SoundEarth Strategies, Inc.
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Date: August 22, 2012

GROUNDWATER MONITORING REPORT
First Quarter 2012

TOC Holdings Co.
Facility No. 01-176
Mountlake Terrace, Washington

Property Address:	24205 56th Avenue West, Mountlake Terrace, Washington
Client Contact:	Mark Chandler, Vice President of Environmental Services
Client Work Order/Purchase Order:	WOR1176SES18
Primary Regulatory Agency/ID:	Washington Department of Ecology Site ID #6885/Agreed Order #DE8661
Project Number:	0440-030
Project Manager:	Deborah Gardner, LG #1243
Frequency of Groundwater Sampling:	Quarterly (Comprehensive First Quarter, Otherwise Limited)
Property Owner/Land Use	Vacant/Romio's Pizza/Getaway Spirits Tavern
Off-Property Land Use	Commercial/Residential

SoundEarth Strategies, Inc. (SoundEarth) prepared this report to present the results of the First Quarter 2012 groundwater monitoring event (monitoring event) conducted at TOC Holdings Co. Facility No. 01-176 located at 24205 56th Avenue West in Mountlake Terrace, Washington (the TOC Property). The TOC Property location is shown on Figures 1 and 2.

A petroleum hydrocarbon plume has migrated west and south off the TOC Property to the 56th Avenue West right-of-way (ROW), the private property located at 24225 56th Avenue West (TOC/Farmasonis Property), and the private property located at 24309 56th Avenue West (Drake Property). The TOC Property, TOC/Farmasonis Property, Drake Property, and portions of the 56th Avenue ROW are collectively referred to as the Interim Remedial Action Project Area, as defined in the Interim Remedial Action Work Plan (IRAWP) attached to Agreed Order #DE8661. The monitoring well network employed for this monitoring event extends as far south as the private property located at 24325 56th Avenue West (Shin/Choi Property). Per the IRAWP, the monitoring wells located at the Shin/Choi Property were not included in the scope of groundwater monitoring.

Time Oil Co. (currently TOC Holdings Co.) formerly operated a retail gasoline station on the TOC Property, which is currently vacant. One 8,000-gallon and two 6,000-gallon underground storage tanks (USTs) were removed from the TOC Property in 1991 (ES&E 1992). A dual-phase extraction remediation system (former DPE system) was installed at the TOC Property in 1996 and operated until October 2004 (Landau 2005). Since August 2005, SoundEarth has conducted groundwater monitoring and resumed

remedial investigations to the south and west of the TOC Property, as well as designed remediation system upgrades and expansion. Currently, three in situ groundwater monitoring systems are under construction at the TOC Property, TOC/Farmasonis Property, and Drake Property. The remediation systems are slated for startup as early as August 2012.

In 2006, SoundEarth confirmed that gasoline contamination extends off the TOC Property to the south and west, and identified at least three separate water-bearing zones at the TOC Property: the Shallow Zone, the Intermediate Zone, and the Deep Zone (Figures 3, 4, 5.1, 5.2, and 5.3).

Shallow Zone

The Shallow Zone occurs within 20 feet of the ground surface, perched within glacial till. The primary source of recharge to the Shallow Zone is natural precipitation that infiltrates pervious land surfaces. Other potential sources of recharge to the Shallow Zone include a topographic closed depression where surface runoff ponds and a former stormwater infiltration pit, both of which are located in the southeast portion of the TOC Property. According to a TOC Holdings Co. blueprint drawing, the stormwater infiltration pit measured 10 feet square by 4 feet deep and was backfilled with coarse gravel (Time Oil Co. 1975). Surface runoff intercepted by a catch basin located near the southeast corner of the paved parking area formerly discharged into the stormwater infiltration pit via a 6-inch-diameter drain pipe, which has been capped. The locations of the southern catch basin and former stormwater infiltration pit at the TOC Property are shown on Figures 3, 5.1, 5.2, and 5.1. Monitoring wells MW02 through MW06, MW12, MW19, MW34, MW54, MW61, MW62, MW67, MW68, and MW79 are screened within the Shallow Zone (Figures 3 and 5.1).

Intermediate Zone

The Intermediate Zone is situated at depths of approximately 20 to 60 feet below ground surface (bgs), and is perched within glacial till soils consisting of poorly sorted, ice-laid silty sand with varying amounts of gravel. The Intermediate Zone is the primary zone of contaminant transport at the Interim Remedial Action Project Area. The stratigraphy of the Intermediate Zone includes water-laid silty sands with varying amounts of gravel. The Intermediate Zone appears to receive recharge from artificial sources in the proximity of natural and/or artificial pathways, in addition to natural precipitation. The primary source of artificial recharge appears to be Shallow Zone groundwater accumulations within the backfill of the former UST cavity. Monitoring wells MW09 through MW11, MW13, MW15, MW16, MW18, MW20 through MW25, MW28, MW31 through MW33, MW35, MW36, MW41 through MW53, MW55 through MW60, MW63, MW65, MW66, MW69, MW70, MW75 through MW77, MW81, MW84 through MW87, MW89 through MW99, and MW101 are screened in the Intermediate Zone (Figures 3 and 5.2).

Monitoring wells MW80, MW82, MW88, and MW100 are screened in the upper Intermediate Zone, between the approximate depths of 20 and 30 feet bgs. The screened intervals for monitoring wells MW08, MW24, MW27, MW29, MW37, and MW38 are shallower than 20 feet bgs, potentially intersecting both the Shallow and Intermediate Zones; data obtained from those monitoring wells may be qualified accordingly.

Deep Zone

The Deep Zone is a semi-confined aquifer situated within glacial advance sand and gravel, at depths of more than 60 feet bgs. The term "semi-confined" describes an aquifer that is trapped beneath a stratigraphic confining layer that prevents groundwater from equilibrating with atmospheric pressure. Groundwater within a semi-confined aquifer can equilibrate with atmospheric pressure inside a properly constructed well. Deep Zone groundwater equilibrates at an elevation higher than the bottom of the glacial till deposit, while Intermediate Zone groundwater drops relatively unconfined toward the bottom of the glacial till deposit. South of the TOC Property, Intermediate Zone groundwater descends through the glacial till to an elevation deeper than the elevation at which the Deep Zone equilibrates with atmospheric pressure. Under those circumstances, the Deep Zone gives the appearance of being approximately 2.3 to 2.8 feet shallower than the Intermediate Zone, maintaining an upward vertical gradient between the two zones. An elevation view illustrating the spatial relationships between the three water-bearing zones is included as Figure 4. Monitoring wells MW26, MW30, MW39, MW40, MW64, and MW78 are screened in the Deep Zone (Figures 3 and 5.3).

Of the 101 monitoring wells that have been installed at the Interim Remedial Action Project Area and the Shin/Choi Property, 5 have been decommissioned. Monitoring wells MW01, MW07, MW14, MW17, and MW83 were decommissioned by a licensed well driller in accordance with *Minimum Standards for Construction and Maintenance of Wells*, Chapter 173-160 of the Washington Administrative Code, by overdrilling and removing the well casing. Monitoring well MW01, located on the TOC Property, was decommissioned on October 2, 2009, immediately upon the discovery that its surface seal had been removed in 1996 during the installation of the former DPE system and that it was situated in an area where surface water ponded seasonally. Monitoring wells MW07, MW14, and MW17, located beyond the TOC Property boundaries, were decommissioned on November 29, 2004, in accordance with an agreement between Time Oil Co. and the neighboring property owner (Landau 2005). Well MW83, also located beyond the TOC Property boundaries, was damaged during autumn 2011, decommissioned on November 21, 2011, and replaced with well MW100 on November 22, 2012.

The monitoring event was conducted on March 5 through 9, 2012, to evaluate the environmental quality, flow direction, and gradient of groundwater beneath the Interim Remedial Action Project Area and to eventually demonstrate compliance with MTCA cleanup regulations. This report presents field activities performed during the monitoring event, laboratory analytical results, and a description of upcoming work. In the preparation of Figures 2 through 7.2, which are attached to this report, SoundEarth referenced one or more of the following sources of information: as-built utility maps (City of Mountlake Terrace 2005), Herman Short Plat No. 106 (Reisdorff 1985), Snohomish County Assessor maps (Snohomish County Assessor's Office 2009, facility drawings (Time Oil Company [sic] 1975), maps prepared by previous consultants (Landau 2005), and recent aerial photographs (USGS 2002). The base map for Figures 2 through 7.2 was prepared in 2012 by Axis Survey & Mapping, professional land surveyors of Kirkland, Washington.

The monitoring event included measuring depth to groundwater and collecting groundwater samples from wells MW02 through MW06, MW08 through MW13, MW15, MW16, MW18 through MW20, MW23, MW24, MW26, MW27, MW29 through MW70, MW75 through MW82, and MW84 through MW101. Monitoring wells MW21, MW22, MW25, and MW28 were inaccessible due to construction

activities (Figure 3). The scope of work included collection and analysis of 73 groundwater samples and 7 quality assurance/quality control (QA/QC) samples, and analysis of one trip blank.

This report presents a description of field activities performed during the monitoring event, laboratory analytical results, and a description of upcoming work. First Quarter 2012 groundwater elevations and sample analytical results are summarized on Table 1. Historical groundwater elevations and sample analytical results from June 1992 through March 2012 are presented in Table 2. Fuel additive analytical results from September 2005 through March 2012 are presented on Table 3. The results of First Quarter 2012 QA/QC sample analysis are presented on Table 4.

FIELD ACTIVITIES

Upon arrival at the Interim Remedial Action Project Area on March 5, 2012, SoundEarth personnel opened the existing monitoring wells. Water levels were permitted to equilibrate with atmospheric pressure prior to recording depth-to-liquid-level measurements on March 5 and 6, 2012. SoundEarth measured and recorded groundwater levels relative to the top of well casing to an accuracy of 0.01 feet using an electronic water level meter or an oil/water interface probe. SoundEarth personnel recorded the depth to liquid level in monitoring well MW24 using each of the water level meters and interface probes used during the monitoring event. The depth-to-liquid-level measurements shown on Table 2 have been corrected for differences between instruments based on the measurements recorded for monitoring well MW24 (maximum 0.09 feet). Whenever separate-phase hydrocarbons (LNAPL) were encountered, SoundEarth used an interface probe to measure the depth to LNAPL and the depth to groundwater.

LNAPL depresses the groundwater table as a function of specific gravity. In cases where LNAPL conditions were documented, the groundwater elevations shown on Table 2 were calculated using the following equation, which assumes a specific density of 0.8 for LNAPL relative to 1.0 for water:

$$Groundwater\ Elevation = [(H_{TOC} - H_W) * 1.0] + [(H_W - H_{LNAPL}) * 0.8]$$

where H_{TOC} is the top of casing elevation, H_W is the measured depth to groundwater below the top of casing, and H_{LNAPL} is the measured depth to LNAPL below the top of casing.

Peristaltic pumps are the default, low-flow sample collection method at the Interim Remedial Action Project Area, but are ineffective for collection of samples deeper than approximately 31 feet. Because depths to groundwater exceed 31 feet in over half of the monitoring wells at the Interim Remedial Action Project Area, SoundEarth considered the advantages and disadvantages of the following sampling methods:

- Peristaltic pumps and dedicated tubing collect representative low turbidity samples, pose the least risk of sample cross-contamination, and meet the criteria for low-flow protocols (EPA 1996) but are limited to collection of samples shallower than approximately 31 feet.
- Disposable bailers are not depth-limited and do not pose any greater risk of cross-contamination than peristaltic pumps but retrieve turbid samples and potentially volatilize petroleum hydrocarbons, resulting in overstated or understated petroleum hydrocarbon concentrations compared to samples collected in accordance with low-flow protocols.

- Bladder pumps and submersible pumps are not depth-limited and retrieve representative low turbidity samples but pose risks for sample cross-contamination because each sample contacts the interior of the pump, requiring extensive decontamination between samples.
- The use of submersible pumps to collect groundwater samples from the Intermediate Zone is precluded by insufficient groundwater recharge rates, insufficient water column heights, and/or the potential to entrain pump-damaging levels of turbidity. Submersible pumps are feasible for sampling Deep Zone monitoring wells, but so are bailers and bladder pumps. Furthermore, historical analytical results indicated that purging and sampling Deep Zone monitoring wells by bailer method would be protective of the project data quality objectives.

Therefore, SoundEarth decided to restrict the number of sampling methods to three (peristaltic pump, bladder pump, and bailer) and elected not to use a fourth sampling method (submersible pumps).

On March 6 through 9, 2012, SoundEarth collected groundwater samples from each of the wells in accordance with the following methods, protocols, and rationale:

- In general, whenever depths to groundwater were shallower than approximately 31 feet bgs, SoundEarth collected groundwater samples in accordance with low-flow protocols using a peristaltic pump (monitoring wells MW02 through MW06, MW08 through MW10, MW12, MW18, MW19, MW20, MW24, MW27, MW29, MW32, MW34, MW37, MW38, MW54, MW61, MW62, MW67, MW68, MW79, MW80, MW82, and MW88). One Upper Intermediate Zone monitoring well with groundwater shallower than 31 feet bgs was sampled using a disposable polyethylene bailer (monitoring well MW100).
- In wells where depths to groundwater exceeded approximately 31 feet bgs, SoundEarth collected samples using bottom-loading bladder pumps in accordance with low-flow protocols (monitoring wells MW49, MW55, MW56, MW58 through MW60, MW63, MW65, MW66, MW75, and MW89), or disposable polyethylene bailers under the following circumstances:
  - Historical analytical results indicated that elevated turbidity associated with bailing likely would not result in detectable concentrations of petroleum hydrocarbons in groundwater samples (monitoring wells MW26, MW30, MW36, MW39, MW40, MW50, MW51, MW53, MW64, MW76, MW77, MW78, MW81, and MW87).
  - For collection of groundwater samples from wells that had been converted for impending use as remediation wells, and where LNAPL was not encountered (monitoring wells MW15, MW31, MW57, MW69, MW70, MW91 through MW99, and MW101).
  - Historical analytical results exceeded their respective cleanup levels to an extent that sampling method would have no bearing on the status of contamination or interpretation of the extent of contamination in groundwater collected from monitoring well MW48.
- In order to evaluate the effects of sample method on data quality, SoundEarth collected one sample and three QA/QC samples from monitoring well MW09 in the following order: (1) peristaltic pump, (2) blind field duplicate by peristaltic pump, (3) method duplicate by bladder pump, and (4) method duplicate by bailer. SoundEarth collected field duplicate samples from monitoring wells MW20, MW81, and MW86 using a peristaltic pump, bailer, and bladder pump, respectively. SoundEarth also collected a sample and QA/QC sample from monitoring well

MW49 using a bladder pump and bailer, respectively. The results of method duplicate sampling are discussed in the Data Quality Review section of this report, summarized in Table 4, and compared in Chart 1.

- The following monitoring wells were either dry, or insufficient water was present for sample collection: MW11, MW13, MW16, MW23, MW33, MW35, MW41 through MW47, and MW52. The sampling method used to collect each sample is indicated on Tables 1 and 4 with the sample analytical results.
- Groundwater samples were not collected where LNAPL conditions were encountered (monitoring well MW90).

Purging and sampling with a peristaltic pump was performed using dedicated polyethylene tubing at flow rates ranging from 80 to 230 milliliters per minute. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater in each monitoring well. Purging and sampling with a bottom-loading bladder pump was performed using disposable polyethylene tubing at flow rates ranging from 92 to 310 milliliters per minute. Bladder pumps were suspended approximately 2 to 3 feet below the surface of the groundwater or at least 1 foot above the bottom of each monitoring well.

When purging and sampling in accordance with low-flow protocols, SoundEarth monitored water quality using a YSI ProPlus or YSI Model 556 water quality meter equipped with a flow-through cell. The water quality parameters that were monitored and recorded included temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential. Following purging and stabilization of water quality parameters, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into laboratory-prepared sample containers.

Purging and sampling with disposable bailers required the removal of at least three well volumes to purge each monitoring well prior to sampling. Water quality parameters were not monitored during purging and sampling with bailers. Upon removal of at least three well volumes of groundwater, water samples were discharged from the bailer directly into laboratory-prepared sample containers. Fewer than three well volumes were purged from the following wells prior to collecting a groundwater sample:

- Monitoring well MW15 bailed dry upon removal of one well-volume of groundwater, was allowed to recharge, and was sampled later the same day.
- Monitoring wells MW50, MW53, MW57, and MW96 bailed dry upon removal of two well-volumes of groundwater, were allowed to recharge, and were sampled later the same day.
- Monitoring well MW36 bailed dry upon removal of two well-volumes of groundwater, was allowed to recharge overnight, and was sampled the next day.

Each set of sample containers was labeled with a unique sample identification number, placed on ice in a cooler, and transported to Friedman & Bruya, Inc. of Seattle, Washington, under standard chain-of-custody protocols for laboratory analysis. The groundwater samples were submitted for analysis of gasoline-range petroleum hydrocarbons (GRPH) by Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Gx and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by U.S. Environmental Protection Agency (EPA) Method 8021B. The groundwater samples collected from monitoring wells MW31, MW65, MW69, MW70, MW76 through MW78, MW84 through MW87, MW89,

MW95 through MW99, and MW101 were analyzed for methyl tertiary-butyl ether (MTBE) and 1,2-dichloroethane (EDC) by EPA Method 8260C. In addition, samples collected from monitoring wells MW31, MW60, MW75, MW85, and MW91 through MW99 through MW101 were analyzed for dissolved and total lead by EPA Method 200.8. SoundEarth field-filtered samples intended for dissolved lead analysis using disposable 0.45 micron filters. Purge water generated during this sampling event was placed in labeled 55-gallon steel drums and temporarily stored on the TOC Property pending receipt of analytical data and proper disposal.

Sampling activities conducted within the 56th Avenue ROW were performed in accordance with an approved traffic control plan.

RESULTS

Groundwater levels measured on March 5 and 6, 2012, ranged from 10.56 feet (Shallow Zone monitoring well MW61) to 45.45 feet (Intermediate Zone monitoring well MW92) below the top of the well casings (Table 2). Groundwater elevations from the monitoring wells were contoured using the water level measurements collected on March 5 and 6, 2012 (Figures 5.1, 5.2, and 5.3).

During the First Quarter 2012 monitoring event, the overall directions of groundwater flow within the Shallow and Deep Zones generally trended south-southeast, while groundwater appears mounded within the Intermediate Zone (Figures 5.1, 5.2, and 5.3) across the following elevation ranges:

- Shallow Zone groundwater elevations ranged from 351.31 feet (monitoring well MW05) to 340.64 feet (monitoring well MW79). There is no evidence of groundwater mounding in the Shallow Zone in the vicinity of the former stormwater infiltration pit (Figure 5.1).
- Intermediate Zone groundwater elevations ranged from 338.03 feet (monitoring well MW90) to 310.86 feet (monitoring well MW85). Groundwater mounds within the Intermediate Zone between approximately 312 feet (monitoring wells MW56, MW59, and MW93) and 337 to 338 feet (monitoring wells MW09, MW32, MW90, and MW91), as characterized by the following conditions:
  - The 26-foot high mound is centered beneath the southern end of the former UST excavation (Figure 5.2).
  - The range of groundwater elevations observed in the mounded portion of the Intermediate Zone (elevations 312 to 338 feet) approaches the range of elevations in the Shallow Zone (elevations 340 to 345 feet). The mounded conditions are attributed to leakage from the Shallow Zone into the Intermediate Zone where the confining conditions between the two layers have been breached (e.g., by the former UST excavation).
  - The flattening of the groundwater gradient south of the TOC Property (such as the flattening between monitoring wells MW31 and MW59, MW31 and MW56, MW20 and MW92, and MW53 and MW60) signifies the apparent southern limits of the mounded conditions.
- Beyond the apparent limits of the mounded groundwater conditions the Intermediate Zone groundwater table flattens; groundwater elevations ranged from 312.92 feet immediately south of the TOC Property in monitoring well MW56 to 310.76 feet at the Drake Property, in monitoring well MW86 (Figure 5.2). The location of monitoring well MW16 relative to the

northern limits of the mounded groundwater conditions is not readily apparent because groundwater was not encountered in monitoring well MW16 during First Quarter 2012. Historically the groundwater elevations observed in monitoring well MW16 north of the TOC Property have appeared to be consistent with the range of elevations observed beyond the southern apparent limits of the mounded groundwater conditions.

- Deep Zone groundwater elevations ranged from 316.38 in monitoring well MW26 to 313.09 feet in monitoring well MW78 (Figure 5.3). The range of groundwater elevations observed in the Deep Zone equilibrate at higher elevations than the range of elevations observed in the Intermediate Zone outside the area where mounded groundwater conditions exist, even though the Deep Zone monitoring wells are screened at greater depth intervals than the Intermediate Zone monitoring wells. During First Quarter 2012, an upward vertical gradient of 2.83 feet was measured between Intermediate Zone monitoring well MW63 and Deep Zone monitoring well MW64. Similarly, a vertical upward gradient of 2.31 feet was recorded between Intermediate Zone monitoring well MW77 (elevation 310.78 feet) and Deep Zone monitoring well MW78 (elevation 313.09 feet). These conditions signify confined or semiconfined conditions within the Deep Zone and substantiate evidence of an aquitard between the two water-bearing zones.

The following monitoring wells potentially intersect both Intermediate and Shallow Zones: MW08, MW24, MW27, MW29, MW37, and MW38. During the First Quarter 2012 monitoring event, groundwater elevation data associated with those wells were consistent with the Shallow Zone groundwater elevations. Therefore, groundwater elevation data associated with those wells were disregarded in the calculation of First Quarter 2012 groundwater contours for the Intermediate Zone. SoundEarth calculated the following hydraulic gradients for each zone:

- Hydraulic gradients in the Shallow Zone range from 0.033 feet per foot between wells MW06 and MW79 to 0.063 feet per foot between wells MW03 and MW19, toward the south-southeast, perpendicular to the groundwater contours.
- The hydraulic gradient in the Intermediate Zone outside the mounded conditions is approximately 0.011 feet per foot between wells MW92 and MW69, toward the south-southeast, perpendicular to the groundwater contours.
- Hydraulic gradients within the mounded portion of the Intermediate Zone range up to 0.44 feet per foot between wells MW32 and MW94, perpendicular to the groundwater contours.
- The hydraulic gradient in the Deep Zone is 0.008 feet per foot between wells MW26 and MW78, perpendicular to the groundwater contours.

The spatial relationships between the ground surface, the network of underground utilities, and the three water-bearing zones are illustrated on Figure 4, which is a CAD illustration that was prepared using ArcGIS 3D Analyst software (version 9.3.1) and Surfer software (version 8.2). The Shallow Zone and Deep Zone nominally parallel the ground surface, which slopes downhill to the south across grades of 0.024 feet per feet (2.4 percent). The apex of mounded groundwater conditions in monitoring wells MW09, MW32, MW90, and MW91 approaches the elevation range of the Shallow Zone, suggesting that the Shallow Zone recharges the Intermediate Zone in the close vicinity of the former UST excavation. The mounded portion of the Intermediate Zone descends more steeply from the apex toward the west, east, and south than the Shallow Zone and Deep Zone descend toward the south. Intermediate Zone

groundwater gradients flatten south of the TOC Property but continue to descend toward the south below the elevations at which the semiconfined Deep Zone equilibrates. Due to semiconfinement, the Deep Zone appears shallower than the Intermediate Zone south of the TOC/Farmasonis Property.

Although groundwater elevation data for monitoring wells MW08, MW24, MW27, MW29, MW37, and MW38 were excluded from calculation of Intermediate Zone groundwater contours, groundwater analytical results for those wells are considered representative of Intermediate Zone conditions for the purpose of evaluating the lateral distribution of petroleum hydrocarbons. Specifically, monitoring wells where petroleum hydrocarbons have never been detected (monitoring wells MW37 and MW38) define the northeast lateral extent of contamination in the Intermediate Zone, regardless of groundwater elevation. Furthermore, in cases where petroleum hydrocarbons are detected in Intermediate Zone wells, historical maximum concentrations of petroleum hydrocarbons coincide with deeper groundwater elevations (monitoring wells MW08, MW24, MW27, and MW29) that are consistent with the hypothesis that the Intermediate Zone remains the primary zone of contaminant transport. Laboratory analytical results from the monitoring event indicated the following (Tables 1, 2, 3 and 4, Figures 6.1, 6.2, 7.1, and 7.2):

Shallow Zone

- GRPH and BTEX were not detected in groundwater samples collected from monitoring wells MW02, MW03, MW06, MW19, and MW34 at the TOC Property; MW54 and MW79 at the TOC/Farmasonis Property; MW12, MW61, and MW62 in the ROW; and MW67 and MW68 at the Drake Property.
- GRPH and benzene were not detected in groundwater samples collected from monitoring wells MW04 and MW05 in the ROW.
- Ethylbenzene was detected below the cleanup level in the groundwater sample collected from monitoring well MW04 and was not detected in the groundwater sample collected from monitoring well MW05.
- Total xylenes were detected below the cleanup level in the groundwater sample collected from monitoring well MW05 and were not detected in the groundwater sample collected from monitoring well MW04.

Intermediate Zone

- LNAPL conditions were observed at the TOC Property in well MW90 at an elevation of 338.03 feet (0.09 feet thick).
- Concentrations of GRPH exceeded the cleanup level in monitoring wells MW09, MW10, MW15, MW18, MW20, MW24, MW27, MW29, MW31, MW48, MW57, MW69, MW91, and MW98.
- Concentrations of benzene exceeded the cleanup level in monitoring wells MW09, MW10, MW18, MW20, MW24, MW27, MW31, MW48, MW57, MW70, MW91, MW97, and MW98.
- Concentrations of ethylbenzene exceeded the cleanup level in monitoring well MW48.

- Concentrations of total xylenes exceeded the cleanup level in monitoring wells MW09, MW10, MW27, MW48, and MW91.
- Concentrations of GRPH and BTEX either were not detected or were below the cleanup level in groundwater samples collected from monitoring wells MW08, MW32, MW36 through MW38, MW49, MW50, MW51, MW53,MW55, MW56, MW58 through MW60, MW63, MW65, MW66, MW75 through MW77, MW81, MW84 through MW89, MW92 through MW96, MW99, and MW101.
- Concentrations of total lead exceeded the cleanup level in monitoring wells MW31, MW91, MW100, and MW101. The dissolved lead concentration in the sample collected from monitoring well MW31 was nominally lower than the total lead concentration, suggesting that the source of lead in groundwater at MW31 is not attributable to sample turbidity. Dissolved lead was not detected in the groundwater samples collected from monitoring wells MW91 and MW101, and accounted for less than 3 percent of the total lead detected in the groundwater sample collected from monitoring well MW100, suggesting that the total lead concentrations at those locations are attributable to sample turbidity.
- Concentrations of total lead either were not detected or were below the cleanup level in monitoring wells MW60, MW75, MW85, and MW92 through MW99.
- Concentrations of the fuel additives MTBE and EDC were not detected in any of the groundwater samples collected from monitoring well MW31 at the TOC/Farmasonis Property or in the following wells at the Drake Property: MW65, MW69, MW70, MW76 through MW78, MW84 through MW87, and MW89. MTBE has been detected in Intermediate Zone groundwater samples collected south and downgradient of the Drake Property, and EDC has been detected below the cleanup level in Intermediate Zone wells located north of and upgradient from the Drake Property.

The subsurface distributions of GRPH and benzene in Intermediate Zone groundwater are illustrated on Figures 6.1 and 6.2, respectively, in relation to surface features and approximate property boundaries. Figures 7.1 and 7.2 superimpose those distributions onto the surface of the Intermediate Zone groundwater table featured on Figure 4. These illustrations were prepared using ESRI ArcGIS 3D Analyst software (version 9.3.1) and Rockware Surfer software (version 8.2) to map three-dimensional surfaces according to the methods described in Attachment A.

Actual concentrations may vary from those illustrated on Figures 6.1, 6.2, 7.1, and 7.2 due to lithology, stratigraphy, well screen interval depths, and/or spacing between individual monitoring wells.

Deep Zone

- Concentrations of GRPH and BTEX were not detected in groundwater samples collected from the Deep Zone monitoring wells MW26, MW30, MW39, MW40, MW64, and MW78.
- MTBE and EDC were not detected in the groundwater sample collected from monitoring well MW78.

DATA QUALITY REVIEW

The scope of groundwater monitoring included the collection and laboratory analysis of 73 groundwater samples and 8 QA/QC samples. SoundEarth performed a QA/QC review of the analytical results, which included a review of accuracy and precision of the data supplied by the laboratory. The QA/QC program for this sampling event included collection and analysis of the following samples:

- The laboratory prepared three trip blanks for this sampling event. The trip blank that accompanied samples collected from the Drake Property (Trip Blank-24309) was submitted for analysis of GRPH by Method NWTPH-Gx, BTEX by EPA Method 8021B, and MTBE and EDC by EPA Method 8260C.
- SoundEarth collected field duplicate sample MW999-20120307-PE from monitoring well MW09. SoundEarth submitted this sample for analysis by GRPH and BTEX analysis by Method NWTPH-Gx and EPA Method 8021B, respectively. The sample and the field duplicate sample were collected using the same equipment (peristaltic pump).
- SoundEarth collected samples and method duplicate samples from monitoring wells with the objective of comparing the effect(s), if any, of sample method on the variability of analytical results:
  - MW09 using a peristaltic pump, a bladder pump, and a bailer (sample MW09-20120307-PE, and method duplicate samples MW09-20120307-BL and MW09-20120307-BA). SoundEarth submitted all three samples for GRPH and BTEX analyses.
  - MW20 using a peristaltic pump (sample MW20-20120309-PE and method duplicate sample MW20-20120309-PE2). SoundEarth submitted both samples for GRPH and BTEX analyses.
  - MW49 using a bladder pump and a bailer (sample MW49-20120308-BL and method duplicate sample MW49-20120308-BA). SoundEarth submitted both samples for GRPH and BTEX analyses.
  - MW81 using a bailer (sample MW81-20120306-BA and method duplicate sample MW81-20120306-BA2). SoundEarth submitted both samples for GRPH and BTEX analyses.
  - MW86 using a bladder pump (sample MW86-20120306-BL and method duplicate sample MW86-20120306-BL2). SoundEarth submitted both samples for GRPH and BTEX analyses; sample MW86-20120306-BL was also analyzed for MTBE and EDC.

Analytical results for field quality assurance samples are summarized on Table 4. In the event that a QA/QC result for any COC exceeded the sample result, and the QA/QC sample was collected using the same method as the sample, then the higher of the two values is reported on Table 1 and 2; however, if the sample collection methods differed then the primary sample results are reported on Tables 1 and 2, regardless of the QA/QC analytical result. Analytical results for laboratory quality assurance samples are included in the laboratory analytical reports which are appended to this report (Attachment B). The results of the QA/QC review indicated the following:

- GRPH, BTEX, MTBE, and EDC were not detected in the trip blank associated with the groundwater samples collected from the Drake Property. Laboratory trip blanks serve as an indicator of the integrity of sample handling and shipping procedures.

- The relative percent difference calculations (RPD) for each analyte that was detected were within acceptable limits for the field duplicate samples collected from monitoring wells MW09, MW20, and MW86. Analytes were not detected in groundwater samples collected from monitoring wells MW49 and MW81; therefore, RPDs could not be calculated for those QA/QC samples. The field duplicate sample RPD serves as a measure of the reproducibility of sampling and analysis procedures.
- GRPH and BTEX detection limits for groundwater samples collected from monitoring wells MW09, MW20, MW27, and MW91 were elevated because of sample dilution. However, each of the GRPH and BTEX concentrations for these groundwater samples exceeded the elevated laboratory detection limits. Therefore, the analytical results for the groundwater samples and field duplicates are considered usable to meet the objectives of the First Quarter 2012 monitoring event.
- The benzene detection limit for the groundwater samples collected from monitoring well MW15 was elevated because of sample dilution. However, the elevated benzene detection limit equals the cleanup level of 5 micrograms per liter (µg/L), and benzene was not detected above the cleanup level. Therefore, the analytical results for the groundwater samples and field duplicates are considered usable to meet the objectives of the First Quarter 2012 monitoring event.
- The toluene detection limits for the groundwater samples collected from monitoring wells MW15 and MW18 were elevated because of sample dilution. However, the elevated toluene detection limits of 10 µg/L and 5 µg/L, respectively, are below the cleanup level of 1,000 µg/L, and toluene was not detected in either sample. Therefore, the analytical results for the groundwater samples and field duplicates are considered usable to meet the objectives of the First Quarter 2012 monitoring event.
- The total xylenes result for monitoring well MW48 exceeded the calibration range of the instrument. The laboratory flagged the total xylenes result with the following data qualifier: "Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte." The groundwater sample collected from monitoring well MW48 contains concentrations of GRPH, benzene, toluene, and ethylbenzene well above their respective cleanup levels; the estimated total xylenes concentration is consistent with the GRPH, benzene, toluene, and ethylbenzene results and is considered usable to meet the objectives of the First Quarter 2012 monitoring event.
- The laboratory flagged the quality assurance results for the analysis of water samples for dissolved metals by EPA Method 200.8 with the following data qualifier: "The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful." The matrix spike and matrix spike duplicate results for this project were within the stated range of acceptance criteria. The level of meaningfulness of laboratory quality assurance results for the dissolved metals test method does not compromise the data quality objectives of this sampling event.
- The analytical results for the sample method duplicates (Table 4) indicated the following:

- Sampling by bailer resulted in understated GRPH and BTEX concentrations in groundwater (method duplicate sample MW09-20120307-BA), compared to low-flow methods (sample MW09-20120307-PE and method duplicate sample MW09-20120307-BL).
- Sampling by peristaltic pump (sample MW09-20120307-PE and field duplicate sample MW999-20120307-PE) resulted in nominally understated GRPH and BTEX concentrations in groundwater, compared to sampling by bladder pump (method duplicate samples MW09-20120307-BL).
- The GRPH concentration in the groundwater sample collected by bladder pump (MW09-20120307-BL) was 4.6 times higher than the GRPH concentration in the sample collected by bailer (MW09-20120307-BA). The benzene concentration in the groundwater sample collected by bladder pump (MW09-20120307-BL) was 2.9 times higher than the benzene concentration in the sample collected by bailer (MW09-20120307-BA).
- In the case where GRPH and BTEX concentrations are below their respective laboratory reporting limits, the sampling method imparted no influence on the sample analytical results (sample MW49-20120308-BL and method duplicate sample MW49-20120308-BA).

- Low-flow criteria for turbidity were not achieved prior to collecting groundwater samples from monitoring wells MW59, MW75, MW84, and MW89, even though the wells were purged at minimum pump flow rates. Turbidity at the time of sample collection ranged from 13 to 60 NTU and final turbidity readings varied more than plus or minus 10 percent in each case. GRPH and BTEX were not detected in the groundwater samples collected from monitoring wells MW59, MW75, and MW89 even though the groundwater samples collected from those locations were slightly turbid; the reported concentrations of GRPH and/or BTEX in the groundwater sample collected from MW84 may be overstated or exaggerated due to elevated/unstable turbidity.
- Although low-flow criteria for stability of turbidity readings were met prior to collection of groundwater samples from monitoring wells MW02, MW09, MW49, MW56, MW60, MW65, and MW86, final turbidity readings ranged from 12 to 80 NTU. GRPH and BTEX were not detected in the groundwater samples collected from monitoring wells MW02, MW49, MW56, MW60, MW65, and MW89 even though the groundwater samples collected from those locations were slightly turbid; the reported concentrations of GRPH and/or BTEX detected in the groundwater samples collected from MW09 and MW86 may be overstated or exaggerated due to elevated turbidity.
- Monitoring wells MW15, MW31, MW36, MW50, MW51, MW53, MW57, and MW96 ran dry during purging upon or prior to removal of three well-volumes of groundwater. SoundEarth allowed the wells to recharge and collected samples the same day, except at monitoring well MW31, which recharged overnight prior to sampling. The groundwater analytical data associated with these wells should be qualified as screening results appropriate for assessing the presence or absence of petroleum hydrocarbons in groundwater as follows:
  - In wells where petroleum hydrocarbons are present (MW15, MW31, and MW57), concentrations of GRPH and BTEX may be understated due to excessive volatilization and/or overstated due to elevated turbidity. All three wells have been connected to the remediation system with the objective of improving groundwater quality at the Interim

Remedial Action Project Area, on the assumption that groundwater quality is impaired at those locations.

- In wells where GRPH and BTEX are not detected (MW36, MW50, MW51, MW53, and MW96), the GRPH and benzene data are assumed to be representative of unimpaired groundwater quality, primarily because the groundwater cleanup levels for GRPH, BTEX, MTBE, and EDC are between 5 and 1,000 times their respective laboratory reporting limits.

The remaining QA/QC criteria are acceptable for the groundwater samples; therefore, no action is required and analytical results meet the project objectives. Copies of the laboratory analytical reports are provided in Attachment B.

CONCLUSIONS

SoundEarth draws the following conclusions from an evaluation of the data obtained during the First Quarter 2012 groundwater monitoring event:

- The overall directions of groundwater flow through the Shallow, Intermediate, and Deep Zones are toward the south–southeast. Although groundwater flow directions appear to radiate away from the center of the mounded groundwater conditions in the Intermediate Zone, the distribution of petroleum hydrocarbons in Intermediate Zone groundwater is consistent with the overall direction of groundwater flow toward the south and southeast.
- Mounded groundwater conditions within the Intermediate Zone appear to be centered beneath the southern end of the former UST excavation. The location and elevation of the mounded conditions, and the vertical and lateral distributions of petroleum hydrocarbons, support the working hypothesis that the former UST excavation cross-connects with the Shallow Zone and portions of the Intermediate Zone.
- The current conceptual model for the Interim Remedial Action Project Area assumes the following:
  - The former UST excavation intersects the Shallow Zone and granular strata within the Upper Intermediate Zone. Seasonal diminishment of saturated conditions within the Shallow Zone facilitates vertical downward migration of petroleum hydrocarbons into the Intermediate Zone where they become adsorbed to the soil formation. Seasonal recharge of the Shallow Zone traps and surcharges the adsorbed petroleum hydrocarbons. One basis for this working hypothesis is the former occurrence of LNAPL in monitoring well MW48, over 180 feet distant from the southern end of the former UST excavation, and at elevations between 308 and 312 feet, over 36 feet deeper than the bottom of the former UST excavation.
  - Intermittent saturation, soil adsorption, wicking, and anisotropic stratigraphy contribute to the lateral and downward vertical migration of petroleum hydrocarbons through the ice-melt and water-laid glacial deposits of the Intermediate Zone, while the vertical upward gradient between the Intermediate Zone and Deep Zone inhibits the descent of petroleum hydrocarbons through the lower reaches of the Intermediate Zone.
  - The apparently separated plumes depicted on Figures 6.1 through 7.2 are connected laterally between the TOC Property and the Drake Property via a preferential pathway that meanders west of the TOC/Farmasonis Property beneath the 56th Avenue West ROW. This

working hypothesis is based on historical distributions of LNAPL in monitoring wells MW20, MW32, MW48, and MW90, which contrast with the apparent absence of a connecting plume beneath the TOC/Farmasonis Property (monitoring wells MW23, MW56, MW59, MW66, MW81, MW92, MW93, and MW94) and the opposite side of 56th Avenue West (monitoring wells MW08, MW50, MW52, MW53, MW55, MW60, and MW75). Consistent with the current hypothesis, and whenever groundwater volumes are sufficient to allow collection and analysis of samples from monitoring wells MW13 and MW45, elevated concentrations of GRPH and BTEX have been documented beneath the east margin of the 56th Avenue ROW between monitoring wells MW20, MW32, and MW48.

- The apparently separated plumes depicted on Figures 6.1 through 7.2 are connected laterally between the TOC Property and the Drake Property via a preferential pathway that meanders west of the TOC/Farmasonis Property beneath the 56th Avenue West ROW. This working hypothesis is based on historical distributions of LNAPL in monitoring wells MW20, MW32, MW48, and MW90, which contrast with the apparent absence of a connecting plume beneath the TOC/Farmasonis Property (monitoring wells MW23, MW56, MW59, MW66, MW81, MW92, MW93, and MW94) and the opposite side of 56th Avenue West (monitoring wells MW08, MW50, MW52, MW53, MW55, MW60, and MW75). Consistent with the current hypothesis, and whenever groundwater volumes are sufficient to allow collection and analysis of samples from monitoring wells MW13 and MW45, elevated concentrations of GRPH and BTEX have been documented beneath the east margin of the 56th Avenue ROW between monitoring wells MW20, MW32, and MW48. The extent of petroleum hydrocarbons in groundwater south of the Drake Property remains the focus of an on-going remedial investigation. Currently the southernmost line of Intermediate Zone monitoring wells is defined, from west to east, by wells MW52, MW75, MW51, MW89, MW84, MW86, MW85, MW77, and MW87. During First Quarter 2012, concentrations of GRPH were detected below the cleanup level in monitoring wells MW84 and MW86 (Figure 6.1). Concentrations of benzene were detected below their respective cleanup levels in monitoring wells MW85 and MW86 (Figure 6.2). Further remedial investigation of Intermediate Zone groundwater south and downgradient from monitoring wells MW84, MW85, and MW86 is pending.
- Based on an evaluation of the analytical results for method duplicate samples collected from monitoring well MW09 using a bladder pump, a peristaltic pump, and a bailer, all three sampling methods are protective of human health and the environment. It should be noted that the apparent correlation observed in First Quarter 2012 between sample collection method and COC concentration is not consistent with First Quarter 2010 QA/QC sample results; therefore the apparent correlation should not be applied to other sampling events. However, the combination of sampling methods is appropriate for compliance, performance, and screening purposes according to the following rationale:
  - Sampling method imparts no practicable distortion of the fingerprint of the BTEX constituents present (Chart 1); relative proportions of individual BTEX constituents detected in groundwater samples collected from monitoring well MW09, and normalized to total BTEX, varied 2 to 5 percent depending on the sampling method.
  - Bladder pumps appear to be the most conservatively protective sampling equipment for documenting compliance of GRPH and benzene concentrations with groundwater cleanup

levels. Therefore, around the western and southern perimeter of the monitoring well network, where demonstration of compliance is crucial, groundwater samples are collected using bladder pumps (monitoring wells MW55, MW60, MW75, MW84, MW85, MW86, and MW89).

- During First Quarter 2012 the results of sampling by bailer were understated 2.9 to 6.5 times compared to sampling by bladder pump, but the groundwater cleanup levels are between five and 1,000 times higher than the laboratory reporting limits for GRPH, BTEX, MTBE, and EDB. Of the seven constituents, benzene concentrations in samples collected by bailer are most susceptible to underreporting because the cleanup level for benzene is only five times the laboratory reporting limit. Across the majority of the Interim Remedial Action Project Area, the detection of the more prevalent constituents, ethylbenzene and/or total xylenes, in groundwater serves as a screening indicator for the potential presence of benzene. Therefore, the collection of groundwater samples using bailer and peristaltic pump methods is protective of human health and groundwater quality, even if the sampling method is associated with understated constituent concentrations.
- SoundEarth will continue to collect groundwater samples using bailers and peristaltic pumps for screening and performance monitoring purposes, use bladder pumps for crucial compliance purposes, and will also collect method duplicate samples for data qualification purposes.

REFERENCES

Axis Survey & Mapping. 2012. *Existing Site Exhibit, Sheet 1 OF 1, SE ¼, SW ¼, SEC. 33, TWP. 27 N., RGE. 4 E., W.M. Mountlake Terrace, Snohomish County, Washington*. April 6.

City of Mountlake Terrace. 2005. *As-Built Utilities, 24205 56th Ave. W. Area*. October 3.

Environmental Science & Engineering, Inc. (ES&E). 1992. *Results of Site Assessment, Time Oil Property #01-176, Located at 24205 56th Avenue West, Mountlake Terrace, Washington*. September 16.

K&S Environmental, Inc. (K&S). 2001. *UST Decommissioning and Site Assessment Report, R&R Auto, 24311 56th Ave. W., Mountlake Terrace, WA*. January 16.

Landau Associates, Inc. (Landau). 2005. *Groundwater Status Report, Time Oil Property 01-176, 24205 56th Avenue West, Mountlake Terrace, Washington.* January 25.

Reisdorff, Thomas D. 1985. *Herman Short Plat No. 106*. January 31.

SoundEarth Strategies, Inc. (SoundEarth). 2011. *Interim Remedial Action Work Plan, TOC Holdings Co. Facility No. 01-176, 24205 56th Avenue West, Mountlake Terrace, Washington 98043*. July 28.

Snohomish County Assessor's Office. 2009. Snohomish County On-Line Property Information, accessed at <http://gis.snoco.org/maps/property/index.htm>. November.

Time Oil Company [sic]. 1975. *Blueprint Drawing No. 1390: Conduits, Piping, Electrical Service, Lighting, Retaining Wall & Lot Drainage, Mountlake Terrace, Wash*. September 8 with undated maintenance notes in red-orange pencil.

U.S. Environmental Protection Agency (EPA). 1996. *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells*. July 30.

U.S. Geological Survey (USGS). 2002. Urban-250mm Aerial Photograph of 24200 Block of Mountlake Terrace, Washington.

WORK PLANNED

In Second Quarter 2012 SoundEarth will conduct a limited groundwater monitoring event at the Interim Remedial Action Project Area in accordance with the IRAWP. The results will be presented in a groundwater monitoring summary report.

CLOSING

SoundEarth appreciates the opportunity to work with you on this project. Please contact the undersigned at (206) 306-1900 if you have any questions or require additional information.

Respectfully,

SoundEarth Strategies, Inc.

Deborah H. Gardner, LG #1243
Associate Geologist

Ryan K. Bixby, LG #1691
Environmental Division President

Attachments:
Figure 1, Physiographic Setting
Figure 2, Property Location Map
Figure 3, Exploration Location Map
Figure 4, Elevation View of Water-Bearing Zones, March 6, 2012
Figure 5.1, Groundwater Contour Map, Shallow Zone, March 6, 2012
Figure 5.2, Groundwater Contour Map, Intermediate Zone, March 6, 2012
Figure 5.3, Groundwater Contour Map, Deep Zone, March 6, 2012
Figure 6.1, Concentrations of GRPH in Intermediate Zone Groundwater, March 2012
Figure 6.2, Concentrations of Benzene in Intermediate Zone Groundwater, March 2012
Figure 7.1, Elevation View of GRPH in Intermediate Zone Groundwater, March 2012
Figure 7.2, Elevation View of Benzene in Intermediate Zone Groundwater, March 2012
Table 1, Summary of First Quarter 2012 Groundwater Analytical Results Sorted by Water-Bearing Zone
Table 2, Summary of Historical Groundwater Analytical Results, June 1992 through March 2012
Table 3, Summary of Groundwater Analytical Results, Eight Common Fuel Additives
Table 4, Summary of Quality Assurance/Quality Control Analytical Results, First Quarter 2012
Chart 1, Influence of Sampling Method on Normalized Proportions of BTEX Constituents, First Quarter 2012, Monitoring Well MW09
A, Preparation of GRPH and Benzene Distribution Figures
B, Laboratory Analytical Reports
Friedman & Bruya, Inc. #203121
Friedman & Bruya, Inc. #203122
Friedman & Bruya, Inc. #203141
Friedman & Bruya, Inc. #203142
Friedman & Bruya, Inc. #203143

cc: Russ Olsen, Washington State Department of Ecology, Northwest Region

DHG/RKB:mdb/hsc

FIGURES

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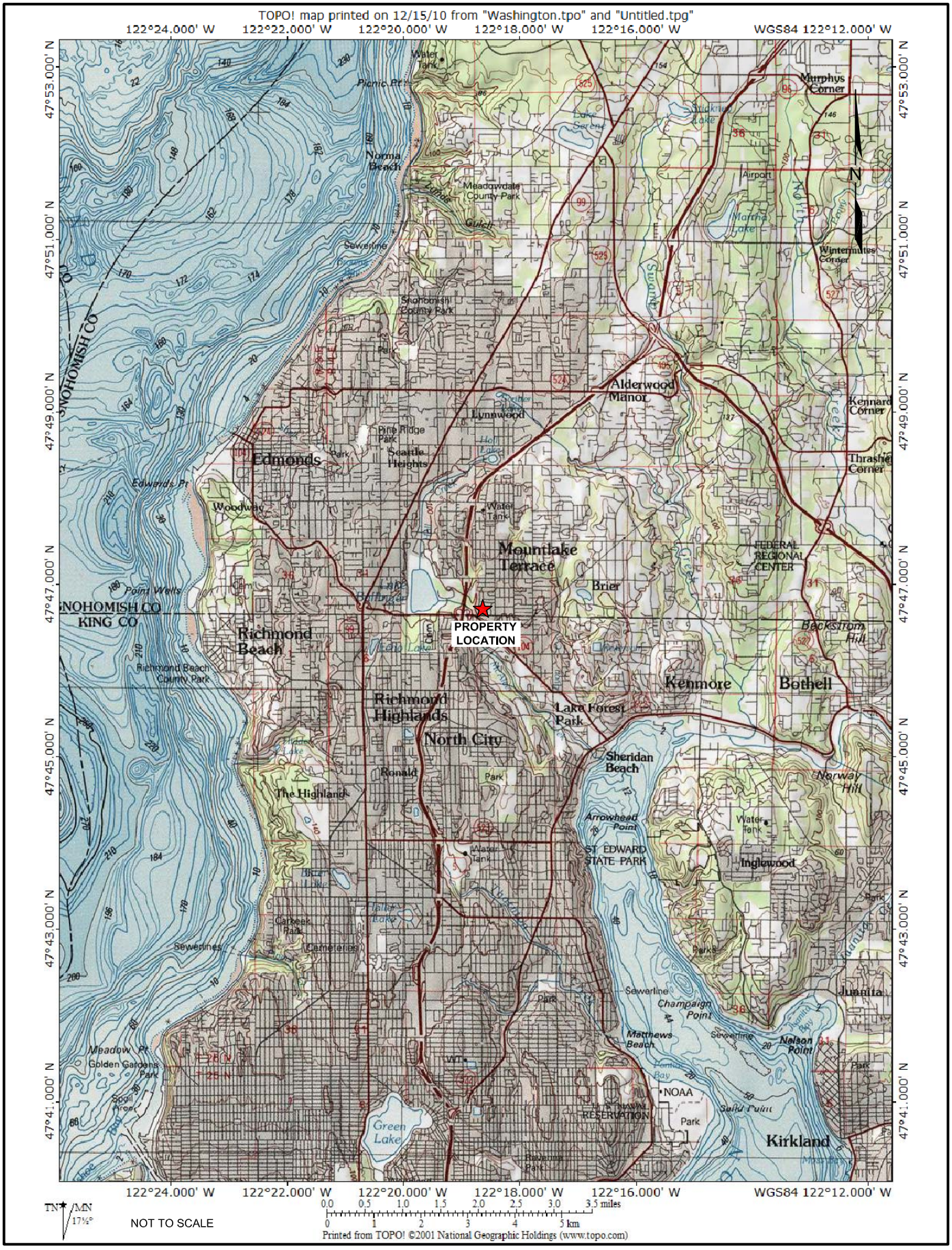

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PROJECT NAME:	TOC HOLDINGS CO. FACILITY NO. 01-176
PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

FIGURE 1
PHYSIOGRAPHIC SETTING

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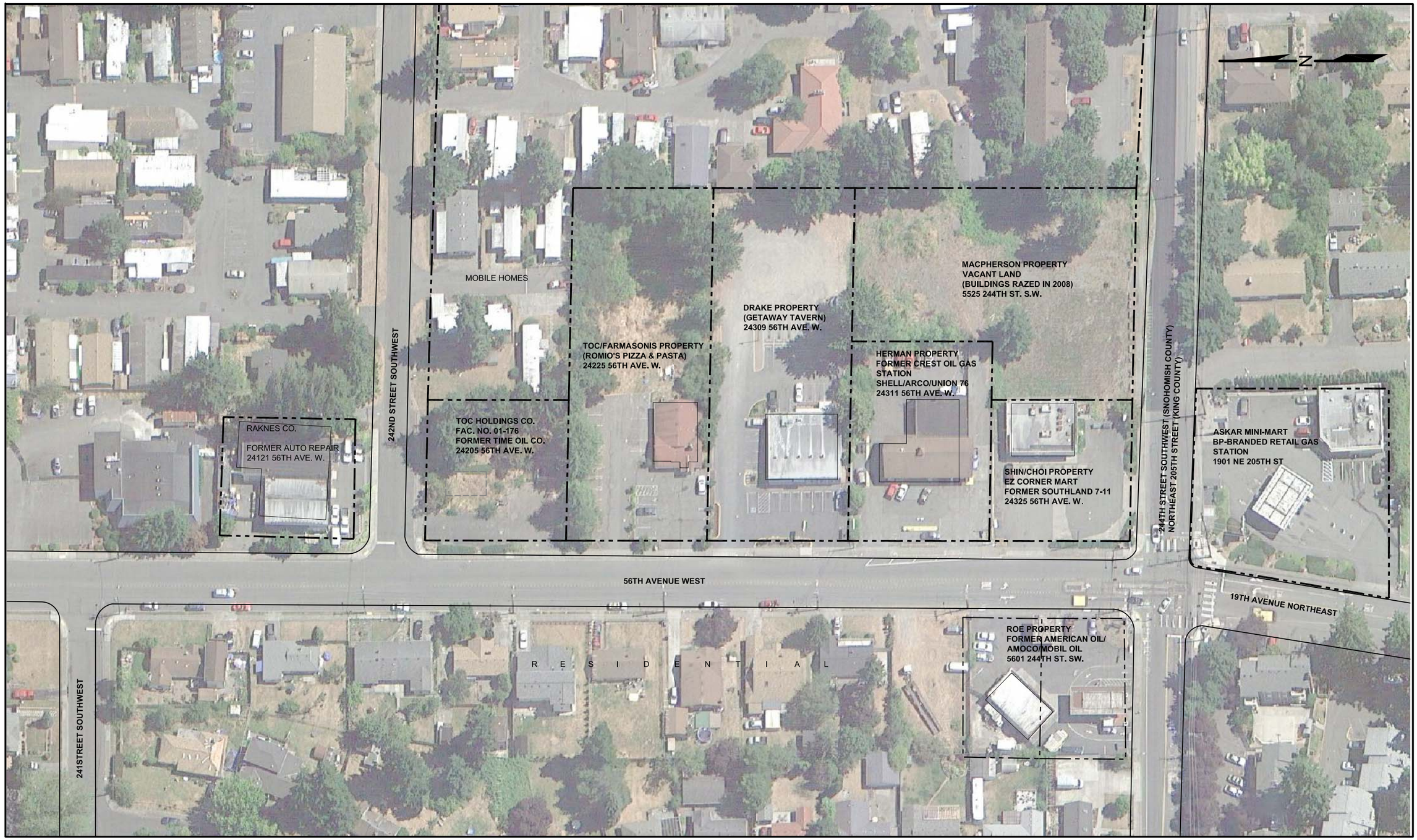

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STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 40 80 160

APPROXIMATE SCALE IN FEET

FIGURE 2
PROPERTY LOCATION MAP

6/25/2012

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LEGEND

- B27 — SOIL BORING (NO WELL INSTALLED)
- MW68 — GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
- MW89 — GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
- MW77 — GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
- MW78 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- CURRENT OR FORMER UST
- PROPERTY BOUNDARY
- FD — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE
- FORMER INFILTRATION PIT (1975)

N

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC/FARMASONIS PROPERTY

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

DRAKE PROPERTY

GETAWAY SPIRITS TAVERN
24309 56TH AVENUE WEST

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST

242ND STREET SOUTHWEST

56TH AVENUE WEST

MOBILE HOMES (RESIDENTIAL)

GRASS FIELD

EDGE OF PAVEMENT

GRAVEL PARKING

PARKING

PAVED PARKING

PAVED PARKING

CONCRETE CURB (TYP.)

CONCRETE

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 5/16/2008)

LOCATION OF FORMER UST EXCAVATION (1991)

WATER METER

STORM DRAIN (TYP.)

SIDEWALK (TYP)

SIDEWALK (TYP)

SIDEWALK (TYP)

MANHOLE (LABELED "DRAIN")

PLANTER

PLANTER

PLANTER

PLANTER

UST
(REISDORFF 1985)

USTS
(REISDORFF, 1985)

SUSPECTED UST
(K&S, 2001)

USED OIL UST
(K&S, 2001)

FORMER UST EXCAVATION
(K&S, 2001)

FORMER PUMP ISLANDS

FORMER PUMP ISLANDS

RESIDENTIAL

REFERENCES:

AXIS SURVEY & MAPPING, 2012
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 3
EXPLORATION LOCATION MAP

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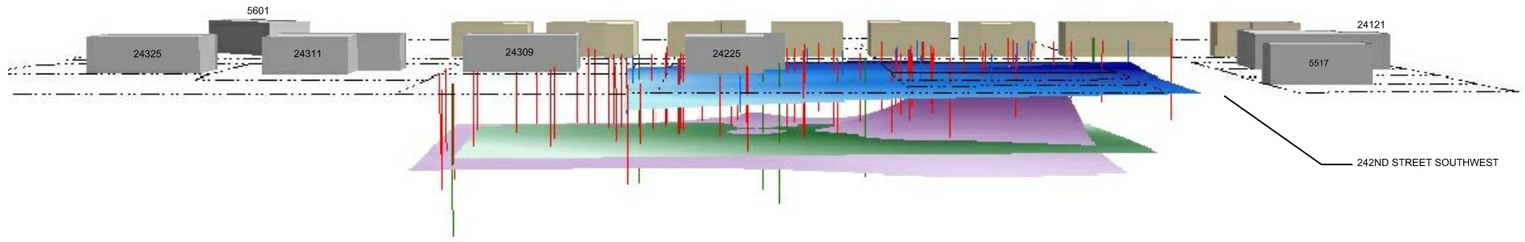
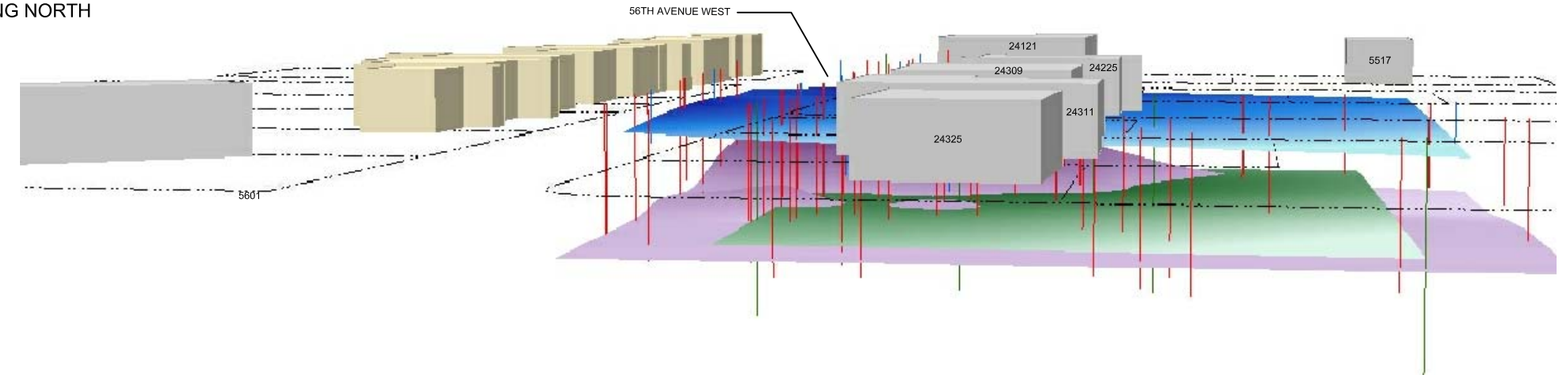
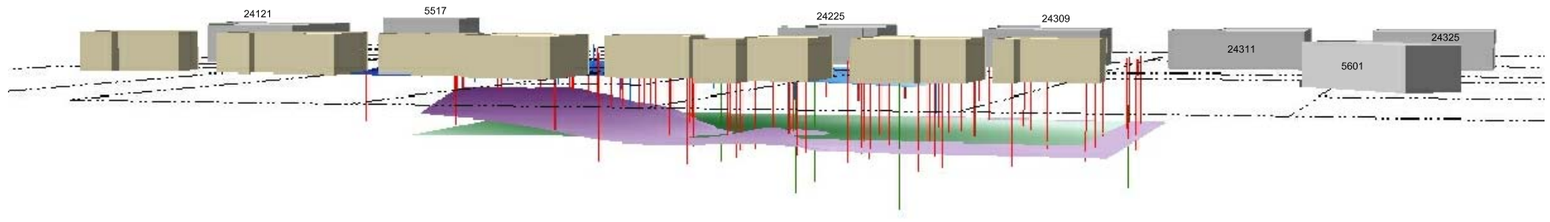
VIEW LOOKING WEST



VIEW LOOKING NORTH



VIEW LOOKING EAST



LEGEND

- SHALLOW ZONE MONITORING WELL (0-20 FEET BGS)
- INTERMEDIATE ZONE MONITORING WELL (20-60 FEET BGS)
- DEEP ZONE MONITORING WELL (OVER 60 FEET BGS)
- EXISTING COMMERCIAL BUILDING
- EXISTING SINGLE FAMILY RESIDENCE

GROUNDWATER TABLES

- SHALLOW ZONE GROUNDWATER TABLE (PERCHED)
- INTERMEDIATE ZONE GROUNDWATER TABLE (PERCHED)
- DEEP ZONE GROUNDWATER TABLE (SEMI-CONFINED)

BGS — BELOW GROUND SURFACE

24225 — STREET NUMBER

REFERENCES:

AXIS SURVEY & MAPPING, 2012
CITY OF MOUNTLAKE TERRACE, 2005
SNOHOMISH COUNTY ASSESSOR'S OFFICE, 2009

NOTE:

THIS FIGURE PROVIDES AN ILLUSTRATION RELATING THE SHALLOW, INTERMEDIATE, AND DEEP WATER-BEARING ZONES IN A SERIES OF OBLIQUE ELEVATION VIEWS.

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PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

NOT TO SCALE

FIGURE 4
ELEVATION VIEW OF
WATER-BEARING ZONES
MARCH 6, 2012

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LEGEND

- B27 — SOIL BORING (NO WELL INSTALLED)
- MW68 — GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
- MW89 — GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
- MW77 — GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
- MW78 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- CURRENT OR FORMER UST
- OVERALL DIRECTION OF GROUNDWATER FLOW
- (351.31') — GROUNDWATER ELEVATION (FEET)
- 348.00' — 1-FOOT INTERVAL GROUNDWATER CONTOUR (MARCH 6, 2012)
- PROPERTY BOUNDARY
- FO — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE
- FORMER INFILTRATION PIT (1975)

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

UST
(REISDORFF 1985)

USTS
(REISDORFF, 1985)

TOC/FARMASONIS PROPERTY

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

GETAWAY SPIRITS TAVERN
24309 56TH AVENUE WEST

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SUSPECTED UST
(K&S, 2001)

USED OIL UST
(K&S, 2001)

FORMER UST EXCAVATION
(K&S, 2001)

FORMER PUMP ISLANDS

SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST

MOBILE HOMES
(RESIDENTIAL)

242ND STREET SOUTHWEST

56TH AVENUE WEST

EDGE OF PAVEMENT

GRASS FIELD

GRAVEL PARKING

PAVED PARKING

PARKING

PLANTER

CONCRETE CURB (TYP.)

CONCRETE

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 5/16/2001)

LOCATION OF FORMER UST EXCAVATION (1991)

STORM DRAIN (TYP.)

MANHOLE (LABELED "DRAIN")

WATER METER

SIDEWALK (TYP)

MW05 (351.31')
MW06 (345.99')
MW02 (346.04')
MW03 (348.79')
MW04 (347.68')
MW12 (346.05')
MW34 (345.56')
MW19 (345.34')
MW54 (345.25')
MW67 (341.33')
MW68 (341.04')
MW79 (340.64')
MW62 (348.50')
MW61 (346.68')

REFERENCES:

AXIS SURVEY & MAPPING, 2012
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 5.1
GROUNDWATER CONTOUR MAP
SHALLOW ZONE
MARCH 6, 2012

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8/21/2012

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LEGEND

- B27 — SOIL BORING (NO WELL INSTALLED)
- MW68 — GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
- MW89 — GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
- MW77 — GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
- MW78 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- CURRENT OR FORMER UST
- OVERALL DIRECTION OF GROUNDWATER FLOW
- (338.03') — GROUNDWATER ELEVATION (FEET)
- 338.00' — 2-FOOT INTERVAL GROUNDWATER CONTOUR (MARCH 6, 2012)
- 311.00' — 1-FOOT INTERVAL GROUNDWATER CONTOUR (MARCH 6, 2012)
- PROPERTY BOUNDARY
- FD — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE
- FORMER INFILTRATION PIT (1975) (SHALLOW ZONE)

N

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC/FARMASONIS PROPERTY

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

GETAWAY SPIRITS TAVERN
24309 56TH AVENUE WEST

242ND STREET SOUTHWEST

56TH AVENUE WEST

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 2008)

LOCATION OF FORMER UST (1975)

FORMER UST EXCAVATION (K&S, 2001)

SUSPECTED UST (K&S, 2001)

USED OIL UST (K&S, 2001)

USTS (REISDORFF, 1985)

UST (REISDORFF 1985)

MOBILE HOMES (RESIDENTIAL)

GRASS FIELD

GRAVEL PARKING

PAVED PARKING

PARKING

PLANTER

SIDEWALK (TYP)

CONCRETE CURB (TYP.)

STORM DRAIN (TYP.)

WATER METER

EDGE OF PAVEMENT

MANHOLE (LABELED "DRAIN")

FORMER PUMP ISLANDS

R E S I D E N T I A L

REFERENCES:

AXIS SURVEY & MAPPING, 2012
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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DATE:	04/24/2012
DRAWN BY:	JQC/BLR
CHECKED BY:	DHG
CAD FILE:	01-176_2012Q1_CM2

PROJECT NAME:	TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 5.2
GROUNDWATER CONTOUR MAP
INTERMEDIATE ZONE
MARCH 6, 2012

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P:\0440 TOC Holdings Co\01-176 Mountlake Terrace\Technical\CAD\2012Q1\01-176_2012Q1_CM3_F.dwg

LEGEND

- B27 — SOIL BORING (NO WELL INSTALLED)
- MW68 — GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
- MW89 — GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
- MW77 — GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
- MW78 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- CURRENT OR FORMER UST
- OVERALL DIRECTION OF GROUNDWATER FLOW
- (316.38') — GROUNDWATER ELEVATION (FEET)
- 316.00' — 1-FOOT INTERVAL GROUNDWATER CONTOUR (MARCH 6, 2012)
- PROPERTY BOUNDARY
- FD — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE
- FORMER INFILTRATION PIT (1975) (SHALLOW ZONE)

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

UST
(REISDORFF 1985)

USTS
(REISDORFF, 1985)

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC/FARMASONIS PROPERTY

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

GETAWAY SPIRITS TAVERN
24309 56TH AVENUE WEST

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SUSPECTED UST
(K&S, 2001)

USED OIL UST
(K&S, 2001)

FORMER UST EXCAVATION
(K&S, 2001)

FORMER PUMP ISLANDS

SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST

MOBILE HOMES
(RESIDENTIAL)

242ND STREET SOUTHWEST

56TH AVENUE WEST

GRASS FIELD

EDGE OF PAVEMENT

CONCRETE CURB (TYP.)

CONCRETE

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 5/16/2008)

LOCATION OF FORMER UST EXCAVATION (1991)

PAVED PARKING

PARKING

PLANTER

GRAVEL PARKING

STORM DRAIN (TYP.)

WATER METER

MANHOLE (LABELED "DRAIN")

SIDEWALK (TYP)

314.00'

315.00'

316.00'

MW78 (313.09')

MW39 (314.80')

MW30 (315.36')

MW40 (315.16')

MW64 (314.63')

MW28 (316.38')

R E S I D E N T I A L

REFERENCES:

AXIS SURVEY & MAPPING, 2012
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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DATE:	04/24/2012
DRAWN BY:	JQC/BLR
CHECKED BY:	DHG
CAD FILE:	01-176_2012Q1_CM3

PROJECT NAME:	TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 5.3
GROUNDWATER CONTOUR MAP
DEEP ZONE
MARCH 6, 2012

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LEGEND

- B27 — SOIL BORING (NO WELL INSTALLED)
- MW68 — GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
- MW83 — GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
- MW77 — GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
- MW78 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- CURRENT OR FORMER UST
- GROUNDWATER NOT ENCOUNTERED ON MARCH 1, 2010 (WELL DRY)

GRPH (µg/L) *

- >50,000 OR LNAPL
- 20,000 - 50,000
- 2,000 - 20,000
- 800 - 2,000
- 400 - 800
- 100 - 400
- 0 - 100

- PROPERTY BOUNDARY
- FD — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- LNAPL — LIGHT NON-AQUEOUS PHASE LIQUIDS IN THE FORM OF A SHEEN OR THICKER PRODUCT ON THE GROUNDWATER TABLE
- GRPH — GASOLINE-RANGE PETROLEUM HYDROCARBONS
- UST — UNDERGROUND STORAGE TANK
- 24225 — STREET NUMBER
- µg/L — MICROGRAMS PER LITER
- CATCH BASIN
- MANHOLE
- FORMER INFILTRATION PIT (1975)

NOTES:

THIS FIGURE PROVIDES AN ALGORITHMIC ILLUSTRATION OF THE DISTRIBUTION OF GRPH IN GROUNDWATER BASED ON MARCH 2012 DATA FOR INTERMEDIATE WELLS (THROUGH MW101).

* IN MARCH 2012, WELLS MW11, MW13, MW16, MW35, MW41 THROUGH MW47, AND MW52 WERE NOMINALLY DRY. WELLS MW21, MW22, MW23, MW25, AND MW28 WERE TEMPORARILY INACCESSIBLE. WELLS MW08, MW24, MW27, MW29, MW37, AND MW38 WERE SEASONALLY REPRESENTATIVE OF SHALLOW ZONE CONDITIONS. EXCEPT FOR WELLS MW27 AND MW38, WHICH ARE NECESSARY FOR LATERAL DELINEATION IN THE VICINITY OF THE FORMER USTs, DATA ASSOCIATED WITH THESE WELLS ARE NOT INCLUDED IN THIS ILLUSTRATION. ALL WELLS WITH LNAPL ARE ASSIGNED A VALUE OF 50,000 µg/L FOR THE PURPOSES OF THIS ILLUSTRATION.

N

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC/FARMASONIS PROPERTY

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

GETAWAY TAVERN
24209 56TH AVENUE WEST

242ND ST SOUTHWEST

56TH AVENUE WEST

MOBILE HOMES (RESIDENTIAL)

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 6/16/2008)

LOCATION OF FORMER UST EXCAVATION (1991)

USTS (REISDORFF, 1985)

SUSPECTED UST (K&S, 2001)

USED OIL UST (K&S, 2001)

FORMER UST EXCAVATION (K&S, 2001)

FORMER PUMP ISLANDS

GRASS FIELD

PAVED PARKING

GRAVEL PARKING

CONCRETE CURB (TYP.)

STORM DRAIN (TYP.)

MANHOLE (LABELED "DRAIN")

SIDEWALK (TYP)

EDGE OF PAVEMENT

PLANTER

PARKING

R E S I D E N T I A L

REFERENCES:

AXIS SURVEY & MAPPING, 2012
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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DATE:	05/01/2012
DRAWN BY:	JQC
CHECKED BY:	DHG
CAD FILE:	01-176_2012Q1_GRPH

PROJECT NAME:	TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 6.1
CONCENTRATIONS OF GRPH IN INTERMEDIATE ZONE GROUNDWATER
MARCH 2012

P:\0440 TOC Holdings Co\01-176 Mountlake Terrace\Technical\CAD\2012Q1\01-176_2012Q1_F6-1_F.dwg

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LEGEND

- SOIL BORING (NO WELL INSTALLED) — B27
- GROUNDWATER MONITORING WELL (SHALLOW SCREEN) — MW68
- GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN) — MW83
- GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN) — MW77
- GROUNDWATER MONITORING WELL (DEEP SCREEN) — MW78
- DECOMMISSIONED GROUNDWATER MONITORING WELL — MW17
- CURRENT OR FORMER UST
- GROUNDWATER NOT ENCOUNTERED ON MARCH 1, 2010 (WELL DRY)

BENZENE (µg/L) *

- LNAPL
- 100 - 500
- 5 - 100
- 1 - 5
- 0 - 1

- PROPERTY BOUNDARY
- FD — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- LNAPL — LIGHT NON-AQUEOUS PHASE LIQUIDS IN THE FORM OF A SHEEN OR THICKER PRODUCT ON THE GROUNDWATER TABLE
- UST — UNDERGROUND STORAGE TANK
- 24225 — STREET NUMBER
- µg/L — MICROGRAMS PER LITER
- CATCH BASIN
- MANHOLE
- FORMER INFILTRATION PIT (1975)

NOTES:

THIS FIGURE PROVIDES AN ALGORITHMIC ILLUSTRATION OF THE DISTRIBUTION OF BENZENE IN GROUNDWATER BASED ON MARCH 2012 DATA FOR INTERMEDIATE WELLS (THROUGH MW101).

* IN MARCH 2012, WELLS MW11, MW13, MW16, MW35, MW41 THROUGH MW47, AND MW52 WERE NOMINALLY DRY. WELLS MW21, MW22, MW23, MW25, AND MW28 WERE TEMPORARILY INACCESSIBLE. WELLS MW08, MW24, MW27, MW29, MW37, AND MW38 WERE SEASONALLY REPRESENTATIVE OF SHALLOW ZONE CONDITIONS. EXCEPT FOR WELLS MW27 AND MW38, WHICH ARE NECESSARY FOR LATERAL DELINEATION IN THE VICINITY OF THE FORMER USTs, DATA ASSOCIATED WITH THESE WELLS ARE NOT INCLUDED IN THIS ILLUSTRATION. ALL WELLS WITH LNAPL ARE ASSIGNED A VALUE OF 500 µg/L FOR THE PURPOSES OF THIS ILLUSTRATION.

N

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

TOC/FARMASONIS PROPERTY

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

GETAWAY TAVERN
24309 56TH AVENUE WEST

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST

MOBILE HOMES (RESIDENTIAL)

242ND STREET SOUTHWEST

56TH AVENUE WEST

GRASS FIELD

GRAVEL PARKING

PARKING

PAVED PARKING

PLANTER

SIDEWALK (TYP)

EDGE OF PAVEMENT

CONCRETE CURB (TYP.)

CONCRETE

STORM DRAIN (TYP.)

MANHOLE (LABELED "DRAIN")

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 5/16/2006)

LOCATION OF FORMER UST EXCAVATION (1991)

WATER METER

USTS (REISDORFF, 1985)

SUSPECTED UST (K&S, 2001)

USED OIL UST (K&S, 2001)

FORMER UST EXCAVATION (K&S, 2001)

FORMER PUMP ISLANDS

RESIDENTIAL

REFERENCES:

AXIS SURVEY & MAPPING, 2012
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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DATE: 05/01/2012
DRAWN BY: JQC
CHECKED BY: DHG
CAD FILE: 01-176_2012Q1_BENZENE

PROJECT NAME: TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 6.2
CONCENTRATIONS OF BENZENE IN INTERMEDIATE ZONE GROUNDWATER
MARCH 2012

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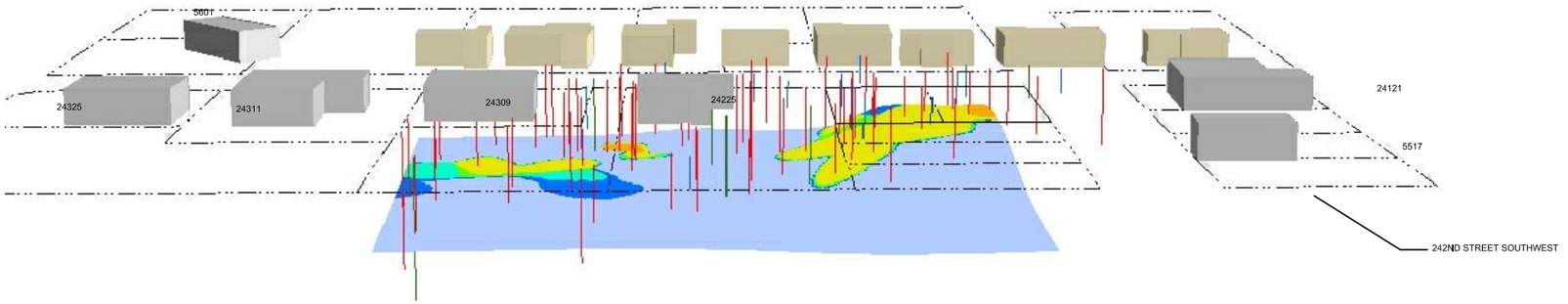
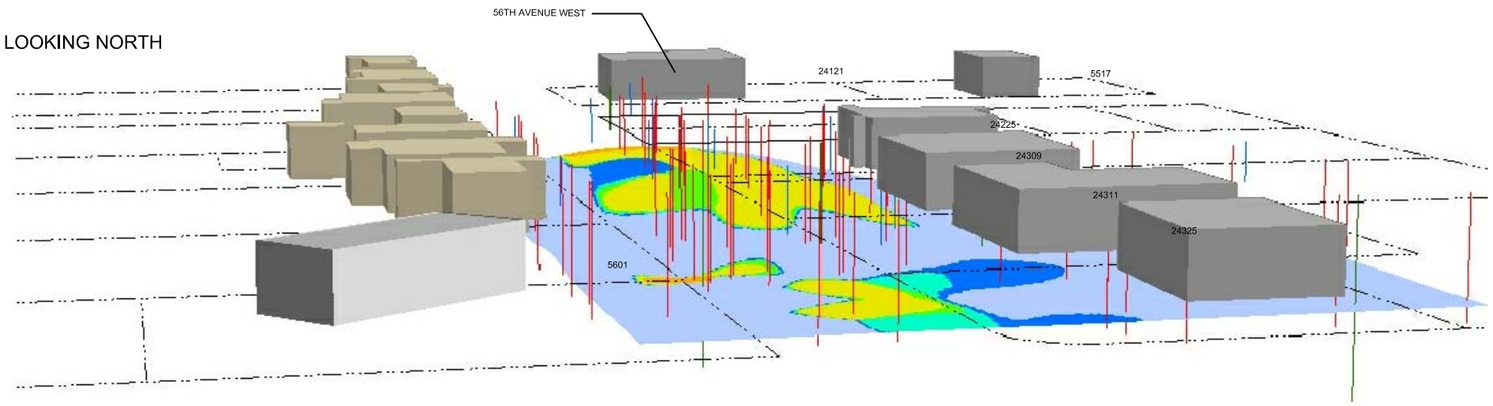
6/25/2012

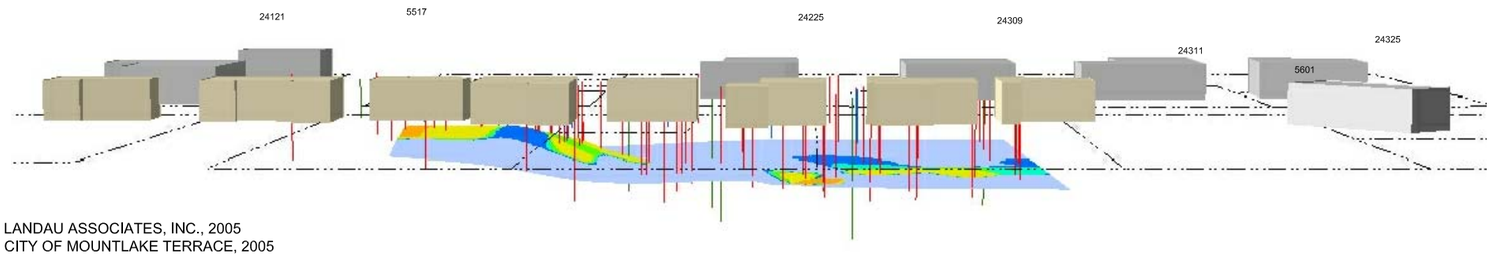
VIEW LOOKING WEST



VIEW LOOKING NORTH



VIEW LOOKING EAST



LEGEND

- SHALLOW ZONE MONITORING WELL (0-20 FEET BGS)
- INTERMEDIATE ZONE MONITORING WELL (20-60 FEET BGS)
- DEEP ZONE MONITORING WELL (OVER 60 FEET BGS)
- PROPERTY BOUNDARY (APPROXIMATE)
- EXISTING COMMERCIAL BUILDING
- EXISTING SINGLE FAMILY RESIDENCE

GRPH (MICROGRAMS PER LITER)

- LNAPL (>50,000)
- 20,000 - 50,000
- 2,000 - 20,000
- 800 - 2,000
- 400 - 800
- 100 - 400
- GROUNDWATER SURFACE (0 - 100)

BGS	BELOW GROUND SURFACE
GRPH	GASOLINE-RANGE PETROLEUM HYDROCARBONS
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUIDS IN THE FORM OF A SHEEN OR THICKER PRODUCT ON THE GROUNDWATER TABLE
24225	STREET NUMBER
>	GREATER THAN

REFERENCES: LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
SNOHOMISH COUNTY ASSESSOR'S OFFICE, 2009

NOTE:

THIS FIGURE PROVIDES AN ALGORITHMIC ILLUSTRATION OF THE DISTRIBUTION OF GRPH IN THE INTERMEDIATE ZONE IN A SERIES OF OBLIQUE ELEVATION VIEWS.

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DATE: 05/09/2012
DRAWN BY: JQC
CHECKED BY: DHG
CAD FILE: 01-176_2012Q1_F7-1

PROJECT NAME: TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

NOT TO SCALE

FIGURE 7.1
ELEVATION VIEW OF GRPH IN INTERMEDIATE ZONE GROUNDWATER
MARCH 2012

P:\0440 TOC Holdings Co\01-176 Mountlake Terrace\Technical\CAD\2012Q1\01-176_2012Q1_F7-1_F.dwg

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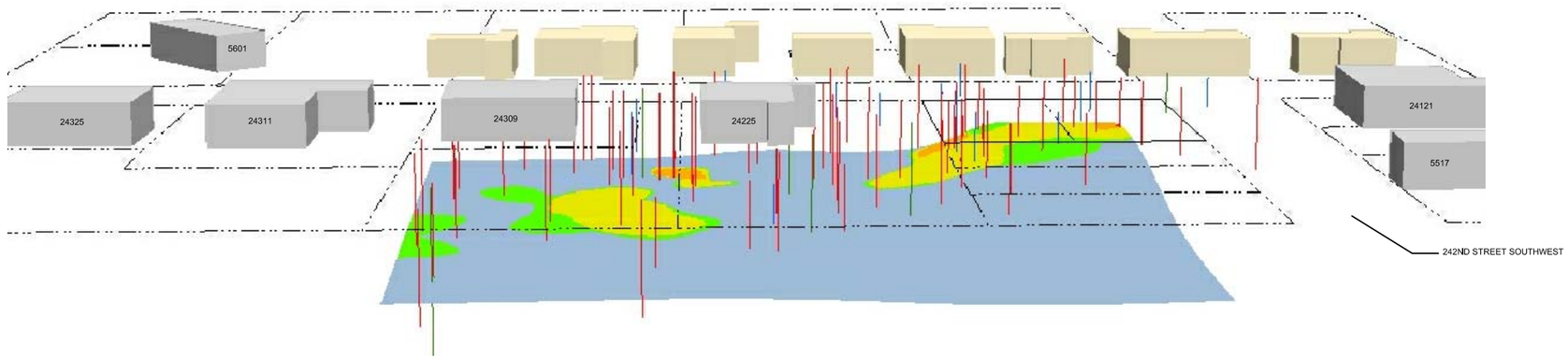
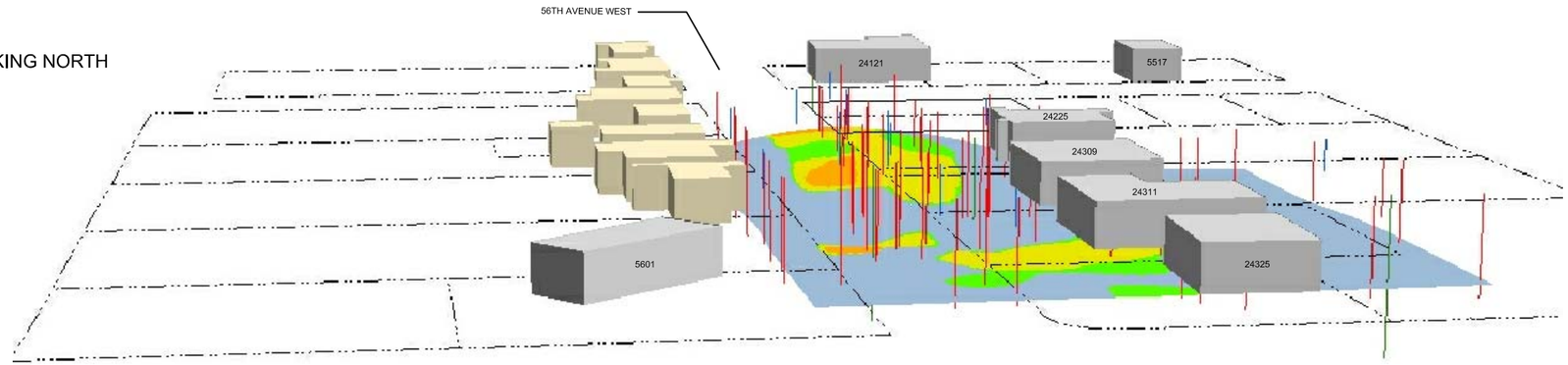
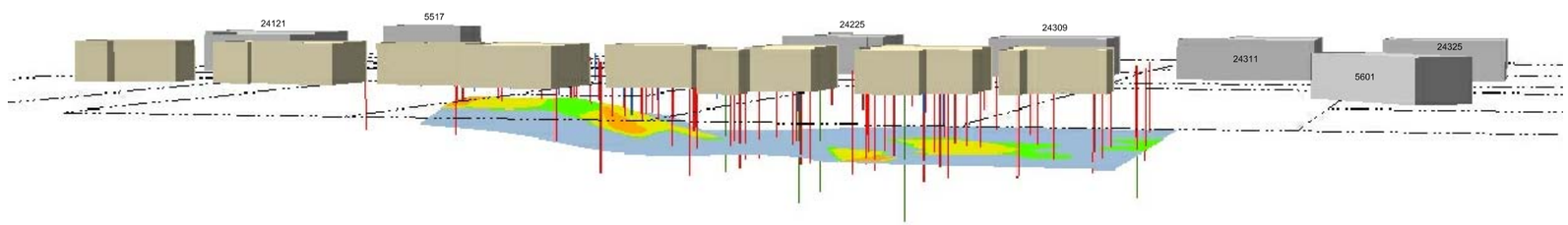
VIEW LOOKING WEST



VIEW LOOKING NORTH



VIEW LOOKING EAST



LEGEND

- SHALLOW ZONE MONITORING WELL (0-20 FEET BGS)
- INTERMEDIATE ZONE MONITORING WELL (20-60 FEET BGS)
- DEEP ZONE MONITORING WELL (OVER 60 FEET BGS)
- PROPERTY BOUNDARY (APPROXIMATE)
- EXISTING COMMERCIAL BUILDING
- EXISTING SINGLE FAMILY RESIDENCE

BENZENE (MICROGRAMS PER LITER)

- LNAPL (>500)
- 100 - 500
- 5 - 100
- 1 - 5
- GROUNDWATER SURFACE (0 - 1)

BGS	BELOW GROUND SURFACE
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUIDS IN THE FORM OF A SHEEN OR THICKER PRODUCT ON THE GROUNDWATER TABLE
24225	STREET NUMBER
>	GREATER THAN

REFERENCES: LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
SNOHOMISH COUNTY ASSESSOR'S OFFICE, 2009.

NOTE:

THIS FIGURE PROVIDES AN ALGORITHMIC ILLUSTRATION OF THE DISTRIBUTION OF BENZENE IN THE INTERMEDIATE ZONE IN A SERIES OF OBLIQUE ELEVATION VIEWS.

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DATE: 05/09/2012
DRAWN BY: JQC
CHECKED BY: DHG
CAD FILE: 01-176_2012Q1_F7-2

PROJECT NAME: TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

NOT TO SCALE

FIGURE 7.2
ELEVATION VIEW OF BENZENE IN INTERMEDIATE ZONE GROUNDWATER
MARCH 2012

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TABLES

SoundEarth Strategies

Table 1
Summary of First Quarter 2012 Groundwater Analytical Results Sorted by Water-Bearing Zone
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Property Owner	Date	Sample Method	Groundwater Elevation (feet)[1]	GRPH[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Total Xylenes[3]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
SHALLOW WATER-BEARING ZONE (0 TO 20 FEET BGS)														
MW02	TOC	03/08/12	Peristaltic Pump	346.04	<100	<1	<1	<1	<3	--	--	--	--	--
MW03	TOC	03/08/12	Peristaltic Pump	348.79	<100	<1	<1	<1	<3	--	--	--	--	--
MW04	ROW (56th)	03/07/12	Peristaltic Pump	347.68	<100	<1	<1	1.5	<3	--	--	--	--	--
MW05	ROW (242nd)	03/08/12	Peristaltic Pump	351.31	<100	<1	<1	<1	12	--	--	--	--	--
MW06	TOC	03/08/12	Peristaltic Pump	345.99	<100	<1	<1	<1	<3	--	--	--	--	--
MW12	ROW (56th)	03/08/12	Peristaltic Pump	346.05	<100	<1	<1	<1	<3	--	--	--	--	--
MW19	TOC	03/09/12	Peristaltic Pump	345.34	<100	<1	<1	<1	<3	--	--	--	--	--
MW34	TOC	03/09/12	Peristaltic Pump	345.56	<100	<1	<1	<1	<3	--	--	--	--	--
MW54	TOC/Farmasonis	03/07/12	Peristaltic Pump	345.25	<100	<1	<1	<1	<3	--	--	--	--	--
MW61	ROW (56th)	03/08/12	Peristaltic Pump	346.68	<100	<1	<1	<1	<3	--	--	--	--	--
MW62	ROW (56th)	03/08/12	Peristaltic Pump	348.50	<100	<1	<1	<1	<3	--	--	--	--	--
MW67	Drake	03/06/12	Peristaltic Pump	341.33	<100	<1	<1	<1	<3	--	--	--	--	--
MW68	Drake	03/06/12	Peristaltic Pump	341.04	<100	<1	<1	<1	<3	--	--	--	--	--
MW79	TOC/Farmasonis	03/07/12	Peristaltic Pump	340.64	<100	<1	<1	<1	<3	--	--	--	--	--
INTERMEDIATE ZONE WELLS THAT INTERSECT SHALLOW ZONE CONDITIONS														
MW08	ROW (56th)	03/08/12	Peristaltic Pump	344.93	<100	<1	<1	<1	<3	--	--	--	--	--
MW24	TOC	03/09/12	Peristaltic Pump	340.84	**4,400**	**7.3**	39	39	770	--	--	--	--	--
MW27	TOC	03/09/12	Peristaltic Pump	343.24	**23,000**	**8.5**	94	620	**3,900**	--	--	--	--	--
MW29	TOC	03/09/12	Peristaltic Pump	345.21	**6,700**	1.5	2.7	220	840	--	--	--	--	--
MW37	TOC	03/08/12	Peristaltic Pump	339.56	<100	<1	<1	<1	<3	--	--	--	--	--
MW38	TOC	03/08/12	Peristaltic Pump	345.17	<100	<1	<1	<1	<3	--	--	--	--	--
UPPER INTERMEDIATE WATER-BEARING ZONE (20 TO 30 FEET BGS)														
MW80	TOC/Farmasonis	03/07/12	Peristaltic Pump	339.58	<100	<1	<1	<1	<3	--	--	--	--	--
MW82	TOC/Farmasonis	03/07/12	Peristaltic Pump	327.07	<100	<1	<1	<1	<3	--	--	--	--	--
MW88	Drake	03/06/12	Peristaltic Pump	336.76	<100	<1	<1	<1	<3	--	--	--	--	--
MW100	TOC/Farmasonis	03/06/12	Bailer	340.08	<100	<1	<1	<1	<3	--	--	--	**50.6**	1.15
MTCA Method A Cleanup Level[6]					**1,000/800[a]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 1
Summary of First Quarter 2012 Groundwater Analytical Results Sorted by Water-Bearing Zone
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Property Owner	Date	Sample Method	Groundwater Elevation (feet)[1]	GRPH[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Total Xylenes[3]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
INTERMEDIATE WATER-BEARING ZONE (20 TO 60 FEET BGS)														
MW09	TOC	03/07/12	Peristaltic Pump	336.97	**11,000**	**30**	76	370	**2,400**	--	--	--	--	--
MW10	TOC	03/07/12	Peristaltic Pump	330.52	**1,400**	**62**	7.3	27	89	--	--	--	--	--
MW11	TOC	03/05/12	Not Sampled	Dry	Dry (Refer to Table 2 for Historical Data)									
MW13	ROW (56th)	03/05/12	Not Sampled	Dry	Dry (Refer to Table 2 for Historical Data)									
MW15	TOC	03/08/12	Bailer	324.38	**8,200**	<5	<5	88	480	--	--	--	--	--
MW16	ROW (242nd)	03/05/12	Not Sampled	Dry	Dry (Refer to Table 2 for Historical Data)									
MW18	TOC	03/07/12	Peristaltic Pump	329.12	**5,900**	**43**	<10	110	720	--	--	--	--	--
MW20	TOC	03/09/12	Peristaltic Pump	330.63	**5,800**	**200**	57	310	480	--	--	--	--	--
MW21	TOC	03/05/12	Not Sampled	--	Wellhead Inaccessible (Refer to Table 2 for Historical Data)									
MW22	TOC	03/05/12	Not Sampled	--	Wellhead Inaccessible (Refer to Table 2 for Historical Data)									
MW23	TOC	03/05/12	Not Sampled	318.25	Insufficient water for sampling (Refer to Table 2 for Historical Data)									
MW25	TOC	03/05/12	Not Sampled	--	Wellhead Inaccessible (Refer to Table 2 for Historical Data)									
MW28	TOC	03/05/12	Not Sampled	--	Wellhead Inaccessible (Refer to Table 2 for Historical Data)									
MW31	TOC/Farmasonis	03/07/12	Bailer	320.74	**2,800**	**7.2**	5.2	23	400	<1	--	<1	**26.5**	**24.6**
MW32	TOC	03/09/12	Peristaltic Pump	337.16	120	3.1	11	1.1	16	--	--	--	--	--
MW33	TOC	03/05/12	Not Sampled	323.94	Insufficient water for sampling (Refer to Table 2 for Historical Data)									
MW35	TOC	03/05/12	Not Sampled	Dry	Dry (Refer to Table 2 for Historical Data)									
MW36	TOC	03/08/12	Bailer	316.38	<100	<1	<1	<1	<3	--	--	--	--	--
MW41	TOC/Farmasonis	03/05/12	Not Sampled	316.13	Insufficient water for sampling.									
MW42	TOC/Farmasonis	03/05/12	Not Sampled	Dry	Dry									
MW43	ROW (56th)	03/05/12	Not Sampled	Dry	Dry									
MW44	ROW (56th)	03/05/12	Not Sampled	Dry	Dry									
MW45	ROW (56th)	03/05/12	Not Sampled	318.47	Insufficient water for sampling (Refer to Table 2 for Historical Data)									
MW46	ROW (56th)	03/05/12	Not Sampled	314.12	Insufficient water for sampling (Refer to Table 2 for Historical Data)									
MW47	ROW (56th)	03/05/12	Not Sampled	Dry	Dry (Refer to Table 2 for Historical Data)									
MW48	ROW (56th)	03/08/12	Bailer	311.86	**37,000**	**220**	140	**770**	**5,400** [ve]	--	--	--	--	--
MW49	ROW (56th)	03/08/12	Bladder Pump	313.01	<100	<1	<1	<1	<3	--	--	--	--	--
MW50	ROW (56th)	03/08/12	Bailer	327.08	<100	<1	<1	<1	<3	--	--	--	--	--
MW51	ROW (56th)	03/08/12	Bailer	310.89	<100	<1	<1	<1	<3	--	--	--	--	--
MW52	ROW (56th)	03/05/12	Not Sampled	Dry	Dry (Refer to Table 2 for Historical Data)									
MW53	ROW (56th)	03/07/12	Bailer	316.30	<100	<1	<1	<1	<3	--	--	--	--	--
MW55	ROW (56th)	03/08/12	Bladder Pump	312.40	<100	<1	<1	<1	<3	--	--	--	--	--
MW56	TOC/Farmasonis	03/06/12	Bladder Pump	312.92	<100	<1	<1	<1	<3	--	--	--	--	--
MW57	TOC/Farmasonis	03/07/12	Bailer	311.96	**2,100**	**9.7**	2.3	87	160	--	--	--	--	--
MW58	TOC/Farmasonis	03/07/12	Bladder Pump	311.69	<100	<1	<1	<1	<3	--	--	--	--	--
MW59	TOC/Farmasonis	03/06/12	Bladder Pump	312.86	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Level[6]					**1,000/800**[a]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 1
Summary of First Quarter 2012 Groundwater Analytical Results Sorted by Water-Bearing Zone
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Property Owner	Date	Sample Method	Groundwater Elevation (feet)[1]	GRPH[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Total Xylenes[3]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
INTERMEDIATE WATER-BEARING ZONE (20 TO 60 FEET BGS), CONTINUED														
MW60	ROW (56th)	03/08/12	Bladder Pump	314.58	<100	<1	<1	<1	<3	--	--	--	<1	<1
MW63	ROW (56th)	03/08/12	Bladder Pump	311.80	<100	<1	<1	<1	<3	--	--	--	--	--
MW65	Drake	03/07/12	Bladder Pump	310.98	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW66	TOC/Farmasonis	03/07/12	Bladder Pump	312.85	<100	<1	<1	<1	<3	--	--	--	--	--
MW69	Drake	03/06/12	Bailer	310.88	**5,400**	1.5	<1	100	440	<1	--	<1	--	--
MW70	Drake	03/06/12	Bailer	311.37	280	**7.6**	<1	<1	4.1	<1	--	<1	--	--
MW75	ROW (56th)	03/07/12	Bladder Pump	311.37	<100	<1	<1	<1	<3	--	--	--	<1	<1
MW76	Drake	03/06/12	Bailer	311.50	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW77	Drake	03/06/12	Bailer	310.78	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW81	TOC/Farmasonis	03/06/12	Bailer	312.44	<100	<1	<1	<1	<3	--	--	--	--	--
MW84	Drake	03/07/12	Bladder Pump	311.01	680	<1	1.6	5.0	14	<1	--	<1	--	--
MW85	Drake	03/06/12	Bladder Pump	310.86	<100	3.1	<1	<1	<3	<1	--	<1	<1	<1
MW86	Drake	03/06/12	Bladder Pump	310.76	140	3.8	<1	<1	<3	<1	--	<1	--	--
MW87	Drake	03/06/12	Bailer	310.89	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW89	Drake	03/06/12	Bladder Pump	311.00	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW90	TOC	03/05/12	Not Sampled	338.03	**LNAPL (0.09 FEET)**									
MW91	TOC	03/08/12	Bailer	337.71	**15,000**	**36**	95	410	**3,100**	--	--	--	**15.9**	<1
MW92	TOC/Farmasonis	03/06/12	Bailer	312.87	<100	<1	<1	<1	<3	--	--	--	4.19	<1
MW93	TOC/Farmasonis	03/06/12	Bailer	312.73	<100	<1	<1	<1	<3	--	--	--	5.60	<1
MW94	TOC/Farmasonis	03/06/12	Bailer	313.11	<100	<1	<1	<1	<3	--	--	--	<1	<1
MW95	Drake	03/07/12	Bailer	311.47	<100	<1	<1	<1	<3	<1	--	<1	2.74	<1
MW96	Drake	03/07/12	Bailer	311.82	<100	<1	<1	<1	<3	<1	--	<1	11.4	<1
MW97	Drake	03/07/12	Bailer	311.46	420	**9.4**	<1	<1	3.4	<1	--	<1	2.07	<1
MW98	Drake	03/08/12	Bailer	311.45	**3,800**	**13**	4.6	56	130	<1	--	<1	1.87	<1
MW99	Drake	03/06/12	Bailer	310.95	<100	2.1	<1	<1	<3	<1	--	<1	1.08	<1
MW101	Drake	03/06/12	Bailer	311.02	<100	<1	<1	<1	<3	<1	--	<1	**22.6**	<1
MTCA Method A Cleanup Level[6]					**1,000/800[a]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 1
Summary of First Quarter 2012 Groundwater Analytical Results Sorted by Water-Bearing Zone
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Property Owner	Date	Sample Method	Groundwater Elevation (feet)[1]	GRPH[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Total Xylenes[3]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
DEEP WATER-BEARING ZONE (OVER 60 FEET BGS)														
MW26	TOC	03/07/12	Bailer	316.38	<100	<1	<1	<1	<3	--	--	--	--	--
MW30	TOC/Farmasonis	03/07/12	Bailer	315.36	<100	<1	<1	<1	<3	--	--	--	--	--
MW39	TOC/Farmasonis	03/07/12	Bailer	314.80	<100	<1	<1	<1	<3	--	--	--	--	--
MW40	TOC/Farmasonis	03/07/12	Bailer	315.16	<100	<1	<1	<1	<3	--	--	--	--	--
MW64	ROW (56th)	03/08/12	Bailer	314.63	<100	<1	<1	<1	<3	--	--	--	--	--
MW78	Drake	03/06/12	Bailer	313.09	<100	<1	<1	<1	<3	<1	--	<1	--	--
MTCA Method A Cleanup Level[6]					**1,000/800[a]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

NOTES:

Results measured in µg/L.

Red denotes concentration exceeds MTCA Method A Cleanup Levels for groundwater.

Samples analyzed by Friedman & Bruya, Inc. of Seattle, Washington.

[1] Elevations in feet above sea level (NAVD88 Datum) by Axis Survey & Mapping, April 2012.

[2]Analyzed by Northwest Total Petroleum Hydrocarbon Method NWTPH-Gx.

[3]Analyzed by EPA Method 8021B.

[4]Analyzed by EPA Method 8260C.

[5]Analyzed by EPA Method 200.8.

[6]MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[a]1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

Laboratory Note:

[ve]Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

— = not sampled/not analyzed

< = not detected at concentration exceeding the value of the laboratory reporting limit

µg/L = micrograms per liter

BGS = below ground surface

Drake = Property at 24309 56th Avenue West

Dry = groundwater not encountered in well

EDB= 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

LNAPL = light non-aqueous phase liquid

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

NE = cleanup level not established

ROW (56th) = 56th Avenue West right-of-way

ROW (242nd) = 242nd Street Southwest right-of-way

TOC = Property at 24205 56th Avenue West (TOC Holdings Co. Facility No. 01-176)

TOC/Farmasonis = Property at 24225 56th Avenue West

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW01[a]	06/15/92	--	6.01	--	348.86	33,000	2,300	1,700	1,400	9,200	--	--	--	--	--
TOC: 354.87	07/30/92	--	8.07	--	346.80	--	--	--	--	--	--	--	--	--	--
	01/11/94	--	12.65	--	342.22	1,600	29	4.6	28	140	--	--	--	--	--
TOC: 354.76	09/11/96	--	11.71	--	343.05	320	2.6	<0.5	15	46	--	--	--	--	--
	03/11/97	--	4.93	--	349.83	<100	<0.5	<0.5	0.6	<1.5	--	--	--	--	--
	09/17/97	--	12.32	--	342.44	76.7	0.595	2.9	1.99	13.4	--	--	--	--	--
	03/16/98	--	6.93	--	347.83	490	1.15	<0.5	7.38	18.2	--	--	--	--	--
	09/08/98	--	17.88	--	336.88	9,320	42.5	998	346	1,550	--	--	--	--	--
	03/19/99	--	2.00	--	352.76	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/17/99	--	11.02	--	343.74	910	<0.5	1.07	4.39	5.57	--	--	--	--	--
	03/23/00	--	5.72	--	349.04	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/28/00	--	16.52	--	338.24	163	0.610	1.31	1.95	38.3	--	--	--	--	--
	04/03/01	--	11.03	--	343.73	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	10/11/01	--	16.62	--	338.14	191	<0.5	1.41	13.4	54.7	--	--	--	--	--
	03/27/02	--	6.18	--	348.58	142	<0.5	0.741	4.84	33.3	--	--	--	--	--
	09/26/02	--	14.22	--	340.54	544	1.15	<0.5	8.38	11.2	--	--	--	--	--
	03/27/03	--	9.12	--	345.64	78.9	<0.5	<0.5	0.634	<1.00	--	--	--	--	--
	10/09/03	--	15.94	--	338.82	160	0.548	<0.5	2.84	11.3	--	--	--	--	--
	03/09/05	--	9.79	--	344.97	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/26/05	--	11.33	--	343.43	<50.0	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	--	--
	12/20/05	--	11.63	--	343.13	<100	<1	<1	<1	<3	<1	<1	<1	1.36	--
	02/24/06	--	6.52	--	348.24	<100	<1	<1	<1	<3	<1	--	--	--	--
	06/01/06	--	8.90	--	345.86	<100	<1	<1	<1	<3	--	--	--	--	--
	08/24/06	--	13.23	--	341.53	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/16/06	--	11.53	--	343.23	<50	<1	<1	<1	<3	--	--	--	--	--
	02/21/07	--	9.86	--	344.90	<100	<1	<1	<1	<3	--	--	--	--	--
	05/24/07	--	11.51	--	343.25	<100	<1	<1	<1	<3	--	--	--	--	--
	07/31/07	--	15.02	--	339.74	<100	<1	<1	<1	<3	--	--	--	--	--
	02/12/08		10.48		344.28	<100	<1	<1	<1	<3	--	--	--	--	--
	10/02/09	D E C O M M I S S I O N E D													
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW02[a]	06/15/92	--	4.00	--	352.44	**13,000**	**590**	**1,900**	350	**2,500**	--	--	--	--	--
TOC: 356.44	07/30/92	--	7.61	--	348.83	--	--	--	--	--	--	--	--	--	--
	01/11/94	--	15.50	--	340.94	**50,000**	**4,600**	**7,300**	**1,200**	**8,300**	--	--	--	--	--
TOC: 355.25	09/11/96	--	11.99	--	343.26	**33,000**	**1,800**	**4,000**	**780**	**5,400**	--	--	--	--	--
	03/11/97	--	6.02	--	349.23	100	4.8	3.7	2.5	16	--	--	--	--	--
	09/17/97	--	12.75	--	342.50	**25,700**	**709**	**2,200**	617	**4,050**	--	--	--	--	--
	03/16/98	--	8.27	--	346.98	**1,700**	**28.3**	53	55	276	--	--	--	--	--
	09/08/98	--	15.90	--	339.35	**15,300**	**259**	**2,040**	<50	**2,700**	--	--	--	--	--
	03/19/99	--	2.79	--	352.46	**3,490**	4.94	41.7	30.6	310	--	--	--	--	--
	09/17/99	--	--	--	--	**9,250**	<25	**1,300**	173	**1,910**	--	--	--	--	--
	03/23/00	--	7.39	--	347.86	**4,920**	<5.0	241	133	**1,000**	--	--	--	--	--
	09/28/00	--	15.37	--	339.88	**20,700**	**135**	**1,830**	**845**	**5,390**	--	--	--	--	--
	04/03/01	--	13.86	--	341.39	**18,800**	<100	351	**802**	**5,050**	--	--	--	--	--
	10/11/01	--	16.33	--	338.92	**16,900**	**69.7**	469	643	**4,650**	--	--	--	--	--
	03/27/02	--	6.79	Trace	348.46	**11,500**	**16.3**	23.0	331	**1,930**	--	--	--	--	--
	09/26/02	--	14.18	Trace	341.07	**8,260**	<5.0	40.6	226	**2,420**	--	--	--	--	--
	03/27/03	--	12.80	--	342.45	**14,700**	<10.0	11.3	324	**3,020**	--	--	--	--	--
	10/09/03	--	14.28	--	340.97	**3,600**	<5.0	11.1	67.5	639	--	--	--	--	--
	03/09/05	--	9.42	--	345.83	**1,400**	<1.00	2.00	4.00	71.0	<3.00	--	--	--	--
	09/26/05	--	9.20	--	346.05	Not sampled; truck parked over wellhead									
	12/21/05	--	11.50	--	343.75	<100	<1	<1	<1	<3	<1	<1	<1	<1	--
	02/23/06	--	5.88	--	349.37	<100	<1	<1	<1	<3	<1	--	--	--	--
	06/01/06	--	7.86	--	347.39	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	12.96	--	342.29	<100	<1	<1	<1	4.2	<1	--	--	--	--
	11/15/06	--	15.89	--	339.36	260	<1	1.1	2	<8.9	--	--	--	--	--
	02/21/07	--	10.38	--	344.87	<100	<1	<1	<1	<3	--	--	--	--	--
	05/23/07	--	11.74	--	343.51	<100	<1	<1	<1	<3	--	--	--	--	--
	08/01/07	--	13.85	--	341.40	<100	<1	<1	<1	<3	--	--	--	--	--
	02/13/08	--	12.04	--	343.21	<100	<1	<1	<1	<3	--	--	--	--	--
	03/04/10	--	9.94	--	345.31	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 358.78	03/08/12	--	12.74	--	346.04	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[b]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW03[a]	06/15/92	--	4.83	--	354.33	**92,000**	**5,800**	**22,000**	**1,900**	**16,000**	--	--	--	--	--
TOC: 359.16	07/30/92	--	8.05	--	351.11	--	--	--	--	--	--	--	--	--	--
	01/11/94	--	14.34	--	344.82	**110,000**	**6,200**	**21,000**	**1,600**	**13,000**	--	--	--	--	--
TOC: 358.40	09/11/96	13.12	13.17	0.05	345.23	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	7.02	Trace	351.38	--	--	--	--	--	--	--	--	--	--
	09/17/97	--	15.82	--	342.58	**80,500**	**836**	**8,740**	**839**	**10,800**	--	--	--	--	--
	03/16/98	--	8.75	Trace	349.65	--	--	--	--	--	--	--	--	--	--
	09/08/98	--	17.44	--	340.96	**63,900**	**303**	**3,700**	**1,030**	**11,800**	--	--	--	--	--
	03/19/99	--	4.66	--	353.74	**8,130**	**13.5**	502	50.6	**1,150**	--	--	--	--	--
	09/17/99	--	13.30	--	345.10	**15,700**	**27.1**	**2,010**	240	**4,270**	--	--	--	--	--
	03/23/00	--	8.14	--	350.26	**25,000**	**88.2**	**2,050**	434	**4,280**	--	--	--	--	--
	09/28/00	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/01	--	15.16	--	343.24	**9,120**	**15.4**	829	124	**2,230**	--	--	--	--	--
	10/11/01	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/02	--	8.63	--	349.77	**1,960**	2.99	88.9	31.6	404	--	--	--	--	--
	09/26/02	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/03	--	12.00	--	346.40	<50.0	0.663	<0.50	<0.50	<1.0	--	--	--	--	--
	10/09/03	--	14.86	--	343.54	**5,040**	**6.79**	166	170	**1,760**	--	--	--	--	--
	03/09/05	--	9.77	--	349.39	730	2.00	2.00	15.0	98.0	<3.00	--	--	--	--
	09/27/05	--	9.35	--	349.81	<50.0	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	--	--
	12/22/05	--	11.01	--	348.15	<100	<1	<1	<1	<3	--	--	--	2.28	--
	02/22/06	--	5.73	--	353.43	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	7.33	--	351.83	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	13.49	--	345.67	**1,000**	<1	1.1	35	188.4	<1	--	--	--	--
	11/14/06	--	17.61	--	340.79	Not sampled; insufficient water to fill sample containers									
	02/20/07	--	10.30	--	348.10	<100	<1	<1	<1	<3	--	--	--	--	--
	05/22/07	--	11.78	--	346.62	<100	<1	<1	<1	<3	--	--	--	--	--
	08/01/07	--	14.08	--	344.32	330	<1	<1	6	31	--	--	--	--	--
	02/13/08	--	12.49	--	345.91	<100	<1	<1	1	5	--	--	--	--	--
	03/04/10	--	9.61	--	348.79	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 361.87	03/08/12	--	13.08	--	348.79	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[b]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW04	07/30/92	--	7.19	--	351.32	**100,000**	**470**	**15,000**	**2,500**	**18,000**	--	--	--	--	--
TOC: 358.51	01/11/94	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/96	--	12.65	--	345.86	**22,000**	**77**	480	600	**4,800**	--	--	--	--	--
	03/11/97	--	6.08	--	352.43	**7,200**	3.2	220	170	**1,400**	--	--	--	--	--
	09/17/97	--	14.76	--	343.75	**17,400**	**30.1**	92.9	78.4	846	--	--	--	--	--
	03/16/98	--	7.95	--	350.56	**37,200**	**44.3**	**3,760**	**804**	**5,970**	--	--	--	--	--
	09/08/98	--	18.03	--	340.48	**22,200**	**77.9**	**1,390**	199	**3,520**	--	--	--	--	--
	03/19/99	--	3.97	--	354.54	**22,900**	**32.7**	**1,300**	334	**3,440**	--	--	--	--	--
	09/17/99	--	12.86	--	345.65	--	--	--	--	--	--	--	--	--	--
	03/23/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/00	--	16.95	--	341.56	**1,010**	<10.5	34.8	243	829	--	--	--	--	--
	04/03/01	--	16.03	--	342.48	**12,900**	<25	102	538	**2,870**	--	--	--	--	--
	10/11/01	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/02	--	6.26	--	352.25	**3,900**	2.95	181	89.1	714	--	--	--	--	--
	09/26/02	--	15.30	--	343.21	**1,000**	1.85	5.97	112	135	--	--	--	--	--
	03/27/03	--	11.92	--	346.59	**38,100**	<50.0	**3,890**	**1,270**	**7,840**	--	--	--	--	--
	10/09/03	--	15.47	--	343.04	**24,900**	<100.0	**1,760**	**1,020**	**7,220**	--	--	--	--	--
	03/09/05	--	9.35	--	349.16	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/26/05	9.20	9.20	0.00	349.31	**LNAPL; not sampled due to heavy sheen**									
	12/22/05	--	11.11	--	347.40	<100	<1	<1	<1	<3	<1	--	--	<1	--
	02/22/06	--	4.25	--	354.26	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	5.00	--	353.51	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	12.76	--	345.75	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/14/06	Not gauged or sampled; inaccessible due to road construction activity													
	02/21/07	--	8.97	--	349.54	<100	<1	<1	<1	<3	--	--	--	--	--
	05/22/07	--	10.84	--	347.67	<100	<1	<1	<1	<3	--	--	--	--	--
	08/01/07	--	13.62	--	344.89	<100	<1	<1	<1	<3	--	--	--	--	--
	02/13/08	--	11.51	--	347.00	<100	<1	<1	<1	4	--	--	--	--	--
	03/02/10	--	8.53	--	349.98	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 362.02	03/07/12	--	14.34	--	347.68	<100	<1	<1	1.5	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW05	07/30/92	--	9.10	--	351.15	<50.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
TOC: 360.25	01/11/94	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/96	--	13.33	--	346.92	88.0	<0.5	0.53	1.1	6.4	--	--	--	--	--
	03/11/97	--	6.15	--	354.10	<100	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	09/17/97	--	13.79	--	346.46	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/16/98	--	7.86	--	352.39	<50.0	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--
	09/08/98	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/19/99	--	4.75	--	355.50	<50.0	<0.5	<0.5	<0.5	1.07	--	--	--	--	--
	09/17/99	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/00	--	7.35	--	352.90	<50.0	<0.5	1.64	0.501	3.43	--	--	--	--	--
	09/28/00	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/01	--	13.39	--	346.86	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	10/11/01	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/02	--	6.41	--	353.84	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/26/02	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/03	--	10.80	--	349.45	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	10/09/03	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/09/05	--	11.57	--	348.68	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/27/05	--	12.57	--	347.68	<50.0	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	--	--
	12/22/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/22/06	--	6.76	--	353.49	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	8.42	--	351.83	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	14.10	--	346.15	Not sampled; insufficient water to fill sample containers									
	11/14/06	--	14.75	--	345.50	Not sampled; insufficient water to fill sample containers									
	02/20/07	--	9.50	--	350.75	<100	<1	<1	<1	<3	--	--	--	--	--
	05/22/07	--	11.35	--	348.90	<100	<1	<1	<1	<3	--	--	--	--	--
	08/03/07	--	14.36	--	345.89	<100	<1	<1	<1	<3	--	--	--	--	--
	02/13/08	--	11.68	--	348.57	<100	<1	<1	<1	<3	--	--	--	--	--
	03/02/12	--	11.68	--	348.57	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 363.76	03/08/12	--	12.45	--	351.31	<100	<1	<1	<1	12	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW06	07/30/92	--	8.66	--	346.71	<50.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
TOC: 355.37	01/11/94	--	12.92	--	342.45	<50.0	<0.5	2	<0.5	2.6	--	--	--	--	--
	09/11/96	--	12.26	--	343.11	<50.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	03/11/97	--	4.96	--	350.41	<100	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	09/17/97	--	12.83	--	342.54	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/16/98	--	6.77	--	348.60	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/08/98	--	15.00	--	340.37	**868**	1.92	73.0	21.3	172	--	--	--	--	--
	03/19/99	--	3.95	--	351.42	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/17/99	--	12.53	--	342.84	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/23/00	--	7.97	--	347.40	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/28/00	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/01	--	11.64	--	343.73	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	10/11/01	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/02	--	6.06	--	349.31	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/26/02	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/03	--	8.10	--	347.27	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	10/09/03	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/09/05	--	9.30	--	346.07	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/26/05	--	12.26	--	343.11	<50.0	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	--	--
	12/22/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/22/06	--	5.93	--	349.44	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	9.88	--	345.49	<100	<1	<1	<1	<3	--	--	--	--	--
	08/22/06	--	14.68	--	340.69	Not sampled; insufficient water to fill sample containers									
	11/14/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/21/07	--	10.05	--	345.32	<100	<1	<1	<1	<3	--	--	--	--	--
	05/22/07	--	12.79	--	342.58	<100	<1	<1	<1	<3	--	--	--	--	--
	07/31/07	--	14.71	--	340.66	Not sampled; insufficient water to fill sample containers									
	02/13/08	--	10.96	--	344.41	<100	<1	<1	<1	<3	--	--	--	--	--
	03/04/10	--	9.42	--	345.95	<100	<1	<1	<1	<3	<1	<1	<1	--	--
	07/08/10	--	12.49	--	342.88	Not sampled, just gauged.									
TOC: 358.86	03/08/12	--	12.87	--	345.99	<100	<1	<1	<1	<3	--	--	--	--	--
MW07	07/30/92	--	8.40	--	344.58	<50.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
TOC: 352.98	01/11/94	--	12.93	--	340.05	<50.0	<0.5	<0.59	<0.5	<1.0	--	--	--	--	--
	09/11/96	--	11.95	--	341.03	<50.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	03/11/97	--	5.63	--	347.35	<100	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	09/17/97	--	12.00	--	340.98	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/16/98	--	7.70	--	345.28	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/08/98	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/19/99	--	2.91	--	350.07	<50.0	<0.5	1.07	<0.5	2.66	--	--	--	--	--
	09/17/99	--	11.77	--	341.21	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/23/00	--	6.80	--	346.18	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/28/00	--	13.92	--	339.06	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	04/03/01	--	12.51	--	340.47	604	<0.5	<0.5	<0.5	3.17	--	--	--	--	--
	10/11/01	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/02	--	7.05	--	345.93	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/26/02	--	13.52	--	339.46	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/27/03	--	11.22	--	341.76	<50.0	<0.5	1.41	0.745	4.08	--	--	--	--	--
	10/09/03	--	14.31	--	338.67	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	11/08/04	--	12.27	--	340.71	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	11/29/04	D E C O M M I S S I O N E D													
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW08	01/11/94	--	24.86	--	332.06	290	0.53	0.54	<0.5	<1.0	--	--	--	--	--
TOC: 356.92	09/11/96	--	22.30	--	334.62	<50.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	03/11/97	--	9.68	--	347.24	<100	<0.5	<0.5	<1.5	<1.5	--	--	--	--	--
	09/17/97	--	24.18	--	332.74	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/16/98	--	12.53	--	344.39	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/08/98	--	25.59	--	331.33	60.0	<0.5	2.33	1.21	10.5	--	--	--	--	--
	03/19/99	--	3.23	--	353.69	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/17/99	--	9.30	--	347.62	<50.0	<0.5	0.508	<0.5	1.30	--	--	--	--	--
	03/23/00	--	7.57	--	349.35	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/28/00	--	25.70	--	331.22	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	04/03/01	--	24.35	--	332.57	<50.0	<0.5	<0.5	1.53	7.92	--	--	--	--	--
	10/11/01	--	26.61	--	330.31	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/27/02	--	8.08	--	348.84	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/26/02	--	24.66	--	332.26	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/27/03	--	15.13	--	341.79	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	10/09/03	--	25.82	--	331.10	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/09/05	--	12.46	--	344.46	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/26/05	--	12.87	Sheen	344.05	Not sampled due to apparent sheen									
	12/22/05	--	11.30	--	345.62	<100	<1	<1	<1	<3.6	--	--	--	<1	--
	02/22/06	--	4.36	--	352.56	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	6.41	--	350.51	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	17.30	--	339.62	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/14/06	--	23.77	--	333.15	<50	<1	<1	<1	<3	--	--	--	--	--
	02/21/07	--	10.91	--	346.01	<100	<1	<1	<1	<3	--	--	--	--	--
	05/22/07	--	14.09	--	342.83	<100	<1	<1	<1	<3	--	--	--	--	--
	08/02/07	--	21.83	--	335.09	<100	<1	<1	<1	<3	--	--	--	--	--
	02/12/08	--	12.56	--	344.36	<100	<1	<1	<1	<3	--	--	--	--	--
	03/02/10	--	9.61	--	347.31	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 360.40	03/08/12	--	15.47	--	344.93	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW09[a]	01/11/94	--	30.27	--	327.57	94,000	16,000	26,000	1,800	13,000	--	--	--	--	--
TOC: 357.84	09/11/96	26.70	28.41	1.71	328.45	LNAPL									
TOC: 356.86	03/11/97	--	21.42	--	335.44	LNAPL; not sampled due to sheen									
	09/17/97	--	29.90	--	326.96	17,200	157	82.8	<10	2,690	--	--	--	--	--
	03/16/98	21.96	21.97	0.01	334.89	LNAPL									
	09/08/98	31.83	31.84	0.01	325.02	LNAPL									
	03/19/99	16.97	16.98	0.01	339.88	LNAPL									
	09/17/99	25.05	25.06	0.01	331.80	LNAPL									
	03/23/00	--	20.25	--	336.61	LNAPL; not sampled due to sheen									
	09/28/00	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/01	--	28.64	--	328.22	LNAPL; not sampled due to sheen									
	10/11/01	--	29.71	--	327.15	18,400	495	904	270	5,110	--	--	--	--	--
	03/27/02	--	19.27	--	337.59	14,000	131	1,370	190	4,000	--	--	--	--	--
	09/26/02	--	27.47	--	329.39	26,500	740	1,940	669	5,790	--	--	--	--	--
	03/27/03	--	24.82	--	332.04	42,700	264	3,040	777	9,500	--	--	--	--	--
	10/09/03	--	27.54	--	329.32	1,400	33.2	119	41.8	386	--	--	--	--	--
	03/09/05	--	16.75	--	340.11	15,000	94.0	160	120	2,200	<30.0	--	--	--	--
	09/27/05	Unable to gauge; probe diameter too large				2,320	<1.00	6.21	41.8	575	<5.00	<1.00	<1.00	--	--
	12/22/05	--	22.33	--	334.53	2,200	<1	10	26	990	--	--	--	1.07	--
	02/22/06	--	11.51	--	345.35	660	<1	<1	11	147	<1	--	--	--	--
	06/01/06	--	14.34	--	342.52	1,500	1,500	4	40	450	--	--	--	--	--
	08/24/06	--	25.79	--	331.07	24,000	330	420	550	4,800	<1	--	--	--	--
	11/15/06	--	34.12	--	322.74	3,800	360	150	68	1,820	--	--	--	--	--
	02/20/07	--	19.79	--	337.07	4,100	5	32	83	1,100	--	--	--	--	--
	05/23/07	--	23.19	--	333.67	13,000	91	270	330	3,100	--	--	--	--	--
	08/01/07	--	26.98	--	329.88	4,800	59	120	100	1,200	--	--	--	--	--
	02/12/08	--	23.30	--	333.56	5,900	23	100	96	1,500	--	--	--	--	--
	03/04/10	--	17.50	--	339.36	5,000	<1	4	45	980	<1	<1	<1	--	--
TOC: 360.32	03/07/12	--	23.35	--	336.97	11,000	30	76	370	2,400	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW10[a]	11/20/95	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
TOC: 354.43	09/11/96	33.36	33.63	0.27	320.80	LNAPL									
	03/11/97	28.41	28.50	0.09	325.93	LNAPL									
	09/17/97	--	35.20	Trace	319.23	34,500	1,430	2,710	188	5,720	--	--	--	--	--
	03/16/98	--	26.67	--	327.76	--	--	--	--	--	--	--	--	--	--
	09/08/98	--	35.12	--	319.31	18,400	1,470	1,050	283	3,990	--	--	--	--	--
	03/19/99	24.39	24.43	0.04	330.00	LNAPL									
	09/17/99	--	32.43	--	322.00	26,000	1,090	2,130	621	6,180	--	--	--	--	--
	03/23/00	--	--	--	--	33,200	1,290	3,650	903	7,130	--	--	--	--	--
	09/28/00	--	33.02	Trace	321.41	11,900	608	645	54.0	3,270	--	--	--	--	--
	04/03/01	--	--	--	--	19,600	979	1,360	532	414	--	--	--	--	--
	10/11/01	--	32.73	--	321.70	9,110	342	478	94.5	2,050	--	--	--	--	--
	03/27/02	--	25.09	--	329.34	39,600	548	1,950	419	2,480	--	--	--	--	--
	09/26/02	--	27.90	--	326.53	72,800	5,130	8,260	1,640	11,800	--	--	--	--	--
	03/27/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/03	--	--	--	--	26,500	2,390	2,870	948	6,670	--	--	--	--	--
	03/09/05	--	26.04	--	328.39	15,000	580	820	320	2,100	<150	--	--	--	--
	09/26/05	--	25.56	--	328.87	1,440	38.4	79.2	24.9	150.4	<5.00	<1.00	<1.00	--	--
	12/20/05	--	28.40	--	326.03	15,000	960	670	560	3,700	<1	<1	<1	9.39	--
	02/24/06	--	22.68	--	331.75	830	20	89	22	141	<1	--	--	--	--
	06/01/06	--	24.09	--	330.34	2,600	19	67	28	360	--	--	--	--	--
	08/24/06	--	27.64	--	326.79	4,800	150	98	110	1,010	<1	--	--	--	--
	11/14/06	--	34.02	--	320.41	Not sampled; too deep for peristaltic pump and bailer obstructed by packer									
	02/20/07	25.16	25.21	0.05	329.26	LNAPL									
	05/22/07	27.10	27.18	0.08	327.31	LNAPL									
	08/02/07	--	37.89	--	316.54	7,700	200	100	92	780	--	--	--	--	--
	02/13/08	--	26.64	--	327.79	1,700	66	29	17	160	--	--	--	--	--
	03/04/10	--	25.23	--	329.20	320	3	<1	<1	7	<1	<1	<1	--	--
TOC: 357.97	03/07/12	--	27.45	--	330.52	1,400	62	7.3	27	89	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW11[a]	11/20/95	27.33	27.33	--	330.79	**15,000**	**1,000**	**3,800**	570	**3,300**	--	--	--	--	--
TOC: 358.12	09/11/96	34.29	34.56	0.27	323.56	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	19.83	Trace	338.29	--	--	--	--	--	--	--	--	--	--
	09/17/97	--	25.24	--	332.88	**17,800**	**393**	**2,030**	67.4	**2,480**	--	--	--	--	--
	03/16/98	--	20.61	Trace	337.51	--	--	--	--	--	--	--	--	--	--
	09/08/98	--	25.41	--	332.71	**6,220**	**189**	461	12.5	**1,380**	--	--	--	--	--
	03/19/99	19.39	19.40	0.01	338.72	--	--	--	--	--	--	--	--	--	--
	09/17/99	--	24.89	--	333.23	**11,200**	**120**	**1,250**	152	**2,790**	--	--	--	--	--
	03/23/00	--	20.64	Trace	337.48	--	--	--	--	--	--	--	--	--	--
	09/28/00	26.22	26.23	0.01	331.89	--	--	--	--	--	--	--	--	--	--
	04/03/01	--	25.14	--	332.98	**38,700**	**403**	**4,950**	**1,530**	**9,860**	--	--	--	--	--
	10/16/01	--	28.49	Trace	329.63	--	--	--	--	--	--	--	--	--	--
	04/02/02	20.18	20.20	0.02	337.92	--	--	--	--	--	--	--	--	--	--
	09/26/02	--	25.19	--	332.93	**15,400**	**120**	556	420	**3,500**	--	--	--	--	--
	03/27/03	--	22.84	--	335.28	**72,900**	**88.2**	**5,330**	**2,100**	**16,900**	--	--	--	--	--
	10/09/03	--	26.25	--	331.87	**21,100**	**109**	**1,430**	625	**7,020**	--	--	--	--	--
	03/09/05	22.00	22.01	0.01	336.11	--	--	--	--	--	--	--	--	--	--
	09/27/05	--	21.86	--	336.26	**50,300**	**22.2**	**2,710**	**2,050**	**14,930**	<5.00	<1.00	<1.00	--	--
	12/21/05	--	22.69	--	335.43	**44,000**	**32**	**2,200**	**2,700**	**17,600**	<1	<1	<1	<1	--
	02/22/06	--	18.42	--	339.70	**45,000**	**12**	**1,200**	**2,200**	**13,600**	<1	--	--	--	--
	05/31/06	--	16.85	--	341.27	**48,000**	**55**	**1,700**	**2,500**	**14,000**	--	--	--	--	--
	08/23/06	--	23.53	--	334.59	**53,000**	**24**	**2,000**	**2,200**	**15,200**	<1	--	--	--	--
	11/14/06	26.90	27.02	0.12	331.20	**LNAPL**									
	02/20/07	--	20.58	--	337.54	**48,000**	**68**	800	**2,000**	**12,000**	--	--	--	--	--
	05/22/07	22.40	22.41	0.01	335.72	**LNAPL**									
	08/01/07	--	24.22	--	333.90	**45,000**	**64**	**1,100**	**1,800**	**12,000**	--	--	--	--	--
	02/12/08	--	21.71	--	336.41	**48,000**	**41**	**640**	**1,700**	**14,000**	--	--	--	--	--
	03/04/10	--	19.74	--	338.38	**44,000**	**22**	**350**	**1,400**	**8,400**	<1	<1	<1	--	--
TOC: 362.25	03/05/12	--	Dry	--	--	Dry									
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[b]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW12	10/11/01	--	16.34	--	337.85	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
TOC: 354.19	03/27/02	--	7.01	--	347.18	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	09/26/02	--	13.60	--	340.59	<50.0	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--
	03/27/03	--	11.20	--	342.99	<50.0	<0.5	1.00	0.556	2.29	--	--	--	--	--
	10/09/03	--	15.10	--	339.09	<50.0	<0.5	<0.5	<0.50	<1.0	--	--	--	--	--
	03/09/05	--	11.06	--	343.13	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/26/05	--	12.97	--	341.22	<50.0	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	--	--
	12/22/05	--	13.37	--	340.82	<100	<1	<1	<1	<3	<1	--	--	<1	--
	02/22/06	--	6.34	--	347.85	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	8.65	--	345.54	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	12.12	--	342.07	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/16/06	--	15.61	--	338.58	<50	<1	<1	<1	<3	--	--	--	--	--
	02/21/07	--	9.66	--	344.53	<100	<1	<1	<1	<3	--	--	--	--	--
	05/23/07	--	10.80	--	343.39	<100	<1	<1	<1	<3	--	--	--	--	--
	08/02/07	--	13.02	--	341.17	<100	<1	<1	<1	<3	--	--	--	--	--
	02/13/07	--	10.59	--	343.60	<100	<1	<1	<1	<3	--	--	--	--	--
	05/14/08	--	10.30	--	343.89	Not sampled; just gauged									
	03/02/10	--	9.03	--	345.16	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 357.69	03/08/12	--	11.64	--	346.05	<100	<1	<1	<1	<3	--	--	--	--	--
MW13	10/11/01	--	Dry	--	Dry	--	--	--	--	--	--	--	--	--	--
TOC: 353.87	03/27/02	--	40.57	--	313.30	**11,300**	**1,450**	<25.0	**1,210**	**1,470**	--	--	--	--	--
	09/26/02	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/03	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/03	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	03/09/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/05	--	41.69	--	312.18	NA[7]	NA[7]	NA[7]	NA[7]	NA[7]	NA[7]	--	--	--	--
	12/22/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/02/06	--	41.59	--	312.28	**8,400**	**520**	9.4	680	**1,239**	<1	<1	3.5	--	--
	02/22/06	--	41.36	--	312.51	--	--	--	--	--	--	--	--	--	--
	05/31/06	--	41.29	--	312.58	**6,700**	**340**	22	520	810	--	--	--	--	--
	08/23/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/20/07	--	41.21	--	312.66	Not sampled; insufficient water to fill sample containers									
	05/22/07	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	02/13/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	05/14/08	--	Dry	--	--	Not sampled; just gauged									
	03/04/10	--	41.23	--	312.64	**1,700**	**60**	17	94	150	<1	<1	1.7	--	--
TOC: 357.39	03/05/12	--	Dry	--	--	Dry									
MW14	11/29/04	D E C O M M I S S I O N E D													
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW15	10/29/04	--	36.37	--	318.02	**5,400**	<10.0	46.0	270	880	--	--	--	--	--
TOC: 354.39	03/09/05	33.12	33.16	0.04	321.23	--	--	--	--	--	--	--	--	--	--
	09/26/05	32.32	32.67	0.35	322.00	**LNAPL**									
	12/22/05	32.64	32.89	0.25	321.70	**LNAPL**									
	02/22/06	--	29.47	--	324.92	Not sampled; absorbent socks in well									
	06/01/06	--	30.55	--	323.84	**12,000**	**28**	23	470	**1,700**	--	--	--	--	--
	08/23/06	--	37.29	--	317.10	**LNAPL**									
	11/14/06	36.65	36.68	0.03	317.73	**LNAPL**									
	02/20/07	--	--	--	--	**Not measured; LNAPL, absorbent socks in well.**									
	05/22/07	33.00	33.00	0.00	321.39	**LNAPL**									
	08/01/07	--	34.31	--	320.08	**Not sampled; absorbent socks in well**									
	02/11/08	34.60	34.62	0.02	319.79	**LNAPL**									
	03/01/10	31.95	32.12	0.17	322.41	**LNAPL**									
	12/06/10	36.29	36.46	0.17	318.07	Not sampled, just gauged for LNAPL recovery									
TOC: 357.5	03/08/12	--	33.12	--	324.38	**8,200**	<5	<5	88	480	--	--	--	--	--
MW16	03/09/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
TOC: 361.89	09/26/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/22/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	06/01/06	--	45.05	--	316.84	<100	<1	<1	<1	<3	--	--	--	--	--
	08/23/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/20/07	--	46.30	--	315.59	<100	<1	<1	<1	<3	--	--	--	--	--
	05/23/07	--	46.06	--	315.83	<100	<1	<1	<1	<3	--	--	--	--	--
	07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	02/11/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	03/02/10	--	45.54	--	316.35	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 365.24	03/05/12	--	Dry	--	--	Dry									
MW17	07/27/04	--	43.18	--	309.47	<80	<0.5	<0.5	<0.5	<1.5	--			--	--
TOC: 352.65	11/29/04	D E C O M M I S S I O N E D													
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID		Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW18		03/09/05	35.18	35.33	0.15	319.49	--	--	--	--	--	--	--	--	--	--
TOC:	354.82	09/26/05	12.94	13.15	0.21	341.84	LNAPL									
		12/22/05	35.72	35.72	0.00	319.10	LNAPL									
		02/22/06	Not gauged or sampled; vehicle parked over vault lid.													
		06/01/06	--	29.65	--	325.17	32,000	290	340	1,100	7,000	--	--	--	--	--
		08/22/06	LNAPL; absorbent socks in well													
		11/14/06	LNAPL; absorbent socks in well													
		02/20/07	Not sampled; truck parked over well-head													
		05/22/07	--	36.00	--	318.82	22,000	96	63	440	4,200	--	--	--	--	--
		07/31/07	--	37.01	--	317.81	LNAPL; absorbent socks in well									
		02/14/08	--	35.58	--	319.24	13,000	98	28	<10	2,200	--	--	--	--	--
		03/04/10	--	32.35	--	322.47	12,000	96	28	270	1,600	<1	<1	<1	--	--
TOC:	357.86	03/07/12	--	28.74	--	329.12	5,900	43	<10	110	720	--	--	--	--	--
MW19		03/09/05	--	11.25	--	344.17	<50.0	<1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
TOC:	355.42	09/26/05	11.29	11.30	0.01	344.13	LNAPL									
		12/21/05	--	13.13	--	342.29	<100	<1	<1	<1	<3	<1	--	--	<1	--
		02/22/06	--	7.96	--	347.46	<100	<1	<1	<1	<3	<1	--	--	--	--
		06/01/06	--	9.91	--	345.51	<100	<1	<1	<1	<3	--	--	--	--	--
		08/24/06	--	14.12	--	341.30	<100	<1	<1	<1	<3	<1	--	--	--	--
		11/15/06	--	18.19	--	337.23	<50	<1	<1	<1	<3	--	--	--	--	--
		02/20/07	--	12.47	--	342.95	<100	<1	<1	<1	<3	--	--	--	--	--
		05/24/07	--	13.63	--	341.79	<100	<1	<1	<1	<3	--	--	--	--	--
		08/01/07	--	14.89	--	340.53	<100	<1	<1	<1	<3	--	--	--	--	--
		02/12/08	--	13.64	--	341.78	<100	<1	<1	<1	<3	--	--	--	--	--
		03/04/10	--	11.98	--	343.44	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	358.90	03/09/12	--	13.56	--	345.34	<100	<1	<1	<1	<3	--	--	--	--	--
MW20		03/09/05	27.86	27.88	0.02	328.59	LNAPL									
TOC	356.47	09/26/05	26.16	28.25	2.09	329.89	LNAPL									
		12/20/05	--	29.08	--	327.39	13,000	740	640	330	2,790	<1	--	--	4.69	--
		02/22/06	--	24.60	--	331.87	25,000	710	1,800	710	5,100	<1	--	--	--	--
		05/31/06	26.30	26.41	0.11	330.15	LNAPL									
		08/22/06	29.71	29.73	0.02	326.76	LNAPL; absorbent socks in well									
		11/14/06	36.00	36.00	0.00	320.47	LNAPL; absorbent socks in well									
		02/20/07	27.19	27.22	0.03	329.27	LNAPL									
		05/22/07	28.82	28.94	0.12	327.63	LNAPL; absorbent socks in well									
		07/31/07	--	31.01	--	325.46	Not sampled; absorbent socks in well									
		02/13/08	--	28.65	--	327.82	20,000	450	990	450	3,600	--	--	--	--	--
		03/04/10	--	27.16	--	329.31	11,000	390	1,100	390	1,700	<1	<1	<5	--	--
TOC:	359.98	03/09/12	--	29.35	--	330.63	5,800	200	57	310	480	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW21[a]	10/29/04	--	29.90	--	326.51	**4,800**	**200**	140	9.00	470	--	--	--	--	--
TOC: 356.41	03/09/05	--	28.35	--	328.06	**1,600**	**92.0**	64.0	39.0	170	<3.00	--	--	--	--
	09/26/05	Unable to gauge; probe diameter too large				<50.0	<1.00	1.76	<1.00	<3.59	<5.00	<1.00	<1.00	--	--
	12/20/05	--	29.63	--	326.78	**1,700**	**61**	320	42	249	<1	<1	<1	4.52	--
	02/22/06	--	25.00	--	331.41	130	1.9	6.8	3.4	14.8	<1	--	--	--	--
	05/31/06	--	26.58	--	329.83	130	2	11	2	20	--	--	--	--	--
	08/23/06	--	30.31	--	326.10	340	**38**	25	8.2	100	<1	--	--	--	--
	11/14/06	--	39.35	--	317.06	Not sampled; insufficient water to fill sample containers									
	02/21/07	--	27.75	--	328.66	310	3	30	6.5	47	--	--	--	--	--
	05/23/07	--	29.69	--	326.72	<100	2	1	<1	5	--	--	--	--	--
	08/02/07	--	31.69	--	324.72	**2,500**	**140**	17	65	550	--	--	--	--	--
	02/13/08	--	29.50	--	326.91	**940**	2	6	6	78	--	--	--	--	--
	05/14/08	--	29.38	--	327.03	Not sampled; just gauged									
	03/04/10	--	28.65	--	327.76	370	<1	5	3	32	<1	<1	<1	--	--
	03/05/12	--	--	--	--	Wellhead inaccessible									
MW22[a]	10/29/04	--	30.27	--	325.34	130	4.00	<1.00	<1.00	19.0	--	--	--	--	--
TOC: 355.61	03/09/05	--	26.98	--	328.63	<50.0	1.00	<1.00	<1.00	<3.00	<3.00	--	--	--	--
	09/26/05	Unable to gauge; probe diameter too large				<50.0	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	--	--
	12/20/05	--	28.27	--	327.34	<100	<1	<1	<1	<3	<1	<1	<1	<1	--
	02/22/06	--	23.02	--	332.59	<100	<1	<1	<1	<3	<1	--	--	--	--
	06/01/06	--	25.14	--	330.47	<100	<1	<1	<1	<3	--	--	--	--	--
	08/24/06	--	28.25	--	327.36	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/15/06	--	37.62	--	317.99	550	**5.1**	<1	<1	<3	--	--	--	--	--
	02/20/07	--	26.45	--	329.16	<100	<1	<1	<1	<3	--	--	--	--	--
	05/24/07	--	28.20	--	327.41	<100	<1	<1	<1	<3	--	--	--	--	--
	08/02/07	--	30.72	--	324.89	<100	<1	<1	<1	<3	--	--	--	--	--
	02/13/08	--	27.82	--	327.79	<100	<1	<1	<1	<3	--	--	--	--	--
	03/04/10	--	26.55	--	329.06	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 358.56	03/05/12	--	--	--	--	Wellhead inaccessible									
MW23	10/29/04	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
TOC: 356.61	03/09/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/05	--	39.12	--	317.49	Not sampled; insufficient water to fill sample containers									
	12/22/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/22/06	--	38.05	--	318.56	**1,100**	4.9	<1	65	7.8	<1	--	--	--	--
	06/01/06	--	38.79	--	317.82	760	3	2.1	18	22	--	--	--	--	--
	08/22/06	--	39.12	--	317.49	Not sampled; insufficient water to fill sample containers									
	11/14/06	--	39.38	--	317.23	Not sampled; insufficient water to fill sample containers									
	02/21/07	--	38.12	--	318.49	<100	<1	<1	<1	<3	--	--	--	--	--
	05/24/07	--	38.88	--	317.73	330	1	<1	<1	<3	--	--	--	--	--
	07/31/07	--	39.10	--	317.51	Not sampled; insufficient water to fill sample containers									
	02/11/08	--	38.55	--	318.06	<100	<1	<1	<1	<3	--	--	--	--	--
	03/04/10	--	38.46	--	318.15	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 357.13	03/05/12	--	38.88	--	318.25	Not sampled; insufficient water to fill sample containers									
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[b]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW24[a]	10/29/04	--	26.61	--	332.64	**45,000**	**440**	**2,300**	570	**7,800**	--	--	--	--	--
TOC: 359.25	03/09/05	--	15.85	--	343.40	**19,000**	**74.0**	210	98.0	**2,700**	<30.0	--	--	--	--
	09/27/05	Unable to gauge; probe diameter too large				478	<1.00	1.08	4.19	82.9	<5.00	<1.00	<1.00	--	--
	12/22/05	--	11.01	--	348.24	<100	<1	<1	1.0	11.8	<1	--	--	<1	--
	02/22/06	--	8.91	--	350.34	<100	<1	<1	<1	4.8	<1	--	--	--	--
	06/01/06	--	9.98	--	349.27	<100	<1	<1	<1	6	--	--	--	--	--
	08/23/06	--	20.21	--	339.04	**8,400**	<1	32	98	**1,930**	<1	--	--	--	--
	11/15/06	--	36.05	--	323.20	**16,000**	**77**	250	240	**2,870**	--	--	--	--	--
	02/21/07	--	14.24	--	345.01	460	<1	2	6	78	--	--	--	--	--
	05/22/07	--	16.73	--	342.52	**5,700**	2	29	41	**1,000**	--	--	--	--	--
	08/01/07	--	25.59	--	333.66	**9,000**	**39**	140	97	**2,400**	--	--	--	--	--
	02/12/08	--	19.68	--	339.57	**1,800**	<1	4	4	140	--	--	--	--	--
	02/04/09	--	21.94	--	337.31	**11,000**	**27**	190	180	**2,290**	<1	--	--	--	--
	07/30/09	26.82	26.82	0.00	332.43	**15,000**	**130**	230[ve]	<1	**3,400**	<1	<1	<1	--	--
	03/04/10	--	13.43	0.00	345.82	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 361.85	03/09/12	--	21.01	--	340.84	**4,400**	**7.3**	39	39	770	--	--	--	--	--
MW25[a]	10/29/04	--	29.40	--	326.91	**57,000**	**860**	**6,700**	**810**	**8,700**	--	--	--	--	--
TOC: 356.31	03/09/05	--	27.61	--	328.70	**38,000**	**670**	**2,700**	**750**	**6,500**	<150	--	--	--	--
	09/27/05	Unable to gauge; probe diameter too large				**20,800**	**378**	**1,070**	106	**4,390**	<5.00	<1.00	<1.00	--	--
	12/21/05	--	28.20	--	328.11	**25,000**	**670**	**2,600**	**830**	**6,700**	<1	<1	<5	8.47	--
	02/22/06	--	23.68	--	332.63	**24,000**	**420**	**2,300**	510	**5,400**	<1	--	--	--	--
	06/01/06	--	25.56	--	330.75	**25,000**	**390**	**2,100**	**750**	**6,300**	--	--	--	--	--
	08/24/06	--	28.97	--	327.34	**21,000**	**320**	840	**890**	**7,300**	<1	--	--	--	--
	11/15/06	--	36.08	--	320.23	**32,000**	**66**	<50	<50	**6,800**	--	--	--	--	--
	02/22/07	--	26.41	--	329.90	**27,000**	**370**	**2,100**	**730**	**6,500**	--	--	--	--	--
	05/23/07	--	27.94	--	328.37	**26,000**	**220**	**1,400**	630	**5,800**	--	--	--	--	--
	08/02/07	--	29.75	--	326.56	**24,000**	**280**	770	**730**	**5,200**	--	--	--	--	--
	02/12/08	--	27.80	--	328.51	**22,000**	**260**	**1,400**	380	**4,500**	--	--	--	--	--
	03/04/10	--	26.11	--	330.20	**7,600**	**30**	310	90	**1,700**	<1	<1	<1	--	--
TOC: 359.01	03/05/12	--	--	--	--	Wellhead inaccessible									
MW26	12/21/05	--	50.15	--	311.25	120	1.5	38	1.0	5.5	<1	<1	<1	5.27	--
TOC: 361.40	02/22/06	--	47.67	--	313.73	<100	<1	<1	<1	<3	<1	--	--	--	--
	06/01/06	--	45.62	--	315.78	<100	<1	<1	<1	<3	--	--	--	--	--
	08/24/06	--	47.37	--	314.03	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/16/06	--	49.43	--	311.97	<50	<1	<1	<1	<3	--	--	--	--	--
	02/21/07	--	46.69	--	314.71	<100	<1	<1	<1	<3	--	--	--	--	--
	05/24/07	--	45.76	--	315.64	<100	<1	<1	<1	<3	--	--	--	--	--
	08/03/07	--	47.19	--	314.21	<100	<1	<1	<1	<3	--	--	--	--	--
	02/11/08	--	47.87	--	313.53	<100	<1	<1	<1	<3	--	--	--	--	--
	03/04/10	--	45.00	--	316.40	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 363.86	03/07/12	--	47.48	--	316.38	<100	<1	<1	<1	<3	--	--	--	--	--
MW27	12/21/05	--	20.23	--	336.08	**34,000**	**15**	190	**2,300**	**13,600**	<1	<1	<1	4.08	--
TOC: 360.59	02/22/06	--	15.18	--	345.41	**48,000**	**18**	430	**2,400**	**12,600**	<1	--	--	--	--
	06/01/06	--	17.00	--	343.59	**41,000**	**30**	580	**1,900**	**11,000**	--	--	--	--	--
	08/22/06	21.81	21.82	0.00	338.77	**LNAPL**									
	11/14/06	25.55	25.55	0.00	335.04	**LNAPL; absorbent socks in well**									
	02/20/07	--	17.49	--	343.10	**LNAPL; absorbent socks in well**									
	05/22/07	19.86	19.86	0.00	340.73	**LNAPL; absorbent socks in well**									
	08/01/07	--	22.38	--	338.21	**Not sampled; absorbent socks in well**									
	02/11/08	18.93	19.00	0.07	341.59	**LNAPL; absorbent socks in well**									
	03/04/10	--	16.06	--	344.53	**26,000**	<10	290	**870**	**4,800**	<1	<1	<1	--	--
TOC: 362.40	03/09/12	--	19.16	--	343.24	**23,000**	**8.5**	94	620	**3,900**	--	--	--	--	--
MW28	12/20/05	--	27.11	--	330.91	**20,000**	**5.7**	98	670	**6,500**	<1	<1	<1	10.7	--
TOC: 358.02	02/22/06	--	23.40	--	334.62	**14,000**	3.1	13	390	**2,380**	<1	--	--	--	--
	06/01/06	24.57	24.60	0.03	333.44	**8,100**	**4**	17	160	**1,300**	--	--	--	--	--
	08/22/06	--	--	--	--	**LNAPL**									
	11/14/06	28.54	28.54	0.00	329.48	**LNAPL; absorbent socks in well**									
	02/20/07	--	--	--	--	**LNAPL; absorbent socks in well**									
	05/22/07	26.91	26.91	0.00	331.11	**LNAPL; absorbent socks in well**									
	08/01/07	--	27.79	--	330.23	**LNAPL; absorbent socks in well**									
	02/11/08	26.85	26.86	0.01	331.16	**LNAPL; absorbent socks in well**									
	03/04/10	--	25.56	--	332.46	**7,900**	<5	<5	300	970	<1	<1	<1	--	--
TOC: 358.42	03/05/12	--	--	--	--	Wellhead inaccessible									
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[b]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW29	12/20/05	18.40	18.61	0.21	335.65	LNAPL									
TOC: 354.09	02/23/06	--	9.35	--	344.74	1,400	<1	<1	19	82	<1	<1	<1	--	--
	06/02/06	--	10.11	--	343.98	320	<1	2	3	7	--	--	--	--	--
	08/22/06	17.81	18.18	0.37	336.21	LNAPL									
	11/14/06	22.27	22.27	0.00	331.82	LNAPL; absorbent socks in well									
	02/20/07	12.14	12.15	0.01	341.95	LNAPL									
	05/22/07	--	14.67	--	339.42	8,100	<1	3	250	760	--	--	--	--	--
	08/01/07	--	18.29	--	335.80	20,000	260	16	820	3,100	--	--	--	--	--
	02/12/08	--	15.85	--	338.24	11,000	81	<10	310	1,200	--	--	--	--	--
	03/04/10	--	12.00	--	342.09	550	<1	<1	7	9	<1	<1	<1	--	--
TOC: 358.89	03/09/12	--	13.68	--	345.21	6,700	1.5	2.7	220	840	--	--	--	--	--
MW30	12/15/05	--	43.66	--	310.46	350	6.9	13	15	96	<1	--	--	4.74	--
TOC: 354.12	02/22/06	--	40.25	--	313.87	<100	<1	<1	<1	<3	<1	--	--	--	--
	05/31/06	--	38.43	--	315.69	<100	<1	<1	<1	<3	--	--	--	--	--
	08/24/06	--	41.59	--	312.53	<100	<1	<1	<1	<3	<1	--	--	--	--
	11/14/06	--	43.41	--	310.71	<50	<1	<1	<1	<3	--	--	--	--	--
	02/22/07	--	39.19	--	314.93	<100	<1	<1	<1	<3	--	--	--	--	--
	05/23/07	--	39.69	--	314.43	<100	<1	<1	<1	<3	--	--	--	<1	<1
	08/02/07	--	41.16	--	312.96	<100	<1	<1	<1	<3	--	--	--	<1	<1
	02/14/08	--	41.29	--	312.83	<100	<1	<1	<1	<3	--	--	--	<1	<1
	05/14/08	--	39.86	--	314.26	Not sampled; just gauged									
	03/03/10	--	38.71	--	315.41	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 356.51	03/07/12	--	41.15	--	315.36	<100	<1	<1	<1	<3	--	--	--	--	--
MW31	12/15/05	--	31.04	--	324.18	51,000	420	260	1,200	7,200	<20	--	--	12.2	--
TOC: 355.22	02/22/06	--	29.92	--	325.30	18,000	160	88	440	2,930	<1	--	--	--	--
	05/31/06	--	29.76	--	325.46	16,000	180	160	580	3,700	--	--	--	3.51	--
	08/24/06	--	30.63	--	324.59	22,000	240	170	500	3,470	<1	--	--	6.39	--
	11/14/06	--	38.48	--	316.74	Not sampled; insufficient water to fill sample containers									
	02/21/07	--	30.18	--	325.04	15,000	270	130	490	2,800	--	--	--	9.65	--
	05/22/07	--	30.68	--	324.54	20,000	210	100	500	3,400	--	--	--	9.48	--
	08/03/07	--	34.76	--	320.46	30,000	390	160	810	6,600	--	--	--	14.4	13.9
	02/13/08	--	34.73	--	320.49	30,000	100	92	730	5,500	--	--	--	44.4	39.9
	05/14/08	--	33.88	--	321.34	Not sampled; just gauged									
	07/29/09	--	35.01	--	320.21	1,900	45	1.6	7.9	440 ve	<1	<1	1.7	--	--
	03/03/10	--	32.76	--	322.46	15,000	160	68	160	2,800	<1	<1	<1	15.1	15.1
TOC: 357.52	03/07/12	--	36.78	--	320.74	2,800	7.2	5.2	23	400	<1	--	<1	26.5	24.6
MW32	12/20/05	--	23.05	--	-23.07	40,000	270	8,000	1,000	9,500	<1	<1	<1	17.5	--
TOC: 358.05	02/23/06	--	19.93	--	-19.93	24,000	67	1,700	580	5,000	<1	--	--	--	--
	05/31/06	20.98	21.07	0.09	337.05	LNAPL									
	08/22/06	24.40	24.42	0.02	333.65	LNAPL									
	11/14/06	27.15	27.15	0.00	330.90	LNAPL; absorbent socks in well									
	02/20/07	--	21.56	--	336.49	LNAPL; absorbent socks in well									
	05/22/07	--	23.29	--	334.76	LNAPL; absorbent socks in well									
	07/31/07	--	24.86	--	333.19	Not sampled; absorbent socks in well									
	02/12/08	--	22.42	--	335.63	20,000	59	870	410	4,600	--	--	--	--	--
	03/04/10	--	20.71		337.34	14,000	16	270	320	2,400	<1	<1	<1	--	--
TOC: 359.87	03/09/12	--	22.71	--	337.16	120	3.1	11	1.1	16	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID		Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW33		12/20/05	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
TOC:	355.42	02/10/06	--	32.73	--	322.69	14,000	190	140	670	3,220	<1	<1	<1	7.44	--
		05/31/06	--	33.78	--	321.64	Not sampled; insufficient water to fill sample containers									
		08/22/06	--	34.24	--	321.18	Not sampled; insufficient water to fill sample containers									
		11/14/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	--	--	--	LNAPL; absorbent socks in well									
		05/22/07	--	34.24	--	321.18	LNAPL; absorbent socks in well									
		07/31/07	--	34.33	--	321.09	Not sampled; absorbent socks in well									
		02/14/08	--	32.45	--	322.97	17,000	81	23	210	2,800	--	--	--	--	--
		03/04/10	--	32.50	--	322.92	11,000	18	14	300	1,300	<1	<1	<1	--	--
TOC:	358.29	03/05/12	--	34.35	--	323.94	Not sampled; insufficient water to fill sample containers									
MW34		01/27/06	--	7.05	--	348.54	2,500	<1	<1	22	90	<1	<1	<1	23.7	--
TOC:	355.59	02/10/06	--	4.22	--	351.37	First Quarter sample collected January 27, 2006									
		06/02/06	--	10.06	--	345.53	1,400	<1	3	21	29	--	--	--	4.17	--
		08/23/06	--	13.96	--	341.63	260	<1	3	<1	<3	<1	--	--	NA[7]	NA[7]
		11/14/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	10.22	--	345.37	<100	<1	<1	<1	<3	--	--	--	<1	<1
		05/22/07	--	12.40	--	343.19	<100	<1	<1	<1	<3	--	--	--	<1	<1
		07/31/07	--	14.95	--	340.64	Not sampled; insufficient water to fill sample containers									
		02/13/08	--	10.79	--	344.80	<100	<1	<1	<1	<3	--	--	--	--	--
		03/04/10	--	9.83	--	345.76	<100	<1	<1	<1	<3	<1	<1	<1	--	--
		07/08/10	--	12.00	--	343.59	Not sampled; just gauged									
TOC:	357.95	03/09/12	--	12.39	--	345.56	<100	<1	<1	<1	<3	--	--	--	--	--
MW35		01/27/06	--	38.18	--	317.97	<100	<1	<1	<1	<3	<1	<1	<1	59.6	--
TOC:	356.15	02/22/06	--	38.54	--	317.61	First Quarter sample collected January 27, 2006									
		05/31/06	--	39.62	--	316.53	Not sampled; insufficient water to fill sample containers									
		08/22/06	--	39.64	--	316.51	Not sampled; insufficient water to fill sample containers									
		11/14/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		05/22/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/11/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/04/10	--	38.86	--	317.29	Not sampled; well did not recharge after purging									
TOC:	358.51	03/05/12	--	Dry	--	--	Dry									
MW36		01/27/06	--	40.10	--	315.55	<100	<1	<1	<1	<3	<1	<1	<1	43.4	--
TOC:	355.65	02/22/06	--	40.92	--	314.73	First Quarter sample collected January 27, 2006									
		06/02/06	--	41.13	--	314.52	<100	<1	<1	<1	<3	--	--	--	193	--
		08/24/06	--	41.58	--	314.07	<100	<1	<1	<1	<3	<1	--	--	NA[7]	NA[7]
		11/14/06	--	43.05	--	312.60	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	41.15	--	314.50	<100	<1	<1	<1	<3	--	--	--	--	--
		05/23/07	--	41.35	--	314.30	<100	<1	<1	<1	<3	--	--	--	--	--
		08/02/07	--	42.58	--	313.07	<100	<1	<1	<1	<3	--	--	--	--	--
		02/14/08	--	41.35	--	314.30	<100	<1	<1	<1	<3	--	--	--	--	--
		03/04/10	--	41.16	--	314.49	<100	<1	<1	<1	<3	<1	<1	<1	2.78	<1
		03/04/10	--	41.79	--	313.86	Not sampled; just gauged									
TOC:	358.02	03/08/12	--	41.64	--	316.38	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID		Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW37		01/27/06	--	14.70	--	341.88	<100	<1	<1	<1	<3	<1	<1	<1	<1	--
TOC:	356.58	02/22/06	--	17.34	--	339.24	First Quarter sample collected January 27, 2006									
		06/02/06	--	15.62	--	340.96	<100	<1	<1	<1	<3	--	--	--	--	--
		08/24/06	--	22.29	--	334.29	<100	<1	<1	<1	<3	<1	--	--	--	--
		11/15/06	--	34.32	--	322.26	<50	<1	<1	<1	<3	--	--	--	--	--
		02/21/07	--	16.56	--	340.02	<100	<1	<1	<1	<3	--	--	--	--	--
		05/23/07	--	18.69	--	337.89	<100	<1	<1	<1	<3	--	--	--	--	--
		08/02/07	--	24.79	--	331.79	<100	<1	<1	<1	<3	--	--	--	--	--
		02/13/08	--	16.45	--	340.13	<100	<1	<1	<1	<3	--	--	--	--	--
		03/04/10	--	13.93	--	342.65	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	358.96	03/08/12	--	19.40	--	339.56	<100	<1	<1	<1	<3	--	--	--	--	--
MW38		01/27/06	--	14.69	--	347.34	<100	<1	<1	<1	<3	<1	<1	<1	<1	--
TOC:	362.03	02/22/06	--	13.52	--	348.51	First Quarter sample collected January 27, 2006									
		05/31/06	--	16.85	--	345.18	<100	<1	<1	<1	<3	--	--	--	--	--
		08/23/06	--	23.08	--	338.95	<100	<1	<1	<1	<3	<1	--	--	--	--
		11/14/06	--	26.36	--	335.67	<50	<1	<1	<1	<3	--	--	--	--	--
		02/22/07	--	16.43	--	345.60	<100	<1	<1	<1	<3	--	--	--	--	--
		05/22/07	--	19.74	--	342.29	<100	<1	<1	<1	<3	--	--	--	--	--
		08/01/07	--	22.84	--	339.19	<100	<1	<1	<1	<3	--	--	--	--	--
		02/13/08	--	18.14	--	343.89	<100	<1	<1	<1	<3	--	--	--	--	--
		03/04/10	--	14.80	--	347.23	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	364.49	03/08/12	--	19.32	--	345.17	<100	<1	<1	<1	<3	--	--	--	--	--
MW39		02/02/06	--	41.41	--	312.15	<100	<1	<1	<1	<3	<1	<1	<1	<3.55	--
TOC:	353.56	02/22/06	--	40.18	--	313.38	First Quarter sample collected February 2, 2006									
		05/31/06	--	39.52	--	314.04	<100	<1	<1	<1	<3	--	--	--	--	--
		08/24/06	--	40.56	--	313.00	<100	<1	<1	<1	<3	<1	--	--	--	--
		11/15/06	--	43.40	--	310.16	<100	<1	<1	<1	<3	--	--	--	--	--
		02/22/07	--	39.26	--	314.30	<100	<1	<1	<1	<3	--	--	--	--	--
		05/23/07	--	39.80	--	313.76	<100	<1	<1	<1	<3	--	--	--	--	--
		08/03/07	--	41.22	--	312.34	<100	<1	<1	<1	<3	--	--	--	--	--
		02/14/08	--	41.22	--	312.34	<100	<1	<1	<1	<3	--	--	--	--	--
		02/03/09	--	42.11	--	311.45	Not sampled; just gauged									
		03/03/10	--	38.76	--	314.80	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	355.94	03/07/12	--	41.14	--	314.80	<100	<1	<1	<1	<3	--	--	--	--	--
MW40		02/03/06	--	41.71	--	312.28	<100	<1	<1	<1	<3	<1	--	--	**123**	--
TOC:	353.99	02/22/06	--	40.29	--	313.70	First Quarter sample collected February 3, 2006									
		06/01/06	--	39.46	--	314.53	<100	<1	<1	<1	<3	--	--	--	<1	--
		08/24/06	--	41.55	--	312.44	<100	<1	<1	<1	<3	<1	--	--	--	--
		11/14/06	--	43.45	--	310.54	<100	<1	<1	<1	<3	--	--	--	<1	--
		02/21/07	--	39.22	--	314.77	<100	<1	<1	<1	<3	--	--	--	--	--
		05/24/07	--	38.75	--	315.24	<100	<1	<1	<1	<3	--	--	--	--	--
		08/03/07	--	41.21	--	312.78	<100	<1	<1	<1	<3	--	--	--	<1	<1
		02/14/08	--	41.30	--	312.69	<100	<1	<1	<1	<3	--	--	--	<1	<1
		03/03/10	--	38.77	--	315.22	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	356.37	03/07/12	--	41.21	--	315.16	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID		Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW41		02/04/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	354.02	02/22/06	--	40.35	--	313.67	Not sampled; insufficient water to fill sample containers									
		05/31/06	--	40.22	--	313.80	Not sampled; insufficient water to fill sample containers									
		08/22/06	--	40.22	--	313.80	Not sampled; insufficient water to fill sample containers									
		11/14/06	--	40.22	--	313.80	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	40.23	--	313.79	Not sampled; insufficient water to fill sample containers									
		05/22/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/11/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/04/10	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	356.02	03/05/12	--	39.89	--	316.13	Dry									
MW42		02/04/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	354.08	02/22/06	--	39.75	--	314.33	Not sampled; insufficient water to fill sample containers									
		05/31/06	--	39.63	--	314.45	Not sampled; insufficient water to fill sample containers									
		08/22/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		11/14/06	--	39.71	--	314.37	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	39.67	--	314.41	Not sampled; insufficient water to fill sample containers									
		05/22/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/04/10	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	356.42	03/05/12	--	Dry	--	--	Dry									
MW43		05/31/06	--	37.43	--	319.15	Not sampled; insufficient water to fill sample containers									
TOC:	356.58	08/22/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		11/14/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		05/22/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/04/10	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	358.89	03/05/12	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
MW44		05/31/06	--	38.56	--	314.08	Not sampled; insufficient water to fill sample containers									
TOC:	352.64	08/22/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		11/14/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/20/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		05/22/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/04/10	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	354.96	03/05/12	--	Dry	--	--	Dry									
MW45		05/31/06	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--
TOC:	354.24	08/24/06	--	37.86	--	316.38	**57,000**	**920**	180	**1,900**	**13,700**	<1	--	--	--	--
		11/14/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/21/07	--	37.22	--	317.02	**39,000**	**700**	150	**870**	**10,000**	--	--	--	--	--
		05/24/07	--	37.59	--	316.65	**39,000**	**470**	120	**760**	**9,800**	--	--	--	--	--
		08/02/07	--	38.25	--	315.99	**40,000**	**430**	67	270	**11,000**	--	--	--	--	--
		02/11/08	--	37.90	--	316.34	**45,000**	**76**	36	430	**8,900**	--	--	--	--	--
		05/14/08	--	37.82	--	316.42	Not sampled; just gauged									
		07/29/09	--	38.06	--	316.18	Not sampled; just gauged									
		03/02/10	--	37.16	--	317.08	**23,000**	**54**	23	310	**3,700**	<1	<1	<1	--	--
TOC:	357.06	03/05/12	--	38.59	--	318.47	Not sampled; insufficient water to fill sample containers									
MW46		12/13/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	354.64	02/21/07	--	39.98	--	314.66	**1,100**	**14**	7	13	23	--	--	--	--	--
		05/24/07	--	40.60	--	314.04	120	<1	<1	<1	4	--	--	--	--	--
		07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		02/11/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/03/10	--	40.31	--	314.33	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	356.54	03/05/12	--	42.42	--	314.12	Not sampled; insufficient water to fill sample containers									
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW47	12/13/06	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC: 352.96	02/20/07	--	41.50	--	311.46	Not sampled; insufficient water to fill sample containers									
	05/22/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	07/31/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	02/11/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
	03/04/10	--	41.00	--	311.96	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 355.51	03/05/12	--	Dry	--	--	Dry									
MW48	12/13/06	45.28	46.61	1.33	307.42	LNAPL									
TOC: 352.97	02/20/07	40.61	41.98	1.37	312.09	LNAPL									
	05/22/07	40.75	42.39	1.64	311.89	LNAPL									
	07/31/07	42.42	43.88	1.46	310.26	LNAPL									
	02/11/08	42.98	43.97	0.99	309.79	LNAPL									
	05/06/08	41.21	41.97	0.76	311.61	Not sampled; just gauged for LNAPL recovery									
	05/08/08	40.98	41.00	0.02	311.99	Not sampled; just gauged for LNAPL recovery									
	08/19/08	42.60	43.41	0.81	310.21	Not sampled; just gauged for LNAPL recovery									
	09/12/08	42.98	43.41	0.43	309.90	Not sampled; just gauged for LNAPL recovery									
	09/18/08	43.34	43.85	0.51	309.53	Not sampled; just gauged for LNAPL recovery									
	10/03/08	43.63	43.81	0.18	309.30	Not sampled; just gauged for LNAPL recovery									
	10/09/08	--	43.91	--	309.06	Not sampled; just gauged for LNAPL recovery									
	11/07/08	44.25	45.46	1.21	308.48	Not sampled; just gauged for LNAPL recovery									
	11/21/08	44.39	45.48	1.09	308.36	Not sampled; just gauged for LNAPL recovery									
	12/10/08	44.66	45.73	1.07	308.10	Not sampled; just gauged for LNAPL recovery									
	12/16/08	44.74	45.65	0.91	308.05	Not sampled; just gauged for LNAPL recovery									
	12/28/08	44.82	45.54	0.72	308.01	Not sampled; just gauged for LNAPL recovery									
	12/31/08	44.88	45.23	0.35	308.02	Not sampled; just gauged for LNAPL recovery									
	01/23/09	44.33	45.29	0.96	308.45	Not sampled; just gauged for LNAPL recovery									
	01/30/09	44.12	44.69	0.57	308.74	Not sampled; just gauged for LNAPL recovery									
	02/10/09	44.01	44.30	0.29	308.90	Not sampled; just gauged for LNAPL recovery									
	02/24/09	43.85	44.04	0.19	309.08	Not sampled; just gauged for LNAPL recovery									
	03/10/09	43.69	44.00	0.31	309.22	Not sampled; just gauged for LNAPL recovery									
	03/11/09	43.78	43.81	0.03	309.18	Not sampled; just gauged for LNAPL recovery									
	03/12/09	43.70	43.71	0.01	309.27	Not sampled; just gauged for LNAPL recovery									
	03/13/09	43.50	43.51	0.01	309.47	Not sampled; just gauged for LNAPL recovery									
	04/10/09	43.20	43.21	0.01	309.77	Not sampled; just gauged for LNAPL recovery									
	04/30/09	--	43.44	--	309.53	Not sampled; just gauged for LNAPL recovery									
	06/12/09	42.57	42.58	0.01	310.40	Not sampled; just gauged for LNAPL recovery									
	08/25/09	43.77	44.09	0.32	309.14	Not sampled; just gauged for LNAPL recovery									
	09/29/09	44.48	45.11	0.63	308.36	Not sampled; just gauged for LNAPL recovery									
	10/15/09	44.90	45.59	0.69	307.93	Not sampled; just gauged for LNAPL recovery									
	11/24/09	44.48	44.68	0.20	308.45	Not sampled; just gauged for LNAPL recovery									
	01/18/10	42.35	42.45	0.10	310.60	Not sampled; just gauged for LNAPL recovery									
	02/26/10	40.50	40.63	0.13	312.44	Not sampled; just gauged for LNAPL recovery									
	03/01/10	40.43	40.56	0.13	312.51	Not sampled; just gauged for LNAPL recovery									
	04/12/10	39.69	39.80	0.11	313.26	Not sampled; just gauged for LNAPL recovery									
	05/07/10	39.72	39.83	0.11	313.23	Not sampled; just gauged for LNAPL recovery									
	06/21/10	40.33	40.64	0.31	312.58	Not sampled; just gauged for LNAPL recovery									
	07/02/10	--	--	0.04	--	Not sampled; just gauged for LNAPL recovery									
	08/30/10	42.01	42.30	0.29	310.90	Not sampled; just gauged for LNAPL recovery									
	09/10/10	42.28	42.42	0.14	310.66	Not sampled; just gauged for LNAPL recovery									
	10/11/10	43.00	43.30	0.30	309.91	Not sampled; just gauged for LNAPL recovery									
	11/11/10	43.52	43.87	0.35	309.38	Not sampled; just gauged for LNAPL recovery									
	12/06/10	43.73	44.00	0.27	309.19	Not sampled; just gauged for LNAPL recovery									
	12/15/10	--	--	--	--	Pilot test performed at MW57									
	03/18/11	--	39.04	--	313.93	Not sampled; just gauged for LNAPL recovery									
	05/02/11	--	37.91	--	315.06	Not sampled; just gauged for LNAPL recovery									
TOC: 355.45	03/08/12	--	43.59	--	311.86	37,000	220	140	770	5,400 ve	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID		Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW49		12/20/06	--	45.72	--	308.33	**2,200**	**24**	2	46	250	--	--	--	--	--
TOC:	354.05	02/21/07	--	41.61	--	312.44	**14,000**	**380**	60	**750**	**2,700**	--	--	--	--	--
		05/24/07	--	41.85	--	312.20	**21,000**	**440**	62	**770**	**3,400**	--	--	--	--	--
		08/03/07	--	43.32	--	310.73	**12,000**	**360**	29	580	**1,300**	--	--	--	8.38	--
		02/14/08	--	43.90	--	310.15	160	<1	<1	<1	7	--	--	--	--	--
		02/05/09	--	43.90	--	310.15	Not sampled; just gauged									
		03/04/10	--	41.23	--	312.82	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	357.06	03/08/12	--	44.05	--	313.01	<100	<1	<1	<1	<3	--	--	--	--	--
MW50		08/03/07	--	36.22	--	323.49	<100	<1	<1	<1	<3	--	--	--	11.6	NA[7]
TOC:	359.71	02/14/08	--	34.56	--	325.15	<100	<1	<1	<1	<3	--	--	--	--	--
		03/02/10	--	32.23	--	327.48	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	362.11	03/08/12	--	35.03	--	327.08	<100	<1	<1	<1	<3	--	--	--	--	--
MW51		08/03/07	--	41.58	--	308.76	<100	<1	<1	<1	<3	--	--	--	<1	--
TOC:	350.34	02/13/08	--	41.78	--	308.56	<100	<1	<1	<1	<3	--	--	--	--	--
		05/14/08	--	40.67	--	309.67	Not sampled; just gauged									
		02/05/09	--	42.47	--	307.87	Not sampled; just gauged									
		03/02/10	--	39.73	--	310.61	<100	<1	<1	<1	6	<1	<1	<1	--	--
		10/12/10	--	41.60	--	308.74	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC:	352.71	03/08/12	--	41.82	--	310.89	<100	<1	<1	<1	<3	--	--	--	--	--
MW52		08/03/07	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
TOC:	353.28	02/14/08	--	Dry	--	--	Not sampled; insufficient water to fill sample containers									
		03/02/10	--	41.31	--	311.97	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	355.65	03/05/12	--	Dry	--	--	Dry									
MW53		08/03/07	--	43.32	--	314.15	<100	<1	<1	<1	<3	--	--	--	5.02	<1
TOC:	357.47	02/12/08	--	43.60	--	313.87	<100	<1	<1	<1	<3	--	--	--	--	--
		03/03/10	--	41.10	--	316.37	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	359.88	03/07/12	--	43.58	--	316.30	<100	<1	<1	<1	<3	--	--	--	--	--
MW54		08/03/07	--	13.91	--	341.66	<100	<1	<1	<1	<3	--	--	--	<1	<1
TOC:	355.57	02/12/08	--	11.80	--	343.77	<100	<1	<1	<1	<3	--	--	--	<1	<1
		05/14/08	--	12.41	--	343.16	Not sampled; just gauged									
		03/03/10	--	10.25	--	345.32	<100	<1	<1	<1	<3	<1	<1	<1	--	--
		07/08/10	--	11.36	--	344.21	Not sampled; just gauged									
TOC:	357.99	03/07/12	--	12.74	--	345.25	<100	<1	<1	<1	<3	--	--	--	--	--
MW55		08/03/07	--	43.55	--	310.62	<100	<1	<1	<1	<3	--	--	--	2.99	<1
TOC:	354.17	02/13/08	--	44.02	--	310.15	<100	<1	<1	<1	<3	--	--	--	--	--
		03/04/10	--	40.62	--	313.55	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	356.58	03/08/12	--	44.18	--	312.40	<100	<1	<1	<1	<3	--	--	--	--	--
MW56		08/03/07	--	44.19	--	310.93	<100	4	<1	<1	<3	--	--	--	<1	<1
TOC:	355.12	02/14/08	--	44.52	--	310.60	<100	<1	<1	<1	<3	--	--	--	--	--
		05/14/08	--	43.00	--	312.12	Not sampled; just gauged									
		02/03/09	--	45.40	--	309.72	<100	<1	<1	<1	<2	<1	--	--	--	--
		03/03/10	--	41.88	--	313.24	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC:	357.55	03/06/12	--	44.63	--	312.92	<100	<1	<1	<1	<3	--	--	--	--	--
MW57		08/03/07	--	44.16	--	310.19	**18,000**	**360**	37	320	**3,900**	--	--	--	3.17	3.33
TOC:	354.35	02/13/08	--	44.59	--	309.76	**10,000**	**150**	21	370	**1,700**	--	--	--	--	--
		05/14/08	--	42.87	--	311.48	Not sampled; just gauged									
		03/03/10	--	41.80	--	312.55	**14,000**	**240**	51	610	**3,600**	<1	<1	2.9	--	--
		10/12/10	--	44.50	--	309.85	Not sampled; just gauged									
TOC:	356.34	03/07/12	--	44.38	--	311.96	**2,100**	**9.7**	2.3	87	160	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW58	08/02/07	--	43.25	--	309.76	<100	2	<1	4	3	--	--	--	1.37	<1
TOC: 353.01	02/13/08	--	43.55	--	309.46	360	5	1	13	12	--	--	--	--	--
	05/14/08	--	41.93	--	311.08	Not sampled; just gauged									
	03/03/10	--	40.88	--	312.13	<100	<1	<1	<1	<3	<1	<1	2.4	--	--
	10/12/10	--	43.52	--	309.49	Not sampled; just gauged									
TOC: 355.43	03/07/12	--	43.74	--	311.69	<100	<1	<1	<1	<3	--	--	--	--	--
MW59	08/02/07	--	43.26	--	310.87	140	<1	<1	<1	<3	--	--	--	3.04	<1
TOC: 354.13	02/14/08	--	43.66	--	310.47	<100	<1	<1	<1	<3	--	--	--	--	--
	05/14/08	--	42.01	--	312.12	Not sampled; just gauged									
	02/03/09	--	45.51	--	308.62	<100	<1	<1	<1	<2	<1	--	--	--	--
	03/03/10	--	40.85	--	313.28	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 356.56	03/06/12	--	43.70	--	312.86	<100	<1	<1	<1	<3	--	--	--	--	--
MW60	08/03/07	--	43.52	--	312.69	<100	<1	<1	<1	<3	--	--	--	**20.5**	1.94
TOC: 356.21	02/14/08	--	43.88	--	312.33	<100	<1	<1	<1	<3	--	--	--	<1	<1
	03/04/10	--	41.64	--	314.57	<100	<1	<1	<1	<3	<1	<1	1.1	--	--
TOC: 358.61	03/08/12	--	44.03	--	314.58	<100	<1	<1	<1	<3	--	--	--	<1	<1
MW61	08/03/07	--	13.18	--	341.65	<100	<1	<1	<1	<3	--	--	--	1.34	<1
TOC: 354.83	02/12/08	--	9.65	--	345.18	<100	<1	<1	<1	<3	--	--	--	--	--
	03/04/10	--	8.21	--	346.62	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 357.24	03/08/12	--	10.56	--	346.68	<100	<1	<1	<1	<3	--	--	--	--	--
MW62	08/03/07	--	14.47	--	343.65	<100	<1	<1	<1	<3	--	--	--	<1	<1
TOC: 358.12	02/12/08	--	10.19	--	347.93	<100	<1	<1	<1	<3	--	--	--	--	--
	03/03/10	--	8.64	--	349.48	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 360.55	03/08/12	--	12.05	--	348.50	<100	<1	<1	<1	<3	--	--	--	--	--
MW63	08/03/07	--	42.85	--	309.88	190	**9**	<1	8	14	--	--	--	8.21	2.08
TOC: 352.73	02/13/08	--	43.11	--	309.62	240	5	<1	9	11	--	--	--	--	--
	05/14/08	--	41.56	--	311.17	Not sampled; just gauged									
	02/03/09	--	44.13	--	308.60	Not sampled; just gauged									
	03/02/10	--	40.51	--	312.22	<100	<1	<1	<1	<3	<1	<1	<1	--	--
	10/12/10	--	43.14	--	309.59	Not sampled; just gauged									
TOC: 355.14	03/08/12	--	43.34	--	311.80	<100	<1	<1	<1	<3	--	--	--	--	--
MW64	08/02/07	--	40.51	--	312.31	<100	<1	<1	<1	<3	--	--	--	<1	<1
TOC: 352.82	02/13/08	--	40.39	--	312.43	<100	<1	<1	<1	<3	--	--	--	--	--
	05/14/08	--	39.34	--	313.48	Not sampled; just gauged									
	02/03/09	--	41.59	--	311.23	Not sampled; just gauged									
	03/02/10	--	38.09	--	314.73	<100	<1	<1	<1	<3	<1	<1	<1	--	--
	10/12/10	--	40.76	--	312.06	Not sampled; just gauged									
TOC: 355.22	03/08/12	--	40.59	--	314.63	<100	<1	<1	<1	<3	--	--	--	--	--
MW65	05/14/08	--	40.37	--	310.37	<100	**8.6**	<1	<1	<3	--	--	--	2.69	<1
TOC: 350.74	02/03/09	--	42.89	--	307.85	<100	**6.1**	<1	<1	<2	<1	--	--	--	--
	03/02/10	--	39.32	--	311.42	<100	5	5	1	6	<1	<1	<1	--	--
	07/08/10	--	39.65	--	311.09	Not sampled; just gauged									
	10/12/10	--	41.92	--	308.82	Not sampled; just gauged									
TOC: 353.12	03/07/12	--	42.14	--	310.98	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW66	05/14/08	--	41.27	--	312.15	<100	<1	<1	<1	<3	--	--	--	2.00	<1
TOC: 353.42	03/03/10	--	40.16	--	313.26	<100	<1	<1	<1	<3	<1	<1	<1	--	--
	07/08/10	--	40.50	--	312.92	Not sampled; just gauged									
TOC: 355.82	03/07/12	--	42.97	--	312.85	<100	<1	<1	<1	<3	--	--	--	--	--
MW67	05/14/08	--	12.79	--	340.58	<100	<1	<1	<1	<3	--	--	--	<1	<1
TOC: 353.37	03/01/10	--	11.71	--	341.66	<100	<1	<1	<1	<3	<1	<1	<1	--	--
	07/08/10	--	12.88	--	340.49	Not sampled; just gauged									
TOC: 355.76	03/06/12	--	14.43	--	341.33	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW68	05/14/08	--	12.54	--	340.23	<100	<1	<1	<1	<3	--	--	--	<1	<1
TOC: 352.77	03/01/10	--	11.29	--	341.48	<100	<1	<1	<1	<3	<1	<1	<1	--	--
	07/08/10	--	12.60	--	340.17	Not sampled; just gauged									
TOC: 355.14	03/06/12	--	14.10	--	341.04	<100	<1	<1	<1	<3	--	--	--	--	--
MW69	05/14/08	--	41.59	--	310.37	15,000	14	1.3	380	1,028	--	--	--	9.01	<1
TOC: 351.96	02/03/09	--	44.20	--	307.76	19,000	9.4	1.5	450	2,000	<1	--	--	--	--
	02/05/09	--	44.01	--	307.95	Not sampled; just gauged									
	07/30/09	--	43.25	--	308.71	6,800	6.7	1.2	11	579	<1	<1	<1	--	--
	03/02/10	--	40.56	--	311.40	8,200	11	12	250	1,100	<1	<1	<1	--	--
TOC: 353.62	03/06/12	--	42.74	--	310.88	5,400	1.5	<1	100	440	<1	--	<1	--	--
MW70	05/14/08	--	41.70	--	310.66	160	9.9	<1	<1	<3	--	--	--	3.23	<1
TOC: 352.36	02/03/09	--	44.22	--	308.14	390	20	<1	<1	15	<1	--	--	--	--
	03/02/10	--	40.62	--	311.74	<100	7	<1	<1	<3	<1	<1	<1	--	--
	07/08/10	--	40.90	--	311.46	Not sampled; just gauged									
	10/12/10	--	43.23	--	309.13	Not sampled; just gauged									
TOC: 353.84	03/06/12	--	42.47	--	311.37	280	7.6	<1	<1	4.1	<1	--	<1	--	--
MW71	10/09/08	--	15.32	--	330.28	240,000	38,000	52,000	3,300	16,800	<50	<50	<50	13.3	14.1
TOC: 345.60	07/29/09	13.98	15.34	1.36	331.35	LNAPL									
	03/01/10	10.42	10.91	0.49	335.08	LNAPL									
MW72	10/09/08	--	17.90	--	327.17	160,000	13,000	34,000	3,200	18,600	<10	<10	<10	2.76	2.99
TOC: 345.07	07/29/09	--	16.67	--	328.40	98,000	9,600	24,000[ve]	1,900	15,700	<1	1.4	<1	--	--
	03/01/10	--	13.03	--	332.04	520	22	45	14	37	<1	<1	<1	--	--
MW73	10/09/08	--	39.88	--	305.15	64,000	12,000	5,900	1,100	6,400	190	<10	<10	2.36	<1
TOC: 345.03	07/29/09	--	39.28	--	305.75	83,000	18,000[ve]	8,300	720	3,800	71	<1	<1	--	--
	03/01/10	--	36.57	--	308.46	79,000	20,000	7,400	1,700	6,900	120	<1	<1	--	--
MW74	10/09/08	--	39.35	--	306.27	Not sampled; insufficient water to fill sample containers									
TOC: 345.62	03/01/10	--	36.91	--	308.71	75,000	26,000	3,500	860	3,800	720	<1	<1	--	--
MW75	11/07/08	--	44.64	--	307.79	<100	<1	<1	<1	<2	--	--	--	19.9	<1
TOC: 352.43	03/02/10	--	40.44	--	311.99	<100	<1	<1	<1	<3	<1	<1	<1	<1	<1
TOC: 354.84	03/07/12	--	43.47	--	311.37	<100	<1	<1	<1	<3	--	--	--	<1	<1
MW76	02/03/09	--	40.18	--	309.18	<100	<1	<1	<1	<2	<1	--	--	3.46	<1
TOC: 349.36	03/01/10	--	37.28	--	312.08	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 351.74	07/08/10	--	37.75	--	313.99	Not sampled; just gauged									
	10/12/10	--	40.43	--	311.31	Not sampled; just gauged									
	03/06/12	--	40.24	--	311.50	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW77	02/03/09	--	40.09	--	307.53	<100	<1	<1	<1	<2	<1	--	--	5.21	<1
TOC: 347.62	03/01/10	--	36.51	--	311.11	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 349.98	07/08/10	--	36.91	--	313.07	Not sampled; just gauged									
	10/12/10	--	39.22	--	310.76	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1
	03/06/12	--	39.20	--	310.78	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW78	02/03/09	--	37.32	--	310.26	<100	<1	<1	<1	<2	<1	--	--	2.61	<1
TOC: 347.58	03/01/10	--	34.57	--	313.01	<100	<1	<1	<1	<3	<1	<1	<1	--	--
TOC: 349.97	10/12/10	--	37.30	--	312.67	Not sampled; just gauged									
	03/06/12	--	36.88	--	313.09	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW79	07/08/10	--	13.41	--	340.62	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 354.03	03/07/12	--	13.39	--	340.64	<100	<1	<1	<1	<3	--	--	--	--	--
MW80	07/08/10	--	14.22	--	339.66	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 353.88	10/12/10	--	18.69	--	335.19	Not sampled; just gauged									
	03/07/12	--	14.30	--	339.58	<100	<1	<1	<1	<3	--	--	--	--	--
MW81	07/08/10	--	40.78	--	314.88	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 355.66	10/12/10	--	43.02	--	312.64	Not sampled; just gauged									
	03/06/12	--	43.22	--	312.44	<100	<1	<1	<1	<3	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

Table 2
Summary of Historical Groundwater Analytical Results
June 1992 through March 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID	Sample Date	Depth to LNAPL[1] (feet)	Depth to Groundwater[1] (feet)	LNAPL Thickness (feet)	Groundwater Elevation[2] (feet)	GRPH[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW82	07/08/10	--	26.74	--	328.91	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 355.65	10/12/10	--	29.64	--	326.01	Not sampled; just gauged									
	03/07/12	--	28.58	--	327.07	<100	<1	<1	<1	<3	--	--	--	--	--
MW83	07/08/10	--	19.56	--	334.02	<100	<0.35	<1	<1	<2	<1	<1	<1	16.1	<1
TOC: 353.58	10/12/10	--	28.74	--	324.84	Not sampled; just gauged									
	11/21/11	DECOMMISSIONED (REPLACED WITH MW100)													
MW84	10/12/10	--	44.29	--	309.38	1,900	0.71	<1	17	48	<1	<1	<1	<1	<1
TOC: 353.67	03/07/12	--	42.66	--	311.01	680	<1	1.6	5.0	14	<1	--	<1	--	--
MW85	10/11/10	WELL DAMAGED DURING INSTALLATION, REPAIRED ON NOVEMBER 28, 2011													
TOC: 351.34	03/06/12	--	40.48	--	310.86	<100	3.1	<1	<1	<3	<1	--	<1	<1	<1
MW86	10/12/10	--	41.89	--	310.89	1,100	1.9	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 352.78	03/06/12	--	42.02	--	310.76	140	3.8	<1	<1	<3	<1	--	<1	--	--
MW87	10/12/10	--	39.03	--	310.75	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 349.78	03/06/12	--	38.89	--	310.89	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW88	10/12/10	--	22.11	--	329.56	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 351.67	03/06/12	--	14.91	--	336.76	<100	<1	<1	<1	<3	--	--	--	--	--
MW89	10/12/10	--	42.66	--	311.23	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 353.89	03/06/12	--	42.89	--	311.00	<100	<1	<1	<1	<3	<1	--	<1	--	--
MW90 TOC: 362.71	03/05/12	24.66	24.75	0.09	338.03	LNAPL									
MW91 TOC: 362.58	03/08/12	--	24.87	--	337.71	15,000	36	95	410	3,100	--	--	--	15.9	<1
MW92 TOC: 358.32	03/06/12	--	45.45	--	312.87	<100	<1	<1	<1	<3	--	--	--	4.19	<1
MW93 TOC: 355.73	03/06/12	--	43.00	--	312.73	<100	<1	<1	<1	<3	--	--	--	5.60	<1
MW94 TOC: 358.24	03/06/12	--	45.13	--	313.11	<100	<1	<1	<1	<3	--	--	--	<1	<1
MW95 TOC: 354.42	03/07/12	--	42.95	--	311.47	<100	<1	<1	<1	<3	<1	--	<1	2.74	<1
MW96 TOC: 355.83	03/07/12	--	44.01	--	311.82	<100	<1	<1	<1	<3	<1	--	<1	11.4	<1
MW97 TOC: 354.64	03/07/12	--	43.18	--	311.46	420	9.4	<1	<1	3.4	<1	--	<1	2.07	<1
MW98 TOC: 354.49	03/08/11	--	43.04	--	311.45	3,800	13	4.6	56	130	<1	--	<1	1.87	<1
MW99 TOC: 353.42	03/06/12	--	42.47	--	310.95	<100	2.1	<1	<1	<3	<1	--	<1	1.08	<1
MW100 TOC: 355.81	03/06/12	--	15.73	--	340.08	<100	<1	<1	<1	<3	--	--	--	50.6	1.15
MW101 TOC: 351.92	03/06/12	--	40.90	--	311.02	<100	<1	<1	<1	<3	<1	--	<1	22.6	<1
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[b]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

NOTES:

Results measured in µg/L.

Red denotes concentration exceeds MTCA Method A cleanup level.

Samples analyzed by North Creek Analytical, Inc., of Bothell, Washington. Data collected prior to 7/8/05 provided by previous consultants. Data collected since December 2005 analyzed by Friedman & Bruya, Inc. of Seattle, Washington.

[1]Depth to water and LNAPL as measured from a fixed spot on the well casing rim.

[2] Groundwater elevation measured relative to a temporary benchmark (data from previous consultants). Since July 2005, groundwater elevations corrected for LNAPL thickness, assuming specific gravities of 0.80 for a mixture of gasoline and diesel, and 1.0 for groundwater.

[3]Analyzed by Northwest Total Petroleum Hydrocarbon Method NWTPH-Gx.

[4]Analyzed by EPA Method 8260B, 8021B, or 8260C.

[5]Analyzed by EPA Method 200.8.

[6]MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[7]Insufficient recharge to fill specified sample container.

[a]Monitoring well converted to a remediation well; TOC elevation change presented where appropriate.

[b]1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

Laboratory Notes:

[ve]Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

ABBREVIATIONS:

-- = not measured/not applicable
< = not detected at concentration exceeding the laboratory reporting limit
µg/L = micrograms per liter
Dry = groundwater not encountered in well
EDB = 1,2-dibromoethane
EDC = 1,2-dichloroethane
EPA = U.S. Environmental Protection Agency
GRPH = gasoline-range petroleum hydrocarbons
LNAPL = light non-aqueous phase liquid
MTBE = methyl tertiary-butyl ether
MTCA = Washington State Model Toxics Control Act
NA = not applicable per referenced footnote number
NE = Cleanup level not established for indicated compound
Sheen = iridescence on water surface indicative of LNAPL
TOC = top of casing (elevations for monitoring wells MW01 through MW25 from previous consultants)
Trace = less than 0.01 of measurable LNAPL

SoundEarth Strategies

Table 3
Summary of Groundwater Analytical Results
Eight Common Fuel Additives
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Sample Location	Property Owner	Sample Date	Oxygenates						Lead Scavengers	
			Ethanol[1]	TBA[1]	MTBE[1]	ETBE[1]	TAME[1]	DIPE[1]	EDB[1]	EDC[1]
MW01	TOC	09/26/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		DECOMMISSIONED								
MW02	TOC	12/21/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW03	TOC	09/27/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW04	ROW	02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW05	ROW	09/27/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW06	TOC	09/26/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		02/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW07	TOC/Farmasonis	DECOMMISSIONED								
MW08	ROW	02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW09	TOC	09/27/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW10	TOC	09/26/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW11	TOC	09/27/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		12/21/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW12	ROW	09/26/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW13	ROW	02/02/06	<1,000	<50	<1	<1	<1	<1	<1	3.5
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW14	TOC/Farmasonis	DECOMMISSIONED								
MW15	TOC	03/01/10	LNAPL							
MW16	ROW	03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW17	TOC/Farmasonis	DECOMMISSIONED								
MW18	TOC	03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW19	TOC	02/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW20	TOC	12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<5
MTCA Method A[2]			**NE**	**NE**	**20**	**NE**	**NE**	**NE**	**0.01**	**5**

SoundEarth Strategies

Table 3
Summary of Groundwater Analytical Results
Eight Common Fuel Additives
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Sample Location	Property Owner	Sample Date	Oxygenates						Lead Scavengers	
			Ethanol[1]	TBA[1]	MTBE[1]	ETBE[1]	TAME[1]	DIPE[1]	EDB[1]	EDC[1]
MW21	TOC	09/26/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW22	TOC	09/26/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW23	TOC	02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW24	TOC	09/27/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		02/03/09	--	--	<1	--	--	--	--	--
		07/30/09	--	<50	<1	<1	<1	<1	<1	<1
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW25	TOC	09/27/05	<150	<50.0	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
		12/21/05	<1,000	<200	<1	<1	<1	<1	<1	<5
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW26	TOC	12/21/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW27	TOC	12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/22/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW28	TOC	12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW29	TOC	02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW30	TOC/Farmasonis	12/15/05	<1,000	<200	<1	<1	<1	<1	--	--
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW31	TOC/Farmasonis	12/15/05	<20,000	<4,000	<20	<20	<20	<20	--	--
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		07/29/09	--	<50	<1	<1	<1	<1	<1	1.7
		03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW32	TOC	12/20/05	<1,000	<200	<1	<1	<1	<1	<1	<1
		02/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW33	TOC	02/10/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW34	TOC	01/27/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW35	TOC	01/27/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/04/10	--	--	--	--	--	--	--	--
MW36	TOC	01/27/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MTCA Method A[2]			**NE**	**NE**	**20**	**NE**	**NE**	**NE**	**0.01**	**5**

SoundEarth Strategies

Table 3
Summary of Groundwater Analytical Results
Eight Common Fuel Additives
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Sample Location	Property Owner	Sample Date	Oxygenates						Lead Scavengers	
			Ethanol[1]	TBA[1]	MTBE[1]	ETBE[1]	TAME[1]	DIPE[1]	EDB[1]	EDC[1]
MW37	TOC	01/27/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW38	TOC	01/27/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		08/23/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW39	TOC/Farmasonis	02/02/06	<1,000	<50	<1	<1	<1	<1	<1	<1
		08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW40	TOC/Farmasonis	08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW41	TOC/Farmasonis	03/04/10	DRY							
MW42	TOC/Farmasonis	03/04/10	DRY							
MW43	ROW	03/04/10	DRY							
MW44	ROW	03/04/10	DRY							
MW45	ROW	08/24/06	<1,000	<50	<1	<1	<1	<1	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW46	ROW	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW47	ROW	03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW48	ROW	03/01/10	LNAPL							
MW49	ROW	03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW50	ROW	03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW51	ROW	03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW52	ROW	03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW53	ROW	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW54	TOC/Farmasonis	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW55	ROW	03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW56	TOC/Farmasonis	02/03/09	--	--	<1	--	--	--	--	--
		03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW57	TOC/Farmasonis	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	2.9
MW58	TOC/Farmasonis	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	2.4
MW59	TOC/Farmasonis	02/03/09	--	--	<1	--	--	--	--	--
		03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW60	ROW	03/04/10	<1,000	<50	<1	<1	<1	<1	<1	1.1
MW61	ROW	03/04/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW62	ROW	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW63	ROW	03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW64	ROW	03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW65	Drake	02/03/09	--	--	<1	--	--	--	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/07/12	--	--	<1	--	--	--	--	<1
MW66	TOC/Farmasonis	03/03/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW67	Drake	03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW68	Drake	03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW69	Drake	02/03/09	--	--	<1	--	--	--	--	--
		07/30/09	--	<50	<1	<1	<1	<1	<1	<1
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW70	Drake	02/03/09	--	--	<1	--	--	--	--	--
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MTCA Method A[2]			**NE**	**NE**	**20**	**NE**	**NE**	**NE**	**0.01**	**5**

SoundEarth Strategies

Table 3
Summary of Groundwater Analytical Results
Eight Common Fuel Additives
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Sample Location	Property Owner	Sample Date	Oxygenates						Lead Scavengers	
			Ethanol[1]	TBA[1]	MTBE[1]	ETBE[1]	TAME[1]	DIPE[1]	EDB[1]	EDC[1]
MW71	Shin/Choi	10/9/2008	<50,000	<2,500	<50	<50	<50	<50	<50	<50
		03/01/10	LNAPL							
MW72	Shin/Choi	10/9/2008	<10,000	<500	<10	<10	<10	<10	<10	<10
		07/29/09	--	<50	<1	<1	<1	<1	**1.4**	<1
		03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW73	Shin/Choi	10/9/2008	<10,000	<500	**190**	<10	<10	<10	<10	<10
		07/29/09	--	<50	**71**	<1	<1	<1	<1	<1
		03/01/10	<1,000	<50	**120**	<1	<1	<1	<1	<1
MW74	Shin/Choi	03/01/10	<1,000	130	**720**	<1	<1	<1	<1	<1
MW75	ROW	11/07/08	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW76	Drake	02/03/09	--	--	<1	--	--	--	--	--
		03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW77	Drake	02/03/09	--	--	<1	--	--	--	--	--
		03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW78	Drake	02/03/09	--	--	<1	--	--	--	--	--
		03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW79	TOC/Farmasonis	07/08/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW80	TOC/Farmasonis	07/08/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW81	TOC/Farmasonis	07/08/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW82	TOC/Farmasonis	07/08/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW83	TOC/Farmasonis	07/08/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		11/21/11	DECOMMISSIONED (REPLACED WITH MW100)							
MW84	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/07/12	--	--	<1	--	--	--	--	<1
MW85	Drake	10/11/12	WELL DAMAGED DURING INSTALLATION, REPAIRED ON 11/28/2011							
		03/06/12	--	--	<1	--	--	--	--	<1
MW86	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW87	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW88	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
MW89	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	--	--	<1	--	--	--	--	<1
MW95	Drake	03/07/12	--	--	<1	--	--	--	--	<1
MW96	Drake	03/07/12	--	--	<1	--	--	--	--	<1
MW97	Drake	03/07/12	--	--	<1	--	--	--	--	<1
MW98	Drake	03/08/12	--	--	<1	--	--	--	--	<1
MW99	Drake	03/06/12	--	--	<1	--	--	--	--	<1
MW101	Drake	03/06/12	--	--	<1	--	--	--	--	<1
MTCA Method A[2]			**NE**	**NE**	**20**	**NE**	**NE**	**NE**	**0.01**	**5**

NOTES:

Results measured in micrograms per liter.

Red denotes concentration exceeds MTCA Method A cleanup level.

Samples analyzed by North Creek Analytical, Inc., of Bothell, Washington. Data collected prior to 7/8/05 provided by previous consultants. Data collected since December 2005 analyzed by Friedman & Bruya of Seattle, Washington.

[1]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[2]MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

-- = not sampled/not analyzed

< = not detected at concentration exceeding the laboratory reporting limit

DIPE = diisopropyl ether

Drake = Property at 24309 56th Avenue West

Dry = groundwater not encountered in well

EDB = 1,2-dibromoethane

EDC = 1,2-dichloroethane

ETBE = ethyl tertiary-butyl ether

LNAPL = light non-aqueous phase liquid

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

NE = cleanup level not established

ROW = right of way

Shin/Choi = Shin/Choi Property at 24325 56th Avenue West

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

TOC = Property at 24205 56th Avenue West (TOC Holdings Co. Facility No. 01-176)

TOC/Farmasonis = Property at 24225 56th Avenue West

SoundEarth Strategies

Table 4
Summary of Quality Assurance/Quality Control Analytical Results
First Quarter 2012
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Sample Location (Well ID)	Sample ID	Property Identification	Sample Date	Sample Method	GRPH[1]	Benzene[2]	Toluene[2]	Ethyl-benzene[2]	Total Xylenes[2]	MTBE[3]	EDB[3]	EDC[3]
MW09	MW09-20120307-PE	TOC	03/07/12	Peristaltic Pump	**11,000**	**30**	76	350	**2,400**	--	--	--
MW09	MW999-20120307-PE	NA	03/07/12	Peristaltic Pump	**11,000**	**30**	75	370	**2,100**	--	--	--
MW09	MW09-20120307-BL	NA	03/07/12	Bladder Pump	**13,000**	**56**	110	440	**2,300**	--	--	--
MW09	MW09-20120307-BA	NA	03/08/12	Bailer	**2,800**	**19**	28	67	460	--	--	--
MW20	MW20-20120309-PE	TOC	03/09/12	Peristaltic Pump	**5,800**	**200**	57	310	460	--	--	--
MW20	MW20-20120309-PE2	NA	03/09/12	Peristaltic Pump	**5,600**	**180**	54	310	480	--	--	--
MW49	MW49-20120308-BL	ROW (56th)	03/08/12	Bladder Pump	<100	<1	<1	<1	<3	--	--	--
MW49	MW49-20120308-BA	NA	03/08/12	Bailer	<100	<1	<1	<1	<3	--	--	--
MW81	MW81-20120306-BA	TOC/Farmasonis	03/06/12	Bailer	<100	<1	<1	<1	<3	--	--	--
MW81	MW81-20120306-BA2	NA	03/06/12	Bailer	<100	<1	<1	<1	<3	--	--	--
MW86	MW86-20120306-BL	Drake	03/06/12	Bladder Pump	130	3.7	<1	<1	<3	<1	--	<1
MW86	MW86-20120306-BL2	NA	03/06/12	Bladder Pump	140	3.8	<1	<1	<3	--	--	--
Trip Blank	Trip Blank-24309	NA	03/02/12	NA	<100	<1	<1	<1	<3	<1	--	<1
MTCA Method A Cleanup Level[4]					**1,000/800[a]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**

NOTES:

Results measured in µg/L.

Red denotes concentration exceeds MTCA Method A Cleanup Levels for groundwater.

Gray shading signifies QA/QC sample and results.

Samples analyzed by Friedman & Bruya, Inc. of Seattle, Washington.

[1]Analyzed by Northwest Total Petroleum Hydrocarbon Method NWTPH-Gx.

[2]Analyzed by EPA Method 8021B.

[3]Analyzed by EPA Method 8260C.

[4]MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[a]1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

-- = not sampled/not analyzed

< = not detected at concentration exceeding the value of the laboratory reporting limit

µg/L = micrograms per liter

Drake = Property at 24309 56th Avenue West

EDB = 1,2-dibromoethane

EDC = 1,2-dichloroethane

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

NA = not applicable

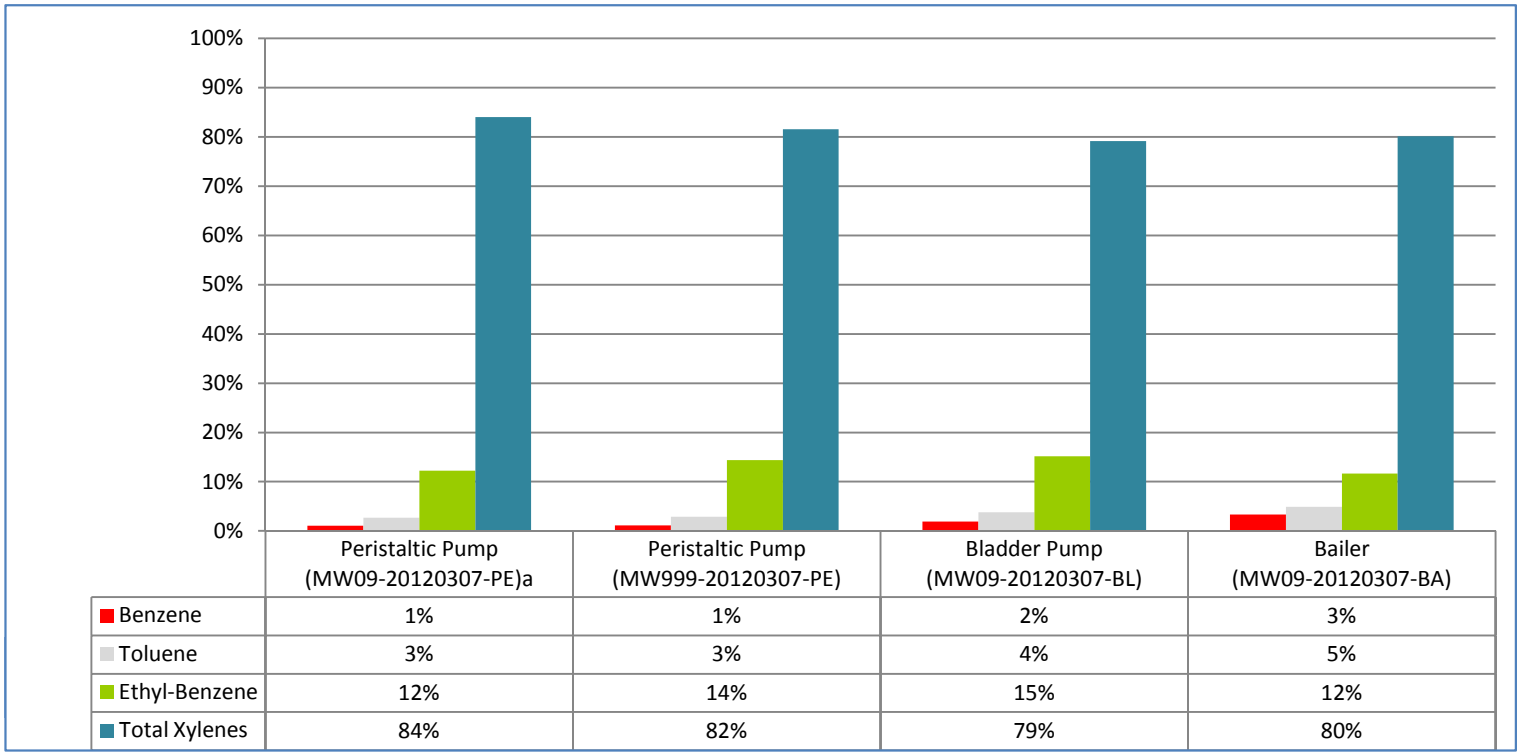
ROW (56th) = 56th Avenue West right-of-way

TOC = Property at 24205 56th Avenue West (TOC Holdings Co. Facility No. 01-176)

TOC/Farmasonis = Property at 24225 56th Avenue West

CHART

Chart 1
Influence of Sampling Method on Normalized Proportions of BTEX Constituents
First Quarter 2012, Monitoring Well MW09
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington



	Peristaltic Pump (MW09-20120307-PE)a	Peristaltic Pump (MW999-20120307-PE)	Bladder Pump (MW09-20120307-BL)	Bailer (MW09-20120307-BA)
Benzene	1%	1%	2%	3%
Toluene	3%	3%	4%	5%
Ethyl-Benzene	12%	14%	15%	12%
Total Xylenes	84%	82%	79%	80%

ATTACHMENT A
PREPARATION OF GRPH AND BENZENE DISTRIBUTION FIGURES

Attachment A
PREPARATION OF GRPH AND BENZENE DISTRIBUTION FIGURES

SoundEarth Strategies, Inc. (SoundEarth) prepared Figures 4, 6.1, 6.2, 7.1 and 7.2 using ESRI ArcGIS 3D Analyst software (version 9.3.1) and Rockware® Surfer software (version 8.2) to illustrate subsurface conditions according to the methods described below:

- The three-dimensional representations of the water-bearing zones shown on Figure 4 were created in the ESRI ArcGIS 3D Analyst software using a spline algorithm.
- The base map for Figures 6.1 and 6.2 is based on a professional survey of the TOC Property, the TOC/Farmasonis Property, the Drake Property, and adjoining rights-of-way by Axis Survey & Mapping of Kirkland, Washington (Axis 2012) and supplemented by drawings by others (Time Oil Co. 1975, Reisdorff 1985, K&S 2001). The property boundaries shown south of the Drake Property are approximate and are based on the parcel layout shown on county tax lot maps (Snohomish County Assessor's Office 2010). The backdrop photograph used for Figures 6.1 and 6.2 is an aerial photograph (USGS 2002) which has been scaled approximately to align with the base map in a manner that relates subsurface interpretations to surface features. Minor discrepancies between the survey and the aerial photograph are the result of photographic lens distortion.
- The gasoline-range petroleum hydrocarbons (GRPH) and benzene distributions shown on Figures 6.1, 6.2, 7.1 and 7.2 were prepared using an inverse distance-weighted algorithm on the natural log value of the GRPH or benzene concentration. The natural log value was used because of the large variation in magnitude of the concentrations. This minimized the bias on the high concentration zones, "hot spots", by distributing the contours and color ramp on a logarithmic scale rather than a linear scale where there would be no contours on the lower side and all values would be biased high. The inverse distance-weighted algorithm scales concentration values proportional to the distance between data points. In other words, influence of values decreases with distance. The weighting can be increased or decreased by adjusting the power value in the equation. The higher the power, the more value is placed on close data points. SoundEarth used a low power value (power of 2) to leverage the effect of data at greater distances, especially between the two apparently separate plumes. Therefore, the shapes of the plumes are derivative of the configuration of the monitoring well network, the distances between individual monitoring wells, and interpolation of concentrations between data points. SoundEarth applied a linear drift of 90 degrees to preferentially connect data points in the north-south direction, rather than the default east-west setting, consistent with the overall direction of groundwater flow at the Site. The linear drift algorithm interpolates data using an anisotropic ratio of 2 to limit the search neighborhood ellipse setting, such that concentrations appear to attenuate across shorter distances along the east–west axis than along the north–south axis between each pair of data points.
- In cases where light non-aqueous phase liquid conditions were encountered, SoundEarth assigned values of 50,000 micrograms per liter (µg/L) for GRPH and 500 µg/L for benzene concentrations, compared to a maximum dissolved GRPH concentration at the Site of 37,000 µg/L (monitoring well MW48) and a maximum dissolved benzene concentration at the Site of 220 µg/L (monitoring well MW48).
- In cases where concentrations of GRPH were not detected above the standard laboratory reporting limit of 100 µg/L, SoundEarth assigned a value of 0.00001 µg/L to each data point.

- In cases where concentrations of benzene were not detected above the standard laboratory reporting limit of 1 µg/L, SoundEarth assigned a value of 0.00001 µg/L to each data point. In the case where the benzene reporting limit was elevated due to sample dilution, SoundEarth assigned a value equal to one-half the elevated detection limit, 2.5 µg/L for monitoring well MW15.
- Data associated with wells that intersected both Shallow Zone and Intermediate Zone conditions were included for the purposes of illustrating GRPH and benzene distributions but the groundwater elevation data associated with those wells were disregarded in the preparation of Figures 7.1 and 7.2 (monitoring wells MW08, MW24, MW27, MW29, and MW37).

Actual concentrations may vary from those illustrated on Figures 6.1, 6.2, 7.1, and 7.2 due to lithology, stratigraphy, well screen interval depths, and/or spacing between individual monitoring wells.

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

Friedman & Bruya, Inc. #203121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

March 16, 2012

Dee Gardner, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Gardner:

Included are the results from the testing of material submitted on March 9, 2012 from the TOC_01-176_20120309 WORFDB6, F&BI 203121 project. There are 22 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Beau Johnson
SOU0316R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 9, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20120309, F&BI 203121 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
203121-01	MW30-20120307-BA
203121-02	MW31-20120307-BA
203121-03	MW39-20120307-BA
203121-04	MW40-20120307-BA
203121-05	MW54-20120307-PE
203121-06	MW56-20120306-BL
203121-07	MW57-20120307-BA
203121-08	MW58-20120307-BL
203121-09	MW59-20120306-BL
203121-10	MW66-20120307-BA
203121-11	MW79-20120307-PE
203121-12	MW80-20120307-PE
203121-13	MW81-20120306-BA
203121-14	MW81-20120306-BA2
203121-15	MW82-20120307-PE
203121-16	MW92-20120306-BA
203121-17	MW93-20120306-BA
203121-18	MW94-20120306-BA
203121-19	MW100-20120306-BA
203121-20	Trip Blank - 24225

All quality control requirements were acceptable.

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203121
Date Extracted: 03/09/12
Date Analyzed: 03/09/12, 03/10/12, and 03/13/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW30-20120307-BA 203121-01	<1	<1	<1	<3	<100	99
MW31-20120307-BA 203121-02	7.2	5.2	23	400	2,800	104
MW39-20120307-BA 203121-03	<1	<1	<1	<3	<100	97
MW40-20120307-BA 203121-04	<1	<1	<1	<3	<100	95
MW54-20120307-PE 203121-05	<1	<1	<1	<3	<100	97
MW56-20120306-BL 203121-06	<1	<1	<1	<3	<100	100
MW57-20120307-BA 203121-07	9.7	2.3	87	160	2,100	109
MW58-20120307-BL 203121-08	<1	<1	<1	<3	<100	97
MW59-20120306-BL 203121-09	<1	<1	<1	<3	<100	95
MW66-20120307-BA 203121-10	<1	<1	<1	<3	<100	97
MW79-20120307-PE 203121-11	<1	<1	<1	<3	<100	97

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203121
Date Extracted: 03/09/12
Date Analyzed: 03/09/12, 03/10/12, and 03/13/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW80-20120307-PE 203121-12	<1	<1	<1	<3	<100	96
MW81-20120306-BA 203121-13	<1	<1	<1	<3	<100	99
MW81-20120306-BA2 203121-14	<1	<1	<1	<3	<100	96
MW82-20120307-PE 203121-15	<1	<1	<1	<3	<100	99
MW92-20120306-BA 203121-16	<1	<1	<1	<3	<100	98
MW93-20120306-BA 203121-17	<1	<1	<1	<3	<100	101
MW94-20120306-BA 203121-18	<1	<1	<1	<3	<100	95
MW100-20120306-BA 203121-19	<1	<1	<1	<3	<100	98
Method Blank 02-0391 MB	<1	<1	<1	<3	<100	95

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW31-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-02
Date Analyzed:	03/13/12	Data File:	203121-02.065
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Lead	26.5

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW92-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-16
Date Analyzed:	03/13/12	Data File:	203121-16.066
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	90	60	125

Analyte:	Concentration ug/L (ppb)
Lead	4.19

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW93-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-17
Date Analyzed:	03/13/12	Data File:	203121-17.067
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	88	60	125

Analyte:	Concentration ug/L (ppb)
Lead	5.60

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW94-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-18
Date Analyzed:	03/13/12	Data File:	203121-18.068
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW100-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-19
Date Analyzed:	03/13/12	Data File:	203121-19.069
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	107	60	125

Analyte:	Concentration ug/L (ppb)
Lead	50.6

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-166 mb
Date Analyzed:	03/13/12	Data File:	I2-166 mb.057
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW31-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-02
Date Analyzed:	03/13/12	Data File:	203121-02.020
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	97	60	125

Analyte:	Concentration ug/L (ppb)
Lead	24.6

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW92-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-16
Date Analyzed:	03/13/12	Data File:	203121-16.023
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW93-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-17
Date Analyzed:	03/13/12	Data File:	203121-17.024
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW94-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-18
Date Analyzed:	03/13/12	Data File:	203121-18.025
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW100-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203121-19
Date Analyzed:	03/13/12	Data File:	203121-19.026
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	99	60	125

Analyte:	Concentration ug/L (ppb)
Lead	1.15

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-169 mb
Date Analyzed:	03/13/12	Data File:	I2-169 mb.018
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW31-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203121-02
Date Analyzed:	03/11/12	Data File:	031033.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	02-0369 mb
Date Analyzed:	03/10/12	Data File:	031010.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 203121-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	93	65-118
Toluene	ug/L (ppb)	50	99	72-122
Ethylbenzene	ug/L (ppb)	50	100	73-126
Xylenes	ug/L (ppb)	150	98	74-118
Gasoline	ug/L (ppb)	1,000	101	69-134

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 203134-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	99	100	76-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	67-135

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 203121-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	24.6	85 b	96 b	76-125	12 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	99	67-135

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 203122-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	88	85-97
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	83	76-100

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	86	86	86-97	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	80	80	75-100	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

203121

SAMPLE CHAIN OF CUSTODY

ME 03/09/12, AIG / V5

Page # 1 of 2

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Camarda, L. Swart, A. Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030 78

PO #: 01-176

REMARKS: TOC 01-176 / 24225 Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260 EDB	Total Pb	Dissolved Pb		HOLD	Notes
							ANALYSES REQUESTED								EDF per JA 3/9/12
MW30-20120307-BA	MW30	01 A-C	03/07/12	1420	Water	3		✓	✓						MS
MW31-20120307-BA	MW31	02 A-H	03/07/12	0845	Water	8		✓	✓	✓	✓	✓			
MW39-20120307-BA	MW39	03 A-C	03/07/12	1440	Water	3		✓	✓						
MW40-20120307-BA	MW40	04	03/07/12	1320	Water	3		✓	✓						
MW54-20120307-PE	MW54	05	03/07/12	1353	Water	3		✓	✓						
MW56-20120306-BL	MW56	06	03/06/12	1630	Water	3		✓	✓						
MW57-20120307-BA	MW57	07	03/07/12	1612	Water	3		✓	✓						
MW58-20120307-BL	MW58	08	03/07/12	1255	Water	3		✓	✓						
MW59-20120306-BL	MW59	09	03/06/12	1555	Water	3		✓	✓						
MW66-20120307-BA	MW66	10	03/07/12	1150	Water	3		✓	✓						

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Larry Namba	SES	03/09/12	0940
Received by:		Nhan Phan	FEBI	03/09/12	0940
Relinquished by:			Samples received at 2 °C		
Received by:					

20312 1

SAMPLE CHAIN OF CUSTODY

ME 03/09/12 AIG 1/5

Page # 2 of 2

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Camarda, L. Swart, A. Leal

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24225 Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW79-20120307-PE	MW79	11 A-C	03/07/12	1512	Water	3		✓	✓						
MW80-20120307-PE	MW80	12	03/07/12	1546	Water	3		✓	✓						
MW81-20120306-BA	MW81	13	03/06/12	1750	Water	3		✓	✓						
MW81-20120306-BA2	MW81	14	03/06/12	1805	Water	3		✓	✓						
MW82-20120307-PE	MW82	15	03/07/12	1713	Water	3		✓	✓						
MW92-20120306-BA	MW92	16 A-E	03/06/12	1450	Water	5		✓	✓		✓	✓			
MW93-20120306-BA	MW93	17	03/06/12	1629	Water	5		✓	✓		✓	✓			
MW94-20120306-BA	MW94	18	03/06/12	1700	Water	5		✓	✓		✓	✓			
MW100-20120306-BA	MW100	19	03/06/12	1737	Water	5		✓	✓		✓	✓			
Trip Blank-24225	TB-24225	20 A-B	03	—	Water	2		✓	✓					✓	Laboratory Supplied

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Namba	Larry Namba	SES	03/09/12	0940
Received by:	Nhan Phan	Nhan Phan	FEBI	03/09/12	0940
Relinquished by:			Samples received at 2 °C		
Received by:					

Friedman & Bruya, Inc. #203122

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

March 16, 2012

Dee Gardner, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Gardner:

Included are the results from the testing of material submitted on March 9, 2012 from the TOC_01-176_20120309 WORFDB6, F&BI 203122 project. There are 42 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Beau Johnson
SOU0316R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 9, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20120309 WORFDB6, F&BI 203122 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
203122-01	MW65-20120307-BL
203122-02	MW65-20120307-BA
203122-03	MW67-20120306-PE
203122-04	MW68-20120306-PE
203122-05	MW69-20120306-BA
203122-06	MW70-20120306-BA
203122-07	MW76-20120306-BA
203122-08	MW77-20120306-BA
203122-09	MW78-20120306-BA
203122-10	MW84-20120307-BL
203122-11	MW85-20120306-BL
203122-12	MW86-20120306-BL
203122-13	MW86-20120306-BL2
203122-14	MW87-20120306-BA
203122-15	MW88-20120306-PE
203122-16	MW89-20120306-BL
203122-17	MW95-20120307-BA
203122-18	MW96-20120307-BA
203122-19	MW97-20120307-BA
203122-20	MW99-20120306-BA
203122-21	MW101-20120306-BA
203122-22	Trip Blank-24309

All quality control requirements were acceptable.

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122
Date Extracted: 03/09/12
Date Analyzed: 03/10/12, 03/11/12, and 03/13/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW65-20120307-BL 203122-01	<1	<1	<1	<3	<100	91
MW65-20120307-BA 203122-02	<1	<1	<1	<3	<100	92
MW67-20120306-PE 203122-03	<1	<1	<1	<3	<100	95
MW68-20120306-PE 203122-04	<1	<1	<1	<3	<100	95
MW69-20120306-BA 203122-05	1.5	<1	100	440	5,400	87
MW70-20120306-BA 203122-06	7.6	<1	<1	4.1	280	98
MW76-20120306-BA 203122-07	<1	<1	<1	<3	<100	96
MW77-20120306-BA 203122-08	<1	<1	<1	<3	<100	95
MW78-20120306-BA 203122-09	<1	<1	<1	<3	<100	94
MW84-20120307-BL 203122-10	<1	1.6	5.0	14	680	99
MW85-20120306-BL 203122-11	3.1	<1	<1	<3	<100	94

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122
Date Extracted: 03/09/12
Date Analyzed: 03/10/12, 03/11/12, and 03/13/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW86-20120306-BL 203122-12	3.7	<1	<1	<3	130	95
MW86-20120306-BL2 203122-13	3.8	<1	<1	<3	140	94
MW87-20120306-BA 203122-14	<1	<1	<1	<3	<100	95
MW88-20120306-PE 203122-15	<1	<1	<1	<3	<100	92
MW89-20120306-BL 203122-16	<1	<1	<1	<3	<100	95
MW95-20120307-BA 203122-17	<1	<1	<1	<3	<100	92
MW96-20120307-BA 203122-18	<1	<1	<1	<3	<100	94
MW97-20120307-BA 203122-19	9.4	<1	<1	3.4	420	101
MW99-20120306-BA 203122-20	2.1	<1	<1	<3	<100	92
MW101-20120306-BA 203122-21	<1	<1	<1	<3	<100	96

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122
Date Extracted: 03/09/12
Date Analyzed: 03/10/12, 03/11/12, and 03/13/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
Trip Blank-24309 203122-22	<1	<1	<1	<3	<100	96
Method Blank 02-393 MB	<1	<1	<1	<3	<100	95
Method Blank 02-394 MB	<1	<1	<1	<3	<100	95

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW85-20120306-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-11
Date Analyzed:	03/13/12	Data File:	203122-11.071
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	88	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW95-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-17
Date Analyzed:	03/13/12	Data File:	203122-17.072
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	84	60	125

Analyte:	Concentration ug/L (ppb)
Lead	2.74

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW96-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-18
Date Analyzed:	03/13/12	Data File:	203122-18.073
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Lead	11.4

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW97-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-19
Date Analyzed:	03/13/12	Data File:	203122-19.074
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Lead	2.07

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW99-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309
Date Extracted:	03/12/12	Lab ID:	203122-20
Date Analyzed:	03/13/12	Data File:	203122-20.075
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Lead	1.08

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW101-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-21
Date Analyzed:	03/13/12	Data File:	203122-21.076
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Lead	22.6

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-166 mb
Date Analyzed:	03/13/12	Data File:	I2-166 mb.057
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW85-20120306-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-11
Date Analyzed:	03/13/12	Data File:	203122-11.027
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW95-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-17
Date Analyzed:	03/13/12	Data File:	203122-17.029
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW96-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-18
Date Analyzed:	03/13/12	Data File:	203122-18.030
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW97-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-19
Date Analyzed:	03/13/12	Data File:	203122-19.031
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW99-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-20
Date Analyzed:	03/13/12	Data File:	203122-20.032
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW101-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203122-21
Date Analyzed:	03/13/12	Data File:	203122-21.033
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-169 mb
Date Analyzed:	03/13/12	Data File:	I2-169 mb.018
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW65-20120307-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-01
Date Analyzed:	03/10/12	Data File:	031011.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW69-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-05
Date Analyzed:	03/10/12	Data File:	031012.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	104	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW70-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-06
Date Analyzed:	03/10/12	Data File:	031013.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	95	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW76-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-07
Date Analyzed:	03/10/12	Data File:	031014.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW77-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309
Date Extracted:	03/10/12	Lab ID:	203122-08
Date Analyzed:	03/10/12	Data File:	031015.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW78-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-09
Date Analyzed:	03/10/12	Data File:	031016.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW84-20120307-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-10
Date Analyzed:	03/10/12	Data File:	031017.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	95	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW85-20120306-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-11
Date Analyzed:	03/10/12	Data File:	031018.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW86-20120306-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB
Date Extracted:	03/10/12	Lab ID:	203122-12
Date Analyzed:	03/10/12	Data File:	031019.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW87-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-14
Date Analyzed:	03/10/12	Data File:	031020.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	95	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW89-20120306-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-16
Date Analyzed:	03/10/12	Data File:	031025.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW95-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-17
Date Analyzed:	03/10/12	Data File:	031026.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW96-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-18
Date Analyzed:	03/10/12	Data File:	031027.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW97-20120307-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-19
Date Analyzed:	03/10/12	Data File:	031028.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW99-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-20
Date Analyzed:	03/10/12	Data File:	031029.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW101-20120306-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-21
Date Analyzed:	03/11/12	Data File:	031030.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Trip Blank-24309	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203122-22
Date Analyzed:	03/11/12	Data File:	031031.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	02-0369 mb
Date Analyzed:	03/10/12	Data File:	031010.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 203122-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	90	65-118
Toluene	ug/L (ppb)	50	95	72-122
Ethylbenzene	ug/L (ppb)	50	97	73-126
Xylenes	ug/L (ppb)	150	95	74-118
Gasoline	ug/L (ppb)	1,000	95	69-134

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 203141-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	13	15	13
Toluene	ug/L (ppb)	4.6	5.2	12
Ethylbenzene	ug/L (ppb)	56	54	2
Xylenes	ug/L (ppb)	130	130	1
Gasoline	ug/L (ppb)	3,800	3,600	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	90	65-118
Toluene	ug/L (ppb)	50	93	72-122
Ethylbenzene	ug/L (ppb)	50	94	73-126
Xylenes	ug/L (ppb)	150	93	74-118
Gasoline	ug/L (ppb)	1,000	96	69-134

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 203134-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	99	100	76-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	67-135

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 203121-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	24.6	85 b	96 b	76-125	12 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	99	67-135

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 203122-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	88	85-97
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	83	76-100

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	86	86	86-97	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	80	80	75-100	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

203122

ME 03/09/12

SAMPLE CHAIN OF CUSTODY

Page # 1 of 3

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Camarda, L. Swart, A. Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO # 01-176

GEMS Y

REMARKS: TOC 01-176 / 24309 Dissolved Pb samples were field filtered

TURNAROUND TIME: (Standard (2 Weeks)) RUSH ____ Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

ANALYSES REQUESTED

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260 (EPA)	Total Pb	Dissolved Pb		HOLD	Notes
								✓	✓	✓					EDC per DG 3/9/12 mg.
MW65-20120307-BL	MW65	01 A-F	03/07/12	1155	Water	6		✓	✓						
MW65-20120307-BA	MW65	02 A-C	03/07/12	1335	Water	3		✓	✓						
MW67-20120306-PE	MW67	03 A-C	03/06/12	1015	Water	3		✓	✓						
MW68-20120306-PE	MW68	04 A-C	03/06/12	1109	Water	3		✓	✓	✓					
MW69-20120306-BA	MW69	05 A-F	03/06/12	1140	Water	6		✓	✓	✓					
MW70-20120306-BA	MW70	06	03/06/12	1243	Water	6		✓	✓	✓					
MW76-20120306-BA	MW76	07	03/06/12	1311	Water	6		✓	✓	✓					
MW77-20120306-BA	MW77	08	03/06/12	1502	Water	6		✓	✓	✓					
MW78-20120306-BA	MW78	09	03/06/12	1518	Water	6		✓	✓	✓					
MW84-20120307-BL	MW84	10	03/07/12	0938	Water	6		✓	✓	✓					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Namba	SES	03/09/12	0940
Received by:	Nhan Phan	FedEx	03/09/12	0940
Relinquished by:				
Received by:		Samples received at 2 °C		

Friedman & Bruya, Inc.
Avenue West
98119-2029
5-8282
3-5044

203122

SAMPLE CHAIN OF CUSTODY ME 03/09/12

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Camarda, L. Swart, A. Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24309 Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH ____ Rush charges authorized by: ____

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW85-20120306-BL	MW85	11 A-H	03/06/12	1415	Water	8		✓	✓	✓	✓	✓			
MW86-20120306-BL	MW86	12 A-F	03/06/12	1300	Water	6		✓	✓	✓					
MW86-20120306-BL2	MW86	13 A-C	03/06/12	1310	Water	3		✓	✓						
MW87-20120306-BA	MW87	14 A-F	03/06/12	1351	Water	6		✓	✓	✓					
MW88-20121306-PE	MW88	15 A-C	03/06/12	1205	Water	3		✓	✓						
MW89-20120306-BL	MW89	16 A-F	03/06/12	1127	Water	6		✓	✓	✓					
MW95-20120307-BA	MW95	17 A-H	03/07/12	1150	Water	8		✓	✓	✓	✓	✓			
MW96-20120307-BA	MW96	18	03/07/12	1222	Water	8		✓	✓	✓	✓	✓			
MW97-20120307-BA	MW97	19	03/07/12	1140	Water	8		✓	✓	✓	✓	✓			
MW98-20120308-BA	MW98		03/08/12	0900	Water	8		✓	✓	✓	✓	✓			

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Harry Namba	SES	03/09/12	0940
Received by:		Nhan Phan	FEBI	03/09/12	0940
Relinquished by:					
Received by:			as received at 2 °C		

203122

SAMPLE CHAIN OF CUSTODY ME 03/09/12 V6/AI3

Send Report To Dee Gardner
Company SoundEarth Strategies, Inc.
Address 2811 Fairview Ave. E.
City, State, ZIP Seattle, WA 98102
Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Hamba W. Camarda, L. Swart, A. Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24309 Dissolved Pb Samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH
Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260 EPC	Total Pb	Dissolved Pb		HOLD	Notes
MW99-20120306-BA	MW99	20 A-H	03/06/12	1025	Water	8		✓	✓	✓	✓	✓			
MW101-20120306-BA	MW101	21 A-H	03/06/12	1208	Water	8		✓	✓	✓	✓	✓			
Trip Blank-24309	TB-24309	22 A-B	—	—	Water	2		✓ (2)	✓	✓					Laboratory supplied

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Hamba	Larry Hamba	SES	03/09/12	0940
Received by:		Nhan Phan	FEBT	03/09/12	0940
Relinquished by:					
Received by:			Samples received at 2 °C		

Friedman & Bruya, Inc. #203141

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

March 16, 2012

Dee Gardner, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Gardner:

Included are the results from the testing of material submitted on March 9, 2012 from the TOC_01-176_20120309 WORFDB6, F&BI 203141 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Audrey Hackett, Beau Johnson
SOU0316R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 9, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20120309 WORFDB6, F&BI 203141 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
203141-01	MW98-20120308-BA

All quality control requirements were acceptable.

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203141
Date Extracted: 03/09/12
Date Analyzed: 03/11/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW98-20120308-BA 203141-01	13	4.6	56	130	3,800	90
Method Blank 02-394 MB	<1	<1	<1	<3	<100	95

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW98-20120308-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203141-01
Date Analyzed:	03/13/12	Data File:	203141-01.083
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	83	60	125

Analyte:	Concentration ug/L (ppb)
Lead	1.87

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-166 mb
Date Analyzed:	03/13/12	Data File:	I2-166 mb.057
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW98-20120308-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203141-01
Date Analyzed:	03/13/12	Data File:	203141-01.038
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	92	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-169 mb
Date Analyzed:	03/13/12	Data File:	I2-169 mb.018
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW98-20120308-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	203141-01
Date Analyzed:	03/11/12	Data File:	031034.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	104	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/10/12	Lab ID:	02-0369 mb
Date Analyzed:	03/10/12	Data File:	031010.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<1

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 203141-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	13	15	13
Toluene	ug/L (ppb)	4.6	5.2	12
Ethylbenzene	ug/L (ppb)	56	54	2
Xylenes	ug/L (ppb)	130	130	1
Gasoline	ug/L (ppb)	3,800	3,600	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	90	65-118
Toluene	ug/L (ppb)	50	93	72-122
Ethylbenzene	ug/L (ppb)	50	94	73-126
Xylenes	ug/L (ppb)	150	93	74-118
Gasoline	ug/L (ppb)	1,000	96	69-134

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 203134-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	99	100	76-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	67-135

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 203121-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	24.6	85 b	96 b	76-125	12 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	99	67-135

Date of Report: 03/16/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 203122-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	88	85-97
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	83	76-100

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	86	86	86-97	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	80	80	75-100	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

203141

SAMPLE CHAIN OF CUSTODY Orake HE 03/09/12

#3/AI3

Page # 1 of 1

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Camarda, A. Leaf, L. Swart

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24309 Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH ____ Rush charges authorized by: ____

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260 EDC	Total Pb	Dissolved Pb		HOLD	Notes
mw98-20120308-BA	mw98	01A-H	03/08/12	0900	Water	8		✓	✓	✓	✓	✓			EDC, per DG 3/9/12 mc

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Namba	SES	03/09/12	1450
Received by:	Nhan Phan	FedEx	03/09/12	1450
Relinquished by:				
Received by:		Samples received at 2 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Friedman & Bruya, Inc. #203142

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

March 21, 2012

Dee Gardner, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Gardner:

Included are the results from the testing of material submitted on March 9, 2012 from the TOC_01-176_20120309 WORFDB6, F&BI 203142 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Audrey Hackett, Beau Johnson
SOU0321R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 9, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20120309 WORFDB6, F&BI 203142 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
203142-01	MW02-20120308-PE
203142-02	MW03-20120308-PE
203142-03	MW06-20120308-PE
203142-04	MW09-20120307-PE
203142-05	MW999-20120307-PE
203142-06	MW09-20120307-BL
203142-07	MW09-20120308-BA
203142-08	MW10-20120307-PE
203142-09	MW15-20120308-BA
203142-10	MW18-20120307-PE
203142-11	MW19-20120309-PE
203142-12	MW20-20120309-PE
203142-13	MW24-20120309-PE
203142-14	MW26-20120307-BA
203142-15	MW27-20120309-PE
203142-16	MW29-20120309-PE
203142-17	MW32-20120309-PE
203142-18	MW34-20120309-PE
203142-19	MW36-20120308-BA
203142-20	MW37-20120308-PE
203142-21	MW38-20120308-PE
203142-22	MW91-20120308-BA
203142-23	Trip Blank-24205
203142-24	MW20-20120309-PE2

All quality control requirements were acceptable.

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203142
Date Extracted: 03/14/12 and 03/16/12
Date Analyzed: 03/14/12, 03/15/12, and 03/16/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW02-20120308-PE 203142-01	<1	<1	<1	<3	<100	86
MW03-20120308-PE 203142-02	<1	<1	<1	<3	<100	84
MW06-20120308-PE 203142-03	<1	<1	<1	<3	<100	87
MW09-20120307-PE 203142-04 1/5	30	76	350	2,400	11,000	87
MW999-20120307-PE 203142-05 1/20	30	75	370	2,100	11,000	86
MW09-20120307-BL 203142-06 1/20	56	110	440	2,300	13,000	87
MW09-20120308-BA 203142-07 1/10	19	28	67	460	2,800	86
MW10-20120307-PE 203142-08	62	7.3	27	89	1,400	88
MW15-20120308-BA 203142-09 1/5	<5	<5	88	480	8,200	91
MW18-20120307-PE 203142-10 1/10	43	<10	110	720	5,900	92
MW19-20120309-PE 203142-11	<1	<1	<1	<3	<100	84

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203142
Date Extracted: 03/14/12 and 03/16/12
Date Analyzed: 03/14/12, 03/15/12, and 03/16/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW20-20120309-PE 203142-12 1/10	200	57	310	460	5,800	92
MW24-20120309-PE 203142-13	7.3	39	39	770	4,400	97
MW26-20120307-BA 203142-14	<1	<1	<1	<3	<100	83
MW27-20120309-PE 203142-15 1/10	8.5	94	620	3,900	23,000	95
MW29-20120309-PE 203142-16	1.5	2.7	220	840	6,700	118
MW32-20120309-PE 203142-17	3.1	11	1.1	16	120	85
MW34-20120309-PE 203142-18	<1	<1	<1	<3	<100	83
MW36-20120308-BA 203142-19	<1	<1	<1	<3	<100	90
MW37-20120308-PE 203142-20	<1	<1	<1	<3	<100	89
MW38-20120308-PE 203142-21	<1	<1	<1	<3	<100	90

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203142
Date Extracted: 03/14/12 and 03/16/12
Date Analyzed: 03/14/12, 03/15/12, and 03/16/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW91-20120308-BA 203142-22 1/5	36	95	410	3,100	15,000	97
Trip Blank-24205 203142-23	<1	<1	<1	<3	<100	90
MW20-20120309-PE2 203142-24 1/10	180	54	310	480	5,600	88
Method Blank 02-0438 MB	<1	<1	<1	<3	<100	86
Method Blank 02-0444 MB	<1	<1	<1	<3	<100	85

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW91-20120308-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/16/12	Lab ID:	203142-22
Date Analyzed:	03/16/12	Data File:	203142-22.057
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	106	60	125

Analyte:	Concentration ug/L (ppb)
Lead	15.9

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/16/12	Lab ID:	I2-178 mb
Date Analyzed:	03/16/12	Data File:	I2-178 mb.045
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	121	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW91-20120308-BA	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203142-22
Date Analyzed:	03/13/12	Data File:	203142-22.040
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6,
Date Extracted:	03/12/12	Lab ID:	I2-169 mb
Date Analyzed:	03/13/12	Data File:	I2-169 mb.018
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203142

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 203142-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	88	72-119
Toluene	ug/L (ppb)	50	89	71-113
Ethylbenzene	ug/L (ppb)	50	90	72-114
Xylenes	ug/L (ppb)	150	86	72-113
Gasoline	ug/L (ppb)	1,000	100	70-119

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203142

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 203180-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	108	106	85-115	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	84-120

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203142

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 203121-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	24.6	85 b	96 b	76-125	12 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	99	67-135

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

20314 2

SAMPLE CHAIN OF CUSTODY

TOC ME 03/09/12 VST AT3

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L.Namba, W.Camarda, L.Swart, A.Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24205 Dissolved Pb samples were field filtered.

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW02-20120308~~-12~~-PE	MW02	01 A-C	03/08/12	1315	Water	3		✓	✓						
MW03 & 20120308-PE	MW03	02	03/08/12	1628	Water	3		✓	✓						
MW06-20120308-PE	MW06	03	03/08/12	1456	Water	3		✓	✓						
MW09-20120307-PE	MW09	04	03/07/12	1449	Water	3		✓	✓						
MW999-20120307-PE	MW999	05	03/07/12	1449	Water	3		✓	✓						Duplicate of MW09
MW09-20120307-BL	MW09	06	03/07/12	1542	Water	3		✓	✓						
MW09-20120308-BA	MW09	07	03/08/12	1501	Water	3		✓	✓						
MW10-20120307-PE	MW10	08	03/07/12	1710	Water	3		✓	✓						
MW15-20120308-BA	MW15	09	03/08/12	1527	Water	3		✓	✓						
MW18-20120307-PE	MW18	10	03/07/12	1808	Water	3		✓	✓						

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Namba	Larry Namba	SES	03/09/12	1450
Received by:	Nhan Pham	Nhan Pham	F&BI	3/9/12	1450
Relinquished by:					
Received by:			Samples received at 2 °C		

203142

SAMPLE CHAIN OF CUSTODY

ME 03/09/12

VS/AI3

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Carnarola, L. Swart, A. Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24205 Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW19-20120309-PE	MW19	11 A-C	03/09/12	1232	Water	3		✓	✓						
MW20-20120309-PE	MW20	12	03/09/12	1148	water	3		✓	✓						
MW24-20120309-PE	MW24	13	03/09/12	1108	water	3		✓	✓						
MW26-20120307-BA	MW26	14	03/07/12	1720	water	3		✓	✓						
MW27-20120309-PE	MW27	15	03/09/12	1015	water	3		✓	✓						
MW28-	MW28				water	3		✓	✓						ED
MW29-20120309-PE	MW29	16 A-E	03/09/12	1019	water	(5) B		✓	✓						
MW32-20120309-PE	MW32	17 A-C	03/09/12	1154	water	3		✓	✓						
MW34-20120309-PE	MW34	18 A-C	03/09/12	1232	water	3		✓	✓						
MW36-20120308-BA	MW36	19 A-E	03/08/12	0816	water	(5) B		✓	✓						

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Larry Namba	SES	03/09/12	1450
Received by:		Nhan Phan	FEBI	03/09/12	1450
Relinquished by:					
Received by:			Samples received at 2 °C		

203142

SAMPLE CHAIN OF CUSTODY ME 03/09/12

VS/AT 3

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) L. Namba, W Lazarda, L. Swart, A. Leaf

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / 24205 Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW37-20120308-PE	MW37	20 A-C	03/08/12	1603	Water	3		✓	✓						(X) - per DL 3/12/12 MC
MW38-20120308-PE	MW38	21 A-C	03/08/12	1407	Water	3		✓	✓						
MW91-20120308-BA	MW91	22 A-E	03/08/12	1450	Water	5		✓	✓		✓	✓			
Trip Blank-24205	TB-24205	23 A B			Water	2								✓	Laboratory Supplied
~~MW20-3~~															
MW20-20120309-PE2	MW20	24 A-C	03/09/12	1150	water	3		(X)	(X)						(ND) Added in lab 3-9-12

ANALYSES REQUESTED

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Namba	SES	03/09/12	1450
Received by:	Nhan Pham	FEBI	03/09/12	1450
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
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Friedman & Bruya, Inc. #203143

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

May 1, 2012

Dee Gardner, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Gardner:

Included is the amended report from the testing of material submitted on March 9, 2012 from the TOC_01-176_20120309 WORFDB6, F&BI 203143 project. The case narrative has been corrected.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Audrey Hackett, Beau Johnson
SOU0321R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

March 21, 2012

Dee Gardner, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Gardner:

Included are the results from the testing of material submitted on March 9, 2012 from the TOC_01-176_20120309 WORFDB6, F&BI 203143 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Audrey Hackett, Beau Johnson
SOU0321R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 9, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20120309 WORFDB6, F&BI 203143 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
203143-01	MW04-20120307-PE
203143-02	MW05-20120308-PE
203143-03	MW08-20120308-PE
203143-04	MW12-20120308-PE
203143-05	MW48-20120308-BA
203143-06	MW49-20120308-BL
203143-07	MW49-20120308-BA
203143-08	MW50-20120308-BA
203143-09	MW51-20120308-BA
203143-10	MW53-20120307-BA
203143-11	MW55-20120308-BL
203143-12	MW55-20120308-BL2
203143-13	MW60-20120308-BL
203143-14	MW61-20120308-PE
203143-15	MW62-20120308-PE
203143-16	MW63-20120308-BL
203143-17	MW64-20120308-BA
203143-18	MW75-20120307-BL

The total xylenes result for MW48-20120308-BA exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203143
Date Extracted: 03/12/12 and 03/13/12
Date Analyzed: 03/12/12, 03/13/12, and 03/14/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW04-20120307-PE 203143-01	<1	<1	1.5	<3	<100	93
MW05-20120308-PE 203143-02	<1	<1	<1	12	<100	96
MW08-20120308-PE 203143-03	<1	<1	<1	<3	<100	98
MW12-20120308-PE 203143-04	<1	<1	<1	<3	<100	96
MW48-20120308-BA 203143-05 1/20	220	140	770	5,400 ve	37,000	106
MW49-20120308-BL 203143-06	<1	<1	<1	<3	<100	96
MW49-20120308-BA 203143-07	<1	<1	<1	<3	<100	96
MW50-20120308-BA 203143-08	<1	<1	<1	<3	<100	96
MW51-20120308-BA 203143-09	<1	<1	<1	<3	<100	97
MW53-20120307-BA 203143-10	<1	<1	<1	<3	<100	94
MW55-20120308-BL 203143-11	<1	<1	<1	<3	<100	98

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203143
Date Extracted: 03/12/12 and 03/13/12
Date Analyzed: 03/12/12, 03/13/12, and 03/14/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW55-20120308-BL2 203143-12	<1	<1	<1	<3	<100	95
MW60-20120308-BL 203143-13	<1	<1	<1	<3	<100	96
MW61-20120308-PE 203143-14	<1	<1	<1	<3	<100	98
MW62-20120308-PE 203143-15	<1	<1	<1	<3	<100	96
MW63-20120308-BL 203143-16	<1	<1	<1	<3	<100	93
MW64-20120308-BA 203143-17	<1	<1	<1	<3	<100	97
MW75-20120307-BL 203143-18	<1	<1	<1	<3	<100	97
Method Blank 02-0401 MB	<1	<1	<1	<3	<100	95

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW60-20120308-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/16/12	Lab ID:	203143-13
Date Analyzed:	03/16/12	Data File:	203143-13.058
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	108	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW75-20120307-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/16/12	Lab ID:	203143-18
Date Analyzed:	03/16/12	Data File:	203143-18.059
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	109	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/16/12	Lab ID:	I2-178 mb
Date Analyzed:	03/16/12	Data File:	I2-178 mb.045
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	121	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW60-20120308-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203143-13
Date Analyzed:	03/13/12	Data File:	203143-13.041
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW75-20120307-BL	Client:	SoundEarth Strategies
Date Received:	03/09/12	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	203143-18
Date Analyzed:	03/13/12	Data File:	203143-18.042
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20120309 WORFDB6
Date Extracted:	03/12/12	Lab ID:	I2-169 mb
Date Analyzed:	03/13/12	Data File:	I2-169 mb.018
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Lead	<1

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203143

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 203143-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	1.5	1.5	0
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	91	65-118
Toluene	ug/L (ppb)	50	95	72-122
Ethylbenzene	ug/L (ppb)	50	96	73-126
Xylenes	ug/L (ppb)	150	95	74-118
Gasoline	ug/L (ppb)	1,000	99	69-134

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203143

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 203180-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	108	106	85-115	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	84-120

Date of Report: 03/21/12
Date Received: 03/09/12
Project: TOC_01-176_20120309 WORFDB6, F&BI 203143

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 203121-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	24.6	85 b	96 b	76-125	12 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	99	67-135

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

203143

SAMPLE CHAIN OF CUSTODY

ROW ME 03/09/12 V2 / AI2

Page # 1 of 2

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Namba, W. Lamarola, L. Swart, A. Heal

PROJECT NAME/NO.: TOC Facility 01-176 0440-030-18

PO #: 01-176

REMARKS: TOC 01-176 / ROW — Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW04-20120307-PE	MW04	01 A-C	03/07/12	1800	Water	3		✓	✓						
MW05-20120308-PE	MW05	02	03/08/12	1202	Water	3		✓	✓						
MW08-20120308-PE	MW08	03	03/08/12	1023	Water	3		✓	✓						
MW12-20120308-PE	MW12	04	03/08/12	0930	Water	3		✓	✓						
MW48-20120308-BA	MW48	05	03/08/12	1340	Water	3		✓	✓						
MW49-20120308-BL	MW49	06	03/08/12	1425	Water	3		✓	✓						
MW49-20120308-BA	MW49	07	03/08/12	1512	Water	3		✓	✓						
MW50-20120308-BA	MW50	08	03/08/12	0806	Water	3		✓	✓						
MW51-20120308-BA	MW51	09	03/08/12	1204	Water	3		✓	✓						
MW53-20120307-BA	MW53	10	03/07/12	1810	Water	3		✓	✓						

ANALYSES REQUESTED

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Larry Namba	SES	03/09/12	1450
Received by:		Nhan Phan	FEBI	3/9/12	1450
Relinquished by:					
Received by:					

Samples received at 3 °C

203143

SAMPLE CHAIN OF CUSTODY ME 03/09/12

V2/AI2

Page # 2 of 2

Send Report To Dee Gardner

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave. E.

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): L. Hamba, W. Lamarda, L. Swart, A. Leal

PROJECT NAME/NO.: TOC Facility 01-176 0490-030-18

PO #: 01-176

REMARKS: TOC 01-176 / ROW Dissolved Pb samples were field filtered

GEMS Y

TURNAROUND TIME: (Standard (2 Weeks)) RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: (Dispose after 30 days) Return samples Will call with instructions

Sample ID	Location ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	MTBE by 8260	Total Pb	Dissolved Pb		HOLD	Notes
MW55-20120308-BL	MW55	11 A-C	03/08/12	1126	water	3		✓	✓						
MW55-20120308-BL2	MW55	12	03/08/12	1129	Water	3		✓	✓						
MW60-20120308-BL	MW60	13 A-E	03/08/12	1315	Water	5		✓	✓		✓	✓			
MW61-20120308-PE	MW61	14 A-C	03/08/12	1048	Water	3		✓	✓						
MW62-20120308-PE	MW62	15	03/08/12	1059	water	3		✓	✓						
MW63-20120308-BL	MW63	16	03/08/12	0945	Water	3		✓	✓						Time on Vial 0948
MW64-20120308-BA	MW64	17	03/08/12	1256	water	3		✓	✓						
MW75-20120307-BL	MW75	18 A-E	03/07/12	1045	Water	5		✓	✓		✓	✓			
Trip-ROW	TB-ROW	~~EAB~~ (NP)			Water	2			✓						DO not received (ND) Laboratory Supplied 3/9/12

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Larry Namba	SES	03/09/12	1450
Received by:		Nhan Phan	FedEx	3/9/12	1452
Relinquished by:					
Received by:			Samples received at 3 °C		