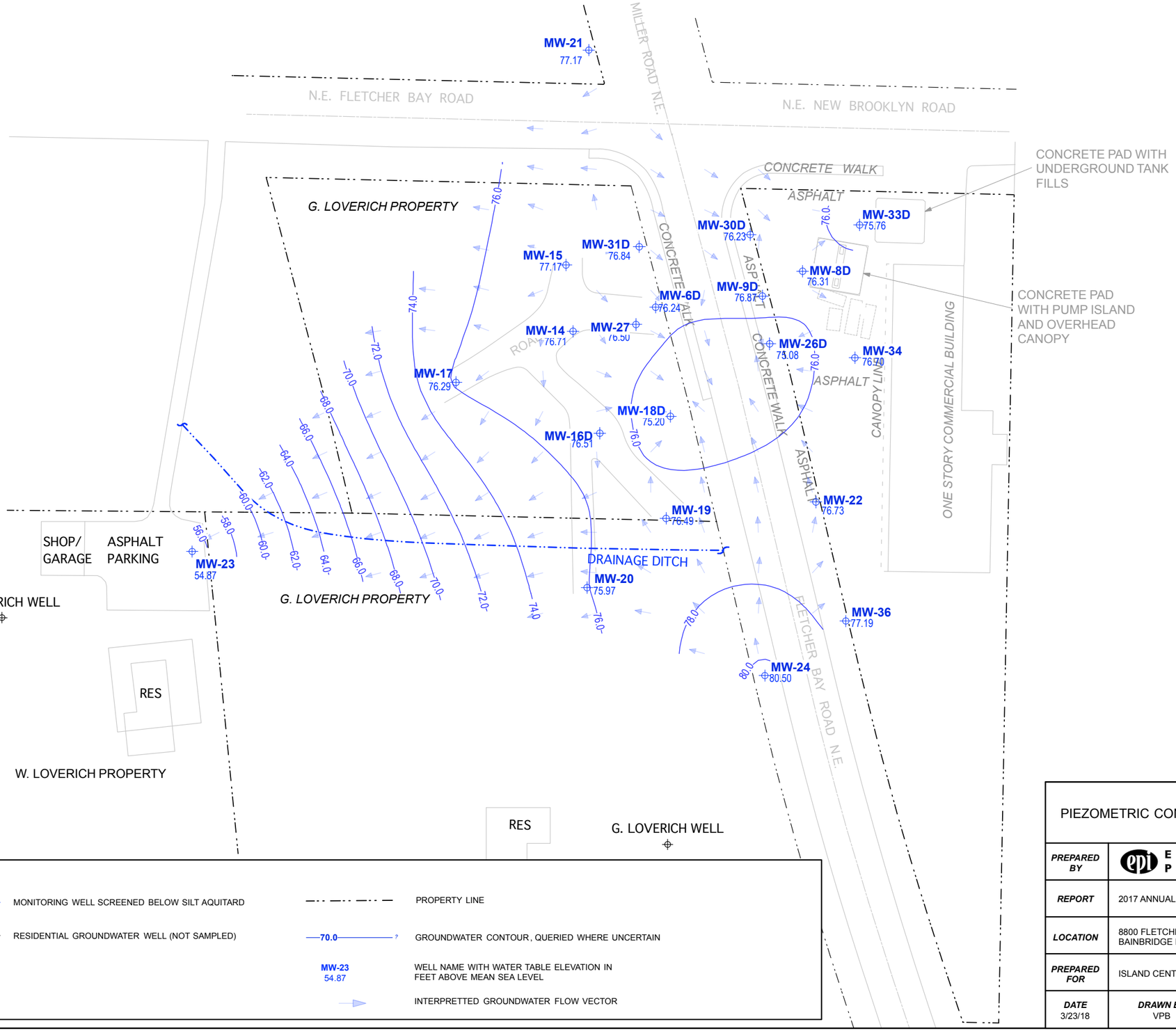
- MONITORING WELL SCREENED BELOW SILT AQUITARD
- RESIDENTIAL GROUNDWATER WELL (NOT SAMPLED)
- PROPERTY LINE
- 72.0 — GROUNDWATER CONTOUR, QUERIED WHERE UNCERTAIN
- MW-23 57.39 — WELL NAME WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- INTERPRETTED GROUNDWATER FLOW VECTOR

FIGURE 9

PIEZOMETRIC CONTOURS FOR THE DEEPER AQUIFER - MARCH 27, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
3/23/18	VPB	JDB	43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED BELOW SILT AQUITARD

RESIDENTIAL GROUNDWATER WELL (NOT SAMPLED)

PROPERTY LINE

70.0 GROUNDWATER CONTOUR, QUERIED WHERE UNCERTAIN

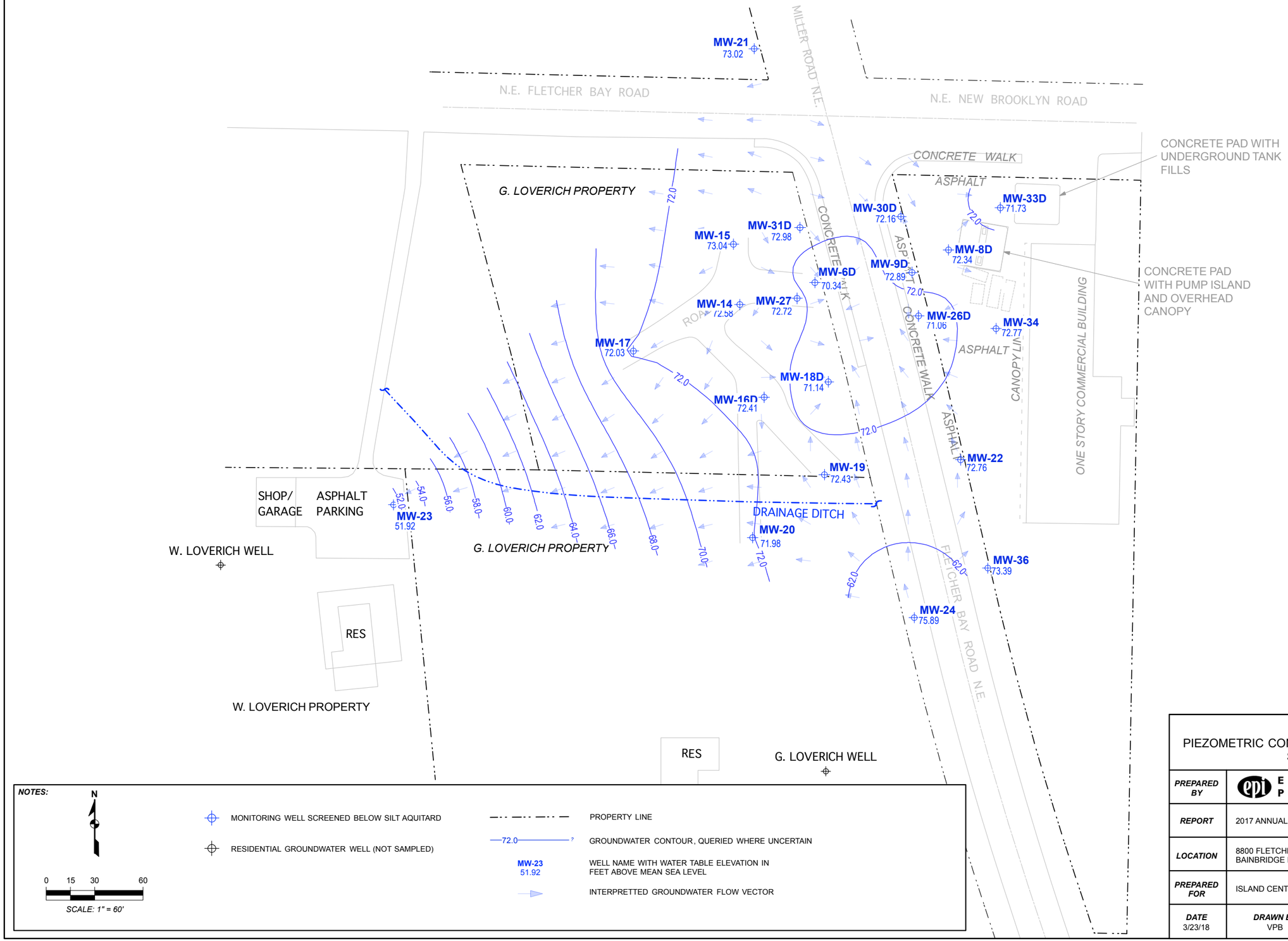
MW-23 54.87 WELL NAME WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL

INTERPRETTED GROUNDWATER FLOW VECTOR

FIGURE 10

PIEZOMETRIC CONTOURS FOR THE DEEPER AQUIFER - JUNE 28, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/23/18	**DRAWN BY** VPB	**REVIEWED BY** JDB	**PROJECT NUMBER** 43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED BELOW SILT AQUITARD

RESIDENTIAL GROUNDWATER WELL (NOT SAMPLED)

PROPERTY LINE

72.0 GROUNDWATER CONTOUR, QUERIED WHERE UNCERTAIN

MW-23 51.92 WELL NAME WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL

INTERPRETTED GROUNDWATER FLOW VECTOR

FIGURE 11

PIEZOMETRIC CONTOURS FOR THE DEEPER AQUIFER - SEPTEMBER 6, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/23/18	**DRAWN BY** VPB	**REVIEWED BY** JDB	**PROJECT NUMBER** 43701.13

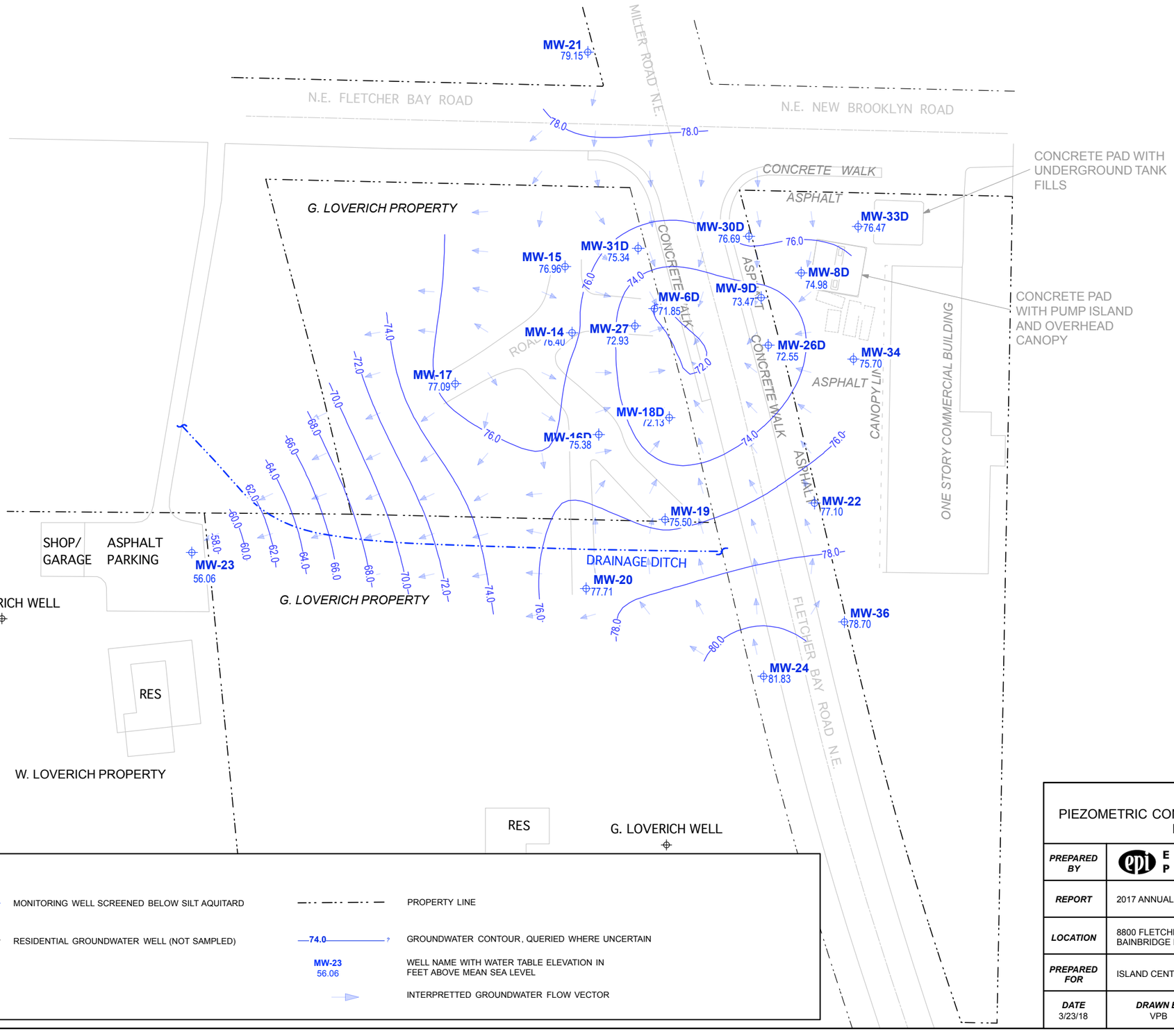
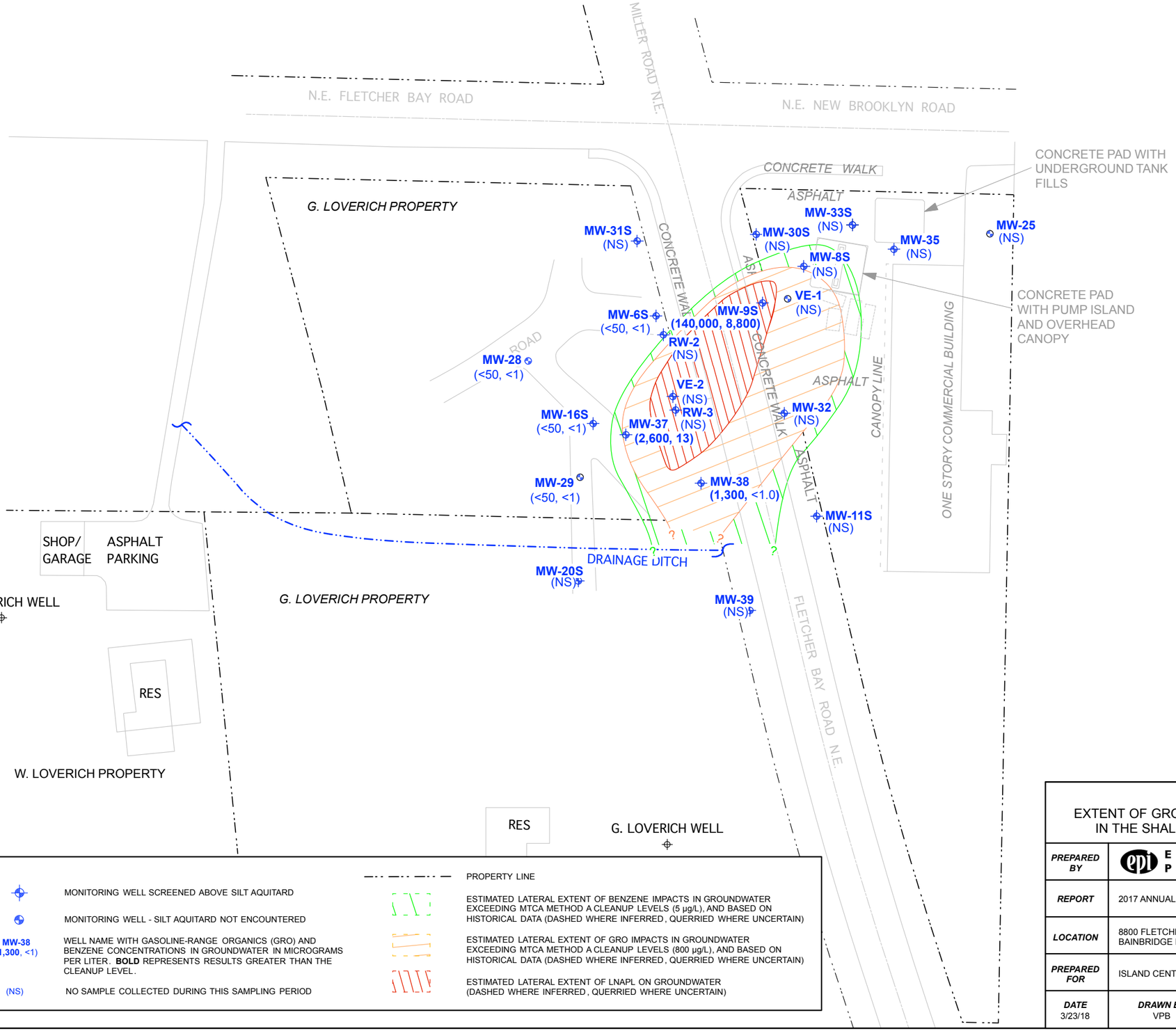


FIGURE 12

PIEZOMETRIC CONTOURS FOR THE DEEPER AQUIFER - DECEMBER 14, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/23/18	DRAWN BY VPB	REVIEWED BY JDB	PROJECT NUMBER 43701.13



NOTES:

N

0 15 30 60

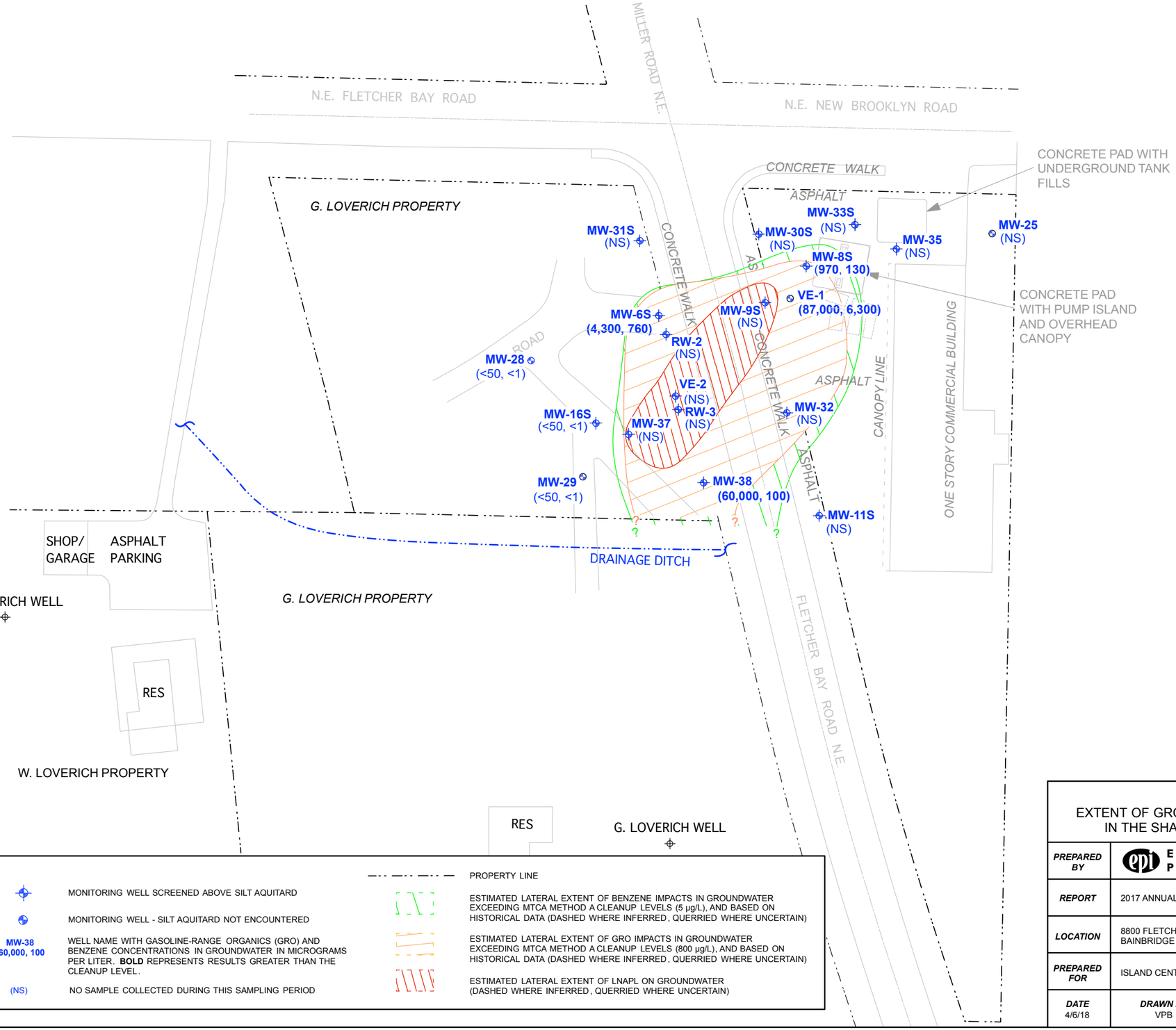
SCALE: 1" = 60'

- MONITORING WELL SCREENED ABOVE SILT AQUITARD
- MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED
- **MW-38 (1,300, <1)** — WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL.
- (NS) — NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD
- PROPERTY LINE
- ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED ON HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)
- ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)
- ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

FIGURE 13

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE SHALLOW AQUIFER - MARCH 28, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/23/18	**DRAWN BY** VPB	**REVIEWED BY** JDB	**PROJECT NUMBER** 43701.13



NOTES:

N

0 15 30 60

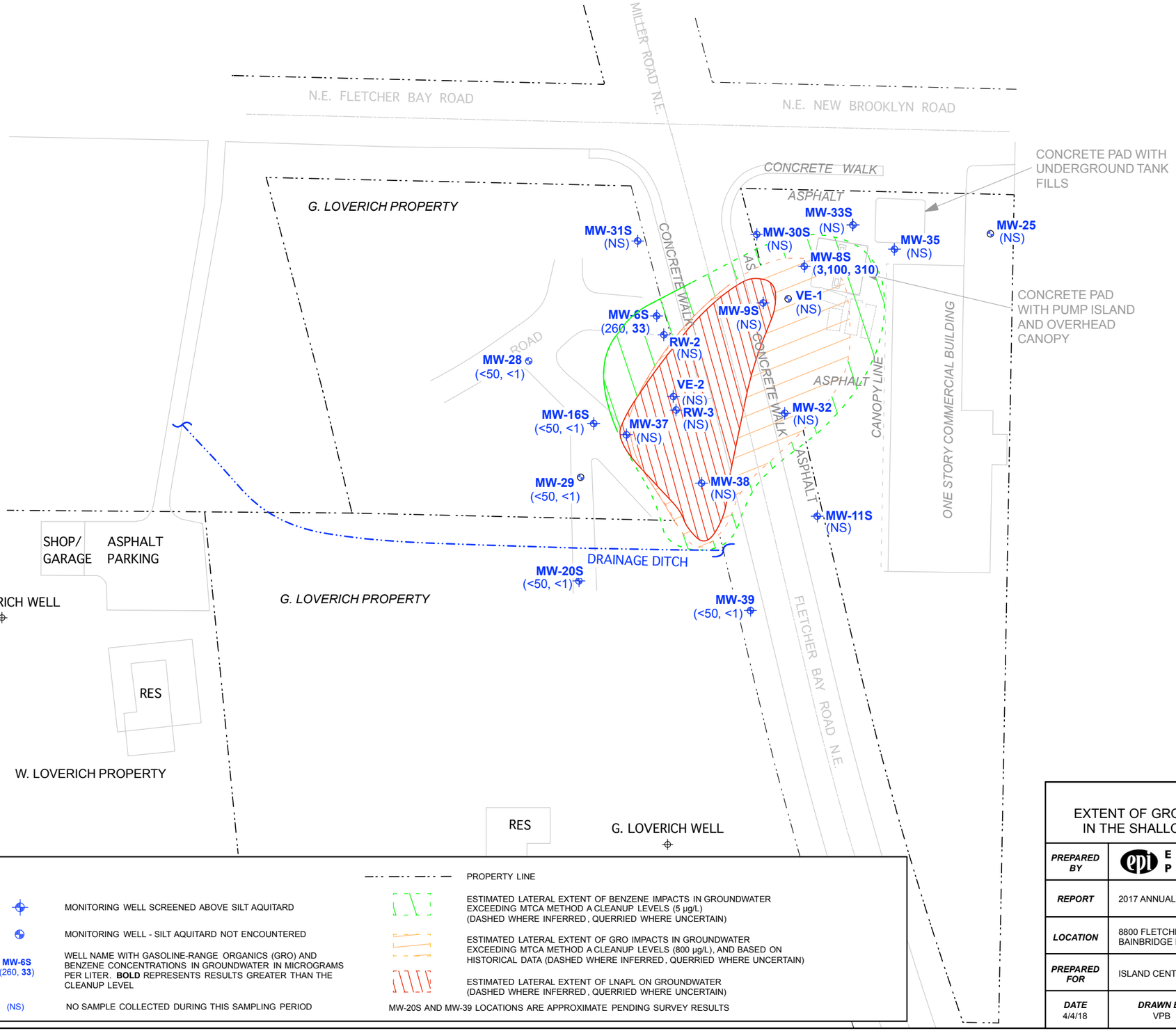
SCALE: 1" = 60'

- MONITORING WELL SCREENED ABOVE SILT AQUITARD
- MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED
- **MW-38 (60,000, 100** — WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL.
- (NS) — NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD
- PROPERTY LINE
- ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED ON HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)
- ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)
- ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

FIGURE 14

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE SHALLOW AQUIFER - JUNE 28, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 4/6/18	**DRAWN BY** VPB	**REVIEWED BY** JDB	**PROJECT NUMBER** 43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED ABOVE SILT AQUITARD

MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED

MW-6S (260, **33**) — WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL

(NS) — NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD

PROPERTY LINE

ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L) (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

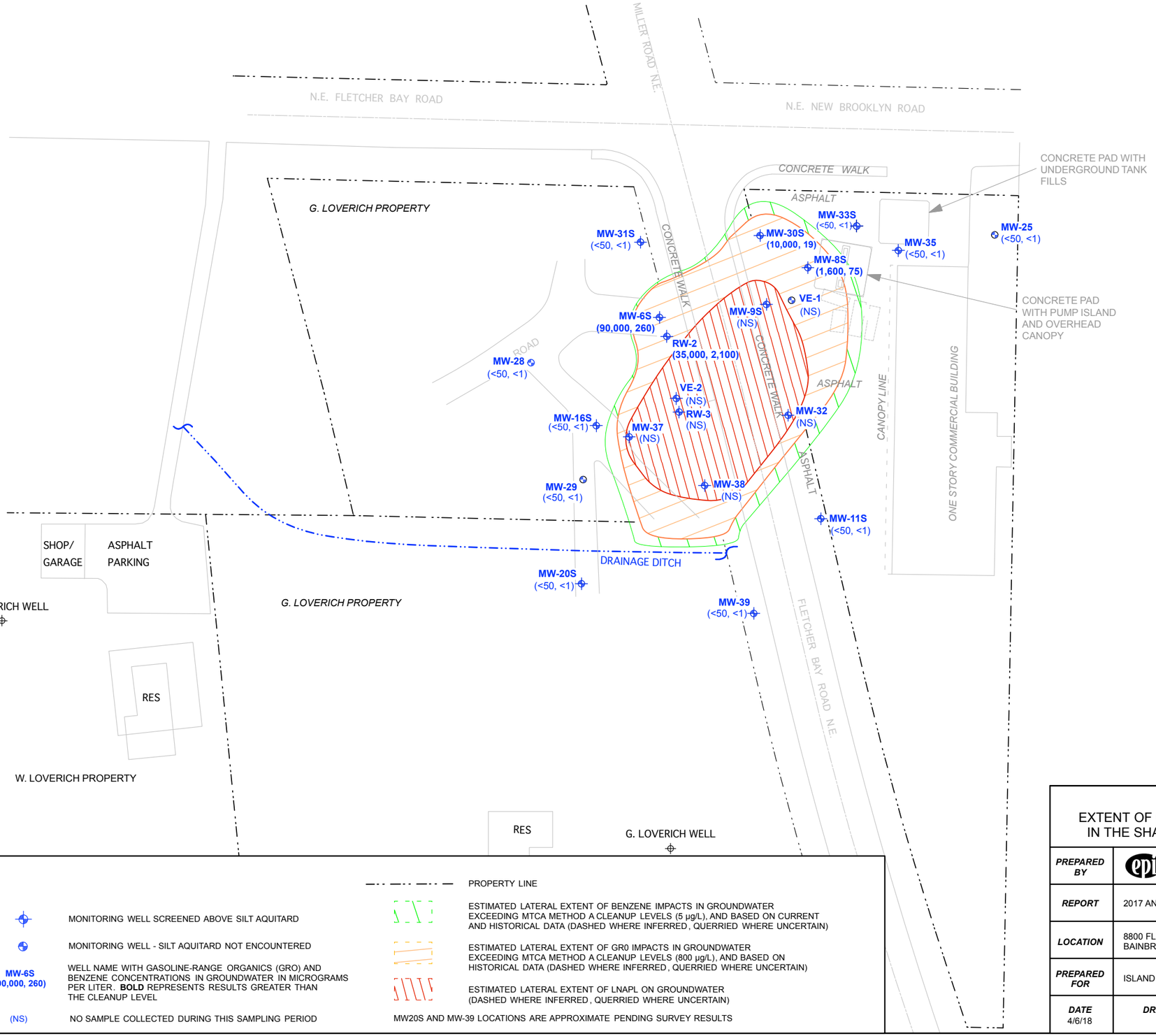
MW-20S AND MW-39 LOCATIONS ARE APPROXIMATE PENDING SURVEY RESULTS

FIGURE 15

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE SHALLOW AQUIFER - SEPTEMBER 6, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
4/4/18	VPB	JDB	43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED ABOVE SILT AQUITARD

MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED

MW-6S (90,000, 260) WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL

(NS) NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD

PROPERTY LINE

ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED ON CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF GR0 IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

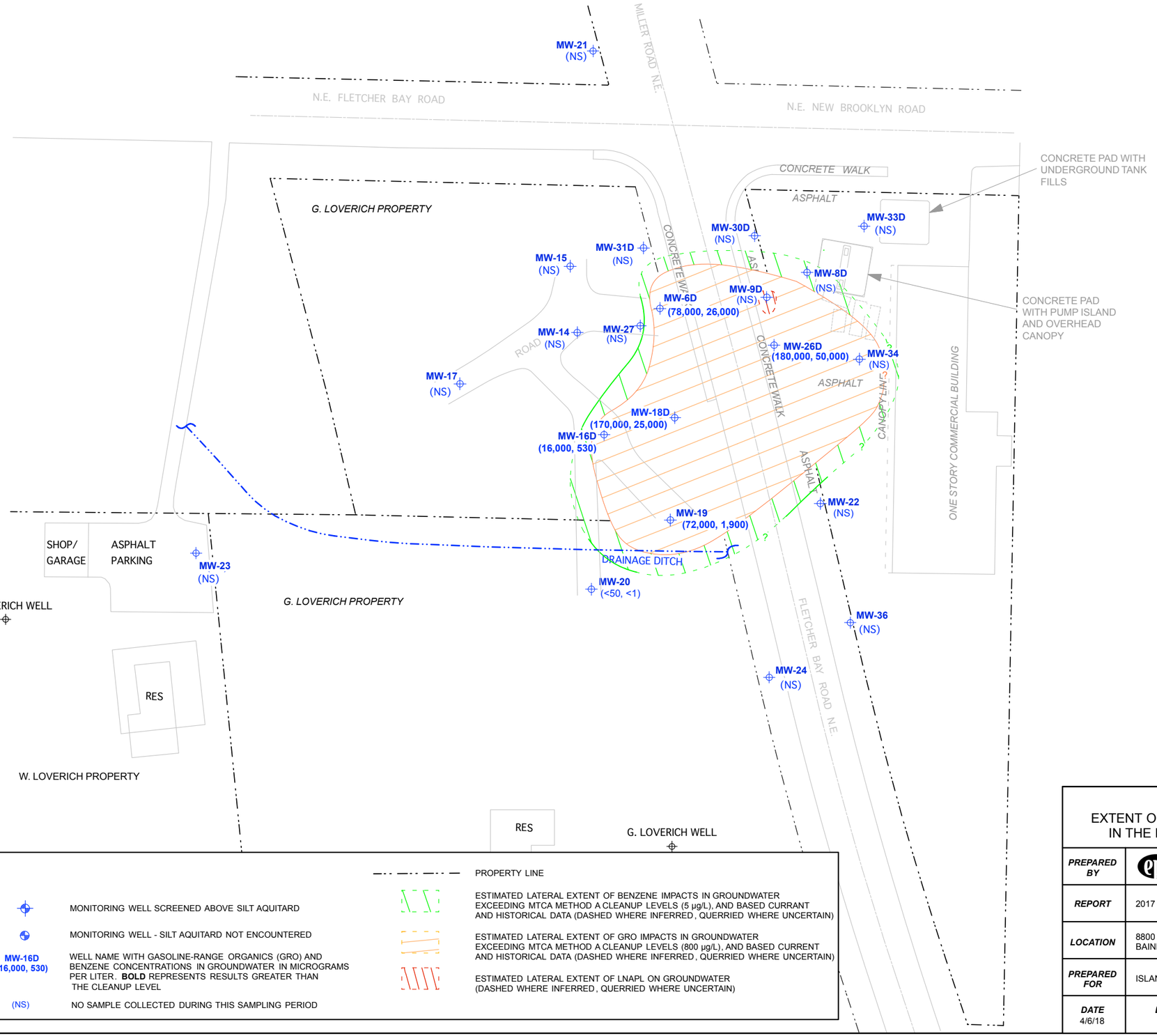
MW20S AND MW-39 LOCATIONS ARE APPROXIMATE PENDING SURVEY RESULTS

FIGURE 16

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE SHALLOW AQUIFER - DECEMBER 29, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	2017 ANNUAL REPORT
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON
PREPARED FOR	ISLAND CENTER TEXACO

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
4/6/18	VPB	JDB	43701.13



NOTES:

N

0 15 30 60

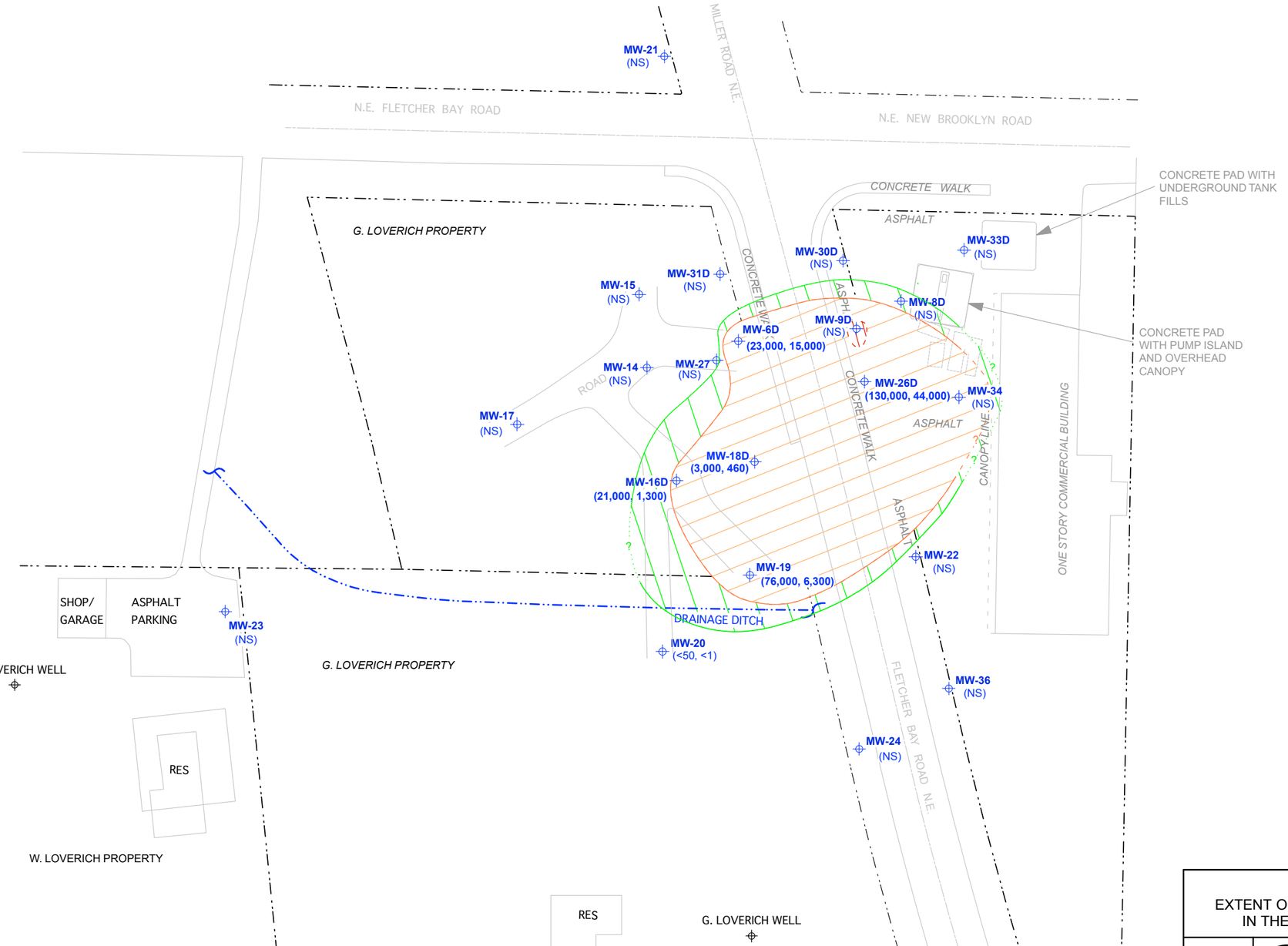
SCALE: 1" = 60'

- MONITORING WELL SCREENED ABOVE SILT AQUITARD
- MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED
- **MW-16D (16,000, 530)** — WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL
- (NS) — NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD
- PROPERTY LINE
- ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED CURRANT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)
- ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)
- ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

FIGURE 17

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE DEEPER AQUIFER - MARCH 27/28, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 4/6/18	**DRAWN BY** VPB	**REVIEWED BY** JDB	**PROJECT NUMBER** 43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED ABOVE SILT AQUITARD

MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED

MW-19 (76,000, 6,300) WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL.

(NS) NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD

PROPERTY LINE

ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

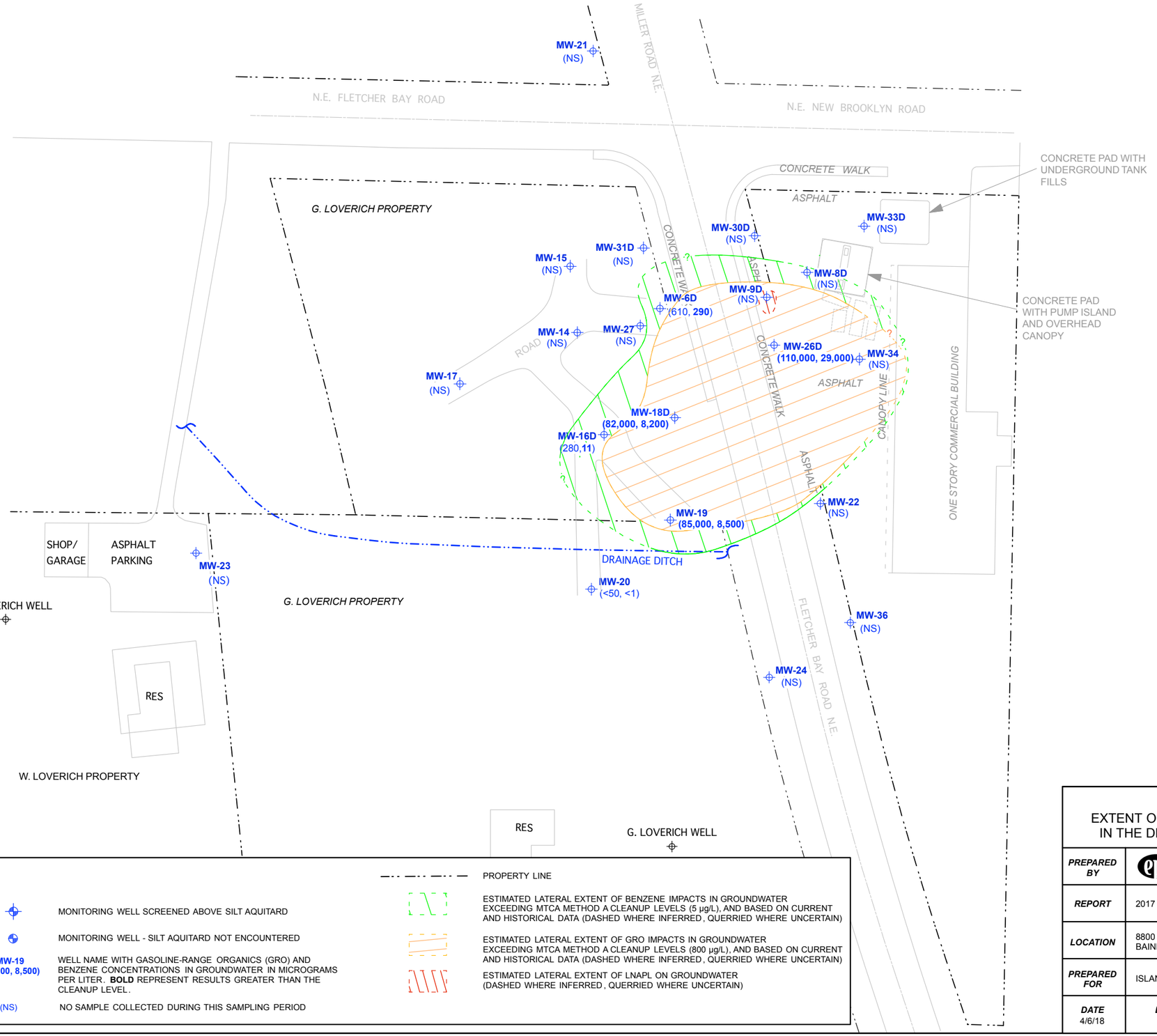
ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

FIGURE 18

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE DEEPER AQUIFER - JUNE 28/29, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 4/6/18	***DRAWN BY*** VPB	***REVIEWED BY*** JDB	***PROJECT NUMBER*** 43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED ABOVE SILT AQUITARD

MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED

MW-19 (85,000, 8,500) WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENT RESULTS GREATER THAN THE CLEANUP LEVEL.

(NS) NO SAMPLE COLLECTED DURING THIS SAMPLING PERIOD

PROPERTY LINE

ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED ON CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

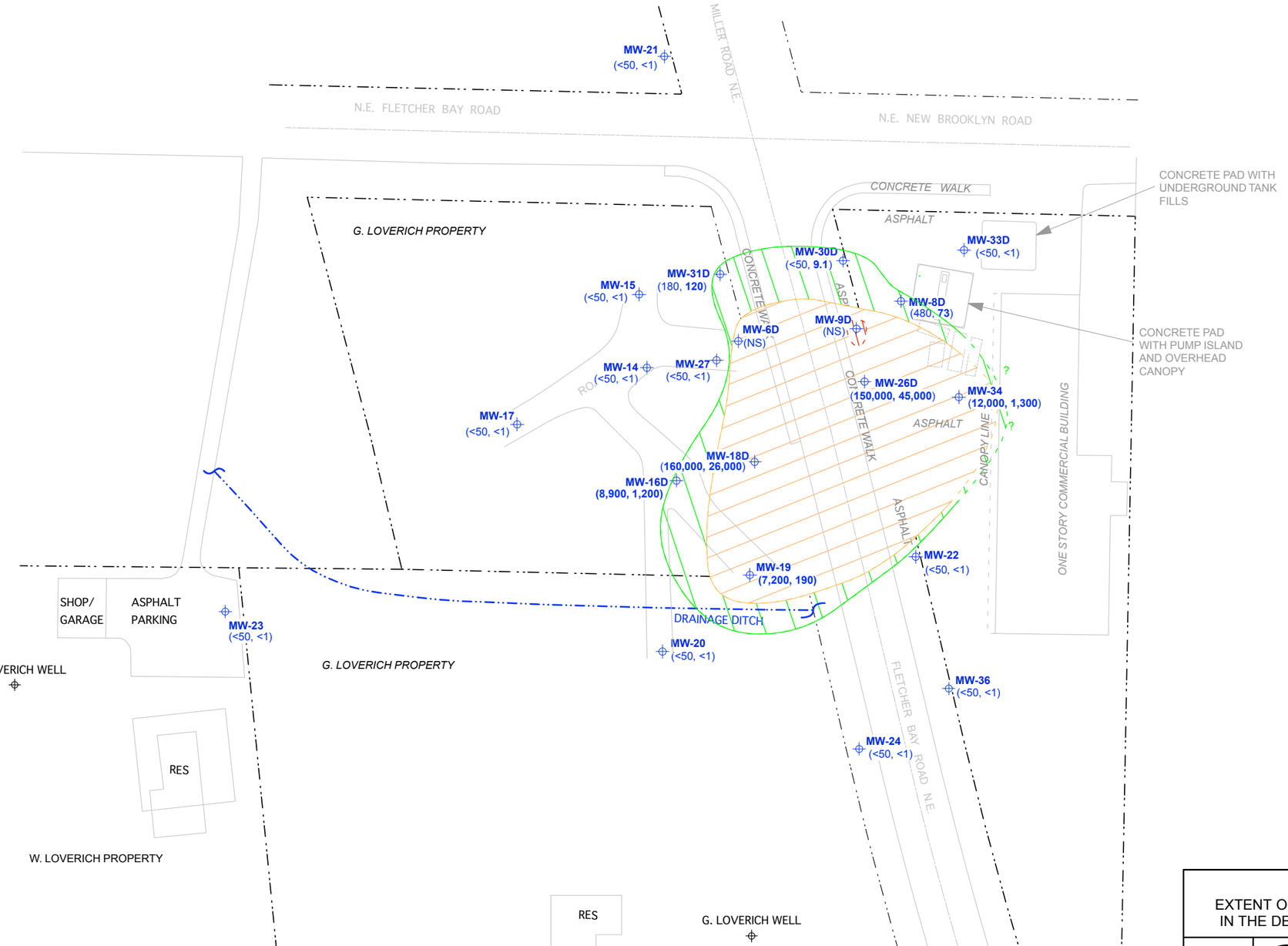
ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

FIGURE 19

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE DEEPER AQUIFER - SEPTEMBER 6/7, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 4/6/18	***DRAWN BY*** VPB	***REVIEWED BY*** JDB	***PROJECT NUMBER*** 43701.13



NOTES:

N

0 15 30 60

SCALE: 1" = 60'

MONITORING WELL SCREENED ABOVE SILT AQUITARD

MONITORING WELL - SILT AQUITARD NOT ENCOUNTERED

MW-19
(7,200, 190)

WELL NAME WITH GASOLINE-RANGE ORGANICS (GRO) AND BENZENE CONCENTRATIONS IN GROUNDWATER IN MICROGRAMS PER LITER. **BOLD** REPRESENTS RESULTS GREATER THAN THE CLEANUP LEVEL.

PROPERTY LINE

ESTIMATED LATERAL EXTENT OF BENZENE IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (5 µg/L), AND BASED ON CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF GRO IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (800 µg/L), AND BASED ON CURRENT AND HISTORICAL DATA (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

ESTIMATED LATERAL EXTENT OF LNAPL ON GROUNDWATER (DASHED WHERE INFERRED, QUERRIED WHERE UNCERTAIN)

FIGURE 20

EXTENT OF GRO AND BENZENE CONCENTRATIONS IN THE DEEPER AQUIFER - DECEMBER 28/29, 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 4/6/18	***DRAWN BY*** VPB	***REVIEWED BY*** JDB	***PROJECT NUMBER*** 43701.13

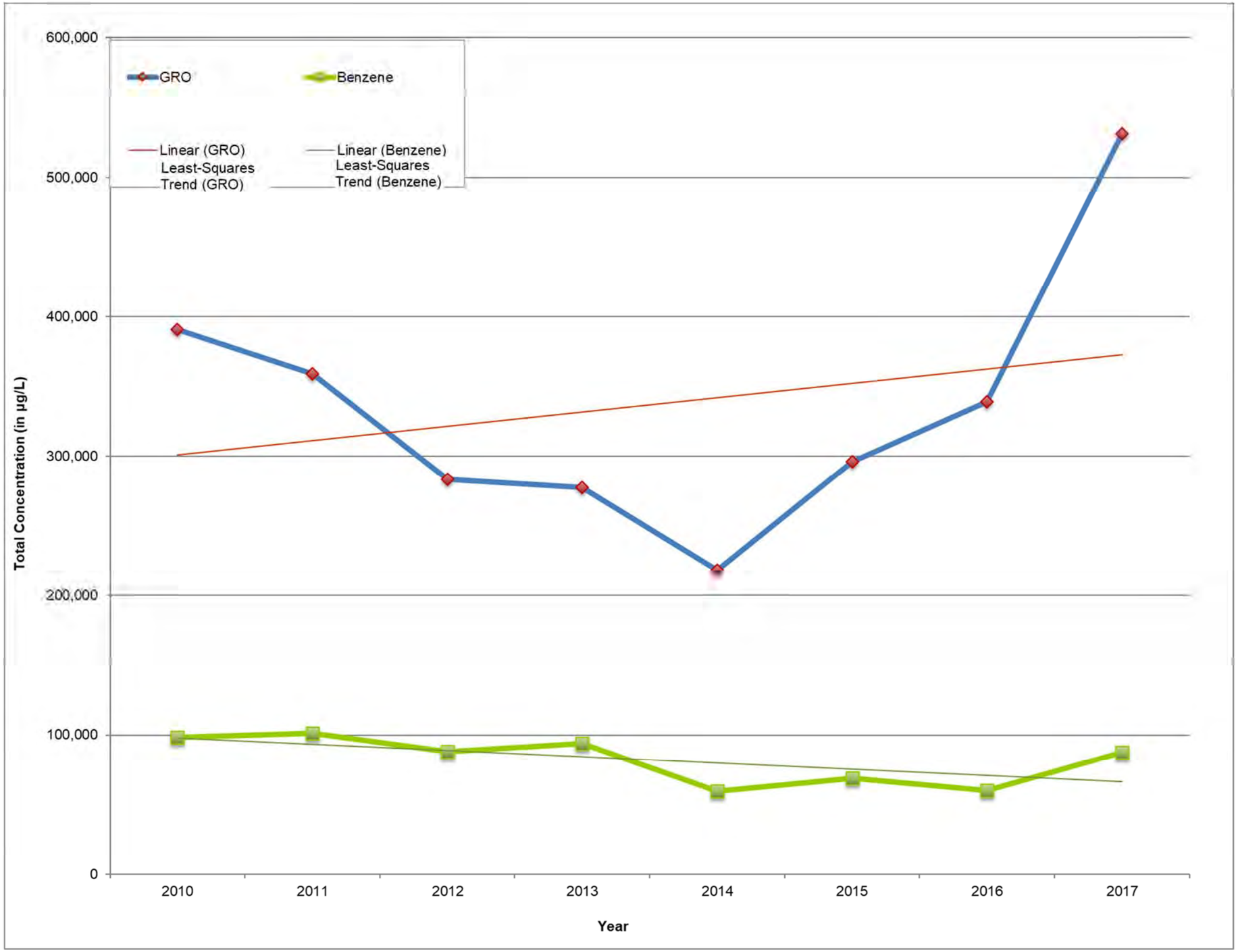


FIGURE 21

GRO AND BENZENE CONCENTRATIONS VS TIME
IN SHALLOW AQUIFER WELLS
2010 THROUGH 2017

PREPARED BY	EPI ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL GROUNDWATER MONITORING REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/29/18	***CREATED BY*** CSW	***REVIEWED BY*** JB	***PROJECT NUMBER*** 43701.13

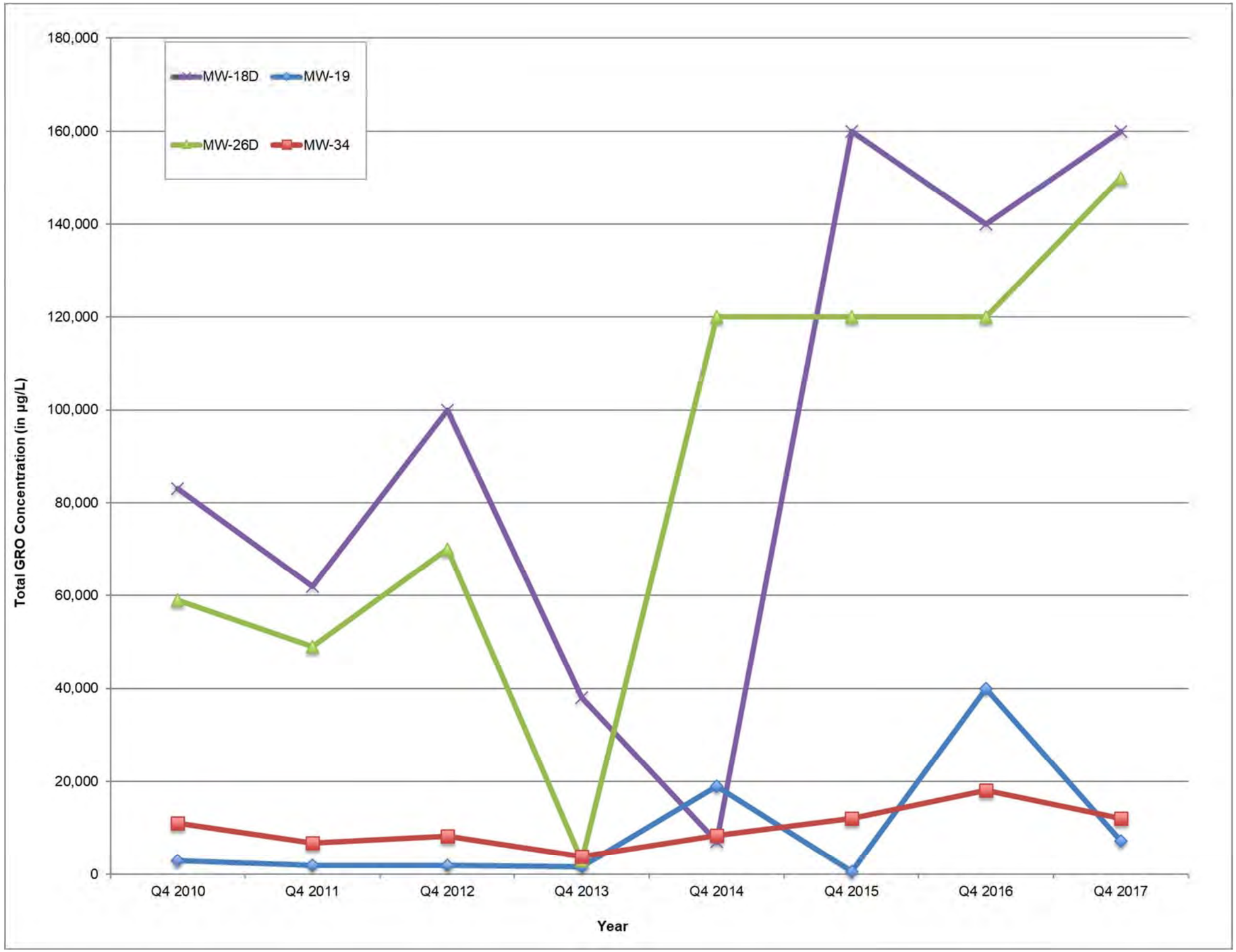


FIGURE 22

GRO CONCENTRATIONS VS TIME
SELECT DEEPER AQUIFER WELLS
4TH QUARTER 2010 – 4TH QUARTER 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL GROUNDWATER MONITORING REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/29/18	***CREATED BY*** CSW	***REVIEWED BY*** JB	***PROJECT NUMBER*** 43701.13

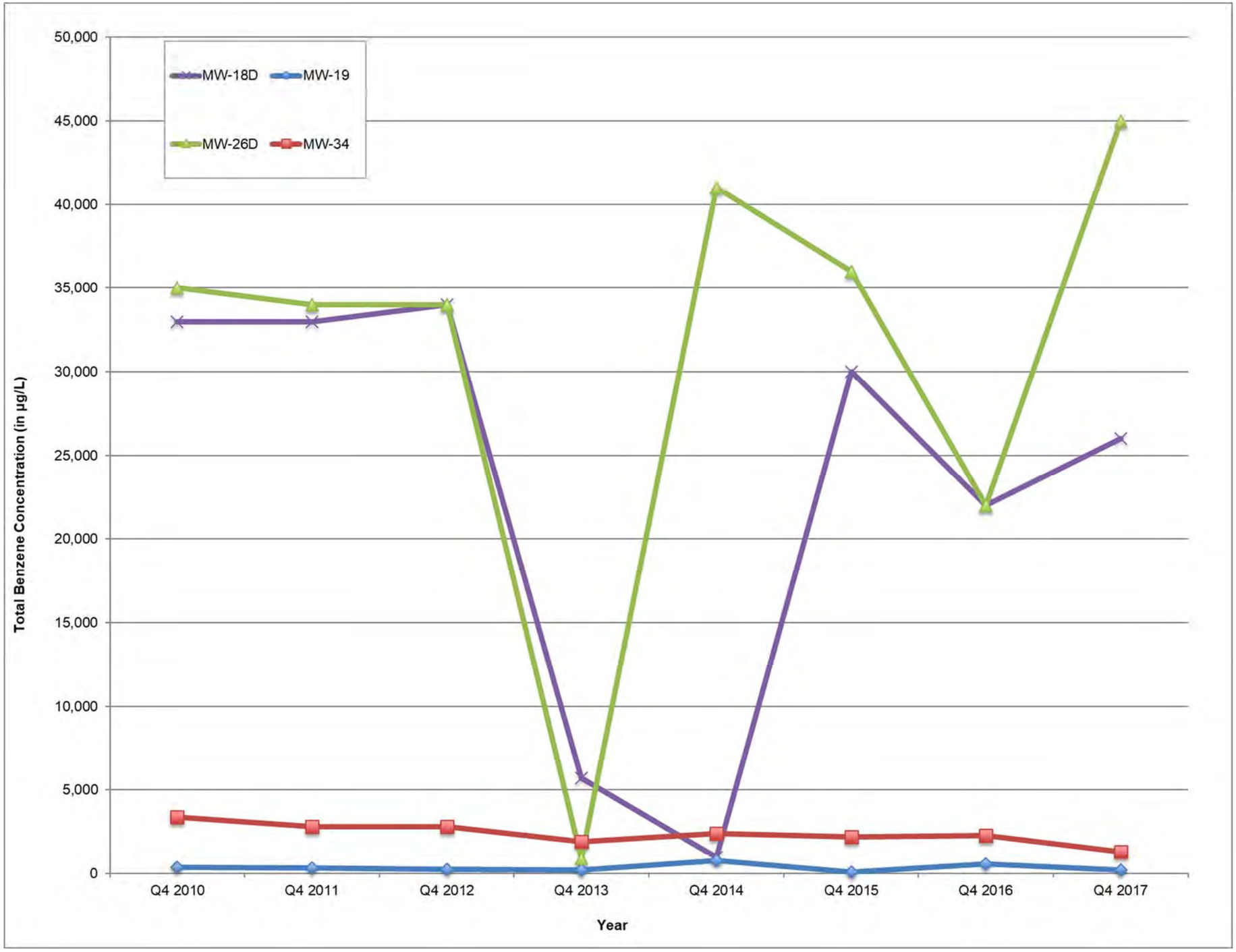


FIGURE 23

BENZENE CONCENTRATIONS VS TIME
SELECT DEEPER AQUIFER WELLS
4TH QUARTER 2010 – 4TH QUARTER 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	2017 ANNUAL GROUNDWATER MONITORING REPORT		
LOCATION	8800 FLETCHER BAY ROAD NORTHEAST BAINBRIDGE ISLAND, WASHINGTON		
PREPARED FOR	ISLAND CENTER TEXACO		
DATE 3/29/18	***CREATED BY*** CSW	***REVIEWED BY*** JB	***PROJECT NUMBER*** 43701.13

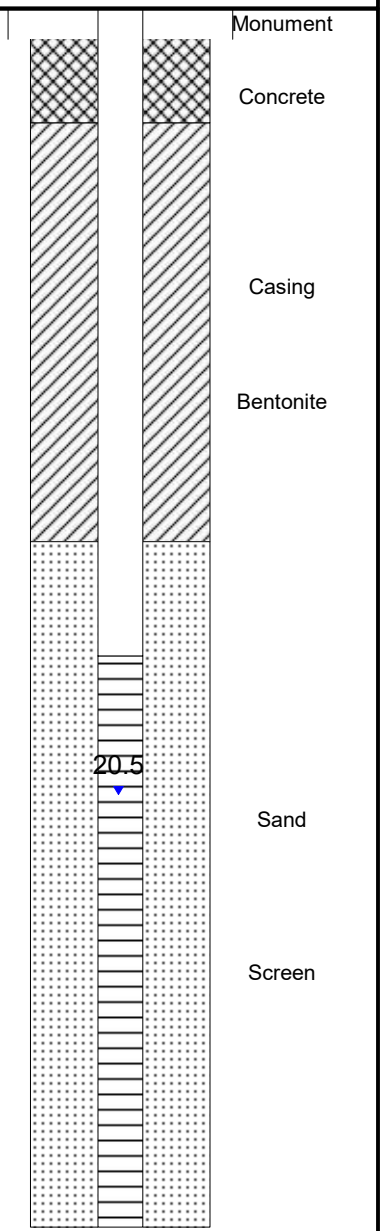
Attachment A
Well Logs

ENVIRONMENTAL PARTNERS INC

BORING ID: MW-20s

SITE ADDRESS	CLIENT:	CASING MATERIAL AND SIZE:
8800 Fletcher Bay Road NW, Bainbridge Island, WA	**Island Center Texaco**	**2" Sch 40 PVC**
DRILLING CONTRACTOR:	PROJECT #:	SCREEN SIZE:
Cascade Drilling	**43701**	**0.01**
DRILLING EQUIPMENT:	DATE:	SCREEN INTERVAL:
Truck-Mounted CMW 55	**9/15/17**	**17'-32'**
DRILLING METHOD:	GROUND SURFACE ELEV. FT AMSL:	FILTER PACK:
HSA		**Silica Sand**
LOGGED BY: / BOREHOLE SIZE:	TOTAL DEPTH:	FILTER PACK INTERVAL:
N. Hinsperger L.G. / **8.625**	**32**	**14'-32'**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	Blows per 6"	Sample	PID (ppm)
0	SP/SM	POORLY-GRADED SAND WITH SILT; grayish brown; dry; very dense; rootlets.				
6			50	14, 50 for 6"		0.2
10		minor gravel	50	50 for 6"		0
16	SM	SANDY SILT WITH GRAVEL; grayish brown; dry; very dense; minor gravel.	80	50 for 6"	MW-20s:15 (09:15)	4.1
20		few gravel	30	50 for 5"		0
24		SILTY SAND; fine grained; grayish brown; damp; very dense; trace medium gravel; trace cobble; some oxidization.	80	50 for 6"		0
26		trace medium to coarse gravel	33	50 for 5"		0
28	SM	few medium to coarse gravel, moist	50	50 for 6"		0
30		wet, trace cobble				0
32		minor medium to coarse gravel	66	50 for 6"		
		End of Borehole				



NOTES:

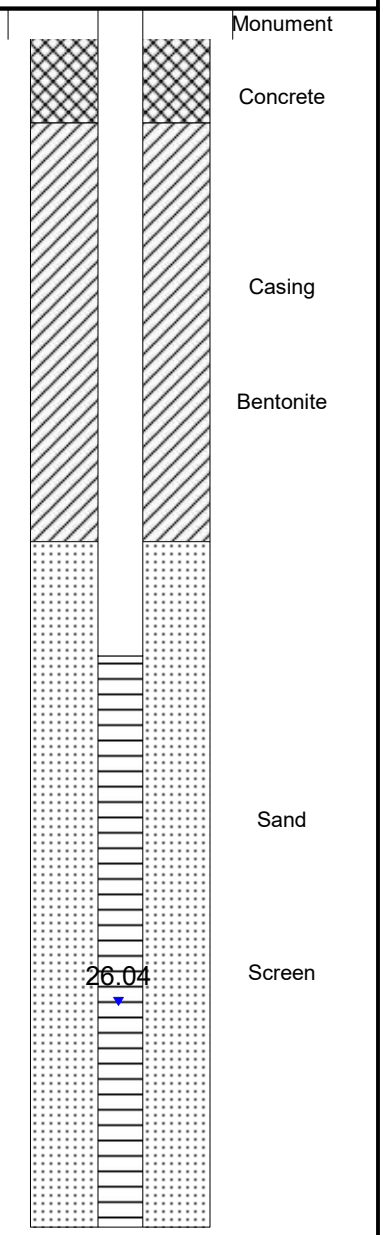
ENVIRONMENTAL PARTNERS INC

BORING ID: MW-39

SITE ADDRESS	CLIENT:	CASING MATERIAL AND SIZE:
8800 Fletcher Bay Road NW, Bainbridge Island, WA	**Island Center Texaco**	**2" Sch 40 PVC**
DRILLING CONTRACTOR:	PROJECT #:	SCREEN SIZE:
Cascade Drilling	**43701**	**0.01**
DRILLING EQUIPMENT:	DATE:	SCREEN INTERVAL:
Truck-Mounted CMW 55	**9/15/17**	**17'-32'**
DRILLING METHOD:	GROUND SURFACE ELEV. FT AMSL:	FILTER PACK:
HSA		**Silica Sand**
LOGGED BY: / BOREHOLE SIZE:	TOTAL DEPTH:	FILTER PACK INTERVAL:
N. Hinsperger L.G. / **8.625**	**32**	**14'-32'**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	Blows per 6"	Sample	PID (ppm)
0		Hand Cleared to 5'.				
2	Hand Cleared					
4						
6	SM	SILTY SAND; fine grained; light reddish brown; damp; medium dense; medium to coarse gravel; trace cobble.	50	3,5,15		
8						
10		grayish brown; very dense; some gravel	75	50 for 6"	MW-39: 5 (11:50)	6.1
12						
14		damp; grayish brown; very dense				0.8
16			50	50 for 4"		
18						
20		few cobble				0.1
22			50	50 for 6"		
24		light reddish brown; damp; very dense; trace medium gravel	25	50 for 4"		0
26		SANDY SILT WITH GRAVEL; fine grained; reddish grey; damp; very dense; few cobble.	50	50 for 2"		0
28	SM	very dense at 27.5'	50	50 for 4"		0
30		SANDY SILT; fine grained; grayish brown; damp; very dense; trace coarse gravel; trace cobble.	50	50 for 5"		0
32	SM / ML	SILTY WITH SAND; grayish-brown; damp to moist; very dense; trace fine gravel.	66	50 for 6"	MW-39: 32 (13:30)	0
34		End of Borehole				

Well Construction



NOTES:

Attachment B
Analytical Laboratory Reports

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1701107

January 16, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 1/13/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *01/16/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1701107

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1701107-001	SP-1	01/13/2017 7:00 AM	01/13/2017 11:18 AM
1701107-002	SP-3	01/13/2017 7:10 AM	01/13/2017 11:18 AM
1701107-003	SP-4	01/13/2017 7:20 AM	01/13/2017 11:18 AM

Case Narrative

WO#: **1701107**
Date: **1/16/2017**

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1701107**
Date Reported: **1/16/2017**

Client: Environmental Partners, Inc.
Collection Date: 1/13/2017 7:00:00 AM
Project: Island Center Texaco
Lab ID: 1701107-001
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R33888		Analyst: NG
Benzene	ND	0.100		µg/L	1	1/13/2017 3:11:11 PM
Toluene	0.224	0.100		µg/L	1	1/13/2017 3:11:11 PM
Ethylbenzene	ND	0.100		µg/L	1	1/13/2017 3:11:11 PM
m,p-Xylene	ND	0.100		µg/L	1	1/13/2017 3:11:11 PM
o-Xylene	ND	0.100		µg/L	1	1/13/2017 3:11:11 PM
Surr: Dibromofluoromethane	105	61.1-128		%Rec	1	1/13/2017 3:11:11 PM
Surr: Toluene-d8	107	66-138		%Rec	1	1/13/2017 3:11:11 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	64.7-128		%Rec	1	1/13/2017 3:11:11 PM
Gasoline by NWTPH-Gx				Batch ID: R33889		Analyst: NG
Gasoline	ND	5.00		µg/L	1	1/13/2017 3:11:11 PM
Surr: 4-Bromofluorobenzene	98.5	65-135		%Rec	1	1/13/2017 3:11:11 PM
Surr: Toluene-d8	103	65-135		%Rec	1	1/13/2017 3:11:11 PM

Analytical Report

Work Order: **1701107**
Date Reported: **1/16/2017**

Client: Environmental Partners, Inc.
Collection Date: 1/13/2017 7:10:00 AM
Project: Island Center Texaco
Lab ID: 1701107-002
Matrix: Air
Client Sample ID: **SP-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R33888		Analyst: NG
Benzene	ND	0.100		µg/L	1	1/13/2017 2:42:03 PM
Toluene	0.213	0.100		µg/L	1	1/13/2017 2:42:03 PM
Ethylbenzene	ND	0.100		µg/L	1	1/13/2017 2:42:03 PM
m,p-Xylene	ND	0.100		µg/L	1	1/13/2017 2:42:03 PM
o-Xylene	ND	0.100		µg/L	1	1/13/2017 2:42:03 PM
Surr: Dibromofluoromethane	106	61.1-128		%Rec	1	1/13/2017 2:42:03 PM
Surr: Toluene-d8	109	66-138		%Rec	1	1/13/2017 2:42:03 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	64.7-128		%Rec	1	1/13/2017 2:42:03 PM
Gasoline by NWTPH-Gx				Batch ID: R33889		Analyst: NG
Gasoline	ND	5.00		µg/L	1	1/13/2017 2:42:03 PM
Surr: 4-Bromofluorobenzene	98.5	65-135		%Rec	1	1/13/2017 2:42:03 PM
Surr: Toluene-d8	103	65-135		%Rec	1	1/13/2017 2:42:03 PM

Analytical Report

Work Order: **1701107**
Date Reported: **1/16/2017**

Client: Environmental Partners, Inc.
Collection Date: 1/13/2017 7:20:00 AM
Project: Island Center Texaco
Lab ID: 1701107-003
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R33888		Analyst: NG
Benzene	ND	0.100		µg/L	1	1/13/2017 2:12:57 PM
Toluene	ND	0.100		µg/L	1	1/13/2017 2:12:57 PM
Ethylbenzene	ND	0.100		µg/L	1	1/13/2017 2:12:57 PM
m,p-Xylene	ND	0.100		µg/L	1	1/13/2017 2:12:57 PM
o-Xylene	ND	0.100		µg/L	1	1/13/2017 2:12:57 PM
Surr: Dibromofluoromethane	105	61.1-128		%Rec	1	1/13/2017 2:12:57 PM
Surr: Toluene-d8	108	66-138		%Rec	1	1/13/2017 2:12:57 PM
Surr: 1-Bromo-4-fluorobenzene	96.8	64.7-128		%Rec	1	1/13/2017 2:12:57 PM
Gasoline by NWTPH-Gx				Batch ID: R33889		Analyst: NG
Gasoline	ND	5.00		µg/L	1	1/13/2017 2:12:57 PM
Surr: 4-Bromofluorobenzene	96.4	65-135		%Rec	1	1/13/2017 2:12:57 PM
Surr: Toluene-d8	102	65-135		%Rec	1	1/13/2017 2:12:57 PM

Work Order: 1701107
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **MB-R33889** SampType: **MBLK** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33889**
Client ID: **MBLKW** Batch ID: **R33889** Analysis Date: **1/13/2017** SeqNo: **644337**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.42		2.500		96.8	65	135				
Surr: Toluene-d8	2.58		2.500		103	65	135				

Sample ID **1701107-003AREP** SampType: **REP** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33889**
Client ID: **SP-4** Batch ID: **R33889** Analysis Date: **1/13/2017** SeqNo: **644332**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00						0		30	
Surr: 4-Bromofluorobenzene	2.47		2.500		98.7	65	135		0		
Surr: Toluene-d8	2.57		2.500		103	65	135		0		

Sample ID **LCS-R33889** SampType: **LCS** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33889**
Client ID: **LCSW** Batch ID: **R33889** Analysis Date: **1/13/2017** SeqNo: **644336**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	57.2	5.00	50.00	0	114	65	135				
Surr: 4-Bromofluorobenzene	2.51		2.500		100	65	135				
Surr: Toluene-d8	2.58		2.500		103	65	135				

Sample ID **LCSD-R33889** SampType: **LCSD** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33889**
Client ID: **LCSW02** Batch ID: **R33889** Analysis Date: **1/13/2017** SeqNo: **644335**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	49.3	5.00	50.00	0	98.5	65	135	57.17	14.9	20	
Surr: 4-Bromofluorobenzene	2.51		2.500		100	65	135		0		
Surr: Toluene-d8	2.58		2.500		103	65	135		0		

Work Order: 1701107
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-R33888** SampType: **MBLK** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33888**
Client ID: **MBLKW** Batch ID: **R33888** Analysis Date: **1/13/2017** SeqNo: **644304**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.62		2.500		105	61.1	128				
Surr: Toluene-d8	2.72		2.500		109	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.43		2.500		97.3	64.7	128				

Sample ID **1701107-003AREP** SampType: **REP** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33888**
Client ID: **SP-4** Batch ID: **R33888** Analysis Date: **1/13/2017** SeqNo: **644299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.100						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	2.60		2.500		104	61.1	128		0		
Surr: Toluene-d8	2.68		2.500		107	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.48		2.500		99.1	64.7	128		0		

Sample ID **LCS-R33888** SampType: **LCS** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33888**
Client ID: **LCSW** Batch ID: **R33888** Analysis Date: **1/13/2017** SeqNo: **644303**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.39	0.100	2.000	0	119	67.1	132				
Toluene	2.27	0.100	2.000	0	114	73.6	127				
Ethylbenzene	2.11	0.100	2.000	0	105	78	127				
m,p-Xylene	4.15	0.100	4.000	0	104	77.5	130				

Work Order: 1701107
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-R33888** SampType: **LCS** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33888**
Client ID: **LCSW** Batch ID: **R33888** Analysis Date: **1/13/2017** SeqNo: **644303**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	2.06	0.100	2.000	0	103	77.6	126				
Surr: Dibromofluoromethane	2.67		2.500		107	61.1	128				
Surr: Toluene-d8	2.72		2.500		109	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.60		2.500		104	64.7	128				

Sample ID **LCSD-R33888** SampType: **LCSD** Units: **µg/L** Prep Date: **1/13/2017** RunNo: **33888**
Client ID: **LCSW02** Batch ID: **R33888** Analysis Date: **1/13/2017** SeqNo: **644302**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.43	0.100	2.000	0	122	67.1	132	2.387	1.82	20	
Toluene	2.35	0.100	2.000	0	117	73.6	127	2.273	3.28	20	
Ethylbenzene	2.15	0.100	2.000	0	107	78	127	2.108	1.76	20	
m,p-Xylene	4.19	0.100	4.000	0	105	77.5	130	4.148	1.06	20	
o-Xylene	2.08	0.100	2.000	0	104	77.6	126	2.056	1.33	20	
Surr: Dibromofluoromethane	2.67		2.500		107	61.1	128		0		
Surr: Toluene-d8	2.73		2.500		109	66	138		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.59		2.500		104	64.7	128		0		

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1701107**
Logged by:	**Chelsea Ward**	Date Received:	**1/13/2017 11:18:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air Samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (Internal): 1701107

Date: 1-13-17 Page: 1 of: 1

Client: Environmental Partners Inc.
Address: 1180 NW Maple St.
City, State, Zip: Issaquah, WA 98027
Telephone: 425-395-0010 Fax:

Project Name: Island Center Texaco
Project No: 43701 Collected by: J. Sherrod
Location: Bainbridge Island
Reports To (PM): Josh Bernthal
Email (PM): joshb@epi-wa.com

* Gas Matrix Codes: I = Indoor SS = Subslab L = Landfill SG = Soil Gas M = Plume Mapping Q = Fuel Gas Quality L = LEED (Consult Client Services)

** Container Codes: 6L = Six Liter Canister (Summa) TB = Tedlar Bag BV = 1 Liter Bottle Vac MC = 1 Liter MiniCan HP = High Pressure Cylinder HJ = Glass Headspace Jar

	Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Gas Matrix Code *	Anticipated Fill Time	Sample Volume	Container Type **	Internal: Evacuation Pressure (mtorr)	Internal: Pressure at Time of Pick-up (" Hg)	Internal: Equipment Certificaton Code	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis Requested	Internal: Receipt Date	Internal: Final Pressure ("Hg)
1	SP-1		1/13/17 0700			1L	TB						Gx + BTEX		
4	SP-3		1/13/17 0710			1L	TB						Gx + BTEX		
4	SP-4		1/13/17 0720			1L	TB						Gx + BTEX		
4															
5															

Condition:

Seals Intact: Y N N/A

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	1-13-17 / 1117	x Brian Ruff	1/13/17 11:18
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT --> STD Rush (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1706075

June 14, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 5 sample(s) on 6/7/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *06/14/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1706075

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1706075-001	SP-1	06/07/2017 7:55 AM	06/07/2017 2:08 PM
1706075-002	SP-1	06/07/2017 10:51 AM	06/07/2017 2:08 PM
1706075-003	SP-1	06/07/2017 12:22 PM	06/07/2017 2:08 PM
1706075-004	SP-3	06/07/2017 12:30 PM	06/07/2017 2:08 PM
1706075-005	SP-4	06/07/2017 12:35 PM	06/07/2017 2:08 PM

Case Narrative

WO#: **1706075**

Date: **6/14/2017**

CLIENT: Environmental Partners, Inc.

Project: Island Center Texaco

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1706075**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/7/2017 7:55:00 AM
Project: Island Center Texaco
Lab ID: 1706075-001
Matrix: Air
Client Sample ID: SP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36770		Analyst: NG
Benzene	26.4	10.0	D	µg/L	100	6/9/2017 1:51:56 PM
Toluene	88.5	10.0	D	µg/L	100	6/9/2017 1:51:56 PM
Ethylbenzene	20.2	10.0	D	µg/L	100	6/9/2017 1:51:56 PM
m,p-Xylene	69.1	10.0	D	µg/L	100	6/9/2017 1:51:56 PM
o-Xylene	27.8	10.0	D	µg/L	100	6/9/2017 1:51:56 PM
Surr: Dibromofluoromethane	95.9	61.1-128	D	%Rec	100	6/9/2017 1:51:56 PM
Surr: Toluene-d8	86.1	66-138	D	%Rec	100	6/9/2017 1:51:56 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	64.7-128	D	%Rec	100	6/9/2017 1:51:56 PM
Gasoline by NWTPH-Gx				Batch ID: R36771		Analyst: NG
Gasoline	3,070	500	DQ	µg/L	100	6/9/2017 1:51:56 PM
Surr: 4-Bromofluorobenzene	103	65-135	D	%Rec	100	6/9/2017 1:51:56 PM
Surr: Toluene-d8	105	65-135	D	%Rec	100	6/9/2017 1:51:56 PM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Analytical Report

Work Order: **1706075**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/7/2017 10:51:00 AM
Project: Island Center Texaco
Lab ID: 1706075-002
Matrix: Air
Client Sample ID: SP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36770		Analyst: NG
Benzene	662	10.0	DE	µg/L	100	6/9/2017 1:23:26 PM
Toluene	1,890	10.0	DE	µg/L	100	6/9/2017 1:23:26 PM
Ethylbenzene	208	10.0	D	µg/L	100	6/9/2017 1:23:26 PM
m,p-Xylene	665	10.0	D	µg/L	100	6/9/2017 1:23:26 PM
o-Xylene	195	10.0	D	µg/L	100	6/9/2017 1:23:26 PM
Surr: Dibromofluoromethane	94.1	61.1-128	D	%Rec	100	6/9/2017 1:23:26 PM
Surr: Toluene-d8	87.5	66-138	D	%Rec	100	6/9/2017 1:23:26 PM
Surr: 1-Bromo-4-fluorobenzene	95.0	64.7-128	D	%Rec	100	6/9/2017 1:23:26 PM
Gasoline by NWTPH-Gx				Batch ID: R36771		Analyst: NG
Gasoline	52,600	500	DEQ	µg/L	100	6/9/2017 1:23:26 PM
Surr: 4-Bromofluorobenzene	102	65-135	D	%Rec	100	6/9/2017 1:23:26 PM
Surr: Toluene-d8	107	65-135	D	%Rec	100	6/9/2017 1:23:26 PM

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Analytical Report

Work Order: **1706075**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/7/2017 12:22:00 PM
Project: Island Center Texaco
Lab ID: 1706075-003
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36770		Analyst: NG
Benzene	501	10.0	D	µg/L	100	6/10/2017 7:37:51 PM
Toluene	1,650	10.0	DE	µg/L	100	6/10/2017 7:37:51 PM
Ethylbenzene	161	10.0	D	µg/L	100	6/10/2017 7:37:51 PM
m,p-Xylene	537	10.0	D	µg/L	100	6/10/2017 7:37:51 PM
o-Xylene	151	10.0	D	µg/L	100	6/10/2017 7:37:51 PM
Surr: Dibromofluoromethane	96.5	61.1-128	D	%Rec	100	6/10/2017 7:37:51 PM
Surr: Toluene-d8	77.5	66-138		%Rec	1	6/9/2017 12:54:53 PM
Surr: 1-Bromo-4-fluorobenzene	98.5	64.7-128		%Rec	1	6/9/2017 12:54:53 PM

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Gasoline by NWTPH-Gx				Batch ID: R36771		Analyst: NG
Gasoline	36,000	500	D	µg/L	100	6/10/2017 7:37:51 PM
Surr: 4-Bromofluorobenzene	102	65-135	D	%Rec	100	6/10/2017 7:37:51 PM
Surr: Toluene-d8	101	65-135	D	%Rec	100	6/10/2017 7:37:51 PM

Analytical Report

Work Order: **1706075**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/7/2017 12:30:00 PM
Project: Island Center Texaco
Lab ID: 1706075-004
Matrix: Air
Client Sample ID: **SP-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36770		Analyst: NG
Benzene	16.4	5.00	D	µg/L	50	6/10/2017 7:08:55 PM
Toluene	78.2	5.00	D	µg/L	50	6/10/2017 7:08:55 PM
Ethylbenzene	13.6	5.00	D	µg/L	50	6/10/2017 7:08:55 PM
m,p-Xylene	50.7	5.00	D	µg/L	50	6/10/2017 7:08:55 PM
o-Xylene	19.2	5.00	D	µg/L	50	6/10/2017 7:08:55 PM
Surr: Dibromofluoromethane	76.4	61.1-128		%Rec	1	6/9/2017 12:26:14 PM
Surr: Toluene-d8	94.8	66-138		%Rec	1	6/9/2017 12:26:14 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	64.7-128		%Rec	1	6/9/2017 12:26:14 PM
Gasoline by NWTPH-Gx				Batch ID: R36771		Analyst: NG
Gasoline	1,530	250	D	µg/L	50	6/10/2017 7:08:55 PM
Surr: 4-Bromofluorobenzene	108	65-135		%Rec	1	6/9/2017 12:26:14 PM
Surr: Toluene-d8	105	65-135		%Rec	1	6/9/2017 12:26:14 PM

Analytical Report

Work Order: **1706075**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/7/2017 12:35:00 PM
Project: Island Center Texaco
Lab ID: 1706075-005
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36770		Analyst: NG
Benzene	4.55	5.00	D	µg/L	50	6/10/2017 6:10:58 PM
Toluene	41.6	5.00	D	µg/L	50	6/10/2017 6:10:58 PM
Ethylbenzene	9.07	5.00	D	µg/L	50	6/10/2017 6:10:58 PM
m,p-Xylene	34.7	5.00	D	µg/L	50	6/10/2017 6:10:58 PM
o-Xylene	13.2	5.00	D	µg/L	50	6/10/2017 6:10:58 PM
Surr: Dibromofluoromethane	105	61.1-128		%Rec	1	6/9/2017 11:57:42 AM
Surr: Toluene-d8	97.2	66-138		%Rec	1	6/9/2017 11:57:42 AM
Surr: 1-Bromo-4-fluorobenzene	97.8	64.7-128		%Rec	1	6/9/2017 11:57:42 AM
Gasoline by NWTPH-Gx				Batch ID: R36771		Analyst: NG
Gasoline	493	250	D	µg/L	50	6/10/2017 6:10:58 PM
Surr: 4-Bromofluorobenzene	107	65-135		%Rec	1	6/9/2017 11:57:42 AM
Surr: Toluene-d8	99.0	65-135		%Rec	1	6/9/2017 11:57:42 AM

Work Order: 1706075
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-R36771** SampType: **MBLK** Units: **µg/L** Prep Date: **6/9/2017** RunNo: **36771**
Client ID: **MBLKW** Batch ID: **R36771** Analysis Date: **6/9/2017** SeqNo: **705742**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.35		2.500		93.9	65	135				
Surr: Toluene-d8	2.59		2.500		104	65	135				

Sample ID: **1706075-005AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36771**
Client ID: **SP-4** Batch ID: **R36771** Analysis Date: **6/10/2017** SeqNo: **705720**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	540	250						492.7	9.21	30	D
Surr: 4-Bromofluorobenzene	132		125.0		106	65	135		0		D
Surr: Toluene-d8	124		125.0		99.0	65	135		0		D

Sample ID: **LCS-R36771** SampType: **LCS** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36771**
Client ID: **LCSW** Batch ID: **R36771** Analysis Date: **6/10/2017** SeqNo: **705723**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	44.1	5.00	50.00	0	88.2	65	135				
Surr: 4-Bromofluorobenzene	2.57		2.500		103	65	135				
Surr: Toluene-d8	2.48		2.500		99.2	65	135				

Work Order: 1706075
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID: **MB-R36770** SampType: **MBLK** Units: **µg/L** Prep Date: **6/9/2017** RunNo: **36770**
Client ID: **MBLKW** Batch ID: **R36770** Analysis Date: **6/9/2017** SeqNo: **705734**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.00									
Toluene	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Surr: Dibromofluoromethane	2.65		2.500		106	61.1	128				
Surr: Toluene-d8	2.23		2.500		89.2	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.20		2.500		88.1	64.7	128				

Sample ID: **LCS-R36770** SampType: **LCS** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36770**
Client ID: **LCSW** Batch ID: **R36770** Analysis Date: **6/10/2017** SeqNo: **705714**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.97	0.100	2.000	0	98.4	67.1	132				
Toluene	1.85	0.100	2.000	0	92.4	73.6	127				
Ethylbenzene	1.95	0.100	2.000	0	97.5	78	127				
m,p-Xylene	3.95	0.100	4.000	0	98.9	77.5	130				
o-Xylene	2.00	0.100	2.000	0	100	77.6	126				
Surr: Dibromofluoromethane	2.59		2.500		104	61.1	128				
Surr: Toluene-d8	2.51		2.500		100	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.60		2.500		104	64.7	128				

Sample ID: **1706075-005AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36770**
Client ID: **SP-4** Batch ID: **R36770** Analysis Date: **6/10/2017** SeqNo: **705711**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	3.79	5.00						0		30	D
Toluene	36.2	5.00						41.56	13.7	30	D
Ethylbenzene	9.61	5.00						9.067	5.78	30	D
m,p-Xylene	36.1	5.00						34.66	4.14	30	D

Work Order: 1706075
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID: **1706075-005AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36770**
Client ID: **SP-4** Batch ID: **R36770** Analysis Date: **6/10/2017** SeqNo: **705711**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	14.4	5.00						13.23	8.47	30	D
Surr: Dibromofluoromethane	121		125.0		96.9	61.1	128		0		D
Surr: Toluene-d8	117		125.0		93.8	68.2	129		0		D
Surr: 1-Bromo-4-fluorobenzene-BFB	128		125.0		103	64.7	128		0		D

NOTES:
Diluted due to matrix.

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1706075**
Logged by:	**Clare Griggs**	Date Received:	**6/7/2017 2:08:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Client			

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐	
		Air Samples			
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑	
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑	
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☐	NA ☑	
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (Internal): 1706075

Special Remarks:

Date: 6/7/17 Page: 1 of: 1

Project Name: Island Center Texaco

Project No: 43701

Location: 8800 Fletcher Bay Rd.

Collected by: J. Shemet

Reports to (PM): Josh Bernthal

Email (PM): joshb@epi-wa.com

Client: EPI

Address: 1180 NW Maple St.

City, State, Zip: Issaquah, WA 98027

Telephone: 425-395-0016

Fax:

Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Sample Type (Matrix) *	Container Type **	Sample Volume	Fill Time	Flow Rate	Internal: Initial Evacuation Pressure (mtorr)	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis Requested	Internal: Receipt Date	Internal: Final Pressure ("Hg)
1 SP-1	Canister / Flow Reg	6/7/17 Date / 0755 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX		
2 SP-1	Canister / Flow Reg	6/7/17 Date / 1051 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX		
3 SP-1	Canister / Flow Reg	6/7/17 Date / 1222 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX		
4 SP-3	Canister / Flow Reg	6/7/17 Date / 1230 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX		
5 SP-4	Canister / Flow Reg	6/7/17 Date / 1235 Time	S	TB	1L	.5		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX		

* Matrix Codes: AA = Ambient Air IA = Indoor Air L = Landfill S = Subslab / Soil Gas

** Container Codes: BV = 1 Liter Bottle Vac CAN = Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	6/7/17 / 1408	x	6/7/17 1408
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-Around Time:

- [x] Standard
- [ ] 3 Day
- [ ] 2 Day
- [ ] Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1706113

June 14, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 6/9/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *06/14/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1706113

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1706113-001	SP-1	06/09/2017 10:30 AM	06/09/2017 12:30 PM
1706113-002	SP-3	06/09/2017 10:35 AM	06/09/2017 12:30 PM
1706113-003	SP-4	06/09/2017 10:40 AM	06/09/2017 12:30 PM

Case Narrative

WO#: **1706113**
Date: **6/14/2017**

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

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Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

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* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1706113**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/9/2017 10:30:00 AM
Project: Island Center Texaco
Lab ID: 1706113-001
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36769		Analyst: NG
Benzene	6.36	0.200	D	µg/L	2	6/10/2017 5:42:03 PM
Toluene	24.2	10.0	D	µg/L	100	6/10/2017 4:44:09 PM
Ethylbenzene	3.90	0.200	D	µg/L	2	6/10/2017 5:42:03 PM
m,p-Xylene	14.8	0.200	D	µg/L	2	6/10/2017 5:42:03 PM
o-Xylene	4.25	0.200	D	µg/L	2	6/10/2017 5:42:03 PM
Surr: Dibromofluoromethane	101	61.1-128	D	%Rec	100	6/10/2017 4:44:09 PM
Surr: Toluene-d8	114	66-138	D	%Rec	2	6/10/2017 5:42:03 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	64.7-128	D	%Rec	2	6/10/2017 5:42:03 PM
Gasoline by NWTPH-Gx				Batch ID: R36768		Analyst: NG
Gasoline	2,850	500	D	µg/L	100	6/10/2017 4:44:09 PM
Surr: 4-Bromofluorobenzene	101	65-135	D	%Rec	2	6/10/2017 5:42:03 PM
Surr: Toluene-d8	106	65-135	D	%Rec	2	6/10/2017 5:42:03 PM

Analytical Report

Work Order: **1706113**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/9/2017 10:35:00 AM
Project: Island Center Texaco
Lab ID: 1706113-002
Matrix: Air
Client Sample ID: **SP-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36769		Analyst: NG
Benzene	0.665	0.100		µg/L	1	6/10/2017 5:13:06 PM
Toluene	7.85	5.00	D	µg/L	50	6/10/2017 4:15:20 PM
Ethylbenzene	1.95	0.100		µg/L	1	6/10/2017 5:13:06 PM
m,p-Xylene	5.67	5.00	D	µg/L	50	6/10/2017 4:15:20 PM
o-Xylene	2.80	0.100		µg/L	1	6/10/2017 5:13:06 PM
Surr: Dibromofluoromethane	97.1	61.1-128		%Rec	1	6/10/2017 5:13:06 PM
Surr: Toluene-d8	120	66-138		%Rec	1	6/10/2017 5:13:06 PM
Surr: 1-Bromo-4-fluorobenzene	102	64.7-128		%Rec	1	6/10/2017 5:13:06 PM
Gasoline by NWTPH-Gx				Batch ID: R36768		Analyst: NG
Gasoline	207	5.00		µg/L	1	6/10/2017 5:13:06 PM
Surr: 4-Bromofluorobenzene	107	65-135		%Rec	1	6/10/2017 5:13:06 PM
Surr: Toluene-d8	99.5	65-135		%Rec	1	6/10/2017 5:13:06 PM

Analytical Report

Work Order: **1706113**
Date Reported: **6/14/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/9/2017 10:40:00 AM
Project: Island Center Texaco
Lab ID: 1706113-003
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36769		Analyst: NG
Benzene	ND	0.100		µg/L	1	6/10/2017 3:17:47 PM
Toluene	0.181	0.100		µg/L	1	6/10/2017 3:17:47 PM
Ethylbenzene	ND	0.100		µg/L	1	6/10/2017 3:17:47 PM
m,p-Xylene	0.240	0.100		µg/L	1	6/10/2017 3:17:47 PM
o-Xylene	ND	0.100		µg/L	1	6/10/2017 3:17:47 PM
Surr: Dibromofluoromethane	100	61.1-128		%Rec	1	6/10/2017 3:17:47 PM
Surr: Toluene-d8	100	66-138		%Rec	1	6/10/2017 3:17:47 PM
Surr: 1-Bromo-4-fluorobenzene	95.7	64.7-128		%Rec	1	6/10/2017 3:17:47 PM
Gasoline by NWTPH-Gx				Batch ID: R36768		Analyst: NG
Gasoline	ND	5.00		µg/L	1	6/10/2017 3:17:47 PM
Surr: 4-Bromofluorobenzene	99.0	65-135		%Rec	1	6/10/2017 3:17:47 PM
Surr: Toluene-d8	99.8	65-135		%Rec	1	6/10/2017 3:17:47 PM

Work Order: 1706113
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-R36768**	SampType: **LCS**	Units: **µg/L**	Prep Date: **6/10/2017**	RunNo: **36768**
Client ID: **LCSW**	Batch ID: **R36768**		Analysis Date: **6/10/2017**	SeqNo: **706160**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	52.4	5.00	50.00	0	105	65	135				
Surr: 4-Bromofluorobenzene	2.50		2.500		99.9	65	135				
Surr: Toluene-d8	2.49		2.500		99.8	65	135				

Sample ID: **MB-R36768**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **6/10/2017**	RunNo: **36768**
Client ID: **MBLKW**	Batch ID: **R36768**		Analysis Date: **6/10/2017**	SeqNo: **706161**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.40		2.500		95.9	65	135				
Surr: Toluene-d8	2.53		2.500		101	65	135				

Sample ID: **1706113-003AREP**	SampType: **REP**	Units: **µg/L**	Prep Date: **6/10/2017**	RunNo: **36768**
Client ID: **SP-4**	Batch ID: **R36768**		Analysis Date: **6/10/2017**	SeqNo: **705686**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00						0		30	
Surr: 4-Bromofluorobenzene	2.52		2.500		101	65	135		0		
Surr: Toluene-d8	2.52		2.500		101	65	135		0		

Work Order: 1706113
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID: **LCS-R36769** SampType: **LCS** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36769**
Client ID: **LCSW** Batch ID: **R36769** Analysis Date: **6/10/2017** SeqNo: **705701**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.97	0.100	2.000	0	98.4	67.1	132				
Toluene	1.85	0.100	2.000	0	92.4	73.6	127				
Ethylbenzene	1.95	0.100	2.000	0	97.5	78	127				
m,p-Xylene	3.95	0.100	4.000	0	98.9	77.5	130				
o-Xylene	2.00	0.100	2.000	0	100	77.6	126				
Surr: Dibromofluoromethane	2.59		2.500		104	61.1	128				
Surr: Toluene-d8	2.51		2.500		100	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.60		2.500		104	64.7	128				

Sample ID: **MB-R36769** SampType: **MBLK** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36769**
Client ID: **MBLKW** Batch ID: **R36769** Analysis Date: **6/10/2017** SeqNo: **705702**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.47		2.500		98.9	61.1	128				
Surr: Toluene-d8	2.40		2.500		96.0	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.32		2.500		92.7	64.7	128				

Sample ID: **1706113-003AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36769**
Client ID: **SP-4** Batch ID: **R36769** Analysis Date: **6/10/2017** SeqNo: **705698**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100						0		30	
Toluene	0.190	0.100						0	200	30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	0.261	0.100						0	200	30	

Work Order: 1706113
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID: **1706113-003AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/10/2017** RunNo: **36769**
Client ID: **SP-4** Batch ID: **R36769** Analysis Date: **6/10/2017** SeqNo: **705698**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	2.56		2.500		102	61.1	128		0		
Surr: Toluene-d8	2.47		2.500		99.0	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.44		2.500		97.5	64.7	128		0		

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1706113**
Logged by:	**Erica Silva**	Date Received:	**6/9/2017 12:30:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 6/9/17 Page: 1 of: 1

Laboratory Project No (Internal): 1706113

Special Remarks:

Project Name: Island Center Texaco

Project No: 43701

Client: EPI

Address: 1180 NW Maple St.

City, State, Zip: Issaquah, WA 98027

Location: 9800 Fletcher Bay RD

Collected by: J. Sherrod

Telephone: 425-395-0010

Reports to (PM): Josh Bernthal

Fax:

Email (PM): joshb@epi-wa.com

Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Sample Type (Matrix) *	Container Type **	Sample Volume	Fill Time	Flow Rate	Internal: Initial Evacuation Pressure (mtorr)	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis Requested	Internal: Receipt Date	Internal: Final Pressure ("Hg)
1 SP-1	Canister / Flow Reg	6/9/17 Date / 1030 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	GX + BTEX by 8260		
2 SP-3	Canister / Flow Reg	6/9/17 Date / 1035 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	GX + BTEX by 8260		
3 SP-4	Canister / Flow Reg	6/9/17 Date / 1040 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	GX + BTEX by 8260		
4	Canister / Flow Reg	Date / Time						Pressure / Date	Pressure / Time	Pressure / Time			
5	Canister / Flow Reg	Date / Time						Pressure / Date	Pressure / Time	Pressure / Time			

* Matrix Codes: AA = Ambient Air IA = Indoor Air L = Landfill S = Subslab / Soil Gas

** Container Codes: BV = 1 Liter Bottle Vac CAN = Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	6/9/17 1230	x	6/9/17 1230
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-Around Time:

- [x] Standard
- [ ] 3 Day
- [ ] 2 Day
- [ ] Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1706172

June 21, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 6/15/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *06/21/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1706172

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1706172-001	SP-1	06/15/2017 9:34 AM	06/15/2017 2:00 PM
1706172-002	SP-3	06/15/2017 9:37 AM	06/15/2017 2:00 PM
1706172-003	SP-4	06/15/2017 9:44 AM	06/15/2017 2:00 PM

Case Narrative

WO#: **1706172**
Date: **6/21/2017**

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1706172**
Date Reported: **6/21/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/15/2017 9:34:00 AM
Project: Island Center Texaco
Lab ID: 1706172-001
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36914		Analyst: NG
Benzene	ND	0.100		µg/L	1	6/16/2017 3:38:41 PM
Toluene	0.233	0.100		µg/L	1	6/16/2017 3:38:41 PM
Ethylbenzene	ND	0.100		µg/L	1	6/16/2017 3:38:41 PM
m,p-Xylene	0.125	0.100		µg/L	1	6/16/2017 3:38:41 PM
o-Xylene	ND	0.100		µg/L	1	6/16/2017 3:38:41 PM
Surr: Dibromofluoromethane	101	61.1-128		%Rec	1	6/16/2017 3:38:41 PM
Surr: Toluene-d8	99.1	66-138		%Rec	1	6/16/2017 3:38:41 PM
Surr: 1-Bromo-4-fluorobenzene	103	64.7-128		%Rec	1	6/16/2017 3:38:41 PM
Gasoline by NWTPH-Gx				Batch ID: R36915		Analyst: NG
Gasoline	7.44	5.00		µg/L	1	6/16/2017 3:38:41 PM
Surr: 4-Bromofluorobenzene	105	65-135		%Rec	1	6/16/2017 3:38:41 PM
Surr: Toluene-d8	99.3	65-135		%Rec	1	6/16/2017 3:38:41 PM

Analytical Report

Work Order: **1706172**
Date Reported: **6/21/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/15/2017 9:37:00 AM
Project: Island Center Texaco
Lab ID: 1706172-002
Matrix: Air
Client Sample ID: **SP-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36914		Analyst: NG
Benzene	3.46	0.100		µg/L	1	6/16/2017 3:09:55 PM
Toluene	11.5	1.00	D	µg/L	10	6/16/2017 2:12:27 PM
Ethylbenzene	1.56	0.100		µg/L	1	6/16/2017 3:09:55 PM
m,p-Xylene	5.27	1.00	D	µg/L	10	6/16/2017 2:12:27 PM
o-Xylene	2.02	0.100		µg/L	1	6/16/2017 3:09:55 PM
Surr: Dibromofluoromethane	99.6	61.1-128		%Rec	1	6/16/2017 3:09:55 PM
Surr: Toluene-d8	107	66-138		%Rec	1	6/16/2017 3:09:55 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	64.7-128		%Rec	1	6/16/2017 3:09:55 PM
Gasoline by NWTPH-Gx				Batch ID: R36915		Analyst: NG
Gasoline	524	50.0	D	µg/L	10	6/16/2017 2:12:27 PM
Surr: 4-Bromofluorobenzene	103	65-135		%Rec	1	6/16/2017 3:09:55 PM
Surr: Toluene-d8	101	65-135		%Rec	1	6/16/2017 3:09:55 PM

Analytical Report

Work Order: **1706172**
Date Reported: **6/21/2017**

Client: Environmental Partners, Inc.
Collection Date: 6/15/2017 9:44:00 AM
Project: Island Center Texaco
Lab ID: 1706172-003
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: R36914		Analyst: NG
Benzene	ND	0.100		µg/L	1	6/16/2017 11:20:31 AM
Toluene	0.348	0.100		µg/L	1	6/16/2017 11:20:31 AM
Ethylbenzene	0.118	0.100		µg/L	1	6/16/2017 11:20:31 AM
m,p-Xylene	0.595	0.100		µg/L	1	6/16/2017 11:20:31 AM
o-Xylene	0.251	0.100		µg/L	1	6/16/2017 11:20:31 AM
Surr: Dibromofluoromethane	103	61.1-128		%Rec	1	6/16/2017 11:20:31 AM
Surr: Toluene-d8	106	66-138		%Rec	1	6/16/2017 11:20:31 AM
Surr: 1-Bromo-4-fluorobenzene	98.0	64.7-128		%Rec	1	6/16/2017 11:20:31 AM
Gasoline by NWTPH-Gx				Batch ID: R36915		Analyst: NG
Gasoline	9.50	5.00		µg/L	1	6/16/2017 11:20:31 AM
Surr: 4-Bromofluorobenzene	101	65-135		%Rec	1	6/16/2017 11:20:31 AM
Surr: Toluene-d8	98.9	65-135		%Rec	1	6/16/2017 11:20:31 AM

Work Order: 1706172
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **1706173-002AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36915**
Client ID: **BATCH** Batch ID: **R36915** Analysis Date: **6/16/2017** SeqNo: **709008**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00						0		30	
Surr: 4-Bromofluorobenzene	2.42		2.500		96.8	65	135		0		
Surr: Toluene-d8	2.48		2.500		99.1	65	135		0		

Sample ID **MB-R36915** SampType: **MBLK** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36915**
Client ID: **MBLKW** Batch ID: **R36915** Analysis Date: **6/16/2017** SeqNo: **709012**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.60		2.500		104	65	135				
Surr: Toluene-d8	2.50		2.500		99.9	65	135				

Sample ID **LCS-R36915** SampType: **LCS** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36915**
Client ID: **LCSW** Batch ID: **R36915** Analysis Date: **6/16/2017** SeqNo: **709011**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	41.6	5.00	50.00	0	83.1	65	135				
Surr: 4-Bromofluorobenzene	2.58		2.500		103	65	135				
Surr: Toluene-d8	2.54		2.500		101	65	135				

Work Order: 1706172
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1706173-002AREP** SampType: **REP** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36914**
Client ID: **BATCH** Batch ID: **R36914** Analysis Date: **6/16/2017** SeqNo: **708990**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.100						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	2.60		2.500		104	61.1	128		0		
Surr: Toluene-d8	2.62		2.500		105	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.36		2.500		94.5	64.7	128		0		

Sample ID **MB-R36914** SampType: **MBLK** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36914**
Client ID: **MBLKW** Batch ID: **R36914** Analysis Date: **6/16/2017** SeqNo: **708999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.59		2.500		103	61.1	128				
Surr: Toluene-d8	2.56		2.500		102	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.53		2.500		101	64.7	128				

Sample ID **LCS-R36914** SampType: **LCS** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36914**
Client ID: **LCSW** Batch ID: **R36914** Analysis Date: **6/16/2017** SeqNo: **708998**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.00	0.100	2.000	0	100	67.1	132				
Toluene	2.01	0.100	2.000	0	100	73.6	127				
Ethylbenzene	1.95	0.100	2.000	0	97.6	78	127				
m,p-Xylene	3.92	0.100	4.000	0	98.1	77.5	130				

Work Order: 1706172
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-R36914** SampType: **LCS** Units: **µg/L** Prep Date: **6/16/2017** RunNo: **36914**
Client ID: **LCSW** Batch ID: **R36914** Analysis Date: **6/16/2017** SeqNo: **708998**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	1.96	0.100	2.000	0	98.1	77.6	126				
Surr: Dibromofluoromethane	2.62		2.500		105	61.1	128				
Surr: Toluene-d8	2.74		2.500		109	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.66		2.500		107	64.7	128				

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1706172**
Logged by:	**Clare Griggs**	Date Received:	**6/15/2017 2:00:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present ☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☐	No	☑	NA ☐
		Air Samples				
4.	Shipping container/cooler in good condition?	Yes	☑	No	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No	☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes	☐	No	☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes	☐	No	☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes	☑	No	☐	
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐	
10.	Are samples properly preserved?	Yes	☑	No	☐	
11.	Was preservative added to bottles?	Yes	☐	No	☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes	☐	No	☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No	☐	
14.	Does paperwork match bottle labels?	Yes	☑	No	☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐	
16.	Is it clear what analyses were requested?	Yes	☑	No	☐	
17.	Were all holding times able to be met?	Yes	☑	No	☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 6/15/17 Page: 1 of: 1

Laboratory Project No (Internal): 1706N72

Special Remarks:

Client: EPI

Address: 1180 NW Maple St

City, State, Zip: Issaquah, WA 98027

Telephone: 425-395-0010

Fax:

Project Name: Island Center Texaco

Project No: 43701

Location: Bainbridge Island, WA

Collected by: J. Sherrod

Reports to (PM): Josh Bernthal

Email (PM): josh@a ep.-wa.com

	Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Sample Type (Matrix) *	Container Type **	Sample Volume	Fill Time	Flow Rate	Internal: Initial Evacuation Pressure (mtorr)	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis Requested	Internal: Receipt Date	Internal: Final Pressure ("Hg)
1	SP-1	Canister / Flow Reg	Date 6/15/17 Time 0934	S	TB	1L	.5 min		Pressure / Date / Time	Pressure / Time	Pressure / Time	GX + BTEX by 8260		
2	SP-3	Canister / Flow Reg	Date 6/15/17 Time 0937	S	TB	1L	.5 min		Pressure / Date / Time	Pressure / Time	Pressure / Time	GX + BTEX by 8260		
3	SP-4	Canister / Flow Reg	Date 6/15/17 Time 0944	S	TB	1L	.5 min		Pressure / Date / Time	Pressure / Time	Pressure / Time	GX + BTEX by 8260		
4		Canister / Flow Reg	Date / Time						Pressure / Date / Time	Pressure / Time	Pressure / Time			
5		Canister / Flow Reg	Date / Time						Pressure / Date / Time	Pressure / Time	Pressure / Time			

* Matrix Codes: AA = Ambient Air IA = Indoor Air L = Landfill S = Subslab / Soil Gas

** Container Codes: BV = 1 Liter Bottle Vac CAN = Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	6/15/17 1400	x [signature]	6/15/17 1400
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-Around Time:

- [x] Standard
- [ ] 3 Day
- [ ] 2 Day
- [ ] Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1709319

October 03, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 9/26/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *10/03/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1709319

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1709319-001	SP-1	09/26/2017 6:20 AM	09/26/2017 11:27 AM
1709319-002	SP-3	09/26/2017 6:30 AM	09/26/2017 11:27 AM
1709319-003	SP-4	09/26/2017 6:40 AM	09/26/2017 11:27 AM

Case Narrative

WO#: **1709319**
Date: **10/3/2017**

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1709319**
Date Reported: **10/3/2017**

Client: Environmental Partners, Inc.
Collection Date: 9/26/2017 6:20:00 AM
Project: Island Center Texaco
Lab ID: 1709319-001
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 18326		Analyst: NG
Benzene	9.65	10.0	JD	µg/L	100	9/28/2017 1:11:52 PM
Toluene	6.46	10.0	JD	µg/L	100	9/28/2017 1:11:52 PM
Ethylbenzene	0.262	0.100		µg/L	1	9/28/2017 3:07:47 PM
m,p-Xylene	0.709	0.100		µg/L	1	9/28/2017 3:07:47 PM
o-Xylene	0.189	0.100		µg/L	1	9/28/2017 3:07:47 PM
Surr: Dibromofluoromethane	76.7	56.4 - 141		%Rec	1	9/28/2017 3:07:47 PM
Surr: Toluene-d8	89.4	66 - 138		%Rec	1	9/28/2017 3:07:47 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	98.5	64.7 - 128		%Rec	1	9/28/2017 3:07:47 PM
Gasoline by NWTPH-Gx				Batch ID: 18326		Analyst: NG
Gasoline	604	500	D	µg/L	100	9/28/2017 1:11:52 PM
Surr: 4-Bromofluorobenzene	98.3	65 - 135		%Rec	1	9/28/2017 3:07:47 PM
Surr: Toluene-d8	105	65 - 135		%Rec	1	9/28/2017 3:07:47 PM

Analytical Report

Work Order: **1709319**
Date Reported: **10/3/2017**

Client: Environmental Partners, Inc.
Collection Date: 9/26/2017 6:30:00 AM
Project: Island Center Texaco
Lab ID: 1709319-002
Matrix: Air
Client Sample ID: **SP-3**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 18326		Analyst: NG
Benzene	34.5	1.00	D	µg/L	10	9/28/2017 12:43:11 PM
Toluene	52.8	10.0	D	µg/L	100	9/29/2017 2:33:17 PM
Ethylbenzene	4.95	1.00	D	µg/L	10	9/28/2017 12:43:11 PM
m,p-Xylene	18.2	1.00	D	µg/L	10	9/28/2017 12:43:11 PM
o-Xylene	4.92	1.00	D	µg/L	10	9/28/2017 12:43:11 PM
Surr: Dibromofluoromethane	63.5	56.4 - 141		%Rec	1	9/28/2017 2:37:56 PM
Surr: Toluene-d8	102	66 - 138		%Rec	1	9/28/2017 2:37:56 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	97.9	64.7 - 128		%Rec	1	9/28/2017 2:37:56 PM
Gasoline by NWTPH-Gx				Batch ID: 18326		Analyst: NG
Gasoline	2,120	50.0	D	µg/L	10	9/28/2017 12:43:11 PM
Surr: 4-Bromofluorobenzene	99.1	65 - 135		%Rec	1	9/28/2017 2:37:56 PM
Surr: Toluene-d8	113	65 - 135		%Rec	1	9/28/2017 2:37:56 PM

Analytical Report

Work Order: **1709319**
Date Reported: **10/3/2017**

Client: Environmental Partners, Inc.
Collection Date: 9/26/2017 6:40:00 AM
Project: Island Center Texaco
Lab ID: 1709319-003
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 18326		Analyst: NG
Benzene	0.162	0.100		µg/L	1	9/28/2017 11:45:58 AM
Toluene	0.525	0.100		µg/L	1	9/28/2017 11:45:58 AM
Ethylbenzene	ND	0.100		µg/L	1	9/28/2017 11:45:58 AM
m,p-Xylene	0.465	0.100		µg/L	1	9/28/2017 11:45:58 AM
o-Xylene	0.162	0.100		µg/L	1	9/28/2017 11:45:58 AM
Surr: Dibromofluoromethane	88.9	56.4 - 141		%Rec	1	9/28/2017 11:45:58 AM
Surr: Toluene-d8	88.8	66 - 138		%Rec	1	9/28/2017 11:45:58 AM
Surr: 1-Bromo-4-fluorobenzene-BFB	98.3	64.7 - 128		%Rec	1	9/28/2017 11:45:58 AM
Gasoline by NWTPH-Gx				Batch ID: 18326		Analyst: NG
Gasoline	15.4	5.00		µg/L	1	9/28/2017 11:45:58 AM
Surr: 4-Bromofluorobenzene	97.2	65 - 135		%Rec	1	9/28/2017 11:45:58 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	9/28/2017 11:45:58 AM

Work Order: 1709319
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **LCS-18326**	SampType: **LCS**	Units: **µg/L**	Prep Date: **9/27/2017**	RunNo: **38925**
Client ID: **LCSW**	Batch ID: **18326**		Analysis Date: **9/28/2017**	SeqNo: **748352**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	45.6	5.00	50.00	0	91.2	65	135				
Surr: 4-Bromofluorobenzene	2.43		2.500		97.3	65	135				
Surr: Toluene-d8	2.56		2.500		102	65	135				

Sample ID **MB-18326**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **9/27/2017**	RunNo: **38925**
Client ID: **MBLKW**	Batch ID: **18326**		Analysis Date: **9/28/2017**	SeqNo: **748353**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.40		2.500		96.1	65	135				
Surr: Toluene-d8	2.55		2.500		102	65	135				

Sample ID **1709319-003AREP**	SampType: **REP**	Units: **µg/L**	Prep Date: **9/27/2017**	RunNo: **38925**
Client ID: **SP-4**	Batch ID: **18326**		Analysis Date: **9/28/2017**	SeqNo: **748347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	15.8	5.00						15.42	2.63	30	
Surr: 4-Bromofluorobenzene	2.42		2.500		96.7	65	135		0		
Surr: Toluene-d8	2.54		2.500		102	65	135		0		

Work Order: 1709319
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-18326** SampType: **LCS** Units: **µg/L** Prep Date: **9/27/2017** RunNo: **38924**
Client ID: **LCSW** Batch ID: **18326** Analysis Date: **9/28/2017** SeqNo: **748308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.87	0.100	2.000	0	93.5	67.1	132				
Toluene	1.88	0.100	2.000	0	93.9	73.6	127				
Ethylbenzene	2.04	0.100	2.000	0	102	78	127				
m,p-Xylene	4.12	0.100	4.000	0	103	77.5	130				
o-Xylene	2.06	0.100	2.000	0	103	77.6	126				
Surr: Dibromofluoromethane	2.26		2.500		90.4	56.4	141				
Surr: Toluene-d8	2.26		2.500		90.5	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.48		2.500		99.0	64.7	128				

Sample ID **MB-18326** SampType: **MBLK** Units: **µg/L** Prep Date: **9/27/2017** RunNo: **38924**
Client ID: **MBLKW** Batch ID: **18326** Analysis Date: **9/28/2017** SeqNo: **748309**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.17		2.500		86.8	56.4	141				
Surr: Toluene-d8	2.26		2.500		90.2	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.42		2.500		96.9	64.7	128				

Sample ID **1709319-003AREP** SampType: **REP** Units: **µg/L** Prep Date: **9/27/2017** RunNo: **38924**
Client ID: **SP-4** Batch ID: **18326** Analysis Date: **9/28/2017** SeqNo: **748303**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.166	0.100						0.1624	2.18	30	
Toluene	0.547	0.100						0.5246	4.10	30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	0.472	0.100						0.4648	1.51	30	

Work Order: 1709319
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1709319-003AREP** SampType: **REP** Units: **µg/L** Prep Date: **9/27/2017** RunNo: **38924**
Client ID: **SP-4** Batch ID: **18326** Analysis Date: **9/28/2017** SeqNo: **748303**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	0.167	0.100						0.1622	2.66	30	
Surr: Dibromofluoromethane	2.22		2.500		88.8	61.1	128		0		
Surr: Toluene-d8	2.24		2.500		89.5	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.44		2.500		97.4	64.7	128		0		

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1709319**
Logged by:	**Brianna Barnes**	Date Received:	**9/26/2017 11:27:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air Samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/26/17 Page: 1 of: 1

Project Name: Island Center Texaco

Project No: 43701

Location: Bainbridge Island

Collected by: J. Sherrod

Reports to (PM): J. Bernthal

Email (PM): joshb@epi-wa.com

Laboratory Project No (Internal): 1709319

Special Remarks:

Client: EPI

Address: 1180 NW Maple St

City, State, Zip: Issaquah, WA 98027

Telephone: 425-395-0010

Fax:

	Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Sample Type (Matrix) *	Container Type **	Sample Volume	Fill Time	Flow Rate	Internal: Initial Evacuation Pressure (mtorr)	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis Requested	Internal: Receipt Date	Internal: Final Pressure ("Hg)
1	SP-1	Canister / Flow Reg	9/26/17 Date / 0620 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX by 8260		
2	SP-3	Canister / Flow Reg	9/26/17 Date / 0630 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX by 8260		
3	SP-4	Canister / Flow Reg	9/26/17 Date / 0640 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx + BTEX by 8260		
4		Canister / Flow Reg	Date / Time						Pressure / Date	Pressure / Time	Pressure / Time			
5		Canister / Flow Reg	Date / Time						Pressure / Date	Pressure / Time	Pressure / Time			

* Matrix Codes: AA = Ambient Air IA = Indoor Air L = Landfill S = Subslab / Soil Gas

** Container Codes: BV = 1 Liter Bottle Vac CAN = Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	9/26/17 / 1127	x	9/26/17 1127
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-Around Time:

- [x] Standard
- [ ] 3 Day
- [ ] 2 Day
- [ ] Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: 43701 (Island Center Texaco)
Work Order Number: 1710472

October 31, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 10/27/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *10/31/2017*

CLIENT: Environmental Partners, Inc.
Project: 43701 (Island Center Texaco)
Work Order: 1710472

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1710472-001	SP-4	10/27/2017 7:10 AM	10/27/2017 11:40 AM
1710472-002	SP-3	10/27/2017 7:20 AM	10/27/2017 11:40 AM
1710472-003	SP-1	10/27/2017 7:30 AM	10/27/2017 11:40 AM

Case Narrative

WO#: **1710472**
Date: **10/31/2017**

CLIENT: Environmental Partners, Inc.
Project: 43701 (Island Center Texaco)

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1710472**
Date Reported: **10/31/2017**

Client: Environmental Partners, Inc.
Collection Date: 10/27/2017 7:10:00 AM
Project: 43701 (Island Center Texaco)
Lab ID: 1710472-001
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 18701		Analyst: MW
Benzene	ND	0.100		µg/L	1	10/30/2017 1:16:04 PM
Toluene	ND	0.100		µg/L	1	10/30/2017 1:16:04 PM
Ethylbenzene	ND	0.100		µg/L	1	10/30/2017 1:16:04 PM
m,p-Xylene	0.198	0.100		µg/L	1	10/30/2017 1:16:04 PM
o-Xylene	ND	0.100		µg/L	1	10/30/2017 1:16:04 PM
Surr: Dibromofluoromethane	103	56.4 - 141		%Rec	1	10/30/2017 1:16:04 PM
Surr: Toluene-d8	106	66 - 138		%Rec	1	10/30/2017 1:16:04 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	97.3	64.7 - 128		%Rec	1	10/30/2017 1:16:04 PM
Gasoline by NWTPH-Gx				Batch ID: 18701		Analyst: MW
Gasoline	11.5	5.00		µg/L	1	10/30/2017 1:16:04 PM
Surr: 4-Bromofluorobenzene	98.5	65 - 135		%Rec	1	10/30/2017 1:16:04 PM
Surr: Toluene-d8	99.8	65 - 135		%Rec	1	10/30/2017 1:16:04 PM

Analytical Report

Work Order: **1710472**
Date Reported: **10/31/2017**

Client: Environmental Partners, Inc.
Collection Date: 10/27/2017 7:20:00 AM
Project: 43701 (Island Center Texaco)
Lab ID: 1710472-002
Matrix: Air
Client Sample ID: **SP-3**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 18701		Analyst: MW
Benzene	35.1	2.00	D	µg/L	20	10/30/2017 3:10:37 PM
Toluene	73.7	2.00	D	µg/L	20	10/30/2017 3:10:37 PM
Ethylbenzene	7.75	2.00	D	µg/L	20	10/30/2017 3:10:37 PM
m,p-Xylene	26.1	2.00	D	µg/L	20	10/30/2017 3:10:37 PM
o-Xylene	8.77	2.00	D	µg/L	20	10/30/2017 3:10:37 PM
Surr: Dibromofluoromethane	73.3	56.4 - 141		%Rec	1	10/30/2017 3:39:18 PM
Surr: Toluene-d8	99.4	66 - 138		%Rec	1	10/30/2017 3:39:18 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	104	64.7 - 128		%Rec	1	10/30/2017 3:39:18 PM
Gasoline by NWTPH-Gx				Batch ID: 18701		Analyst: MW
Gasoline	2,480	100	D	µg/L	20	10/30/2017 3:10:37 PM
Surr: 4-Bromofluorobenzene	97.3	65 - 135	D	%Rec	20	10/30/2017 3:10:37 PM
Surr: Toluene-d8	99.0	65 - 135	D	%Rec	20	10/30/2017 3:10:37 PM

Analytical Report

Work Order: **1710472**
Date Reported: **10/31/2017**

Client: Environmental Partners, Inc.
Collection Date: 10/27/2017 7:30:00 AM
Project: 43701 (Island Center Texaco)
Lab ID: 1710472-003
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 18701		Analyst: MW
Benzene	144	10.0	D	µg/L	100	10/30/2017 2:41:55 PM
Toluene	235	10.0	D	µg/L	100	10/30/2017 2:41:55 PM
Ethylbenzene	17.3	10.0	D	µg/L	100	10/30/2017 2:41:55 PM
m,p-Xylene	49.7	10.0	D	µg/L	100	10/30/2017 2:41:55 PM
o-Xylene	20.2	10.0	D	µg/L	100	10/30/2017 2:41:55 PM
Surr: Dibromofluoromethane	78.2	56.4 - 141		%Rec	1	10/30/2017 4:07:55 PM
Surr: Toluene-d8	124	66 - 138		%Rec	1	10/30/2017 4:07:55 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	104	64.7 - 128		%Rec	1	10/30/2017 4:07:55 PM
Gasoline by NWTPH-Gx				Batch ID: 18701		Analyst: MW
Gasoline	9,320	500	D	µg/L	100	10/30/2017 2:41:55 PM
Surr: 4-Bromofluorobenzene	98.0	65 - 135	D	%Rec	100	10/30/2017 2:41:55 PM
Surr: Toluene-d8	99.5	65 - 135	D	%Rec	100	10/30/2017 2:41:55 PM

Work Order: 1710472
CLIENT: Environmental Partners, Inc.
Project: 43701 (Island Center Texaco)

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **LCS-18701**	SampType: **LCS**	Units: **µg/L**	Prep Date: **10/30/2017**	RunNo: **39594**
Client ID: **LCSW**	Batch ID: **18701**		Analysis Date: **10/30/2017**	SeqNo: **762094**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	49.4	5.00	50.00	0	98.7	65	135				
Surr: 4-Bromofluorobenzene	2.47		2.500		98.9	65	135				
Surr: Toluene-d8	2.48		2.500		99.0	65	135				

Sample ID **MB-18701**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **10/30/2017**	RunNo: **39594**
Client ID: **MBLKW**	Batch ID: **18701**		Analysis Date: **10/30/2017**	SeqNo: **762095**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.39		2.500		95.7	65	135				
Surr: Toluene-d8	2.53		2.500		101	65	135				

Sample ID **1710472-001AREP**	SampType: **REP**	Units: **µg/L**	Prep Date: **10/30/2017**	RunNo: **39594**
Client ID: **SP-4**	Batch ID: **18701**		Analysis Date: **10/30/2017**	SeqNo: **762088**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	11.7	5.00						11.50	2.08	30	
Surr: 4-Bromofluorobenzene	2.46		2.500		98.4	65	135		0		
Surr: Toluene-d8	2.48		2.500		99.2	65	135		0		

Work Order: 1710472
CLIENT: Environmental Partners, Inc.
Project: 43701 (Island Center Texaco)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-18701** SampType: **LCS** Units: **µg/L** Prep Date: **10/30/2017** RunNo: **39590**
Client ID: **LCSW** Batch ID: **18701** Analysis Date: **10/30/2017** SeqNo: **762029**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.10	0.100	2.000	0	105	67.1	132				
Toluene	2.07	0.100	2.000	0	103	73.6	127				
Ethylbenzene	2.21	0.100	2.000	0	110	78	127				
m,p-Xylene	4.03	0.100	4.000	0	101	77.5	130				
o-Xylene	1.96	0.100	2.000	0	97.9	77.6	126				
Surr: Dibromofluoromethane	2.33		2.500		93.0	56.4	141				
Surr: Toluene-d8	2.36		2.500		94.5	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.61		2.500		105	64.7	128				

Sample ID **MB-18701** SampType: **MBLK** Units: **µg/L** Prep Date: **10/30/2017** RunNo: **39590**
Client ID: **MBLKW** Batch ID: **18701** Analysis Date: **10/30/2017** SeqNo: **762030**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.59		2.500		104	56.4	141				
Surr: Toluene-d8	2.70		2.500		108	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.32		2.500		92.6	64.7	128				

Sample ID **1710472-001AREP** SampType: **REP** Units: **µg/L** Prep Date: **10/30/2017** RunNo: **39590**
Client ID: **SP-4** Batch ID: **18701** Analysis Date: **10/30/2017** SeqNo: **762080**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	0.202	0.100						0.1981	2.13	30	

Work Order: 1710472
CLIENT: Environmental Partners, Inc.
Project: 43701 (Island Center Texaco)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1710472-001AREP** SampType: **REP** Units: **µg/L** Prep Date: **10/30/2017** RunNo: **39590**
Client ID: **SP-4** Batch ID: **18701** Analysis Date: **10/30/2017** SeqNo: **762080**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	2.57		2.500		103	61.1	128		0		
Surr: Toluene-d8	2.66		2.500		107	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.43		2.500		97.1	64.7	128		0		

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1710472**
Logged by:	**Clare Griggs**	Date Received:	**10/27/2017 11:40:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air Samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/27/17 Page: 1 of: 1

Project Name: 43701 (Island Center Texaco)

Laboratory Project No (Internal): 1710472

Special Remarks:

Client: Environmental Partners Inc.

Address: 1180 NW Maple St.

City, State, Zip: Issaquah, WA 98027

Telephone: 425-395-0010

Fax:

Project No: 43701

Location: Bainbridge Island, WA

Collected by: J Sherrod

Reports to (PM): J. Bernthal

Email (PM): joshb@epi-wa.com

Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Sample Type (Matrix) *	Container Type **	Sample Volume	Fill Time	Flow Rate	Internal: Initial Evacuation Pressure (mtorr)	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis Requested	Internal: Receipt Date	Internal: Final Pressure ("Hg)
1 SP-4	Canister / Flow Reg	10/27/17 Date / 0760 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx+ BTEX	10/27	
2 SP-3	Canister / Flow Reg	10/27/17 Date / 0720 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx+ BTEX	10/27	
3 SP-1	Canister / Flow Reg	10/27/17 Date / 0730 Time	S	TB	1L	.5 min		Pressure / Date	Pressure / Time	Pressure / Time	Gx+ BTEX	10/27	
4	Canister / Flow Reg	Date / Time						Pressure / Date	Pressure / Time	Pressure / Time			
5	Canister / Flow Reg	Date / Time						Pressure / Date	Pressure / Time	Pressure / Time			

* Matrix Codes: AA = Ambient Air IA = Indoor Air L = Landfill S = Subslab / Soil Gas

** Container Codes: BV = 1 Liter Bottle Vac CAN = Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	10/27/17 / 1140	x Casey Olson	10/27/17 1140
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-Around Time:

- [x] Standard
- [ ] 3 Day
- [ ] 2 Day
- [ ] Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1711459

December 07, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 11/30/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *12/07/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1711459

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1711459-001	SP-1	11/30/2017 8:00 AM	11/30/2017 1:20 PM
1711459-002	SP-3	11/30/2017 8:30 AM	11/30/2017 1:20 PM
1711459-003	SP-4	11/30/2017 9:00 AM	11/30/2017 1:20 PM

Case Narrative

WO#: **1711459**
Date: **12/7/2017**

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1711459**
Date Reported: **12/7/2017**

Client: Environmental Partners, Inc.
Collection Date: 11/30/2017 8:00:00 AM
Project: Island Center Texaco
Lab ID: 1711459-001
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 19056		Analyst: MW
Benzene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
Toluene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
Ethylbenzene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
m,p-Xylene	0.160	0.100		µg/L	1	12/1/2017 2:29:31 PM
o-Xylene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
Surr: Dibromofluoromethane	99.7	56.4 - 141		%Rec	1	12/1/2017 2:29:31 PM
Surr: Toluene-d8	91.4	66 - 138		%Rec	1	12/1/2017 2:29:31 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	92.6	64.7 - 128		%Rec	1	12/1/2017 2:29:31 PM
Gasoline by NWTPH-Gx				Batch ID: 19056		Analyst: MW
Gasoline	6.03	5.00		µg/L	1	12/1/2017 2:29:31 PM
Surr: 4-Bromofluorobenzene	97.6	65 - 135		%Rec	1	12/1/2017 2:29:31 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	12/1/2017 2:29:31 PM

Analytical Report

Work Order: **1711459**
Date Reported: **12/7/2017**

Client: Environmental Partners, Inc.
Collection Date: 11/30/2017 8:30:00 AM
Project: Island Center Texaco
Lab ID: 1711459-002
Matrix: Air
Client Sample ID: SP-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 19056		Analyst: MW
Benzene	2.82	0.100		µg/L	1	12/1/2017 3:30:41 PM
Toluene	10.4	1.00	D	µg/L	10	12/1/2017 1:58:59 PM
Ethylbenzene	0.701	0.100		µg/L	1	12/1/2017 3:30:41 PM
m,p-Xylene	4.32	1.00	D	µg/L	10	12/1/2017 1:58:59 PM
o-Xylene	1.68	0.100		µg/L	1	12/1/2017 3:30:41 PM
Surr: Dibromofluoromethane	102	56.4 - 141		%Rec	1	12/1/2017 3:30:41 PM
Surr: Toluene-d8	98.1	66 - 138		%Rec	1	12/1/2017 3:30:41 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	97.6	64.7 - 128		%Rec	1	12/1/2017 3:30:41 PM
Gasoline by NWTPH-Gx				Batch ID: 19056		Analyst: MW
Gasoline	516	50.0	D	µg/L	10	12/1/2017 1:58:59 PM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	12/1/2017 3:30:41 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	12/1/2017 3:30:41 PM

Analytical Report

Work Order: **1711459**
Date Reported: **12/7/2017**

Client: Environmental Partners, Inc.
Collection Date: 11/30/2017 9:00:00 AM
Project: Island Center Texaco
Lab ID: 1711459-003
Matrix: Air
Client Sample ID: **SP-4**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 19056		Analyst: MW
Benzene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
Toluene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
Ethylbenzene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
m,p-Xylene	0.135	0.100		µg/L	1	12/1/2017 12:57:52 PM
o-Xylene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
Surr: Dibromofluoromethane	99.3	56.4 - 141		%Rec	1	12/1/2017 12:57:52 PM
Surr: Toluene-d8	90.4	66 - 138		%Rec	1	12/1/2017 12:57:52 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	93.6	64.7 - 128		%Rec	1	12/1/2017 12:57:52 PM
Gasoline by NWTPH-Gx				Batch ID: 19056		Analyst: MW
Gasoline	ND	5.00		µg/L	1	12/1/2017 12:57:52 PM
Surr: 4-Bromofluorobenzene	98.7	65 - 135		%Rec	1	12/1/2017 12:57:52 PM
Surr: Toluene-d8	99.3	65 - 135		%Rec	1	12/1/2017 12:57:52 PM

Work Order: 1711459
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **1711458-002AREP** SampType: **REP** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40249**
Client ID: **BATCH** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775589**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00						0		30	
Surr: 4-Bromofluorobenzene	2.41		2.500		96.4	65	135		0		
Surr: Toluene-d8	2.48		2.500		99.2	65	135		0		

Sample ID **LCS-19056** SampType: **LCS** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40249**
Client ID: **LCSW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775597**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	57.7	5.00	50.00	0	115	65	135				
Surr: 4-Bromofluorobenzene	2.57		2.500		103	65	135				
Surr: Toluene-d8	2.53		2.500		101	65	135				

Sample ID **MB-19056** SampType: **MBLK** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40249**
Client ID: **MBLKW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775598**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.35		2.500		94.2	65	135				
Surr: Toluene-d8	2.57		2.500		103	65	135				

Work Order: 1711459
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1711458-002AREP** SampType: **REP** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **BATCH** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775508**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.100						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	2.49		2.500		99.5	61.1	128		0		
Surr: Toluene-d8	2.24		2.500		89.6	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.29		2.500		91.4	64.7	128		0		

Sample ID **LCS-19056** SampType: **LCS** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **LCSW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775516**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.07	0.100	2.000	0	104	67.1	132				
Toluene	2.03	0.100	2.000	0	101	73.6	127				
Ethylbenzene	2.19	0.100	2.000	0	109	78	127				
m,p-Xylene	4.33	0.100	4.000	0	108	77.5	130				
o-Xylene	2.06	0.100	2.000	0	103	77.6	126				
Surr: Dibromofluoromethane	2.54		2.500		101	56.4	141				
Surr: Toluene-d8	2.44		2.500		97.6	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.62		2.500		105	64.7	128				

Sample ID **MB-19056** SampType: **MBLK** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **MBLKW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775517**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									

Work Order: 1711459
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-19056** SampType: **MBLK** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **MBLKW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775517**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.43		2.500		97.2	56.4	141				
Surr: Toluene-d8	2.26		2.500		90.4	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.23		2.500		89.4	64.7	128				

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1711459**
Logged by:	**Clare Griggs**	Date Received:	**11/30/2017 1:20:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air Samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/30/17 Page: 1 of: 1

Laboratory Project No (internal): 1711459

Project Name: ~~Brainbridge~~ Island Center Terrace

Special Remarks:

Client: ENVIRONMENTAL PARTNERS, INC

Project No: 43701.11

Address: 1180 NW Maple St Ste 310

Collected by:

City, State, Zip: ISSAQUAH WA 98027

Location: Bainbridge Island

Telephone: 425-241-5400

Report To (PM): Josh Bernthal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: joshb@epi-wa.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SP-1	11/30/17	0800	Air		X												
2	SP-3	11/30/17	0830	Air		X												
3	SP-A	11/30/17	0900	Air		X												
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

- ☒ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	11/30/17 1320	x	11/30/17 1320
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Environmental Partners, Inc.
Josh Bernthal
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

RE: Island Center Texaco
Work Order Number: 1711459

December 07, 2017

Attention Josh Bernthal:

Fremont Analytical, Inc. received 3 sample(s) on 11/30/2017 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

Date: *12/07/2017*

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco
Work Order: 1711459

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1711459-001	SP-1	11/30/2017 8:00 AM	11/30/2017 1:20 PM
1711459-002	SP-3	11/30/2017 8:30 AM	11/30/2017 1:20 PM
1711459-003	SP-A	11/30/2017 9:00 AM	11/30/2017 1:20 PM

Case Narrative

WO#: **1711459**
Date: **12/7/2017**

CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1711459**
Date Reported: **12/7/2017**

Client: Environmental Partners, Inc.
Collection Date: 11/30/2017 8:00:00 AM
Project: Island Center Texaco
Lab ID: 1711459-001
Matrix: Air
Client Sample ID: **SP-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 19056		Analyst: MW
Benzene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
Toluene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
Ethylbenzene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
m,p-Xylene	0.160	0.100		µg/L	1	12/1/2017 2:29:31 PM
o-Xylene	ND	0.100		µg/L	1	12/1/2017 2:29:31 PM
Surr: Dibromofluoromethane	99.7	56.4 - 141		%Rec	1	12/1/2017 2:29:31 PM
Surr: Toluene-d8	91.4	66 - 138		%Rec	1	12/1/2017 2:29:31 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	92.6	64.7 - 128		%Rec	1	12/1/2017 2:29:31 PM
Gasoline by NWTPH-Gx				Batch ID: 19056		Analyst: MW
Gasoline	6.03	5.00		µg/L	1	12/1/2017 2:29:31 PM
Surr: 4-Bromofluorobenzene	97.6	65 - 135		%Rec	1	12/1/2017 2:29:31 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	12/1/2017 2:29:31 PM

Analytical Report

Work Order: **1711459**
Date Reported: **12/7/2017**

Client: Environmental Partners, Inc.
Collection Date: 11/30/2017 8:30:00 AM
Project: Island Center Texaco
Lab ID: 1711459-002
Matrix: Air
Client Sample ID: SP-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 19056		Analyst: MW
Benzene	2.82	0.100		µg/L	1	12/1/2017 3:30:41 PM
Toluene	10.4	1.00	D	µg/L	10	12/1/2017 1:58:59 PM
Ethylbenzene	0.701	0.100		µg/L	1	12/1/2017 3:30:41 PM
m,p-Xylene	4.32	1.00	D	µg/L	10	12/1/2017 1:58:59 PM
o-Xylene	1.68	0.100		µg/L	1	12/1/2017 3:30:41 PM
Surr: Dibromofluoromethane	102	56.4 - 141		%Rec	1	12/1/2017 3:30:41 PM
Surr: Toluene-d8	98.1	66 - 138		%Rec	1	12/1/2017 3:30:41 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	97.6	64.7 - 128		%Rec	1	12/1/2017 3:30:41 PM
Gasoline by NWTPH-Gx				Batch ID: 19056		Analyst: MW
Gasoline	516	50.0	D	µg/L	10	12/1/2017 1:58:59 PM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	12/1/2017 3:30:41 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	12/1/2017 3:30:41 PM

Analytical Report

Work Order: **1711459**
Date Reported: **12/7/2017**

Client: Environmental Partners, Inc.
Collection Date: 11/30/2017 9:00:00 AM
Project: Island Center Texaco
Lab ID: 1711459-003
Matrix: Air
Client Sample ID: **SP-A**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 19056		Analyst: MW
Benzene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
Toluene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
Ethylbenzene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
m,p-Xylene	0.135	0.100		µg/L	1	12/1/2017 12:57:52 PM
o-Xylene	ND	0.100		µg/L	1	12/1/2017 12:57:52 PM
Surr: Dibromofluoromethane	99.3	56.4 - 141		%Rec	1	12/1/2017 12:57:52 PM
Surr: Toluene-d8	90.4	66 - 138		%Rec	1	12/1/2017 12:57:52 PM
Surr: 1-Bromo-4-fluorobenzene-BFB	93.6	64.7 - 128		%Rec	1	12/1/2017 12:57:52 PM
Gasoline by NWTPH-Gx				Batch ID: 19056		Analyst: MW
Gasoline	ND	5.00		µg/L	1	12/1/2017 12:57:52 PM
Surr: 4-Bromofluorobenzene	98.7	65 - 135		%Rec	1	12/1/2017 12:57:52 PM
Surr: Toluene-d8	99.3	65 - 135		%Rec	1	12/1/2017 12:57:52 PM

Work Order: 1711459
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **1711458-002AREP** SampType: **REP** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40249**
Client ID: **BATCH** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775589**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00						0		30	
Surr: 4-Bromofluorobenzene	2.41		2.500		96.4	65	135		0		
Surr: Toluene-d8	2.48		2.500		99.2	65	135		0		

Sample ID **LCS-19056** SampType: **LCS** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40249**
Client ID: **LCSW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775597**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	57.7	5.00	50.00	0	115	65	135				
Surr: 4-Bromofluorobenzene	2.57		2.500		103	65	135				
Surr: Toluene-d8	2.53		2.500		101	65	135				

Sample ID **MB-19056** SampType: **MBLK** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40249**
Client ID: **MBLKW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775598**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: 4-Bromofluorobenzene	2.35		2.500		94.2	65	135				
Surr: Toluene-d8	2.57		2.500		103	65	135				

Work Order: 1711459
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1711458-002AREP** SampType: **REP** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **BATCH** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775508**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.100						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	2.49		2.500		99.5	61.1	128		0		
Surr: Toluene-d8	2.24		2.500		89.6	68.2	129		0		
Surr: 1-Bromo-4-fluorobenzene-BFB	2.29		2.500		91.4	64.7	128		0		

Sample ID **LCS-19056** SampType: **LCS** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **LCSW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775516**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.07	0.100	2.000	0	104	67.1	132				
Toluene	2.03	0.100	2.000	0	101	73.6	127				
Ethylbenzene	2.19	0.100	2.000	0	109	78	127				
m,p-Xylene	4.33	0.100	4.000	0	108	77.5	130				
o-Xylene	2.06	0.100	2.000	0	103	77.6	126				
Surr: Dibromofluoromethane	2.54		2.500		101	56.4	141				
Surr: Toluene-d8	2.44		2.500		97.6	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.62		2.500		105	64.7	128				

Sample ID **MB-19056** SampType: **MBLK** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **MBLKW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775517**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.100									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									

Work Order: 1711459
CLIENT: Environmental Partners, Inc.
Project: Island Center Texaco

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-19056** SampType: **MBLK** Units: **µg/L** Prep Date: **12/1/2017** RunNo: **40245**
Client ID: **MBLKW** Batch ID: **19056** Analysis Date: **12/1/2017** SeqNo: **775517**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	2.43		2.500		97.2	56.4	141				
Surr: Toluene-d8	2.26		2.500		90.4	66	138				
Surr: 1-Bromo-4-fluorobenzene-BFB	2.23		2.500		89.4	64.7	128				

Sample Log-In Check List

Client Name:	**EPI**	Work Order Number:	**1711459**
Logged by:	**Clare Griggs**	Date Received:	**11/30/2017 1:20:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air Samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/30/17 Page: 1 of: 1

Laboratory Project No (internal): 1711459

Project Name: ~~Brainbridge~~ Island Center Terrace

Special Remarks:

Client: ENVIRONMENTAL PARTNERS, INC

Project No: 43701.11

Address: 1180 NW Maple St Ste 310

Collected by:

City, State, Zip: ISSAQUAH WA 98027

Location: Bainbridge Island

Telephone: 425-241-5400

Report To (PM): Josh Bernthal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: joshb@epi-wa.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SP-1	11/30/17	0800	Air		X												
2	SP-3	11/30/17	0830	Air		X												
3	SP-A	11/30/17	0900	Air		X												
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

- ☒ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	11/30/17 1320	x	11/30/17 1320
Relinquished	Date/Time	Received	Date/Time
x		x	

April 5, 2017

Mr. Josh Bernthal
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

Dear Mr. Bernthal,

On March 29th, 14 samples were received by our laboratory and assigned our laboratory project number EV17030253. The project was identified as your 43701. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-01
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/27/2017 10:19:00 AM
CLIENT SAMPLE ID	MW-20	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	04/01/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	04/01/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**88.6**	04/01/2017	SNC
TFT	EPA-8021	**90.4**	04/01/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-02
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/27/2017 10:19:00 AM
CLIENT SAMPLE ID	MW-19	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**72000**	2500	50	UG/L	04/03/2017	SNC
Benzene	EPA-8021	**1900**	50	50	UG/L	04/03/2017	SNC
Toluene	EPA-8021	**9800**	50	50	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	**1100**	50	50	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	**5600**	150	50	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**93.8**	04/03/2017	SNC
TFT 50X Dilution	EPA-8021	**90.1**	04/03/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-03
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/27/2017 11:32:00 AM
CLIENT SAMPLE ID	MW-16D	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**16000**	500	10	UG/L	04/03/2017	SNC
Benzene	EPA-8021	**530**	10	10	UG/L	04/03/2017	SNC
Toluene	EPA-8021	**1200**	10	10	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	**620**	10	10	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	**1300**	30	10	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	**115**	04/03/2017	SNC
TFT 10X Dilution	EPA-8021	**104**	04/03/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-04
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/27/2017 12:11:00 PM
CLIENT SAMPLE ID	MW-16S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	04/03/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/03/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**87.2**	04/03/2017	SNC
TFT	EPA-8021	**89.3**	04/03/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-05
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 7:38:00 AM
CLIENT SAMPLE ID	MW-29	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	04/03/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/03/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**90.4**	04/03/2017	SNC
TFT	EPA-8021	**91.1**	04/03/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-06
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 8:02:00 AM
CLIENT SAMPLE ID	MW-28	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	04/01/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Toluene	EPA-8021	**1.1**	1.0	1	UG/L	04/01/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	04/01/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**91.7**	04/01/2017	SNC
TFT	EPA-8021	**90.3**	04/01/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-07
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 8:49:00 AM
CLIENT SAMPLE ID	MW-6D	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**78000**	10000	200	UG/L	04/03/2017	SNC
Benzene	EPA-8021	**26000**	200	200	UG/L	04/03/2017	SNC
Toluene	EPA-8021	**11000**	200	200	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	**1200**	200	200	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	**5400**	600	200	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 200X Dilution	NWTPH-GX	**99.4**	04/03/2017	SNC
TFT 200X Dilution	EPA-8021	**98.0**	04/03/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-08
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 9:24:00 AM
CLIENT SAMPLE ID	MW-6S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	04/01/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	04/01/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	04/01/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**87.7**	04/01/2017	SNC
TFT	EPA-8021	**88.5**	04/01/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-09
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 9:51:00 AM
CLIENT SAMPLE ID	MW-37	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**2600**	100	2	UG/L	04/03/2017	SNC
Benzene	EPA-8021	**13**	2.0	2	UG/L	04/03/2017	SNC
Toluene	EPA-8021	**66**	2.0	2	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	**12**	2.0	2	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	**260**	6.0	2	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	**108**	04/03/2017	SNC
TFT 2X Dilution	EPA-8021	**99.5**	04/03/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-10
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 10:37:00 AM
CLIENT SAMPLE ID	MW-38	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**1300**	50	1	UG/L	04/02/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/02/2017	SNC
Toluene	EPA-8021	**15**	1.0	1	UG/L	04/02/2017	SNC
Ethylbenzene	EPA-8021	**5.9**	1.0	1	UG/L	04/02/2017	SNC
Xylenes	EPA-8021	**50**	3.0	1	UG/L	04/02/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**110**	04/02/2017	SNC
TFT	EPA-8021	**126**	04/02/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-11
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 11:11:00 AM
CLIENT SAMPLE ID	MW-18d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**170000**	5000	100	UG/L	04/03/2017	SNC
Benzene	EPA-8021	**25000**	200	200	UG/L	04/04/2017	SNC
Toluene	EPA-8021	**26000**	200	200	UG/L	04/04/2017	SNC
Ethylbenzene	EPA-8021	**2000**	200	200	UG/L	04/04/2017	SNC
Xylenes	EPA-8021	**11000**	600	200	UG/L	04/04/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	**107**	04/03/2017	SNC
TFT 200X Dilution	EPA-8021	**99.9**	04/04/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-12
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 11:52:00 AM
CLIENT SAMPLE ID	MW-26d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**180000**	25000	500	UG/L	04/02/2017	SNC
Benzene	EPA-8021	**50000**	500	500	UG/L	04/02/2017	SNC
Toluene	EPA-8021	**28000**	500	500	UG/L	04/02/2017	SNC
Ethylbenzene	EPA-8021	**2300**	500	500	UG/L	04/02/2017	SNC
Xylenes	EPA-8021	**11000**	1500	500	UG/L	04/02/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 500X Dilution	NWTPH-GX	**84.0**	04/02/2017	SNC
TFT 500X Dilution	EPA-8021	**83.4**	04/02/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-13
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 12:19:00 PM
CLIENT SAMPLE ID	MW-9S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**140000**	5000	100	UG/L	04/03/2017	SNC
Benzene	EPA-8021	**8800**	100	100	UG/L	04/03/2017	SNC
Toluene	EPA-8021	**16000**	100	100	UG/L	04/03/2017	SNC
Ethylbenzene	EPA-8021	**2100**	100	100	UG/L	04/03/2017	SNC
Xylenes	EPA-8021	**14000**	300	100	UG/L	04/03/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	**100**	04/03/2017	SNC
TFT 100X Dilution	EPA-8021	**99.4**	04/03/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS JOB#:	EV17030253
		ALS SAMPLE#:	EV17030253-14
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	03/29/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	3/28/2017 8:00:00 AM
CLIENT SAMPLE ID	DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	04/02/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	04/02/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	04/02/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	04/02/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	04/02/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**87.4**	04/02/2017	SNC
TFT	EPA-8021	**87.8**	04/02/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT: Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027
CLIENT CONTACT: Josh Bernthal
CLIENT PROJECT: 43701

DATE: 4/5/2017
ALS SDG#: EV17030253
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBG-040117W - Batch 114919 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	04/01/2017	SNC

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

MB-040117W - Batch 114919 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	04/01/2017	SNC
Toluene	EPA-8021	U	UG/L	1.0	04/01/2017	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	04/01/2017	SNC
Xylenes	EPA-8021	U	UG/L	3.0	04/01/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	4/5/2017
		ALS SDG#:	EV17030253
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 114919 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**85.8**			66.5	122.7	04/01/2017	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**89.5**	**4**		66.5	122.7	04/01/2017	SNC

ALS Test Batch ID: 114919 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**99.0**			83	120	04/01/2017	SNC
Benzene - BSD	EPA-8021	**100**	**1**		83	120	04/01/2017	SNC
Toluene - BS	EPA-8021	**96.8**			85	115	04/01/2017	SNC
Toluene - BSD	EPA-8021	**98.9**	**2**		85	115	04/01/2017	SNC
Ethylbenzene - BS	EPA-8021	**97.7**			85	113	04/01/2017	SNC
Ethylbenzene - BSD	EPA-8021	**98.3**	**1**		85	113	04/01/2017	SNC
Xylenes - BS	EPA-8021	**101**			85	116	04/01/2017	SNC
Xylenes - BSD	EPA-8021	**103**	**2**		85	116	04/01/2017	SNC

APPROVED BY

Laboratory Director

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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV1703025 3

Date 3-28-17 Page 1 Of 2

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple St.
Issaquah, WA 98027
PHONE: 425-395-0010 FAX:
P.O. #: E-MAIL: joshb@epi-wa.com
INVOICE TO COMPANY: EPI
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ~~X~~ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-20	3-27-17	1019	W	1			X	X												2	
2. MW-19	↓	1059	↓	2			↓	↓												↓	
3. MW-16D	↓	1132	↓	3			↓	↓												↓	
4. MW-16S	↓	1211	↓	4			↓	↓												↓	
5. MW-29	3-28-17	0738	↓	5			↓	↓												↓	
6. MW-28	↓	0802	↓	6			↓	↓												↓	
7. MW-6D	↓	0849	↓	7			↓	↓												↓	
8. MW-6S	↓	0924	↓	8			↓	↓												↓	
9. MW-37	↓	0951	↓	9			↓	↓												↓	
10. MW-38	↓	1037	↓	10			↓	↓												↓	

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Joe Sherrod EPI 3/29/17, 12:28pm
   Received By: Katie McCulloch / ALS / 3.29.17 / 12:28pm
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

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

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

OTHER:
Specify: _____

*Turnaround request less than standard may incur Rush Charges

ALS Environmental
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Everett, WA 98208
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Fax (425) 356-2626
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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1703025 3

Date 3-28-17 Page 2 Of 2

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple St.
Issaquah, WA 98027
PHONE: 425-395-0010 FAX:
P.O. #: E-MAIL: joshb@epi-wa.com
INVOICE TO COMPANY: EPI
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021B	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-18d	3/28/17	1111	W	11			X	X																							2	
2. MW-26d		1152		12																												
3. MW-9S		1219		13																												
4. Dup-1		—		14																												
5.																																
6.																																
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Joe Sherrod EPI 3/29/17 12:28pm
   Received By: Kati McCulloch / ALS / 3.29.17 / 12:28pm
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

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

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

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

July 10, 2017

Mr. Josh Bernthal
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

Dear Mr. Bernthal,

On June 30th, 14 samples were received by our laboratory and assigned our laboratory project number EV17060209. The project was identified as your 43701. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

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ALS Group USA, Corp dba ALS Environmental

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-01
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 9:04:00 AM
CLIENT SAMPLE ID	MW-28	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/05/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	07/05/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**89.9**	07/05/2017	SNC
TFT	EPA-8021	**93.6**	07/05/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-02
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 9:31:00 AM
CLIENT SAMPLE ID	MW-29	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/05/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	07/05/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**83.3**	07/05/2017	SNC
TFT	EPA-8021	**92.5**	07/05/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-03
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 10:04:00 AM
CLIENT SAMPLE ID	MW-16d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**21000**	1000	20	UG/L	07/06/2017	SNC
Benzene	EPA-8021	**1300**	20	20	UG/L	07/06/2017	SNC
Toluene	EPA-8021	**1900**	20	20	UG/L	07/06/2017	SNC
Ethylbenzene	EPA-8021	**850**	20	20	UG/L	07/06/2017	SNC
Xylenes	EPA-8021	**2100**	60	20	UG/L	07/06/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	**61.6**	07/06/2017	SNC
TFT 20X Dilution	EPA-8021	**68.8**	07/06/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-04
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 10:38:00 AM
CLIENT SAMPLE ID	MW-16s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/05/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	07/05/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**86.8**	07/05/2017	SNC
TFT	EPA-8021	**95.9**	07/05/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-05
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 11:28:00 AM
CLIENT SAMPLE ID	MW-19	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**76000**	2500	50	UG/L	07/07/2017	SNC
Benzene	EPA-8021	**6300**	50	50	UG/L	07/07/2017	SNC
Toluene	EPA-8021	**9200**	50	50	UG/L	07/07/2017	SNC
Ethylbenzene	EPA-8021	**1800**	50	50	UG/L	07/07/2017	SNC
Xylenes	EPA-8021	**8700**	150	50	UG/L	07/07/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**65.2**	07/07/2017	SNC
TFT 50X Dilution	EPA-8021	**72.8**	07/07/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS JOB#:	EV17060209
		ALS SAMPLE#:	EV17060209-06
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 12:04:00 PM
CLIENT SAMPLE ID	MW-20	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/05/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/05/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	07/05/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**89.8**	07/05/2017	SNC
TFT	EPA-8021	**94.4**	07/05/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS JOB#:	EV17060209
		ALS SAMPLE#:	EV17060209-07
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 12:49:00 PM
CLIENT SAMPLE ID	MW-6d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**23000**	2500	50	UG/L	07/07/2017	SNC
Benzene	EPA-8021	**15000**	100	100	UG/L	07/07/2017	SNC
Toluene	EPA-8021	**2800**	100	100	UG/L	07/07/2017	SNC
Ethylbenzene	EPA-8021	**600**	100	100	UG/L	07/07/2017	SNC
Xylenes	EPA-8021	**2300**	300	100	UG/L	07/07/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**71.7**	07/07/2017	SNC
TFT 100X Dilution	EPA-8021	**71.5**	07/07/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-08
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 1:20:00 PM
CLIENT SAMPLE ID	MW-6s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**4300**	250	5	UG/L	07/06/2017	SNC
Benzene	EPA-8021	**760**	5.0	5	UG/L	07/06/2017	SNC
Toluene	EPA-8021	**800**	5.0	5	UG/L	07/06/2017	SNC
Ethylbenzene	EPA-8021	**9.7**	5.0	5	UG/L	07/06/2017	SNC
Xylenes	EPA-8021	**250**	15	5	UG/L	07/06/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**80.9**	07/06/2017	SNC
TFT 5X Dilution	EPA-8021	**91.6**	07/06/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-09
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/29/2017 7:25:00 AM
CLIENT SAMPLE ID	MW-26d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**130000**	5000	100	UG/L	07/07/2017	SNC
Benzene	EPA-8021	**44000**	400	400	UG/L	07/07/2017	SNC
Toluene	EPA-8021	**23000**	400	400	UG/L	07/07/2017	SNC
Ethylbenzene	EPA-8021	**2000**	400	400	UG/L	07/07/2017	SNC
Xylenes	EPA-8021	**9500**	1200	400	UG/L	07/07/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	**74.7**	07/07/2017	SNC
TFT 400X Dilution	EPA-8021	**70.9**	07/07/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS JOB#:	EV17060209
		ALS SAMPLE#:	EV17060209-10
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/29/2017 7:56:00 AM
CLIENT SAMPLE ID	MW-8s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**970**	50	1	UG/L	07/06/2017	SNC
Benzene	EPA-8021	**130**	1.0	1	UG/L	07/06/2017	SNC
Toluene	EPA-8021	**6.5**	1.0	1	UG/L	07/06/2017	SNC
Ethylbenzene	EPA-8021	**91**	1.0	1	UG/L	07/06/2017	SNC
Xylenes	EPA-8021	**45**	3.0	1	UG/L	07/06/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**79.2**	07/06/2017	SNC
TFT	EPA-8021	**86.4**	07/06/2017	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-11
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/29/2017 8:21:00 AM
CLIENT SAMPLE ID	VE-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**87000**	5000	100	UG/L	07/07/2017	SNC
Benzene	EPA-8021	**6300**	100	100	UG/L	07/07/2017	SNC
Toluene	EPA-8021	**10000**	100	100	UG/L	07/07/2017	SNC
Ethylbenzene	EPA-8021	**970**	100	100	UG/L	07/07/2017	SNC
Xylenes	EPA-8021	**8700**	300	100	UG/L	07/07/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	**63.6**	07/07/2017	SNC
TFT 100X Dilution	EPA-8021	**71.8**	07/07/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS JOB#:	EV17060209
		ALS SAMPLE#:	EV17060209-12
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/29/2017 9:09:00 AM
CLIENT SAMPLE ID	MW-38	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**60000**	2500	50	UG/L	07/07/2017	SNC
Benzene	EPA-8021	**100**	50	50	UG/L	07/07/2017	SNC
Toluene	EPA-8021	**2200**	50	50	UG/L	07/07/2017	SNC
Ethylbenzene	EPA-8021	**1800**	50	50	UG/L	07/07/2017	SNC
Xylenes	EPA-8021	**10000**	150	50	UG/L	07/07/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**64.0**	07/07/2017	SNC
TFT 50X Dilution	EPA-8021	**67.3**	07/07/2017	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS JOB#:	EV17060209
		ALS SAMPLE#:	EV17060209-13
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/29/2017 9:44:00 AM
CLIENT SAMPLE ID	MW-18d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**3000**	100	2	UG/L	07/06/2017	SNC
Benzene	EPA-8021	**460**	5.0	5	UG/L	07/07/2017	SNC
Toluene	EPA-8021	**480**	5.0	5	UG/L	07/07/2017	SNC
Ethylbenzene	EPA-8021	**20**	5.0	5	UG/L	07/07/2017	SNC
Xylenes	EPA-8021	**230**	15	5	UG/L	07/07/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	**80.0**	07/06/2017	SNC
TFT 5X Dilution	EPA-8021	**75.3**	07/07/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	7/10/2017 EV17060209 EV17060209-14
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	06/30/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	6/28/2017 8:00:00 AM
CLIENT SAMPLE ID	DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/06/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	07/06/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	07/06/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/06/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	07/06/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**136**	07/06/2017	SNC
TFT	EPA-8021	**148**	07/06/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS SDG#:	EV17060209
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY BLANK RESULTS

MBG-070517W - Batch 117827 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	07/05/2017	SNC

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

MB-070517W - Batch 117827 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	07/05/2017	SNC
Toluene	EPA-8021	U	UG/L	1.0	07/05/2017	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	07/05/2017	SNC
Xylenes	EPA-8021	U	UG/L	3.0	07/05/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	7/10/2017
		ALS SDG#:	EV17060209
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 117827 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**96.5**			66.5	122.7	07/06/2017	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**98.9**	**2**		66.5	122.7	07/06/2017	SNC

ALS Test Batch ID: 117827 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**112**			83	120	07/06/2017	SNC
Benzene - BSD	EPA-8021	**113**	**1**		83	120	07/06/2017	SNC
Toluene - BS	EPA-8021	**108**			85	115	07/06/2017	SNC
Toluene - BSD	EPA-8021	**110**	**1**		85	115	07/06/2017	SNC
Ethylbenzene - BS	EPA-8021	**108**			85	113	07/06/2017	SNC
Ethylbenzene - BSD	EPA-8021	**108**	**0**		85	113	07/06/2017	SNC
Xylenes - BS	EPA-8021	**113**			85	116	07/06/2017	SNC
Xylenes - BSD	EPA-8021	**113**	**1**		85	116	07/06/2017	SNC

APPROVED BY

Laboratory Director

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ALS Group USA, Corp dba ALS Environmental

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

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1706020 9

Date 6/29/17 Page 1 Of 2

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Birnthal
ADDRESS: 118 NW Maple St.
Issaquah, WA 98027
PHONE: 425 395-0010 FAX:
P.O. #: E-MAIL: joshb@epi-nw.com
INVOICE TO COMPANY: EPI
ATTENTION: 43701
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260	BTEX by EPA 8021	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-28	6/28/17	0904	Water	1			X	X																						2	
2. MW-29	"	0931	"	2			"	"																						"	
3. MW-16d		1004		3																											
4. MW-16s		1038		4																											
5. MW-19		1128		5																											
6. MW-20		1204		6																											
7. MW-6d		1249		7																											
8. MW-6s	↓	1320		8																											
9. MW-26d	6/29/17	0725		9																											
10. MW-8s	↓	0756	↓	10			↓	↓																					↓		

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 6/30/17, 1100
   Received By: Trent Tollen, ALS, 6/30/17, 1100
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

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

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

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

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

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1706O209

Date 6/29/17 Page 2 Of 2

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernthal
ADDRESS: 118e NW Maple St.
Issaquah, WA 98027
PHONE: 425 395 0010 FAX:
P.O. #: E-MAIL: joshb@epi-wa.com
INVOICE TO COMPANY: EPI
ATTENTION: 43701
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260	BTEX by EPA 8021	MTBE by EPA 8260	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. VE-1	6/29/17	0821	Water	11			X	X																							2	
2. MW-38	↓	0909	↓	12			↓	↓																							↓	
3. MW-18d	↓	0944	↓	13			↓	↓																								
4. Dup-1	6/29/17		Water	14			X	X																							↓	
5.																																
6.																																
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI, 6/30/17, 1100
   Received By: Trent Tollen, ALS, 6/30/17, 1100
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

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

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

OTHER: Specify: _____

*Turnaround request less than standard may incur Rush Charges

September 14, 2017

Mr. Josh Bernthal
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

Dear Mr. Bernthal,

On September 8th, 12 samples were received by our laboratory and assigned our laboratory project number EV17090047. The project was identified as your 43701. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-01
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 9:10:00 AM
CLIENT SAMPLE ID	MW-20	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**104**	09/13/2017	SNC
TFT	EPA-8021	**106**	09/13/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-02
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 9:45:00 AM
CLIENT SAMPLE ID	MW-29	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**106**	09/13/2017	SNC
TFT	EPA-8021	**112**	09/13/2017	SNC

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

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-03
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 10:18:00 AM
CLIENT SAMPLE ID	MW-28	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**111**	09/13/2017	SNC
TFT	EPA-8021	**108**	09/13/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-04
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 10:49:00 AM
CLIENT SAMPLE ID	MW-16D	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**280**	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**11**	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**16**	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	**11**	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**26**	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**114**	09/13/2017	SNC
TFT	EPA-8021	**106**	09/13/2017	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-05
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 11:10:00 AM
CLIENT SAMPLE ID	MW-16S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**111**	09/13/2017	SNC
TFT	EPA-8021	**111**	09/13/2017	SNC

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

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

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-06
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 11:48:00 AM
CLIENT SAMPLE ID	MW-19	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**85000**	2500	50	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**8500**	50	50	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**8400**	50	50	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	**1700**	50	50	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**7400**	150	50	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**110**	09/13/2017	SNC
TFT 50X Dilution	EPA-8021	**112**	09/13/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-07
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 12:35:00 PM
CLIENT SAMPLE ID	MW-6D	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**610**	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**290**	2.0	2	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**64**	2.0	2	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	U	2.0	2	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**40**	6.0	2	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**142**	09/13/2017	SNC
TFT 2X Dilution	EPA-8021	**126**	09/13/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.

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

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-08
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017 1:26:00 PM
CLIENT SAMPLE ID	MW-6S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**260**	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**33**	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**11**	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	**2.9**	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**10**	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**135**	09/13/2017	SNC
TFT	EPA-8021	**124**	09/13/2017	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	9/14/2017 EV17090047 EV17090047-09
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/6/2017
CLIENT SAMPLE ID	DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/13/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**106**	09/13/2017	SNC
TFT	EPA-8021	**105**	09/13/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-10
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/7/2017 11:11:00 AM
CLIENT SAMPLE ID	MW-8S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**3100**	100	2	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**310**	2.0	2	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**11**	2.0	2	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	**320**	2.0	2	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**52**	6.0	2	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	**135**	09/13/2017	SNC
TFT 2X Dilution	EPA-8021	**133**	09/13/2017	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-11
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/7/2017 9:56:00 AM
CLIENT SAMPLE ID	MW-18D	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**82000**	2500	50	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**8200**	50	50	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**9900**	50	50	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	**1300**	50	50	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**6400**	150	50	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**119**	09/13/2017	SNC
TFT 50X Dilution	EPA-8021	**119**	09/13/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS JOB#:	EV17090047
		ALS SAMPLE#:	EV17090047-12
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/08/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/7/2017 10:32:00 AM
CLIENT SAMPLE ID	MW-26D	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**110000**	10000	200	UG/L	09/13/2017	SNC
Benzene	EPA-8021	**29000**	200	200	UG/L	09/13/2017	SNC
Toluene	EPA-8021	**15000**	200	200	UG/L	09/13/2017	SNC
Ethylbenzene	EPA-8021	**2000**	200	200	UG/L	09/13/2017	SNC
Xylenes	EPA-8021	**8100**	600	200	UG/L	09/13/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 200X Dilution	NWTPH-GX	**114**	09/13/2017	SNC
TFT 200X Dilution	EPA-8021	**114**	09/13/2017	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS SDG#:	EV17090047
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY BLANK RESULTS

MBG-091217W - Batch 120045 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	09/12/2017	SNC

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

MB-091217W - Batch 120045 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	09/12/2017	SNC
Toluene	EPA-8021	U	UG/L	1.0	09/12/2017	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	09/12/2017	SNC
Xylenes	EPA-8021	U	UG/L	3.0	09/12/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/14/2017
		ALS SDG#:	EV17090047
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 120045 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**102**			66.5	122.7	09/13/2017	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**99.8**	**2**		66.5	122.7	09/13/2017	SNC

ALS Test Batch ID: 120045 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**111**			83	120	09/12/2017	SNC
Benzene - BSD	EPA-8021	**111**	**0**		83	120	09/13/2017	SNC
Toluene - BS	EPA-8021	**107**			85	115	09/12/2017	SNC
Toluene - BSD	EPA-8021	**107**	**0**		85	115	09/13/2017	SNC
Ethylbenzene - BS	EPA-8021	**108**			85	113	09/12/2017	SNC
Ethylbenzene - BSD	EPA-8021	**109**	**1**		85	113	09/13/2017	SNC
Xylenes - BS	EPA-8021	**104**			85	116	09/12/2017	SNC
Xylenes - BSD	EPA-8021	**104**	**0**		85	116	09/13/2017	SNC

APPROVED BY

Laboratory Director

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

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

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1709004[illegible]

Date 9/6/17 Page 1 Of 2

PROJECT ID: 43701
REPORT TO COMPANY: Environmental Partners Inc.
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple St.
Issaquah, WA 98027
PHONE: 425-395-0010 FAX:
P.O. #: E-MAIL: joshb@epi-wa.com
INVOICE TO COMPANY: EPI
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☑	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-20	9/6/17	0910	Water	1			X	X													2	
2. MW-29	"	0945	"	2			"	"													"	
3. MW-28	"	1018	"	3			"	"													"	
4. MW-16D	"	1049	"	4			"	"													"	
5. MW-16S	"	1110	"	5			"	"													"	
6. MW-19	"	1148	"	6			"	"													"	
7. MW-6D	"	1235	"	7			"	"													"	
8. MW-6S	"	1326	"	8			"	"													"	
9. Dup-1	"		"	9			"	"													"	
10. MW-8S	9/7/17	1111	"	10			"	"													"	

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 9/7/17, 1130
   Received By: Trent Tollen, ALS, 9/8/17, 1130
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

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

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

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

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

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1709004

Date 9/7/17 Page 2 Of 2

PROJECT ID: 43701
REPORT TO COMPANY: Environmental Partners Inc.
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple St.
Issaquah, WA 98027
PHONE: 425-395-0010 FAX:
P.O. #: E-MAIL:
INVOICE TO COMPANY: EPI
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-18D	9/7/17	0956	Water	11			X	X																							2	
2. MW-26D	↓	1032	↓	12			↓	↓																							↓	
3.																																
4.																																
5.																																
6.																																
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 9/7/17 1130
   Received By: Trent Tollen, ALS, 9/8/17, 1130
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

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

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

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

September 21, 2017

Mr. Josh Bernthal
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

Dear Mr. Bernthal,

On September 19th, 4 samples were received by our laboratory and assigned our laboratory project number EV17090108. The project was identified as your 43701. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	9/21/2017 EV17090108 EV17090108-01
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/19/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/14/2017 11:50:00 AM
CLIENT SAMPLE ID	MW-39:5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/20/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/20/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/20/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/20/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/20/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**90.8**	09/20/2017	SNC
TFT	EPA-8021	**92.4**	09/20/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	9/21/2017 EV17090108 EV17090108-03
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/19/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/15/2017 9:15:00 AM
CLIENT SAMPLE ID	MW-20S:15	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/20/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/20/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/20/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/20/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/20/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**148**	09/20/2017	SNC
TFT	EPA-8021	**148**	09/20/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/21/2017
		ALS SDG#:	EV17090108
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY BLANK RESULTS

MBG-091517S2 - Batch 120146 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	09/15/2017	SNC

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

MB-091517S2 - Batch 120146 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	09/15/2017	SNC
Toluene	EPA-8021	U	MG/KG	0.050	09/15/2017	SNC
Ethylbenzene	EPA-8021	U	MG/KG	0.050	09/15/2017	SNC
Xylenes	EPA-8021	U	MG/KG	0.20	09/15/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/21/2017
		ALS SDG#:	EV17090108
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 120146 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**110**			66.5	122.7	09/15/2017	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**102**	**7**		66.5	122.7	09/16/2017	SNC

ALS Test Batch ID: 120146 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**106**			67.7	124	09/15/2017	SNC
Benzene - BSD	EPA-8021	**104**	**2**		67.7	124	09/15/2017	SNC
Toluene - BS	EPA-8021	**107**			71	123	09/15/2017	SNC
Toluene - BSD	EPA-8021	**104**	**3**		71	123	09/15/2017	SNC
Ethylbenzene - BS	EPA-8021	**107**			69.8	117	09/15/2017	SNC
Ethylbenzene - BSD	EPA-8021	**104**	**3**		69.8	117	09/15/2017	SNC
Xylenes - BS	EPA-8021	**109**			70	119	09/15/2017	SNC
Xylenes - BSD	EPA-8021	**106**	**3**		70	119	09/15/2017	SNC

APPROVED BY

Laboratory Director

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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1709010S

Date 09/19/17 Page 1 Of 1

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: JOSH BERNTHAL
ADDRESS: 1180 NW MAPLE ST. SUITE 310
PHONE: (425) 395-0010 FAX:
P.O. #: E-MAIL: JOSHB@EPI-WA.COM
INVOICE TO COMPANY: EPI
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-39:5	09/14/17	1150	SOIL	1			X		X																						6	
2. MW-39:32	09/14/17	1330	↓	2			[illegible]																								6	
3. MW-205:15	09/15/17	915	↓	3			X		X																						6	
4. MW-205:30	09/15/17	1025	↓	4																											6	
5.																																
6.																																
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS: ARCHIVE MW-39:32 and MW-205:30; SAMPLES FROZEN UPON COLLECTION

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [signature] EPI, 09/19/17
   Received By: Trent Tollen, ALS, 9/19/17, 0945
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

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

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

OTHER: Specify: _____

*Turnaround request less than standard may incur Rush Charges

September 29, 2017

Mr. Josh Bernthal
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

Dear Mr. Bernthal,

On September 27th, 2 samples were received by our laboratory and assigned our laboratory project number EV17090195. The project was identified as your 43701. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	9/29/2017 EV17090195 EV17090195-01
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/27/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/25/2017 10:55:00 AM
CLIENT SAMPLE ID	MW-20S	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/28/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/28/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/28/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/28/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/28/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**111**	09/28/2017	SNC
TFT	EPA-8021	**104**	09/28/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	9/29/2017 EV17090195 EV17090195-02
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	09/27/2017
CLIENT PROJECT:	43701	COLLECTION DATE:	9/25/2017 11:35:00 AM
CLIENT SAMPLE ID	MW-39	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/28/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/28/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/28/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/28/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/28/2017	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**109**	09/28/2017	SNC
TFT	EPA-8021	**101**	09/28/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/29/2017
		ALS SDG#:	EV17090195
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY BLANK RESULTS

MBG-092617W3 - Batch 120424 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	09/26/2017	SNC

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

MB-092617W3 - Batch 120424 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	09/26/2017	SNC
Toluene	EPA-8021	U	UG/L	1.0	09/26/2017	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	09/26/2017	SNC
Xylenes	EPA-8021	U	UG/L	3.0	09/26/2017	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	9/29/2017
		ALS SDG#:	EV17090195
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Josh Bernthal		
CLIENT PROJECT:	43701		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 120424 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**109**			66.5	122.7	09/26/2017	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**108**	**1**		66.5	122.7	09/26/2017	SNC

ALS Test Batch ID: 120424 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**103**			83	120	09/26/2017	SNC
Benzene - BSD	EPA-8021	**104**	**0**		83	120	09/26/2017	SNC
Toluene - BS	EPA-8021	**103**			85	115	09/26/2017	SNC
Toluene - BSD	EPA-8021	**103**	**0**		85	115	09/26/2017	SNC
Ethylbenzene - BS	EPA-8021	**111**			85	113	09/26/2017	SNC
Ethylbenzene - BSD	EPA-8021	**112**	**1**		85	113	09/26/2017	SNC
Xylenes - BS	EPA-8021	**114**			85	116	09/26/2017	SNC
Xylenes - BSD	EPA-8021	**114**	**1**		85	116	09/26/2017	SNC

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1709019 5

Date 9/25/17 Page 1 Of 1

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple St.
Issaquah, WA
PHONE: 425-395-0010 FAX:
P.O. #: E-MAIL: joshb@epi-wa.com
INVOICE TO COMPANY: As above
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-20s	9/25/17	1055	Water	1			X		X																						3	
2. MW-39	9/25/17	1135	Water	2			X		X																						3	
3.																																
4.																																
5.																																
6.																																
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 9/27/17, 1238
   Received By: Trent Tollen, ALS, 9/27/17, 1238
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

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

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

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

January 10, 2018

Mr. Josh Bernthal
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

Dear Mr. Bernthal,

On January 4th, 38 samples were received by our laboratory and assigned our laboratory project number EV18010018. The project was identified as your 43701. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-01
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 7:04:00 AM
CLIENT SAMPLE ID	MW-21	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/06/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**93.6**	01/06/2018	SNC
TFT	EPA-8021	**93.5**	01/06/2018	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-02
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 7:50:00 AM
CLIENT SAMPLE ID	MW-20d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**94.4**	01/05/2018	SNC
TFT	EPA-8021	**99.8**	01/05/2018	SNC

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

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-03
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 7:55:00 AM
CLIENT SAMPLE ID	MW-20s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**93.9**	01/05/2018	SNC
TFT	EPA-8021	**99.3**	01/05/2018	SNC

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

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ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-04
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 8:25:00 AM
CLIENT SAMPLE ID	MW-29	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**95.3**	01/05/2018	SNC
TFT	EPA-8021	**99.0**	01/05/2018	SNC

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CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-05
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 8:55:00 AM
CLIENT SAMPLE ID	MW-28	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**101**	01/05/2018	SNC
TFT	EPA-8021	**99.7**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-06
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 9:21:00 AM
CLIENT SAMPLE ID	MW-23	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**98.7**	01/05/2018	SNC
TFT	EPA-8021	**96.8**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-07
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 9:49:00 AM
CLIENT SAMPLE ID	MW-17	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**91.9**	01/05/2018	SNC
TFT	EPA-8021	**95.5**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-08
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 10:21:00 AM
CLIENT SAMPLE ID	MW-14	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**94.4**	01/05/2018	SNC
TFT	EPA-8021	**99.9**	01/05/2018	SNC

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CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-09
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 10:51:00 AM
CLIENT SAMPLE ID	MW-15	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**100**	01/05/2018	SNC
TFT	EPA-8021	**102**	01/05/2018	SNC

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CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-10
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 11:24:00 AM
CLIENT SAMPLE ID	MW-39	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**95.2**	01/05/2018	SNC
TFT	EPA-8021	**96.6**	01/05/2018	SNC

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CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-11
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 11:30:00 AM
CLIENT SAMPLE ID	MW-24	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**96.9**	01/05/2018	SNC
TFT	EPA-8021	**98.5**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-12
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 11:59:00 AM
CLIENT SAMPLE ID	MW-36	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**93.5**	01/05/2018	SNC
TFT	EPA-8021	**95.3**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-13
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 12:27:00 PM
CLIENT SAMPLE ID	MW-22	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**96.3**	01/05/2018	SNC
TFT	EPA-8021	**96.4**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-14
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017 12:48:00 PM
CLIENT SAMPLE ID	MW-11s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**95.0**	01/05/2018	SNC
TFT	EPA-8021	**94.6**	01/05/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-15
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/28/2017
CLIENT SAMPLE ID	DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**92.0**	01/05/2018	SNC
TFT	EPA-8021	**95.7**	01/05/2018	SNC

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CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-16
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 7:25:00 AM
CLIENT SAMPLE ID	MW-25	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/06/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**90.5**	01/06/2018	SNC
TFT	EPA-8021	**92.4**	01/06/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-17
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 7:50:00 AM
CLIENT SAMPLE ID	MW-35	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/06/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**93.2**	01/06/2018	SNC
TFT	EPA-8021	**95.8**	01/06/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-18
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 8:24:00 AM
CLIENT SAMPLE ID	MW-33d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/06/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**91.5**	01/06/2018	SNC
TFT	EPA-8021	**93.7**	01/06/2018	SNC

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-19
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 8:31:00 AM
CLIENT SAMPLE ID	MW-33s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/06/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**90.7**	01/06/2018	SNC
TFT	EPA-8021	**92.0**	01/06/2018	SNC

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CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-20
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 9:04:00 AM
CLIENT SAMPLE ID	MW-30d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/06/2018	SNC
Benzene	EPA-8021	**9.1**	1.0	1	UG/L	01/06/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**93.8**	01/06/2018	SNC
TFT	EPA-8021	**92.0**	01/06/2018	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-21
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 9:11:00 AM
CLIENT SAMPLE ID	MW-30s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**10000**	500	10	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**19**	10	10	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**110**	10	10	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**30**	10	10	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**1200**	30	10	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	**115**	01/08/2018	SNC
TFT 10X Dilution	EPA-8021	**113**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-22
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 9:55:00 AM
CLIENT SAMPLE ID	MW-6s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**90000**	2500	50	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**260**	50	50	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**3900**	50	50	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**1100**	50	50	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**12000**	150	50	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**107**	01/08/2018	SNC
TFT 50X Dilution	EPA-8021	**107**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-23
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 10:37:00 AM
CLIENT SAMPLE ID	RW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**35000**	1000	20	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**2100**	50	50	UG/L	01/09/2018	SNC
Toluene	EPA-8021	**4800**	50	50	UG/L	01/09/2018	SNC
Ethylbenzene	EPA-8021	**350**	50	50	UG/L	01/09/2018	SNC
Xylenes	EPA-8021	**2700**	150	50	UG/L	01/09/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	**114**	01/08/2018	SNC
TFT 50X Dilution	EPA-8021	**114**	01/09/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-24
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 11:14:00 AM
CLIENT SAMPLE ID	MW-16d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**8900**	250	5	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**1200**	10	10	UG/L	01/09/2018	SNC
Toluene	EPA-8021	**230**	10	10	UG/L	01/09/2018	SNC
Ethylbenzene	EPA-8021	**550**	10	10	UG/L	01/09/2018	SNC
Xylenes	EPA-8021	**790**	30	10	UG/L	01/09/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**123**	01/08/2018	SNC
TFT 10X Dilution	EPA-8021	**110**	01/09/2018	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-25
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 11:18:00 AM
CLIENT SAMPLE ID	MW-16s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/08/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/08/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**105**	01/08/2018	SNC
TFT	EPA-8021	**104**	01/08/2018	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-26
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 12:01:00 PM
CLIENT SAMPLE ID	MW-31s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**102**	01/05/2018	SNC
TFT	EPA-8021	**101**	01/05/2018	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-27
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 12:03:00 PM
CLIENT SAMPLE ID	MW-31d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**180**	50	1	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**120**	1.0	1	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**9.0**	1.0	1	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**16**	1.0	1	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**7.1**	3.0	1	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**107**	01/08/2018	SNC
TFT	EPA-8021	**105**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-28
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 12:42:00 PM
CLIENT SAMPLE ID	MW-8s	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**1600**	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	**75**	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	**7.3**	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	**110**	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	**43**	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**123**	01/05/2018	SNC
TFT	EPA-8021	**128**	01/05/2018	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-29
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017 12:44:00 PM
CLIENT SAMPLE ID	MW-8d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**480**	50	1	UG/L	01/05/2018	SNC
Benzene	EPA-8021	**73**	1.0	1	UG/L	01/05/2018	SNC
Toluene	EPA-8021	**13**	1.0	1	UG/L	01/05/2018	SNC
Ethylbenzene	EPA-8021	**1.9**	1.0	1	UG/L	01/05/2018	SNC
Xylenes	EPA-8021	**34**	3.0	1	UG/L	01/05/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**119**	01/05/2018	SNC
TFT	EPA-8021	**126**	01/05/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-30
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	12/29/2017
CLIENT SAMPLE ID	DUP-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**87000**	2500	50	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**250**	50	50	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**3800**	50	50	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**1100**	50	50	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**12000**	150	50	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**106**	01/08/2018	SNC
TFT 50X Dilution	EPA-8021	**106**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-31
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 7:42:00 AM
CLIENT SAMPLE ID	MW-27	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**41000**	2500	50	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**310**	50	50	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**460**	50	50	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**350**	50	50	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**5300**	150	50	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**112**	01/08/2018	SNC
TFT 50X Dilution	EPA-8021	**107**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-32
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 8:23:00 AM
CLIENT SAMPLE ID	MW-6d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**15000**	500	10	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**11000**	100	100	UG/L	01/09/2018	SNC
Toluene	EPA-8021	**1400**	100	100	UG/L	01/09/2018	SNC
Ethylbenzene	EPA-8021	**490**	100	100	UG/L	01/09/2018	SNC
Xylenes	EPA-8021	**1700**	300	100	UG/L	01/09/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	**134**	01/08/2018	SNC
TFT 100X Dilution	EPA-8021	**113**	01/09/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-33
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 8:58:00 AM
CLIENT SAMPLE ID	MW-18d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**160000**	5000	100	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**26000**	200	200	UG/L	01/09/2018	SNC
Toluene	EPA-8021	**25000**	200	200	UG/L	01/09/2018	SNC
Ethylbenzene	EPA-8021	**2000**	200	200	UG/L	01/09/2018	SNC
Xylenes	EPA-8021	**10000**	600	200	UG/L	01/09/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	**118**	01/08/2018	SNC
TFT 200X Dilution	EPA-8021	**111**	01/09/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-34
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 9:25:00 AM
CLIENT SAMPLE ID	MW-38	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**65000**	2500	50	UG/L	01/06/2018	SNC
Benzene	EPA-8021	**1100**	50	50	UG/L	01/06/2018	SNC
Toluene	EPA-8021	**4400**	50	50	UG/L	01/06/2018	SNC
Ethylbenzene	EPA-8021	**880**	50	50	UG/L	01/06/2018	SNC
Xylenes	EPA-8021	**7700**	150	50	UG/L	01/06/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**105**	01/06/2018	SNC
TFT 50X Dilution	EPA-8021	**107**	01/06/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-35
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 9:55:00 AM
CLIENT SAMPLE ID	MW-19	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**7200**	250	5	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**190**	5.0	5	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**670**	5.0	5	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**69**	5.0	5	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**740**	15	5	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**132**	01/08/2018	SNC
TFT 5X Dilution	EPA-8021	**131**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-36
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 10:26:00 AM
CLIENT SAMPLE ID	MW-34	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**12000**	500	10	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**1300**	10	10	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**1000**	10	10	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**350**	10	10	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**1100**	30	10	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	**120**	01/08/2018	SNC
TFT 10X Dilution	EPA-8021	**115**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE:	1/10/2018
		ALS JOB#:	EV18010018
		ALS SAMPLE#:	EV18010018-37
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018 11:17:00 AM
CLIENT SAMPLE ID	MW-26d	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**150000**	10000	200	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**45000**	400	400	UG/L	01/09/2018	SNC
Toluene	EPA-8021	**23000**	400	400	UG/L	01/09/2018	SNC
Ethylbenzene	EPA-8021	**2300**	400	400	UG/L	01/09/2018	SNC
Xylenes	EPA-8021	**10000**	1200	400	UG/L	01/09/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 200X Dilution	NWTPH-GX	**113**	01/08/2018	SNC
TFT 400X Dilution	EPA-8021	**113**	01/09/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
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CERTIFICATE OF ANALYSIS

CLIENT:	Environmental Partners, Inc. 1180 NW Maple St, Suite 310 Issaquah, WA 98027	DATE: ALS JOB#: ALS SAMPLE#:	1/10/2018 EV18010018 EV18010018-38
CLIENT CONTACT:	Josh Bernthal	DATE RECEIVED:	01/04/2018
CLIENT PROJECT:	43701	COLLECTION DATE:	1/3/2018
CLIENT SAMPLE ID	DUP-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**60000**	2500	50	UG/L	01/08/2018	SNC
Benzene	EPA-8021	**1000**	50	50	UG/L	01/08/2018	SNC
Toluene	EPA-8021	**4000**	50	50	UG/L	01/08/2018	SNC
Ethylbenzene	EPA-8021	**790**	50	50	UG/L	01/08/2018	SNC
Xylenes	EPA-8021	**7000**	150	50	UG/L	01/08/2018	SNC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	**107**	01/08/2018	SNC
TFT 50X Dilution	EPA-8021	**105**	01/08/2018	SNC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT: Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027
CLIENT CONTACT: Josh Bernthal
CLIENT PROJECT: 43701

DATE: 1/10/2018
ALS SDG#: EV18010018
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBG-010518W - Batch 124060 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	01/05/2018	SNC

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

MBG-010518W2 - Batch 124062 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	01/05/2018	SNC

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

MB-010518W - Batch 124060 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	01/05/2018	SNC
Toluene	EPA-8021	U	UG/L	1.0	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	01/05/2018	SNC
Xylenes	EPA-8021	U	UG/L	3.0	01/05/2018	SNC

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

MB-010518W2 - Batch 124062 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	01/05/2018	SNC
Toluene	EPA-8021	U	UG/L	1.0	01/05/2018	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	01/05/2018	SNC
Xylenes	EPA-8021	U	UG/L	3.0	01/05/2018	SNC

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

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CERTIFICATE OF ANALYSIS

CLIENT: Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027
CLIENT CONTACT: Josh Bernthal
CLIENT PROJECT: 43701

DATE: 1/10/2018
ALS SDG#: EV18010018
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 124060 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**70.9**			66.5	122.7	01/05/2018	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**74.9**	**5**		66.5	122.7	01/05/2018	SNC

ALS Test Batch ID: 124062 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**85.6**			66.5	122.7	01/05/2018	SNC
TPH-Volatile Range - BSD	NWTPH-GX	**90.5**	**6**		66.5	122.7	01/05/2018	SNC

ALS Test Batch ID: 124060 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**103**			83	120	01/05/2018	SNC
Benzene - BSD	EPA-8021	**105**	**2**		83	120	01/05/2018	SNC
Toluene - BS	EPA-8021	**102**			85	115	01/05/2018	SNC
Toluene - BSD	EPA-8021	**104**	**2**		85	115	01/05/2018	SNC
Ethylbenzene - BS	EPA-8021	**102**			85	113	01/05/2018	SNC
Ethylbenzene - BSD	EPA-8021	**105**	**2**		85	113	01/05/2018	SNC
Xylenes - BS	EPA-8021	**101**			85	116	01/05/2018	SNC
Xylenes - BSD	EPA-8021	**104**	**3**		85	116	01/05/2018	SNC

ALS Test Batch ID: 124062 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**104**			83	120	01/05/2018	SNC
Benzene - BSD	EPA-8021	**106**	**2**		83	120	01/05/2018	SNC
Toluene - BS	EPA-8021	**102**			85	115	01/05/2018	SNC
Toluene - BSD	EPA-8021	**104**	**2**		85	115	01/05/2018	SNC
Ethylbenzene - BS	EPA-8021	**103**			85	113	01/05/2018	SNC
Ethylbenzene - BSD	EPA-8021	**105**	**2**		85	113	01/05/2018	SNC
Xylenes - BS	EPA-8021	**103**			85	116	01/05/2018	SNC
Xylenes - BSD	EPA-8021	**105**	**2**		85	116	01/05/2018	SNC

APPROVED BY

Laboratory Director

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Everett, WA 98208
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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV1801018

Date 12/28/17 Page 1 Of 4

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple st ste 310
Issaquah, Wa, 98027
PHONE: 425-395-0010 P.O. #:
E-MAIL: Joshb@epi-wa.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☒	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-21	12/28/17	704	Water	1			X	X																						2	
2. MW-20d		750		2			X	X																						2	
3. MW-20s		755		3			X	X																						2	
4. MW-29		825		4			X	X																						2	
5. MW-28		855		5			X	X																						2	
6. MW-23		921		6			X	X																						2	
7. MW-17		949		7			X	X																						2	
8. MW-14		1021		8			X	X																						2	
9. MW-15		1051		9			X	X																						2	
10. MW-39	↓	1124	↓	10			X	X																						2	

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI, 12/28/17 11:58
Received By: ALS 12/28/17 11:58
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

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

Fuels & Hydrocarbon Analysis: (5 Standard) 3 1 SAME DAY

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

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

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1801 0018

Date 12/28/17 Page 2 Of 4

PROJECT ID: ~~428~~ 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple st ste 310
Issaquah, Wa, 98027
PHONE: 425-395-0010 P.O. #:
E-MAIL: JoshB@epi-wa.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☒	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-24	12/28/17	1130	Water	11			X	X																							2	
2. MW-36		1159		12			X	X																							2	
3. MW-22		1227		13			X	X																							2	
4. MW-11s		1248		14			X	X																							2	
5. Dup-1				15			X	X																							2	
6. MW-25	12/29/17	0725	Water	16			X	X																							2	
7. MW-35		0750		17			X	X																							2	
8. MW-33d		0824		18			X	X																							2	
9. MW-33s		0831		19			X	X																							2	
10. MW-30d		0904		20			X	X																							2	

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 1/4/18 11:58
Received By: ALS 1/4/18 11:58
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

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

Fuels & Hydrocarbon Analysis: (5 Standard) 3 1 SAME DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

ALS Environmental
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Everett, WA 98208
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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1801018

Date 12/29/17 Page 3 Of 4

PROJECT ID: 64001
REPORT TO COMPANY: Environmental Partners Inc.
PROJECT MANAGER: Josh Bernthal
ADDRESS: 1180 NW Maple St.
Issaquah, WA 98027
PHONE: 425-395-0016 P.O. #: 43701
E-MAIL: joshb@epi-nw.com
INVOICE TO COMPANY: EPI
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☒	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-30s	12/29/17	0911	Water	21			X	X																							2	
2. MW-6s		0955		22			X	X																							2	
3. RW-2		1037		23			X	X																							2	
4. MW-16d		1114		24			X	X																							2	
5. MW-16s		1118		25			X	X																							2	
6. MW-31s		1201		26			X	X																							2	
7. MW-31d		1203		27			X	X																							2	
8. MW-8s		1242		28			X	X																							2	
9. MW-8d		1244		29			X	X																							2	
10. Dup-2				30			X	X																							2	

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 1/4/18 11:58
   Received By: ALS 1/4/18 11:58
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

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

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

OTHER: Specify: _____

*Turnaround request less than standard may incur Rush Charges

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

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1801018

Date 1/3/18 Page 4 Of 4

PROJECT ID: 43701
REPORT TO COMPANY: EPI
PROJECT MANAGER: Josh Bernhardt
ADDRESS: 1180 NW Maple St
Issaquah, WA
PHONE: 425-395-0010 P.O. #:
E-MAIL: josh.b@epi-wa.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 X / BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ / MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ / Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-27	1/3/18	742	Water	31			X	X												2	
2. MW-6d		823		32			X	X												2	
3. MW-18d		858		33			X	X												2	
4. MW-38		925		34			X	X												2	
5. MW-19		955		35			X	X												2	
6. MW-34		1026		36			X	X												2	
7. MW-26d		1117		37			X	X												2	
8. Dup-3				38			X	X												2	
9.																					
10.																					

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: EPI 1/4/18 11:58
   Received By: ALS 1/4/18 11:58
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

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

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

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges