TOC Facility No 01 176 / SIT 4.9.3

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GROUNDWATER MONITORING REPORT
First Quarter 2013

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:	WOR1176SES19
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 2013 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 West ROW are collectively referred to as the Interim Remedial Action Project Area, as defined in the Interim Remedial Action Work Plan (IRAWP; SoundEarth 2011) 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. In 2012, three in situ groundwater monitoring systems were constructed at the TOC Property, TOC/Farmasonis Property, and Drake Property. Operation of the remediation systems commenced in October 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, 4.1, 4.2, and 4.3).

Construction of three in situ groundwater remediation systems for the TOC Property, TOC/Farmasonis Property, and the Drake Property, respectively, was completed during Third Quarter 2012. The remediation systems were started at the beginning of Fourth Quarter 2012 on October 3, 2012.

Shallow Zone

The Shallow Zone occurs within 20 feet of the ground surface, perched within glacial till soil consisting of poorly sorted, ice-laid silty sand with varying amounts of gravel. 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, 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, 4.1, 4.2, and 4.3. Monitoring wells MW02 through MW06, MW12, MW19, MW34, MW54, MW61, MW62, MW67, MW68, and MW79 are screened within the Shallow Zone (Figures 3 and 4.1).

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 soil 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, MW23, 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 4.2). Intermediate Zone monitoring wells MW09, MW10, MW11, MW21, MW22, MW24, and MW25 were connected to the former remediation system between 1996 and 2004.

The following monitoring wells have been adapted for use as remediation wells: MW11, MW15, MW18, MW24, MW27, MW29, MW31, MW32, MW41, MW57, MW69, MW70, MW84, MW90 through MW99, and MW101. The following wells were connected to the former remediation system between 1996 and 2004: MW09, MW10, MW11, MW21, MW22, MW24, and MW25.

Monitoring wells MW80, MW82, MW88, and MW100 are screened in the upper Intermediate Zone, between approximate depths of 20 and 30 feet bgs. The screened intervals for monitoring wells MW08, MW22, MW24, MW25, MW27, MW28, MW29, MW37, and MW38 are shallower than 20 feet bgs, potentially intersecting both the Shallow and Intermediate Zones; data obtained from those monitoring wells and any current or former remediation wells may be used, qualified, or rejected based on seasonal variations in the two water-bearing zones, as discussed in the "Results" section of this report.

Deep Zone

The Deep Zone is a semi-confined aquifer situated within glacial advance sand and gravel located 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 elevations equilibrate with atmospheric pressure under unconfined conditions near the bottom of the glacial till deposits. 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 0.2 to 2.8 feet shallower than the Intermediate Zone, maintaining an upward vertical gradient between the two zones. During First Quarter 2013, the Deep Zone groundwater table equilibrated 1.81 to 2.43 feet higher than the Intermediate Zone groundwater table. Monitoring wells MW26, MW30, MW39, MW40, MW64, and MW78 are screened in the Deep Zone (Figures 3 and 4.3).

Decommissioned Wells

Of the 101 monitoring wells that have been installed at the Interim Remedial Action Project Area and the Shin/Choi Property, six have been decommissioned. Monitoring wells MW01, MW07, MW14, MW17, MW21, 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). Monitoring/remediation well MW21 was damaged during spring 2012 and decommissioned on April 16, 2012. 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.

QUARTERLY GROUNDWATER MONITORING

The monitoring event was conducted on February 18 through 28, 2013, to evaluate the environmental quality, flow direction, and gradient of groundwater beneath the Interim Remedial Action Project Area and to eventually demonstrate compliance with Washington State Model Toxics Control Act 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 5.2, 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 Co. 1975), maps prepared by previous consultants (Landau 2005), and recent aerial photographs (USGS 2002). The base map for Figures 2 through 5.2 was developed 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, MW22 through MW70, MW75 through MW82, and MW84 through MW101. Wells MW41 through MW44 were nominally dry or recharge was insufficient to fill the complete the suite of analyses; SoundEarth was able to collected a partial sample from well MW41. The scope of work included collection and analysis of 88 groundwater samples and 10 quality assurance/quality control (QA/QC) samples.

First Quarter 2013 groundwater elevations and sample analytical results are summarized on Table 1. Historical groundwater elevations and sample analytical results from June 1992 through February 2013 are presented in Table 2. Fuel additive analytical results from September 2005 through February 2013 are presented on Table 3. The results of First Quarter 2013 QA/QC sample analyses are presented on Table 4.

Depth-to-Liquid Level Measurements

Upon arrival at the Interim Remedial Action Project Area on February 18, 2013, 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 February 18, 2013, except at monitoring well MW75, which was accessed, gauged, and sampled on February 19, 2013, in accordance with the traffic control plan. SoundEarth measured and recorded groundwater levels relative to the top of the well casings 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 ((i.e., light nonaqueous-phase liquid [LNAPL]) were encountered, SoundEarth used an interface probe to measure the depth to LNAPL and the depth to groundwater.

LNAPL, lighter than water, slightly depresses the groundwater table as a function of the specific gravity difference between the two media. In wells where LNAPL was measureable, the reported groundwater elevations shown on Tables 1 and 2 were normalized using the industry-standard specific gravity

estimate of 0.8 for LNAPL relative to 1.0 for water. The following equation was used for the normalization:

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

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.

Sample Collection Methods

Peristaltic pumps are the default, low-flow sample collection method at the Interim Remedial Action Project Area, but they 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.
- Each remediation well is equipped with a dedicated pneumatic pump to suppress groundwater elevations under induced vacuum. A pneumatic pump delivers groundwater to surface elevations using pulses of compressed air, resulting in a loss of volatile compounds. Pneumatic wells obstruct the use of other groundwater sampling methods; therefore, pneumatic pumps are used to collect performance groundwater samples from selected remediation wells.

SoundEarth decided to restrict the number of sampling methods to four (peristaltic pump, bladder pump, bailer, and pneumatic pump) and elected not to use a fifth sampling method (submersible pumps). The sampling method used to collect each sample is indicated on Tables 1 and 4 with the sample analytical results.

On February 19 through 28, 2013, SoundEarth collected groundwater samples from each of the wells in accordance with the following methods, protocols, and rationale:

- In wells that had been connected to the remediation system, SoundEarth collected groundwater samples using the downhole pneumatic pump installed in each remediation well (wells MW11, MW15, MW18, MW24, MW27, MW29, MW31, MW32, MW41, MW57, MW69, MW70, MW84, MW90 through MW99, and MW101. The pneumatic pumps deliver a pulse of groundwater to the wellhead whenever the groundwater table rises above the top of the pump.
- In general, whenever depths to groundwater were shallower than approximately 31 feet bgs and the well was not connected to a remediation system, SoundEarth collected groundwater samples in accordance with low-flow protocols using a peristaltic pump (monitoring wells MW02 through MW06, MW08, MW10, MW12, MW19, MW20, MW22, MW25, MW34, MW37, MW38, MW54, MW61, MW62, MW67, MW68, MW79, MW80, MW82, MW88, and 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, MW75, MW85, MW86, and MW89), or disposable polyethylene bailers. Bailers were used 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 MW13, MW16, MW23, MW26, MW30, MW36, MW39, MW40, MW46, MW47, MW50 through MW53, MW64, MW66, MW76, MW77, MW78, MW81, and MW87).
  - 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 (monitoring wells MW28, MW33, MW45, and 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) bladder pump, (2) peristaltic pump, (3) blind field duplicate by peristaltic pump, and (4) method duplicate by bailer. SoundEarth collected field duplicate samples from monitoring wells MW20 using a peristaltic pump, MW55 using a bladder pump, MW86 using a bladder pump, and MW98 using a pneumatic pump. SoundEarth also collected a sample and QA/QC sample from monitoring well MW28 using a peristaltic pump and bailer, respectively, and a sample and QA/QC sample from monitoring well MW65 using a bladder pump and bailer, respectively.
- Monitoring wells MW41 through MW44 were either nominally dry or insufficient water was present for complete sample collection.

The sampling method used to collect each sample is indicated on Tables 1 and 4 and presented with the sample analytical results.

Purging and Sampling

Purging and sampling with a peristaltic pump was performed using dedicated polyethylene tubing at flow rates ranging from 42 to 220 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 37 to 184 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, or sampling with the pneumatic pumps. 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 wells MW35, MW45 and MW46 bailed dry upon removal of one well-volume of groundwater, were allowed to recharge, and were sampled later the same day.
- Monitoring wells MW50 and MW53 bailed dry upon removal of approximately two well-volumes of groundwater, were allowed to recharge, and were sampled later the same 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 or 8260C. The groundwater samples collected from monitoring wells MW65, MW69, MW70, MW76 through MW78, MW84 through MW87, MW89, MW95 through MW99, and MW101 were analyzed for methyl tertiary-butyl ether (MTBE) by EPA Method 8260C. In addition, samples collected from monitoring wells MW29, MW31, MW32, MW35, MW46, MW47, MW48, MW90, MW91, and MW101 were analyzed for total and dissolved lead by EPA Method 200.8. The groundwater sample collected from well MW41 was analyzed only for total lead due to insufficient groundwater recharge. 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 for transfer to the remediation systems for treatment and permitted discharge to the sanitary sewer.

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

RESULTS

Groundwater levels measured on February 18 and 19, 2013, ranged from 4.27 feet (Shallow Zone monitoring well MW04) to 42.65 feet (Intermediate Zone monitoring well MW16) below the top of the well casings (Table 2). Groundwater elevations from the monitoring wells were contoured using the water level measurements collected on February 18, 2013 (Figures 4.1, 4.2, and 4.3).

During the First Quarter 2013 monitoring event, the overall direction of groundwater flow within the Shallow and Deep Zones generally trended south–southeast, while groundwater appears mounded within the Intermediate Zone (Figures 4.1, 4.2, and 4.3) across the following elevation ranges:

- Shallow Zone groundwater elevations ranged from 344.96 feet (monitoring well MW79) to 357.75 feet (monitoring well MW04). There is no evidence of groundwater mounding in the Shallow Zone in the vicinity of the former stormwater infiltration pit (Figure 4.1).
- Intermediate Zone groundwater elevations ranged from 346.43 feet (monitoring well MW09) to 315.68 feet (monitoring well MW87). Groundwater mounds within the Intermediate Zone between approximately 318 feet (monitoring wells MW56, MW59, and MW93) and 342 to 344 feet (monitoring wells MW11, MW32, MW90, and MW91) are characterized by the following conditions:
  - The 26-foot-high mound is centered beneath the southern end of the former UST excavation (Figure 4.2).
  - The range of groundwater elevations observed in the mounded portion of the Intermediate Zone (elevations 318 to 344 feet) approaches the range of elevations in the Shallow Zone (elevations 347 to 351 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 observed between monitoring wells MW31 and MW59, MW31 and MW56, MW20 and MW92, and MW20 and MW60) signifies the apparent southern limits of the mounded conditions.
- The Intermediate Zone groundwater table flattens beyond the apparent limits of the mounded groundwater conditions; groundwater elevations ranged from 318.14 in monitoring well MW56 at the TOC/Farmasonis Property to 315.68 feet at the Drake Property, in monitoring well MW87 (Figure 4.2). The northern limits of the mounded groundwater conditions are not readily apparent relative to MW16 because groundwater gradients do not appear to flatten between monitoring wells MW16 and MW90 when compared to gradients descending on the south side of the mound.
- Deep Zone groundwater elevations ranged from 317.59 feet in monitoring well MW78 to 321.39 in monitoring well MW26 (Figure 4.3). 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 2013, an upward vertical gradient of 2.43 feet was

measured between Intermediate Zone monitoring well MW63 (elevation 317.04 feet) and Deep Zone monitoring well MW64 (elevation 319.47 feet). Similarly, a vertical upward gradient of 1.81 feet was recorded between Intermediate Zone monitoring well MW77 (elevation 315.78 feet) and Deep Zone monitoring well MW78 (elevation 317.59 feet). These conditions signify confined or semiconfined conditions within the Deep Zone and substantiate evidence of an aquitard between the two water-bearing zones, based on differential groundwater elevations.

The following wells potentially intersect both Intermediate and Shallow Zones: MW08, MW24, MW27, MW28, MW29, MW37, and MW38. SoundEarth attributes the elevated Intermediate Zone groundwater elevations in wells MW09, MW11, MW90, and MW91 to induced vacuum uplift from operation of the remediation system. During the First Quarter 2013 monitoring event, groundwater elevation data associated with those wells were consistent with the Shallow Zone groundwater elevations. Groundwater elevation data associated with wells MW08, MW09, MW24, MW27, MW29, MW37, and MW38 were disregarded in the calculation of First Quarter 2013 groundwater contours for the Shallow Zone (Figure 4.1) and Intermediate Zone (Figure 4.2). SoundEarth calculated the following hydraulic gradients for each zone:

- Hydraulic gradients in the Shallow Zone range from 0.036 feet per foot between wells MW06 and MW79 to 0.111 feet per foot between wells MW04 and MW19, toward the south–southeast, perpendicular to the groundwater contours.
- The hydraulic gradient in the Intermediate Zone outside the mounded conditions is approximately 0.012 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 from 0.00 at the crest of the mound to 0.417 feet per foot between wells MW32 and MW94, perpendicular to the groundwater contours.
- The hydraulic gradient in the Deep Zone is 0.009 feet per foot between wells MW26 and MW78, perpendicular to the groundwater contours.

Although groundwater elevation data for monitoring wells MW08, MW09, 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 (Figures 5.1 and 5.2; Tables 1, 2, and 3).

Shallow Zone

- GRPH and BTEX were not detected in groundwater samples collected from any of the Shallow Zone monitoring wells (MW02, MW03, MW04, MW05, MW06, MW12, MW19, MW34, MW54, MW61, MW62, MW67, MW68, and MW79).

Intermediate Zone Seasonally Intersecting Shallow Conditions/Upper Intermediate Zone

- GRPH and BTEX were not detected in groundwater samples collected from the monitoring wells that potentially intersect more than one water-bearing zone (MW08, MW37, and MW38).
- GRPH and BTEX were not detected in groundwater samples collected from the Upper Intermediate Zone monitoring wells MW80, MW82, MW88, and MW100.
- Concentrations of GRPH exceeded the cleanup level in monitoring wells MW24, MW25, MW27, MW28, and MW29.
- Concentrations of total xylenes exceeded the cleanup level in monitoring wells MW27 and MW29.
- Concentrations of total xylenes and/or benzene, toluene, and ethylbenzene either were not detected or were below their respective cleanup levels in monitoring wells MW24, MW25, and MW28.
- The concentration of total lead was below the cleanup level in well MW29.

Intermediate Zone

- LNAPL conditions were observed at the TOC Property in well MW90 at an elevation of 343.84 feet (0.05 feet thick).
- Concentrations of GRPH exceeded the cleanup level in monitoring wells MW11, MW18, MW20, MW31, MW32, MW33, MW45, MW48, MW57, MW69, MW84, MW90, MW91, and MW98.
- Concentrations of benzene exceeded the cleanup level in monitoring wells MW10, MW11, MW20, MW32, MW48, MW57, MW90, MW91, MW94, MW96, and MW98.
- Concentrations of toluene exceeded the cleanup level in monitoring well MW90.
- Concentrations of ethylbenzene exceeded the cleanup level in monitoring wells MW32, MW90, and MW91.
- Concentrations of total xylenes exceeded the cleanup level in monitoring wells MW11, MW20, MW32, MW45, MW48, MW90, and MW91.
- Concentrations of GRPH and BTEX either were not detected or were below the cleanup level in groundwater samples collected from monitoring wells MW09, MW13, MW15, MW16, MW22, MW23, MW35, MW36, MW46, MW47, MW49 through MW53,MW55, MW56, MW58 through MW60, MW63, MW65, MW66, MW75 through MW77, MW81, MW85 through MW87, MW89, MW92, MW93, MW95, MW97, MW99, and MW101.
- Concentrations of total lead exceeded the cleanup level in groundwater samples collected from monitoring wells MW31, MW41, MW45, and MW101. The dissolved lead concentrations in the samples collected from monitoring wells MW31 and MW45 were more than 50 percent of their

respective total concentrations, suggesting that the source of lead in groundwater at MW31 and MW45 is not attributable to sample turbidity. Groundwater recharge in well MW41 was insufficient to collect a sample for dissolved lead analysis.

- Concentrations of total lead were detected below the cleanup level in wells MW32, MW35, MW46, MW47, MW48, MW90, and MW91.
- Concentrations of the fuel additive MTBE were not detected groundwater samples collected from monitoring wells at the Drake Property MW65, MW69, MW70, MW76, MW77, MW78, MW84 through MW87, MW89, MW95 through MW99, and MW101. MTBE has been detected in soil and groundwater at the Shin/Choi Property, over 120 feet south of and downgradient from the Drake Property; therefore, other sources of MTBE are suspected between the Drake Property and the Shin/Choi Property.

The subsurface distributions of GRPH and benzene in Intermediate Zone groundwater are illustrated on Figures 5.1 and 5.2, respectively, in relation to surface features and approximate property boundaries. 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 5.1 and 5.2 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 any of the Deep Zone monitoring wells (MW26, MW30, MW39, MW40, MW64, and MW78).
- MTBE was 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 88 groundwater samples and 10 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:

- SoundEarth collected blind field duplicate sample MW999-20130220-PE from monitoring well MW09 using a peristaltic pump. SoundEarth submitted this sample for analysis by GRPH and BTEX analysis by Method NWTPH-Gx and EPA Method 8021B, respectively.
- SoundEarth collected a sample of the rinsate water poured through the bladder pump that was specified for deployment at monitoring well MW86 (01176-20130219-R1). SoundEarth submitted this sample for analysis of BTEX by EPA Method 8021B.
- 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 bladder pump, a peristaltic pump, and a bailer (sample MW09-20130220-BL, and method duplicate samples MW09-20130220-PE and MW09-20130220-BA). SoundEarth submitted all three samples for GRPH and BTEX analyses.
- MW20 using a peristaltic pump (sample MW20-20130220-PE and method duplicate sample MW20-20130220-PE2). SoundEarth submitted both samples for GRPH and BTEX analyses.
- MW28 using a peristaltic pump (sample MW20-20130220-PE and a bailer (method duplicate sample MW20-20130220-BA). SoundEarth submitted both samples for GRPH and BTEX analyses.
- MW55 using a bladder pump (sample MW55-20130220-BL and method duplicate sample MW55-20130220-BL2). SoundEarth submitted both samples for GRPH and BTEX analyses.
- MW65 using a bladder pump and a bailer (sample MW65-20130219-BL and duplicate sample MW65-20130219-BA). SoundEarth submitted both samples for GRPH and BTEX analyses. Sample MW65-20130219-BL was also analyzed for MTBE.
- MW86 using a bladder pump (sample MW86-20130219-BL and method duplicate sample MW86-20130219-BL2). SoundEarth submitted both samples for GRPH and BTEX analyses; sample MW86-20120306-BL was also analyzed for MTBE.
- MW98 using a pneumatic pump (sample MW98-20130228-PN and method duplicate sample MW98-20130228-PN2). SoundEarth submitted both samples for GRPH, BTEX, and MTBE analyses.

Analytical results for field quality assurance samples are summarized on Table 4. In the event that a QA/QC result for any chemical of concern 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:

- 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 MW20 (peristaltic pump), MW86 (bladder pump), MW98 (pneumatic pump), and for the two method duplicate samples that were collected from well MW09 using a peristaltic pump. RPDs generally were not within acceptable limits for field duplicate samples collected from monitoring well MW09 using different methods (bladder pump vs. bailer, peristaltic vs. bailer); in each case, analyte concentrations were overstated in samples collected using peristaltic pump or bailer compared to bladder pump. Each analyte was not detected in at least one of each groundwater sample collected from monitoring wells MW55 and MW65; 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 MW10, MW15, MW20, MW32, MW48, MW69, MW84, MW90, and MW91 were elevated because of sample dilution. With the exception of benzene in well MW15, each of the GRPH and

BTEX concentrations for these groundwater samples exceeded the elevated laboratory detection limits. The laboratory estimated the benzene concentration in well MW15 and qualified the data as "estimated," as reported in Tables 1 and 2. Therefore, the analytical results for the groundwater samples and field duplicates are considered usable to meet the objectives of the First Quarter 2013 monitoring event.

- The analytical results for the sample method duplicates (Table 4) indicated the following:
  - Sampling by bailer resulted in overstated GRPH and BTEX concentrations in one groundwater sample (method duplicate sample MW09-20130220-BA) and understated concentrations in another sample (method duplicate sample MW28-20130220-BA) when compared to low-flow methods (samples MW09-20130220-BL and MW28-20130220-PE, and method duplicate sample MW09-20130220-PE). The effects of overstatement (RPD values of 74 to 96 percent for data associated with well MW09) were greater than the effects of understatement (RPD values of 3 to 51 percent for data associated with well MW28).
  - In cases where analyte concentrations are at or below the laboratory reporting limits, the effects of sampling by bailer (method duplicate sample MW65-20130219-BA) were inconclusive compared to low-flow methods (sample MW65-20130219-BL).
  - Sampling by peristaltic pump (method duplicate sample MW09-20130220-PE and field duplicate sample MW999-20130220-PE) resulted in overstated GRPH and BTEX concentrations in groundwater when compared to sampling by bladder pump (sample MW09-20130220-BL).

- Low-flow criteria for turbidity were not achieved prior to collecting groundwater samples from monitoring wells MW09, MW25, and MW89, even though the wells were purged at minimum pump flow rates. Turbidity at the time of sample collection ranged from 11.4 to 348 nephelometric turbidity units, and final turbidity readings varied more than plus or minus 10 percent in each case. GRPH and BTEX were not detected in the groundwater sample collected from monitoring well MW89, despite relatively high sample turbidity. Concentrations of GRPH and/or BTEX in the groundwater samples collected from MW09 and MW25 may be overstated or exaggerated due to elevated/unstable turbidity.

- Monitoring wells MW35, MW45, MW46, MW50, and MW53 ran dry during purging upon or prior to removal of one to two well-volumes of groundwater. SoundEarth allowed the wells to recharge and collected samples the same day. 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 (MW45), concentrations of GRPH and BTEX may be understated due to excessive volatilization and/or overstated due to elevated turbidity.
  - In wells where GRPH and BTEX are not detected (MW35, MW46, MW50, and MW53), 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 1,2-

dichloroethane (ethylene dichloride) 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 2013 groundwater monitoring event:

- The overall direction 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–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, as well as 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, which is located more than 180 feet 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 5.1 and 5.2 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 historical groundwater analytical results for 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. Furthermore, in First Quarter 2013, concentrations of benzene were detected for the first time in western remediation wells MW92, MW94, and MW96, suggesting that the radius of influence of the remediation system may intersect a previously uncharacterized source of benzene beneath the ROW.

- The extent of petroleum hydrocarbons in groundwater south of the Drake Property remains the focus of an ongoing 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. In First Quarter 2013, concentrations of GRPH exceeded the cleanup level in well MW84 (Figure 5.1). Concentrations of benzene were detected below their respective cleanup levels in wells MW84, MW85, and MW86 (Figure 5.2). Further investigation of Intermediate Zone groundwater south and downgradient from monitoring wells MW84, MW85, and MW86 is pending.
- SoundEarth evaluated of the analytical results for method duplicate samples collected using various combinations of bladder pump, peristaltic pump, pneumatic pump, and bailer (Table 4). Concentrations of analytes tend to be overstated in samples collected by peristaltic pump and bailer, compared to the bladder pump, which is EPA's preferred sampling device (EPA 1992). SoundEarth will continue to collect groundwater samples using bailers and peristaltic pumps for screening and performance monitoring purposes, and will collect groundwater samples using bladder pumps for compliance monitoring and plume boundary documentation purposes. In addition to the above-listed sampling devices, SoundEarth will continue to use pneumatic pumps to collect performance samples from remediation wells. SoundEarth will also continue to collect method duplicate samples for data qualification purposes.

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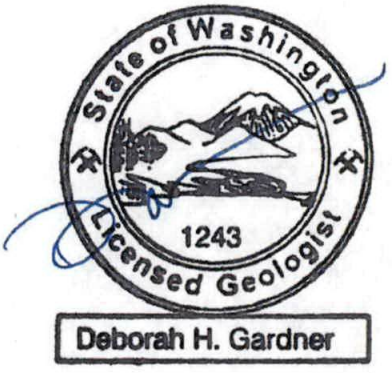
WORK PLANNED

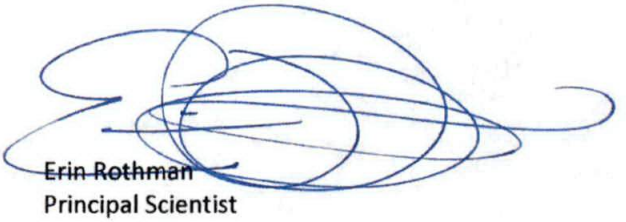
In Second Quarter 2013, SoundEarth will conduct a limited groundwater monitoring event at the Interim Remedial Action Project Area in accordance with the IRAWP. The results will be presented in a groundwater monitoring summary report.

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

Erin Rothman
Principal Scientist

Attachments:
Figure 1, Physiographic Setting
Figure 2, Property Location Map
Figure 3, Exploration Location Map
Figure 4.1, Groundwater Contour Map, Shallow Zone, February 18, 2013
Figure 4.2, Groundwater Contour Map, Intermediate Zone, February 18, 2013
Figure 4.3, Groundwater Contour Map, Deep Zone, February 18, 2013
Figure 5.1, Concentrations of GRPH in Intermediate Zone Groundwater, February 2013
Figure 5.2, Concentrations of Benzene in Intermediate Zone Groundwater, February 2013
Table 1, Summary of First Quarter 2013 Groundwater Analytical Results Sorted by Water-Bearing Zone
Table 2, Summary of Historical Groundwater Analytical Results, June 1992 through February 2013
Table 3, Summary of Groundwater Analytical Results, Eight Common Fuel Additives
Table 4, Summary of Quality Assurance/Quality Control Analytical Results, First Quarter 2013
A, Preparation of GRPH and Benzene Distribution Figures

B, Laboratory Analytical Reports
Friedman & Bruya, Inc. #302333
Friedman & Bruya, Inc. #302334
Friedman & Bruya, Inc. #302335
Friedman & Bruya, Inc. #302336
Friedman & Bruya, Inc. #302400
Friedman & Bruya, Inc. #303012

cc: Ms. Chris Smith, Washington State Department of Ecology, Northwest Region
Ms. Louise Bardy, Washington State Department of Ecology, Northwest Region

DHG/RKB:mdb/amr

FIGURES

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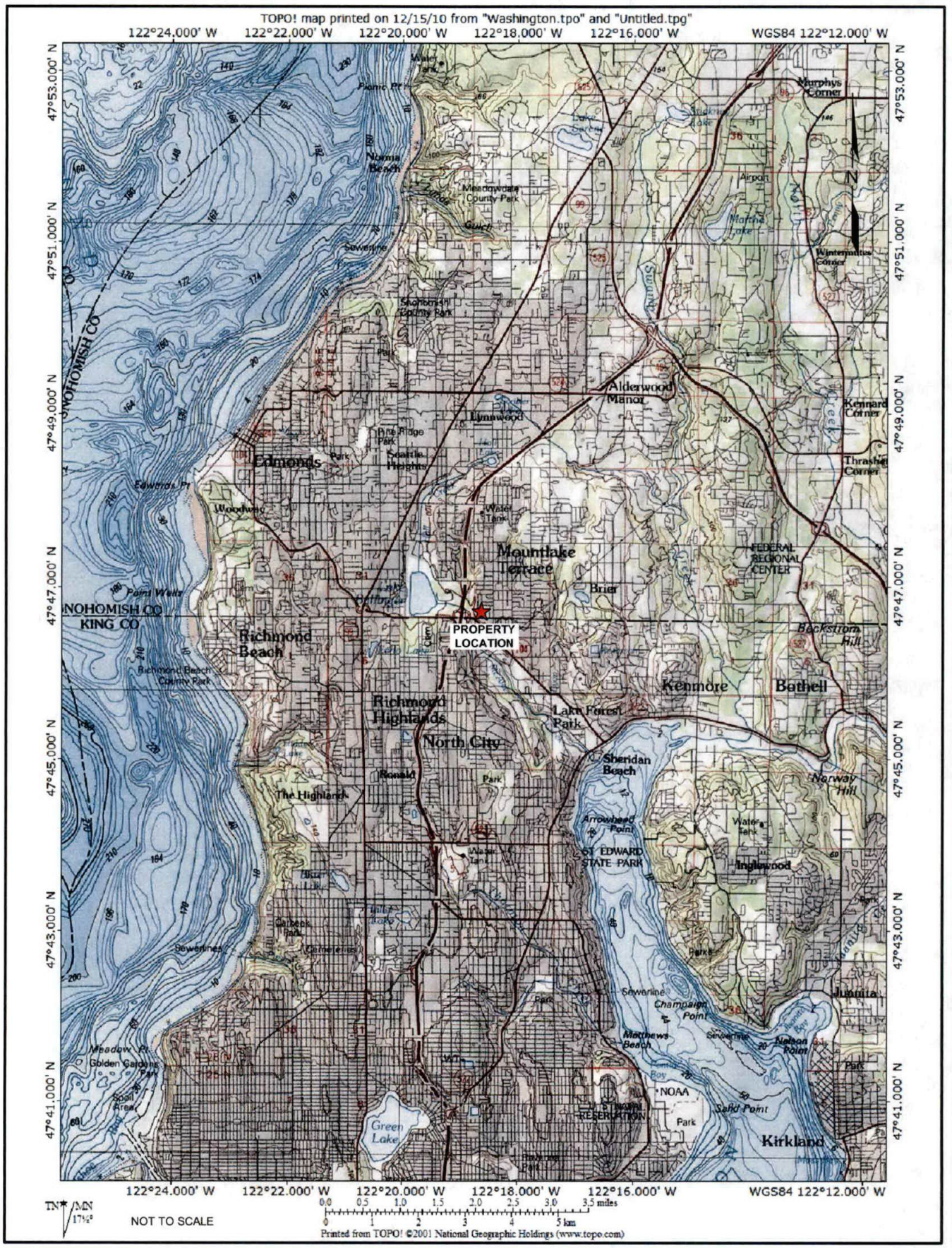

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FIGURE 1
PHYSIOGRAPHIC SETTING

6/24/2013

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N

MOBILE HOMES

RAKNES CO.
FORMER AUTO REPAIR
24121 56TH AVE. W.

242ND STREET SOUTHWEST

TOC HOLDINGS CO.
FAC. NO. 01-176
FORMER TIME OIL CO.
24205 56TH AVE. W.

TOC/FARMASONIS PROPERTY
(ROMIO'S PIZZA & PASTA)
24225 56TH AVE. W.

DRAKE PROPERTY
(GETAWAY TAVERN)
24309 56TH AVE. W.

HERMAN PROPERTY
FORMER CREST OIL GAS STATION
SHELL/ARCO/UNION 76
24311 56TH AVE. W.

MACPHERSON PROPERTY
VACANT LAND
(BUILDINGS RAZED IN 2008)
5525 244TH ST. S.W.

SHIN/CHOI PROPERTY
EZ CORNER MART
FORMER SOUTHLAND 7-11
24325 56TH AVE. W.

244TH STREET SOUTHWEST (SNOHOMISH COUNTY)
NORTHEAST 205TH STREET (KING COUNTY)

ASKAR MINI-MART
BP-BRANDED RETAIL GAS STATION
1901 NE 205TH ST

56TH AVENUE WEST

19TH AVENUE NORTHEAST

ROE PROPERTY
FORMER AMERICAN OIL/
AMOCO/MOBIL OIL
5601 244TH ST. SW.

R E S I D E N T I A L

241STREET SOUTHWEST

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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

6/24/2013

P:\0440 TOC Holdings Co\01-176 Mountlake Terrace\Technical\CAD\2013Q1\GWR\01-176_2013Q1_F3_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
- LIGHT POST OR LIGHTED SIGN
- EDGE OF EASEMENT
- PROPERTY BOUNDARY
- E — POWER TRANSMISSION
- FO — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM INFILTRATION PIPE
- SD — STORM SEWER
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE (UNLESS NOTED OTHERWISE)
- FORMER INFILTRATION PIT (1975)

N

242ND STREET SOUTHWEST

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC PROPERTY TREATMENT SYSTEM COMPOUND

CONCRETE CURB (TYP.)

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

PAVED PARKING

LOCATION OF FORMER UST EXCAVATION (1991)

WATER METER

PLANTER

SIDEWALK (TYP)

MOBILE HOMES (RESIDENTIAL)

GRASS FIELD

EDGE OF PAVEMENT

TOC /FARMASONIS AND DARKE PROPERTIES TREATMENT SYSTEM COMPOUND

TOC/FARMASONIS PROPERTY

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

PARKING

PLANTER

POWER EASEMENT

DRAKE PROPERTY

GRAVEL PARKING

GETAWAY TAVERN
24309 56TH AVENUE WEST

PAVED PARKING

PROPERTY BOUNDARY PRIOR TO 1985 (SHORT PLAT 106)

PROPERTY BOUNDARY SINCE 1985 (SHORT PLAT 106)

UST (REISDORFF 1985)

MACPHERSON PROPERTY
VACANT LOT
25525-244TH STREET SW

USTS (REISDORFF, 1985)

UST ABANDONED IN PLACE

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

FORMER PUMP ISLANDS

FORMER UST EXCAVATION (K&S, 2001)

FORMER PUMP ISLAND

LIGHT POST

USED OIL UST

AND FIRE LANE

PRIVATE EASEMENT

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

56TH AVENUE WEST

STORM MANHOLE

SIDEWALK (TYP)

R E S I D E N T I A L

REFERENCES:

AXIS SURVEY & MAPPING, 2012
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CITY OF MOUNTLAKE TERRACE, 2005
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TIME OIL COMPANY (SIC), 1975

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REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 3
EXPLORATION LOCATION MAP

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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
- LIGHT POST OR LIGHTED SIGN
- EDGE OF EASEMENT
- 325.00' — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
- (317.66') — GROUNDWATER ELEVATION (FEET ABOVE MSL)
- GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL 5.00 FEET (——), 1.00 FEET (– – –)
- PROPERTY BOUNDARY
- E — POWER TRANSMISSION
- FO — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM INFILTRATION PIPE
- SD — STORM SEWER
- SS — SANITARY SEWER
- W — WATER
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- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE (UNLESS NOTED OTHERWISE)
- FORMER INFILTRATION PIT (1975)

N

242ND STREET SOUTHWEST

MOBILE HOMES (RESIDENTIAL)

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC/FARMASONIS PROPERTY

TOC PROPERTY TREATMENT SYSTEM COMPOUND

CONCRETE CURB (TYP.)

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 5/14/2008)

LOCATION OF FORMER UST EXCAVATION (1991)

PAVED PARKING

PLANTER

SIDEWALK (TYP)

STORM MANHOLE

TOC/FARMASONIS AND DARKE PROPERTIES TREATMENT SYSTEM COMPOUND

GRASS FIELD

EDGE OF PAVEMENT

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

GETAWAY TAVERN
24309 56TH AVENUE WEST

DRAKE PROPERTY

POWER EASEMENT

PARKING

GRAVEL PARKING

PROPERTY BOUNDARY PRIOR TO 1985 (SHORT PLAT 106)

PROPERTY BOUNDARY SINCE 1985 (SHORT PLAT 106)

UST (REISDORFF 1985)

USTS (REISDORFF, 1985)

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

UST ABANDONED IN PLACE

USED OIL UST

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

FORMER PUMP ISLANDS

FORMER UST EXCAVATION (K&S, 2001)

FORMER PUMP ISLAND

LIGHT POST

PRIVATE EASEMENT AND FIRE LANE

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

56TH AVENUE WEST

R E S I D E N T I A L

REFERENCES:

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CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 4.2
GROUNDWATER CONTOUR MAP
INTERMEDIATE ZONE
FEBRUARY 18, 2013

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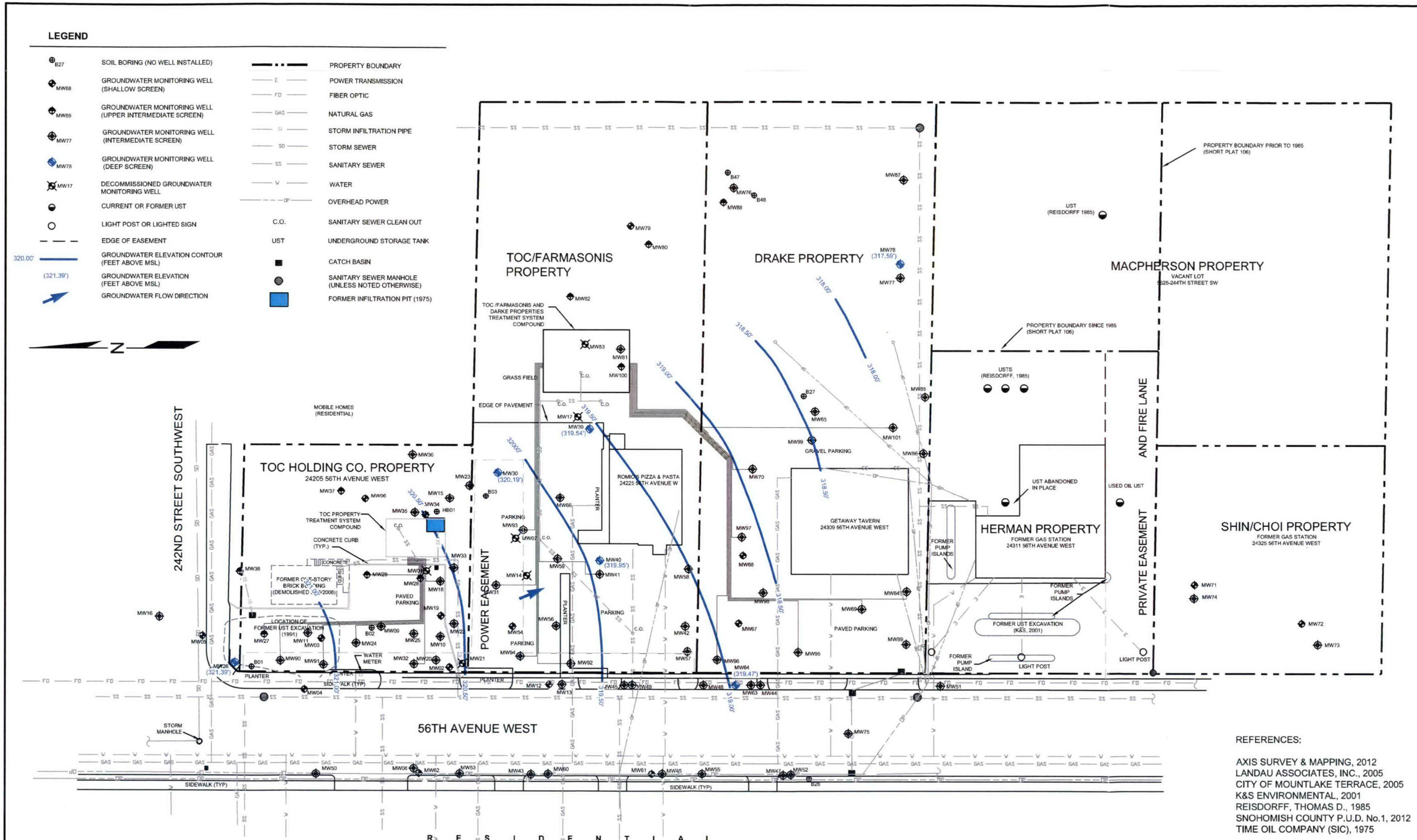
LEGEND
SOIL BORING (NO WELL INSTALLED)
GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
GROUNDWATER MONITORING WELL (DEEP SCREEN)
DECOMMISSIONED GROUNDWATER MONITORING WELL
CURRENT OR FORMER UST
LIGHT POST OR LIGHTED SIGN
EDGE OF EASEMENT
GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
GROUNDWATER ELEVATION (FEET ABOVE MSL)
GROUNDWATER FLOW DIRECTION
PROPERTY BOUNDARY
POWER TRANSMISSION
FIBER OPTIC
NATURAL GAS
STORM INFILTRATION PIPE
STORM SEWER
SANITARY SEWER
WATER
OVERHEAD POWER
SANITARY SEWER CLEAN OUT
UNDERGROUND STORAGE TANK
CATCH BASIN
SANITARY SEWER MANHOLE (UNLESS NOTED OTHERWISE)
FORMER INFILTRATION PIT (1975)
TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST
TOC/FARMASONIS PROPERTY
DRAKE PROPERTY
MACPHERSON PROPERTY
HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST
SHIN/CHOI PROPERTY
FORMER GAS STATION
24325 56TH AVENUE WEST
GETAWAY TAVERN
24309 56TH AVENUE WEST
ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W
242ND STREET SOUTHWEST
56TH AVENUE WEST
POWER EASEMENT
PRIVATE EASEMENT AND FIRE LANE
R E S I D E N T I A L
REFERENCES:
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CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
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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 4.3
GROUNDWATER CONTOUR MAP
DEEP ZONE
FEBRUARY 18, 2013

6/24/2013
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6/24/2013

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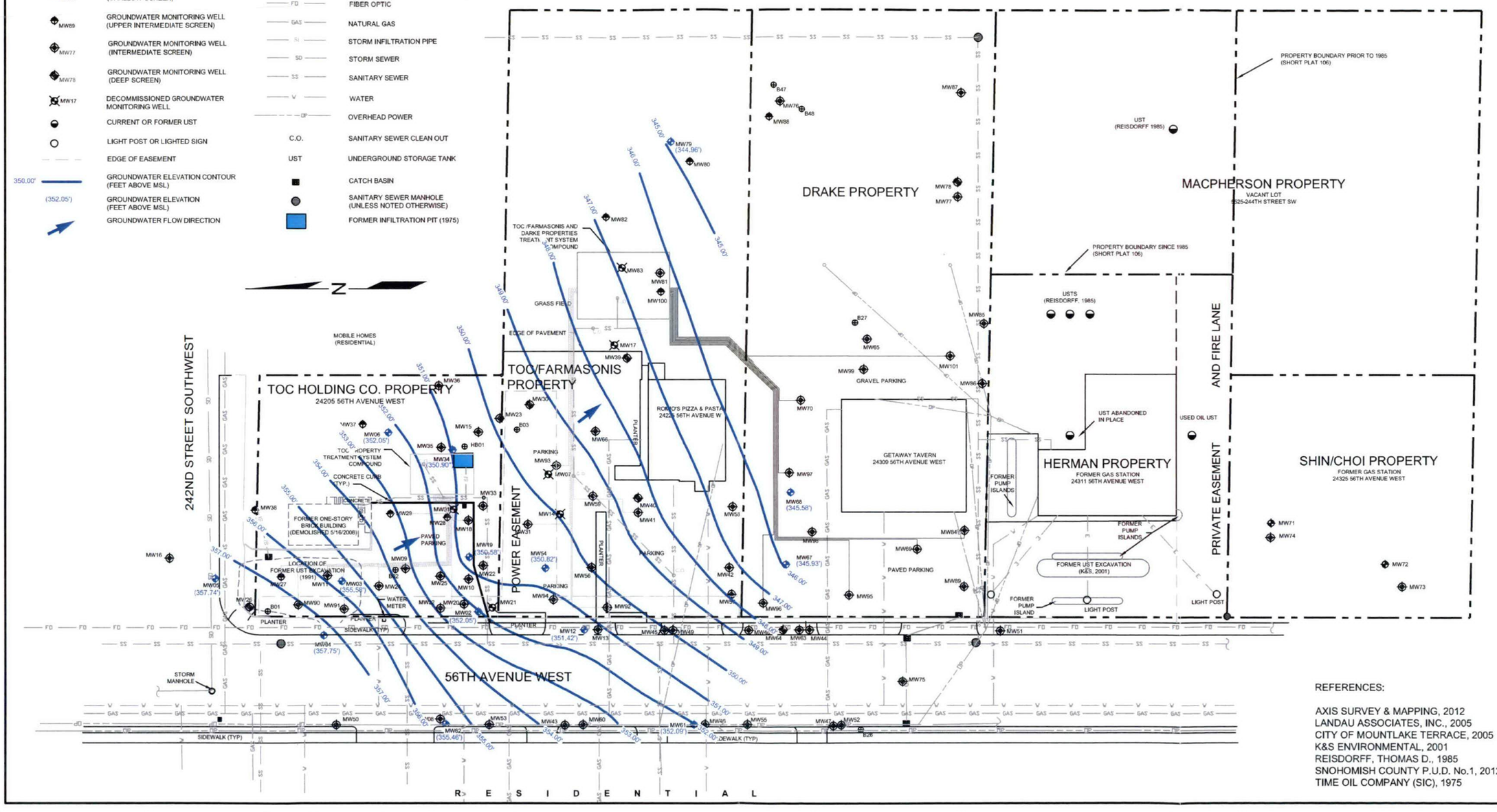
LEGEND

- 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
- LIGHT POST OR LIGHTED SIGN
- EDGE OF EASEMENT
- 350.00' — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
- (352.05') — GROUNDWATER ELEVATION (FEET ABOVE MSL)
- GROUNDWATER FLOW DIRECTION
- PROPERTY BOUNDARY
- E — POWER TRANSMISSION
- FO — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM INFILTRATION PIPE
- SD — STORM SEWER
- SS — SANITARY SEWER
- W — WATER
- OP — OVERHEAD POWER
- C.O. — SANITARY SEWER CLEAN OUT
- UST — UNDERGROUND STORAGE TANK
- CATCH BASIN
- SANITARY SEWER MANHOLE (UNLESS NOTED OTHERWISE)
- FORMER INFILTRATION PIT (1975)



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CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
SNOHOMISH COUNTY P.U.D. No.1, 2012
TIME OIL COMPANY (SIC), 1975

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DATE: 06/24/2013
DRAWN BY: JQC
CHECKED BY: DHG
CAD FILE: 01-176_2013Q1_F4.1

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

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 4.1
GROUNDWATER CONTOUR MAP
SHALLOW ZONE
FEBRUARY 18, 2013

SOUNDEARTHINC.COM

6/25/2013

P:\0440 TOC Holdings Co\01-176 Mountlake Terrace\Technical\CAD\2013Q1\GWR\01-176_2013Q1_F5.1_F.dwg

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)
- MW76 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- CURRENT OR FORMER UST
- GROUNDWATER NOT ENCOUNTERED IN FEBRUARY (WELL DRY)

GRPH (µg/L)

- 20,000 - 50,000
- 2,000 - 20,000
- 800 - 2,000
- 400 - 800
- 100 - 400
- 0 - 100

- PROPERTY BOUNDARY
- FO — FIBER OPTIC
- GAS — NATURAL GAS
- SI — STORM SEWER INFILTRATION PIPE
- SD — STORM SEWER DRAIN
- SS — SANITARY SEWER
- W — WATER
- 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 BENZENE IN GROUNDWATER BASED ON FEBRUARY 2013 DATA FOR INTERMEDIATE ZONE WELLS (THROUGH MW101).

1. IN FEBRUARY 2013, WELLS MW41 THROUGH MW44 WERE NOMINALLY DRY.
2. WELLS MW08, MW09, MW24, MW27, MW29, MW37, AND MW38 WERE REPRESENTATIVE OF SHALLOW ZONE CONDITIONS DUE TO SEASONAL VARIATION AND/OR REMEDIATION ACTIVITIES. EXCEPT FOR MW27, MW29, MW37, AND MW38, WHICH ARE NECESSARY FOR LATERAL DELINEATION NORTHEAST OF THE FORMER USTs, DATA ASSOCIATED WITH THESE WELLS ARE NOT INCLUDED IN THIS ILLUSTRATION.
3. DATA ASSOCIATED WITH WELL MW49 WERE DISREGARDED IN FAVOR OF WELL MW45; ALTHOUGH GROUNDWATER ELEVATIONS ARE SIMILAR IN THE TWO WELLS, THE WELL SCREEN INTERVAL FOR MW49 DOES NOT APPEAR TO INTERSECT THE ZONE OF CONTAMINANT TRANSPORT.

N

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

TOC/FARMASONIS PROPERTY

ROMIO'S PIZZA & PASTA
24225 56TH AVENUE W

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

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

SIDEWALK (TYP)

CONCRETE CURB (TYP.)

STORM DRAIN (TYP.)

MANHOLE (LABELED "DRAIN")

FORMER ONE-STORY BRICK BUILDING (DEMOLISHED 9/16/2005)

LOCATION OF FORMER UST EXCAVATION (1991)

WATER METER

EDGE OF PAVEMENT

USTS (REISDORFF, 1985)

SUSPECTED UST (K&S, 2001)

USED OIL UST (K&S, 2001)

FORMER UST EXCAVATION (K&S, 2001)

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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CHECKED BY: DHG
CAD FILE: 01-176_2013Q1_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 5.1
CONCENTRATIONS OF GRPH IN INTERMEDIATE ZONE GROUNDWATER
FEBRUARY 2013

WWW.SOUNDEARTHINC.COM

6/25/2013

P:\0440 TOC Holdings Co\01-176 Mountlake Terrace\Technical\CAD\2013\Q1\GWR\01-176_2013Q1_F5.2_F.dwg

LEGEND

- SOIL BORING (NO WELL INSTALLED) — B27
- GROUNDWATER MONITORING WELL (SHALLOW SCREEN) — MW88
- 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)

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

- 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
- LNAPL — LIGHT NON-AQUEOUS PHASE LIQUIDS IN THE FORM OF A SHEEN OR THICKER PRODUCT ON THE GROUNDWATER TABLE
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- 24225 — STREET NUMBER
- µg/L — MICROGRAMS PER LITER
- CATCH BASIN
- MANHOLE
- FORMER INFILTRATION PIT (1975)

N

DRAKE PROPERTY

MACPHERSON PROPERTY
VACANT LOT
5525-244TH STREET SW

USTS (REISDORFF, 1985)

GRASS FIELD

MOBILE HOMES (RESIDENTIAL)

EDGE OF PAVEMENT

TOC/FARMASONIS PROPERTY

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

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242ND STREET SOUTHWEST

GETAWAY TAVERN
24309 56TH AVENUE WEST

GRAVEL PARKING

SUSPECTED UST (K&S, 2001)

USED OIL UST (K&S, 2001)

HERMAN PROPERTY
FORMER GAS STATION
24311 56TH AVENUE WEST

SHIN/CHOI PROPERTY
FORMER GAS STATION
24326 56TH AVENUE WEST

FORMER PUMP ISLANDS

FORMER UST EXCAVATION (K&S, 2001)

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

LOCATION OF FORMER UST EXCAVATION (1991)

CONCRETE CURB (TYP.)

STORM DRAIN (TYP.)

WATER METER

PAVED PARKING

PARKING

PLANTER

SIDEWALK (TYP)

56TH AVENUE WEST

MANHOLE (LABELED "DRAIN")

R E S I D E N T I A L

NOTES:

THIS FIGURE PROVIDES AN ALGORITHMIC ILLUSTRATION OF THE DISTRIBUTION OF BENZENE IN GROUNDWATER BASED ON FEBRUARY 2013 DATA FOR INTERMEDIATE ZONE WELLS (THROUGH MW101).

1. IN FEBRUARY 2013, WELLS MW41 THROUGH MW44 WERE NOMINALLY DRY.
2. WELLS MW08, MW09, MW24, MW27, MW29, MW37, AND MW38 WERE REPRESENTATIVE OF SHALLOW ZONE CONDITIONS DUE TO SEASONAL VARIATION AND/OR REMEDIATION ACTIVITIES. EXCEPT FOR MW27 AND MW29, WHICH ARE NECESSARY FOR LATERAL DELINEATION NORTHEAST OF THE FORMER USTs, DATA ASSOCIATED WITH THESE WELLS ARE NOT INCLUDED IN THIS ILLUSTRATION.
3. DATA ASSOCIATED WITH WELL MW49 WERE DISREGARDED IN FAVOR OF WELL MW45; ALTHOUGH GROUNDWATER ELEVATIONS ARE SIMILAR IN THE TWO WELLS, THE WELL SCREEN INTERVAL FOR MW49 DOES NOT APPEAR TO INTERSECT THE ZONE OF CONTAMINANT TRANSPORT.

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K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
TIME OIL COMPANY (SIC), 1975

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DATE: 06/24/2013
DRAWN BY: JQC
CHECKED BY: DHG
CAD FILE: 01-176_2013Q1_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 5.2

CONCENTRATIONS OF BENZENE IN INTERMEDIATE ZONE GROUNDWATER
FEBRUARY 2013

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TABLES

SoundEarth Strategies

Table 1
Summary of First Quarter 2013 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]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
SHALLOW WATER-BEARING ZONE (0 TO 20 FEET BGS)													
MW02	TOC	02/20/13	Peristaltic Pump	352.05	<100	<1	<1	<1	<3	--	--	--	--
MW03	TOC	02/20/13	Peristaltic Pump	355.58	<100	<1	<1	<1	<3	--	--	--	--
MW04	ROW (56th)	02/20/13	Peristaltic Pump	357.75	<100	<1	<1	<1	<3	--	--	--	--
MW05	ROW (242nd)	02/21/13	Peristaltic Pump	357.74	<100	<1	<1	<1	<3	--	--	--	--
MW06	TOC	02/20/13	Peristaltic Pump	352.05	<100	<1	<1	<1	<3	--	--	--	--
MW12	ROW (56th)	02/19/13	Peristaltic Pump	351.42	<100	<1	<1	<1	<3	--	--	--	--
MW19	TOC	02/21/13	Peristaltic Pump	350.58	<100	<1	<1	<1	<3	--	--	--	--
MW34	TOC	02/21/13	Peristaltic Pump	350.90	<100	<1	<1	<1	<3	--	--	--	--
MW54	TOC/Farmasonis	02/19/13	Peristaltic Pump	350.82	<100	<1	<1	<1	<3	--	--	--	--
MW61	ROW (56th)	02/21/13	Peristaltic Pump	352.09	<100	<1	<1	<1	<3	--	--	--	--
MW62	ROW (56th)	02/21/13	Peristaltic Pump	355.46	<100	<1	<1	<1	<3	--	--	--	--
MW67	Drake	02/19/13	Peristaltic Pump	345.93	<100	<1	<1	<1	<3	--	--	--	--
MW68	Drake	02/19/13	Peristaltic Pump	345.58	<100	<1	<1	<1	<3	--	--	--	--
MW79	TOC/Farmasonis	02/19/13	Peristaltic Pump	344.96	<100	<1	<1	<1	<3	--	--	--	--
INTERMEDIATE ZONE WELLS THAT INTERSECT SHALLOW ZONE CONDITIONS													
MW08	ROW (56th)	02/21/13	Peristaltic Pump	354.54	<100	<1	<1	<1	<3	--	--	--	--
MW24 (RW)	TOC	02/28/13	Pneumatic Pump	353.27	1,000	<1	1.7	<1	40	--	--	--	--
MW25	TOC	02/21/13	Peristaltic Pump	335.96	1,900	1.6	25	31	240	--	--	--	--
MW27 (RW)	TOC	02/28/13	Pneumatic Pump	355.36	5,500	<1	6.9	160	1,300	--	--	--	--
MW28	TOC	02/20/13	Bailer	334.62	3,600	<1	1.8	86	420	--	--	--	--
MW29 (RW)	TOC	02/28/13	Pneumatic Pump	352.05	8,500	<1	50	<1	1,400	--	--	8.79	3.19
MW37	TOC	02/21/13	Peristaltic Pump	347.38	<100	<1	<1	<1	<3	--	--	--	--
MW38	TOC	02/21/13	Peristaltic Pump	353.19	<100	<1	<1	<1	<3	--	--	--	--
UPPER INTERMEDIATE WATER-BEARING ZONE (20 TO 30 FEET BGS)													
MW80	TOC/Farmasonis	02/19/13	Peristaltic Pump	344.01	<100	<1	<1	<1	<3	--	--	--	--
MW82	TOC/Farmasonis	02/19/13	Peristaltic Pump	327.78	<100	<1	<1	<1	<3	--	--	--	--
MW88	Drake	02/19/13	Peristaltic Pump	341.93	<100	<1	<1	<1	<3	--	--	--	--
MW100	TOC/Farmasonis	02/19/13	Peristaltic Pump	344.36	<100	<1	<1	<1	<3	--	--	--	--
MTCA Method A Cleanup Level[6]					**1,000/800[7]**	**5**	**1,000**	**700**	**1,000**	**20**	**5**	**15**	**NE**

SoundEarth Strategies

Table 1
Summary of First Quarter 2013 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]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
INTERMEDIATE WATER-BEARING ZONE (20 TO 60 FEET BGS)													
MW09	TOC	02/20/13	Bladder Pump	346.43	270	<1	<1	5.8	59	--	--	--	--
MW10	TOC	02/21/13	Peristaltic Pump	334.51	620	5.5	14	8.7	110	--	--	--	--
MW11 (RW)	TOC	02/28/13	Pneumatic Pump	343.67	7,800	14	85	92	4,200	--	--	--	--
MW13	ROW (56th)	02/20/13	Bailer	318.50	<100	<1	<1	<1	<3	--	--	--	--
MW15 (RW)	TOC	02/28/13	Pneumatic Pump	325.44	790	3.6 J	<5	<5	44	--	--	--	--
MW16	ROW (242nd)	02/21/13	Bailer	322.59	<100	<1	<1	<1	<3	--	--	--	--
MW18 (RW)	TOC	02/28/13	Pneumatic Pump	329.95	4,200	3.3	47	73	1,000	--	--	--	--
MW20	TOC	02/20/13	Peristaltic Pump	335.12	17,000	140	760	620	3,400	--	--	--	--
MW22	TOC	02/21/13	Peristaltic Pump	334.38	<100	<1	<1	<1	<3	--	--	--	--
MW23	TOC	02/20/13	Bailer	320.50	<100	<1	<1	<1	<3	--	--	--	--
MW31 (RW)	TOC/Farmasonis	02/28/13	Pneumatic Pump	327.85	2,000	4.6	<1	19	45	--	--	16.1	9.28
MW32 (RW)	TOC	02/28/13	Pneumatic Pump	342.80	28,000	23	210	1,000	7,000	--	--	9.37	3.94
MW33	TOC	02/20/13	Bailer	329.16	2,700	2.0	1.2	9.3	120	--	--	--	--
MW35	TOC	02/20/13	Bailer	320.62	<100	<1	<1	<1	<3	--	--	2.45	<1
MW36	TOC	02/20/13	Bailer	318.90	<100	<1	<1	<1	<3	--	--	--	--
MW41 (RW)	TOC/Farmasonis	02/28/13	Pneumatic Pump	320.67	--	--	--	--	--	--	--	50.0	--
MW42	TOC/Farmasonis	02/18/13	Not Sampled	316.91	--	--	--	--	--	--	--	--	--
MW43	ROW (56th)	02/18/13	Not Sampled	324.99	--	--	--	--	--	--	--	--	--
MW44	ROW (56th)	02/18/13	Not Sampled	316.80	--	--	--	--	--	--	--	--	--
MW45	ROW (56th)	02/20/13	Bailer	319.92	19,000	<1	13	180	2,500	--	--	131	73.4
MW46	ROW (56th)	02/20/13	Bailer	317.73	<100	<1	<1	<1	<3	--	--	13.7	6.79
MW47	ROW (56th)	02/20/13	Bailer	316.98	<100	<1	<1	<1	<3	--	--	1.50	<1
MW48	ROW (56th)	02/20/13	Bailer	317.22	19,000	170	100	620	4,500	--	--	5.58	4.07
MW49	ROW (56th)	02/19/13	Bladder Pump	318.40	<100	<1	<1	<1	<3	--	--	--	--
MW50	ROW (56th)	02/20/13	Bailer	332.72	<100	<1	<1	<1	<3	--	--	--	--
MW51	ROW (56th)	02/20/13	Bailer	315.79	<100	<1	<1	<1	<3	--	--	--	--
MW52	ROW (56th)	02/20/13	Bailer	316.88	<100	<1	<1	<1	<3	--	--	--	--
MW53	ROW (56th)	02/20/13	Bailer	321.12	<100	<1	<1	<1	<3	--	--	--	--
MW55	ROW (56th)	02/20/13	Bladder Pump	317.78	<100	<1	<1	<1	<3	--	--	--	--
MW56	TOC/Farmasonis	02/19/13	Bladder Pump	318.14	<100	<1	<1	<1	<3	--	--	--	--
MW57 (RW)	TOC/Farmasonis	02/28/13	Pneumatic Pump	317.02	3,100	25	10	<1	710	--	--	--	--
MTCA Method A Cleanup Level[6]					**1,000/800[7]**	**5**	**1,000**	**700**	**1,000**	**20**	**5**	**15**	**NE**

SoundEarth Strategies

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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]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
INTERMEDIATE WATER-BEARING ZONE (20 TO 60 FEET BGS), CONTINUED													
MW58	TOC/Farmasonis	02/21/13	Bladder Pump	316.97	<100	<1	<1	<1	<3	--	--	--	--
MW59	TOC/Farmasonis	02/19/13	Bladder Pump	318.09	<100	<1	<1	<1	<3	--	--	--	--
MW60	ROW (56th)	02/20/13	Bladder Pump	318.97	<100	<1	<1	<1	<3	--	--	--	--
MW63	ROW (56th)	02/19/13	Bladder Pump	317.04	<100	<1	<1	<1	<3	--	--	--	--
MW65	Drake	02/19/13	Bladder Pump	316.17	<100	0.61	<1	<1	<3	<1	--	--	--
MW66	TOC/Farmasonis	02/20/13	Bailer	318.10	<100	<1	<1	<1	<3	--	--	--	--
MW69 (RW)	Drake	02/28/13	Pneumatic Pump	316.24	7,600	1.5	1.8	130	964	<1	--	--	--
MW70 (RW)	Drake	02/28/13	Pneumatic Pump	316.45	<100	<0.35	<1	<1	<3	<1	--	--	--
MW75	ROW (56th)	02/19/13	Bladder Pump	322.56	<100	<1	<1	<1	<3	--	--	--	--
MW76	Drake	02/19/13	Bailer	316.63	<100	<0.35	<1	<1	<3	<1	--	--	--
MW77	Drake	02/19/13	Bailer	315.78	<100	<0.35	<1	<1	<3	<1	--	--	--
MW81	TOC/Farmasonis	02/19/13	Bailer	317.81	<100	<1	<1	<1	<3	--	--	--	--
MW84 (RW)	Drake	02/28/13	Pneumatic Pump	315.77	4,700	1.9	2.0	150	551	<1	--	--	--
MW85	Drake	02/19/13	Bladder Pump	315.90	<100	0.46	<1	<1	<3	<1	--	--	--
MW86	Drake	02/19/13	Bladder Pump	315.83	<100	1.1	<1	<1	<3	<1	--	--	--
MW87	Drake	02/19/13	Bailer	315.68	<100	<0.35	<1	<1	<3	<1	--	--	--
MW89	Drake	02/19/13	Bladder Pump	316.20	<100	<0.35	<1	<1	<3	<1	--	--	--
MW90 (RW)	TOC	02/28/13	Pneumatic Pump	343.84	30,000	27	1,900	770	5,500	--	--	1.19	<1
MW91 (RW)	TOC	02/28/13	Pneumatic Pump	343.15	22,000	41	380	750	5,400	--	--	3.01	<1
MW92 (RW)	TOC/Farmasonis	02/28/13	Pneumatic Pump	318.15	<100	1.1	<1	<1	<3	--	--	--	--
MW93 (RW)	TOC/Farmasonis	02/28/13	Pneumatic Pump	318.29	<100	<1	<1	<1	<3	--	--	--	--
MW94 (RW)	TOC/Farmasonis	02/28/13	Pneumatic Pump	319.85	<100	8.9	1.1	<1	<3	--	--	--	--
MW95 (RW)	Drake	02/28/13	Pneumatic Pump	316.81	<100	<0.35	<1	<1	<3	<1	--	--	--
MW96 (RW)	Drake	02/28/13	Pneumatic Pump	318.47	240	6.0	<1	<1	54	<1	--	--	--
MW97 (RW)	Drake	02/28/13	Pneumatic Pump	316.69	110	1.7	<1	<1	<3	<1	--	--	--
MW98 (RW)	Drake	02/28/13	Pneumatic Pump	316.72	810	7.6	1.5	13	45	<1	--	--	--
MW99 (RW)	Drake	02/28/13	Pneumatic Pump	316.17	<100	<0.35	<1	<1	<3	<1	--	--	--
MW101 (RW)	Drake	02/28/13	Pneumatic Pump	316.01	<100	<0.35	<1	<1	<3	<1	--	20.3	1.45
MTCA Method A Cleanup Level[6]					**1,000/800[7]**	**5**	**1,000**	**700**	**1,000**	**20**	**5**	**15**	**NE**

SoundEarth Strategies

Table 1
Summary of First Quarter 2013 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]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
DEEP WATER-BEARING ZONE (OVER 60 FEET BGS)													
MW26	TOC	02/20/13	Bailer	321.39	<100	<1	<1	<1	<3	--	--	--	--
MW30	TOC/Farmasonis	02/19/13	Bailer	320.19	<100	<1	<1	<1	<3	--	--	--	--
MW39	TOC/Farmasonis	02/20/13	Bailer	319.54	<100	<1	<1	<1	<3	--	--	--	--
MW40	TOC/Farmasonis	02/20/13	Bailer	319.95	<100	<1	<1	<1	<3	--	--	--	--
MW64	ROW (56th)	02/21/13	Bailer	319.47	<100	<1	<1	<1	<3	--	--	--	--
MW78	Drake	02/19/13	Bailer	317.59	<100	<0.35	<1	<1	<3	<1	--	--	--
MTCA Method A Cleanup Level[6]					**1,000/800[7]**	**5**	**1,000**	**700**	**1,000**	**20**	**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.

[7] 1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

Laboratory Note:

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

-- = 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

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

NE = cleanup level not established

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

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

RW = Remediation well, connected to a multi-phase remediation system

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 2
Summary of Historical Groundwater Analytical Results
June 1992 through February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW01[8]	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	<1	—	—	—	—
	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[9]	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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW02[8]	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	—	—	—	—	—
	06/04/12	—	11.27	—	347.51	Not sampled; just gauged									
	09/10/12	—	13.73	—	345.05	Not sampled; just gauged									
	12/03/12	—	12.69	—	346.09	Not sampled; just gauged									
	02/20/13	—	6.73	—	352.05	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW03[8]	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	—	—	—	—	—
	06/04/12	—	11.59	—	350.28	Not sampled; just gauged									
	09/10/12	—	14.63	—	347.24	Not sampled; just gauged									
	12/03/12	—	12.85	—	349.02	Not sampled; just gauged									
	02/20/13	—	6.29	—	355.58	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	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	—	—	—	—	—
	06/04/12	—	10.41	—	351.61	Not sampled; just gauged									
	09/10/12	—	14.31	—	347.71	Not sampled; just gauged									
	12/03/12	—	Dry	—	—	Not included in scope of sampling; just gauged									
	02/20/13	—	4.27	—	357.75	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	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	—	—	—	—	—
	06/04/12	—	10.39	—	353.37	Not sampled; just gauged									
	09/10/12	—	14.50	—	349.26	Not sampled; just gauged									
	12/03/12	—	14.61	—	349.15	Not sampled; just gauged									
	02/21/13	—	6.02	—	357.74	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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June 1992 through February 2013
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[5]	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	—	—	—	—	—
	06/04/12	—	11.82	—	347.04	Not sampled, just gauged.									
	09/10/12		14.69		344.17	Not sampled, just gauged.									
	12/03/12	—	14.65	—	344.21	Not sampled, just gauged.									
	02/20/13	—	6.81	—	352.05	<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[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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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	—	—	—	—	—
	06/04/12	—	12.67	—	347.73	Not sampled; just gauged									
	09/10/12	—	21.55	—	338.85	Not sampled; just gauged									
	12/03/12	—	20.49	—	339.91	Not sampled; just gauged									
	02/21/13	—	5.86	—	354.54	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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MW09[8]	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	—	—	—	—	—
	06/06/12	—	21.41	—	338.91	6,400	6.4	22	180	1,000	—	—	—	—	—
	09/11/12	—	27.04	—	333.28	3,400	21	21	130	750	—	—	—	—	—
	12/04/12	—	27.07	—	333.25	5,500	28	25	73	720	—	—	—	—	—
	02/20/13	—	13.89	—	346.43	270	<1	<1	5.8	59	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW10[8]	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	—	—	—	—	—
	06/06/12	—	26.47	—	331.50	830	11	5.1	28	84	—	—	—	—	—
	09/11/12	—	28.26	—	329.71	1,500	38	<10	110	86	—	—	—	—	—
	12/05/12	—	34.59	—	323.38	4,900	4.6	<1	19	63	—	—	—	—	—
	02/21/13	—	23.46	—	334.51	620	5.5	14	8.7	110	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW11[8]	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									
	06/06/12	—	22.86	—	339.39	Not sampled; just gauged									
TOC: 362.40	09/10/12	—	25.15	—	337.25	Not sampled; just gauged									
	12/03/12	—	25.75	—	336.65	Not sampled; just gauged									
	02/28/13	—	18.73	—	343.67	7,800	14	85	92	4,200	—	—	—	—	—
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	—	—	—	—	—
	06/04/12	—	10.17	—	347.52	Not sampled; just gauged									
	09/10/12	—	12.72	—	344.97	Not sampled; just gauged									
	12/03/12	—	11.82	—	345.87	Not sampled; just gauged									
	02/19/13	—	6.27	—	351.42	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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									
		06/04/12	–	Dry	–	–	Dry									
		09/10/12	–	Dry	–	–	Dry									
		12/03/12	–	Dry	–	–	Dry									
		02/20/13	–	38.89	–	318.50	<100	<1	<1	<1	<3	–	–	–	–	–
MW14		11/29/04	D E C O M M I S S I O N E D													
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:	357.50	03/08/12	–	33.12	–	324.38	8,200	<5	<5	88	480	–	–	–	–	–
		06/04/12	33.69	33.69	Heavy Sheen	323.81	LNAPL									
TOC:	357.54	09/12/12	–	36.15	–	321.39	2,300	3.23[j]	<5	14	330	–	–	–	–	–
		12/05/12	–	36.50	–	321.04	300	<1	1.8	<1	9.7	–	–	–	–	–
		02/28/13	–	32.10	–	325.44	790	3.6[j]	<5	<5	44	–	–	–	–	–
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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June 1992 through February 2013
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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									
	06/04/12	—	45.30	—	319.94	Not sampled, just gauged									
	09/10/12	—	47.39	—	317.85	Not sampled, just gauged									
	12/03/12	—	Dry	—	—	Not included in scope of sampling; just gauged									
	02/21/13	—	42.65	—	322.59	<100	<1	<1	<1	<3	—	—	—	—	—
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													
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	—	—	—	—	—
	06/04/12	—	33.40	—	324.46	Not sampled, just gauged									
TOC: 357.97	09/10/12	—	33.40	—	324.57	Not sampled; just gauged									
	12/03/12	—	28.18	—	329.79	Not sampled; just gauged									
	02/28/13	—	28.02	—	329.95	4,200	3.3	47	73	1,000	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—	—	—	—
	06/04/12	—	13.15	—	345.75	Not sampled, just gauged									
	09/10/12	—	15.65	—	343.25	Not sampled, just gauged									
	12/03/12	—	13.72	—	345.18	Not sampled; just gauged									
	02/21/13	—	8.32	—	350.58	<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	—	—	—	—	—
	06/06/12	—	27.99	—	331.99	7,800	220	250	300	910	—	—	—	—	—
	09/11/12	—	30.64	—	329.34	5,000	100	21	210	450	—	—	—	—	—
	12/05/12	—	32.91	—	327.07	840	<1	2.5	5.9	14	—	—	—	—	—
	02/20/13	—	24.86	—	335.12	17,000	140	760	620	3,400	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW21[8]	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									
	04/16/12	D E C O M M I S S I O N E D													
MW22[8]	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									
	06/06/12	—	27.07	—	331.49	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	29.55	—	329.01	<100	<1	<1	<1	<3	—	—	—	—	—
	12/04/12	—	28.20	—	330.36	<100	<1	<1	<1	<3	—	—	—	—	—
	02/21/13	—	24.18	—	334.38	<100	<1	<1	<1	<3	—	—	—	—	—
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									
	06/04/12	—	38.64	—	318.49	Not sampled; just gauged									
	09/10/12	—	39.15	—	317.98	Not sampled; just gauged									
	12/03/12	—	39.11	—	318.02	Not sampled; just gauged									
	02/20/13	—	36.63	—	320.50	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[9]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW24[8]	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	—	—	—	—	—
	06/04/12	—	14.18	—	347.67	Not sampled; just gauged									
TOC: 362.00	09/10/12	—	25.34	—	336.66	Not sampled; just gauged									
	12/03/12	—	24.60	—	337.40	Not sampled; just gauged									
	02/28/13	—	8.73	—	353.27	**1,000**	<1	1.7	<1	40	—	—	—	—	—
MW25[8]	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									
	06/04/12	—	18.99	—	340.02	Not sampled; just gauged									
	09/10/12	—	28.28	—	330.73	Not sampled; just gauged									
	12/03/12	—	30.40	—	328.61	Not sampled; just gauged									
	02/21/13	—	23.05	—	335.96	**1,900**	1.6	25	31	240	—	—	—	—	—
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	—	—	—	—	—
	06/04/12	—	45.24	—	318.62	Not sampled; just gauged									
	09/10/12	—	46.99	—	316.87	Not sampled; just gauged									
	12/03/12	—	48.14	—	315.72	Not sampled; just gauged									
	02/20/13	—	42.47	—	321.39	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800**[9]	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—	—	—	—
		06/05/12	—	17.02	—	345.38	23,000	7.3	110	720	4,600	—	—	—	—	—
TOC:	362.64	09/10/12	—	—	—	—	Not sampled; insufficient water above pump intake									
		12/05/12	—	19.14	—	343.50	11,000	5.8	69	220	2,800	—	—	—	—	—
		02/28/13	—	7.28	—	355.36	5,500	<1	6.9	160	1,300	—	—	—	—	—
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									
		06/04/12	—	26.66	—	331.76	Not sampled; just gauged									
		09/10/12	—	27.70	—	330.72	Not sampled; just gauged									
		12/03/12	—	27.86	—	330.56	Not sampled; just gauged									
		02/20/13	—	23.80	—	334.62	3,600	<1	1.8	86	420	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]							**1,000/800[9]**	**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 February 2013
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[5]	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	—	—	—	—	—
	06/04/12	—	12.39	—	346.50	Not sampled; just gauged									
TOC: 359.02	09/10/12	—	18.35	—	340.67	Not sampled; just gauged									
	12/03/12	—	13.85	—	345.17	Not sampled; just gauged									
	02/28/13	—	6.97	—	352.05	8,500	<1	50	<1	1,400	—	—	—	8.79	3.19
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	—	—	—	—	—
	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	—	—	—	—	—
	06/04/12	—	38.85	—	317.66	Not sampled; just gauged									
	09/10/12	—	40.73	—	315.78	Not sampled; just gauged									
	12/03/12	—	41.53	—	314.98	Not sampled; just gauged									
	02/19/13	—	36.32	—	320.19	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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
	06/05/12	—	34.88	—	322.64	8,200	19	7.7	17	880	—	—	—	—	—
TOC: 357.25	09/10/12	—	—	—	—	Not sampled; insufficient water above pump intake									
	12/03/12	—	32.87	—	—	Not sampled; insufficient water above pump intake									
	02/28/13	—	29.40	—	327.85	2,000	4.6	<1	19	45	—	—	—	16.1	9.28
MW32	12/20/05	—	23.05	—	334.98	40,000	270	8,000	1,000	9,500	<1	<1	<1	17.5	—
TOC: 358.05	02/23/06	—	19.93	—	338.12	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	—	—	—	—	—
	06/06/12	—	21.58	—	338.29	4,300	14	160	87	650	—	—	—	—	—
TOC: 359.98	09/11/12	—	24.12	—	335.86	16,000	170	330	470	3,000	—	—	—	—	—
	12/05/12	—	24.33	—	335.65	33,000	29	790	920	6,900	—	—	—	—	—
	02/28/13	—	17.18	—	342.80	28,000	23	210	1,000	7,000	—	—	—	9.37	3.94
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									
	06/04/12	—	34.27	—	324.02	Not sampled; insufficient water to fill sample containers									
	09/10/12	—	34.49	—	323.80	Not sampled; insufficient water to fill sample containers									
	12/03/12	—	34.43	—	323.86	Not sampled; insufficient water to fill sample containers									
	02/20/13	—	29.13	—	329.16	2,700	2.0	1.2	9.3	120	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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June 1992 through February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—	—	—	—
	06/04/12	—	11.55	—	346.40	Not sampled; just gauged									
	09/10/12	—	15.52	—	342.43	Not sampled; just gauged									
	12/03/12	—	8.94	—	349.01	Not sampled; just gauged									
	02/21/13	—	7.05	—	350.90	<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									
	06/04/12	—	Dry	—	—	Dry									
	09/10/12	—	Dry	—	—	Dry									
	12/03/12	—	39.32	—	319.19	Not sampled; just gauged									
	02/20/13	—	37.89	—	320.62	<100	<1	<1	<1	<3	—	—	—	2.45	<1
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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June 1992 through February 2013
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW36	01/27/06	—	40.10	—	318.19	<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	—	—	—	—	—
	06/04/12	—	41.54	—	316.48	Not sampled; just gauged									
	09/10/12	—	42.83	—	315.19	Not sampled; just gauged									
	12/03/12	—	42.49	—	315.53	Not sampled; just gauged									
	02/20/13	—	39.12	—	318.90	<100	<1	<1	<1	<3	—	—	—	—	—
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	—	—	—	—	—
	06/04/12	—	16.90	—	342.06	Not sampled; just gauged									
	09/10/12	—	23.99	—	334.97	Not sampled; just gauged									
	12/03/12	—	22.27	—	336.69	Not sampled; just gauged									
	02/21/13	—	11.58	—	347.38	<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	—	—	—	—	—
	06/04/12	—	17.61	—	346.88	Not sampled; just gauged									
	09/10/12	—	22.78	—	341.71	Not sampled; just gauged									
	12/03/12	—	21.41	—	343.08	Not sampled; just gauged									
	02/21/13	—	11.30	—	353.19	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—	—	—	—
	06/04/12	—	39.14	—	316.80	Not sampled; just gauged									
	09/10/12	—	40.86	—	315.08	Not sampled; just gauged									
	12/03/12	—	41.45	—	314.49	Not sampled; just gauged									
	02/20/13	—	36.40	—	319.54	<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	—	—	—	—	—
	06/04/12	—	39.11	—	317.26	Not sampled; just gauged									
	09/10/12	—	40.78	—	315.59	Not sampled; just gauged									
	12/03/12	—	41.57	—	314.80	Not sampled; just gauged									
	02/20/13	—	36.42	—	319.95	<100	<1	<1	<1	<3	—	—	—	—	—
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									
	06/04/12	—	39.78	—	316.24	Not sampled; just gauged									
TOC: 356.18	09/10/12	—	Dry	—	—	Not sampled; just gauged									
	12/03/12	—	34.54	—	321.64	Not sampled; just gauged									
	—	—	35.51	—	320.67	—	—	—	—	—	—	—	—	50.0	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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									
	06/04/12	—	Dry	—	—	Dry									
	09/10/12	—	39.84	—	316.58	Not sampled; just gauged.									
	12/03/12	—	Dry	—	—	Dry									
	02/18/13	—	39.51	—	316.91	Not sampled; insufficient water to fill sample containers									
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									
	06/04/12	—	Dry	—	—	Dry									
	09/10/12	—	Dry	—	—	Dry									
	12/03/12	—	Dry	—	—	Dry									
	02/18/13	—	33.90	—	324.99	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	—	—	Not sampled; insufficient water to fill sample containers									
	06/04/12	—	Dry	—	—	Dry									
	09/10/12	—	Dry	—	—	Dry									
	12/03/12	—	Dry	—	—	Dry									
	02/18/13	—	38.16	—	316.80	Not sampled; insufficient water to fill sample containers									
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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									
	06/06/12	—	37.00	—	320.06	6,900	33	7.6	95	1,300	—	—	—	—	—
	09/11/12	—	38.01	—	319.05	4,700	10	5.7	<1	540	—	—	—	—	—
	12/03/12	—	39.37	—	317.69	Not sampled; insufficient water to fill sample containers									
	02/20/13	—	37.14	—	319.92	19,000	<1	13	180	2,500	—	—	—	131	73.4
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									
	06/04/12	—	40.40	—	316.14	Not sampled; just gauged									
	09/10/12	—	41.49	—	315.05	Not sampled; just gauged									
	12/03/12	—	41.88	—	314.66	Not sampled; just gauged									
	02/20/13	—	38.81	—	317.73	<100	<1	<1	<1	<3	—	—	—	13.7	6.79
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	—	—	Not sampled; insufficient water to fill sample containers									
	06/04/12	—	41.17	—	314.34	Not sampled; just gauged									
	09/10/12	—	Dry	—	—	Not sampled; just gauged									
	12/03/12	—	Dry	—	—	Not sampled; just gauged									
	02/20/13	—	38.53	—	316.98	<100	<1	<1	<1	<3	—	—	—	1.50	<1
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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June 1992 through February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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]	—	—	--	—	—
	06/05/12	—	40.85	—	314.60	14,000	<5	13	210	1,900	—	—	--	—	—
	09/11/12	—	42.51	—	312.94	24,000	300	130	550	4,300	—	—	--	—	—
	12/04/12	—	42.80	—	312.65	21,000	62	<40	390	3,000	—	—	--	—	—
	02/20/13	—	38.23	—	317.22	19,000	170	100	620	4,500	—	—	—	5.58	4.07
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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June 1992 through February 2013
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[5]	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	—	—	—	—	—
	06/05/12	—	41.38	—	315.68	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	43.10	—	313.96	<100	1.2	<1	<1	<3	—	—	—	—	—
	12/04/12	—	43.25	—	313.81	<100	<1	<1	<1	<3	—	—	—	—	—
	02/19/13	—	38.66	—	318.40	<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	—	—	—	—	—
	06/05/12	—	33.05	—	329.06	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	35.66	—	326.45	<100	<1	<1	<1	<3	—	—	—	—	—
	12/03/12	—	Dry	—	—	Dry									
	02/20/13	—	29.39	—	332.72	<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	—	—	
	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	—	—	—	—	—
	06/05/12	—	39.86	—	312.85	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	41.35	—	311.36	<100	<1	<1	<1	<3	—	—	—	—	—
	12/04/12	—	41.15	—	311.56	<100	<1	<1	<1	<3	—	—	—	—	—
	02/20/13	—	36.92	—	315.79	<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	—	—	Not sampled; insufficient water to fill sample containers									
	06/06/12	—	41.48	—	314.17	<100	<1	<1	<1	<3	—	—	—	—	—
	09/10/12	—	43.16	—	312.49	Not sampled; insufficient water to fill sample containers									
	12/03/12	—	43.04	—	312.61	Not sampled; insufficient water to fill sample containers									
	02/20/13	—	38.77	—	316.88	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—	—	—	—
	06/05/12	—	41.15	—	318.73	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	43.10	—	316.78	<100	<1	<1	<1	<3	—	—	—	—	—
	12/04/12	—	44.16	—	315.72	<100	<1	<1	<1	<3	—	—	—	—	—
	02/20/13	—	38.76	—	321.12	<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	—	—	—	—	—
	06/04/12	—	11.45	—	346.54	Not sampled; just gauged									
	09/10/12	—	13.67	—	344.32	Not sampled; just gauged									
	12/03/12	—	13.00	—	344.99	Not sampled; just gauged									
	02/19/13	—	7.17	—	350.82	<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	—	—	—	—	—
	06/06/12	—	40.76	—	315.82	<100	<1	<1	<1	<3	—	—	—	—	—
	09/12/12	—	43.10	—	313.48	<100	<1	<1	<1	<3	—	—	—	—	—
	12/05/12	—	43.78	—	312.80	<100	<1	<1	<1	<3	—	—	—	—	—
	02/20/13	—	38.80	—	317.78	<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	—	—	—	—	—
	06/06/12	—	42.25	—	315.30	<100	<1	<1	<1	<3	—	—	—	—	—
	09/12/12	—	43.82	—	313.73	<100	<1	<1	<1	<3	—	—	—	—	—
	12/05/12	—	44.24	—	313.31	<100	<1	<1	<1	<3	—	—	—	—	—
	02/19/13	—	39.41	—	318.14	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	–	–	–	–	–
	06/04/12	–	41.88	–	314.46	Not sampled; just gauged									
TOC: 356.43	09/10/12	–	43.60	–	312.83	Not sampled; just gauged									
	12/03/12	–	43.34	–	313.09	Not sampled; just gauged									
	02/28/13	–	39.41	–	317.02	3,100	25	10	<1	710	–	–	–	–	–
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	–	–	–	–	–
	06/06/12	–	41.33	–	314.10	<100	<1	<1	<1	<3	–	–	–	–	–
	09/11/12	–	42.89	–	312.54	<100	<1	<1	<1	<3	–	–	–	–	–
	12/05/12	–	43.30	–	312.13	<100	<1	<1	<1	<3	–	–	–	–	–
	02/21/13	–	38.46	–	316.97	<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	–	–	–	–	–
	06/06/12	–	41.33	–	315.23	<100	<1	<1	<1	<3	–	–	–	–	–
	09/12/12	–	42.90	–	313.66	<100	<1	<1	<1	<3	–	–	–	–	–
	12/05/12	–	43.28	–	313.28	<100	<1	<1	<1	<3	–	–	–	–	–
	02/19/13	–	38.46	–	318.10	<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
	06/06/12	–	41.78	–	316.83	<100	<1	<1	<1	<3	–	–	–	–	–
	09/12/12	–	43.19	–	315.42	<100	<1	<1	<1	<3	–	–	–	–	–
	12/05/12	–	44.07	–	314.54	<100	<1	<1	<1	<3	–	–	–	–	–
	02/20/13	–	39.64	–	318.97	<100	<1	<1	<1	<3	–	–	–	–	–
MTCA Method A Cleanup Levels for Groundwater[6]						1,000/800[9]	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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—	—	—	—
	06/04/12	—	10.06	—	347.18	Not sampled; just gauged									
	09/10/12	—	12.11	—	345.13	Not sampled; just gauged									
	12/03/12	—	7.97	—	349.27	Not sampled; just gauged									
	02/21/13	—	5.15	—	352.09	<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	—	—	—	—	—
	06/04/12	—	10.82	—	349.73	Not sampled; just gauged									
	09/10/12	—	14.59	—	345.96	Not sampled; just gauged									
	12/03/12	—	9.73	—	350.82	Not sampled; just gauged									
	02/21/13	—	5.09	—	355.46	<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	—	—	—	—	—
	06/05/12	—	40.93	—	314.21	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	42.59	—	312.55	<100	<1	<1	<1	<3	—	—	—	—	—
	12/04/12	—	42.93	—	312.21	<100	<1	<1	<1	<3	—	—	—	—	—
	02/19/13	—	38.10	—	317.04	<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	—	—	—	—	—
	06/04/12	—	38.48	—	316.74	Not sampled; just gauged									
	09/10/12	—	40.20	—	315.02	Not sampled; just gauged									
	12/03/12	—	40.89	—	314.33	Not sampled; just gauged									
	02/21/13	—	35.75	—	319.47	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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June 1992 through February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—
	06/05/12	—	39.76	—	313.36	<100	<1	<1	<1	<3	<1	—	—	—	—
	09/11/12	—	41.63	—	311.49	<100	<1	<1	<1	<3	<1	—	—	—	—
	12/05/12	—	41.00	—	312.12	<100	<0.35	<1	<1	<3	<1	—	<1	—	—
	02/19/13	—	36.95	—	316.17	<100	0.61	<1	<1	<3	<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	—	—	—	—	—
	06/05/12	—	40.61	—	315.21	<100	<1	<1	<1	<3	—	—	—	—	—
	09/11/12	—	42.16	—	313.66	<100	<1	<1	<1	<3	—	—	—	—	—
	12/04/12	—	42.52	—	313.30	<100	<1	<1	<1	<3	—	—	—	—	—
	02/20/13	—	37.72	—	318.10	<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	—	—	—	—	—
	06/04/12	—	12.64	—	343.12	Not sampled; just gauged									
	09/10/12	—	15.22	—	340.54	Not sampled; just gauged									
	12/03/12	—	15.42	—	340.34	Not sampled; just gauged									
	02/19/13	—	9.83	—	345.93	<100	<1	<1	<1	<3	—	—	—	—	—
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	—	—	—	—	—
	06/04/12	—	12.31	—	342.83	Not sampled; just gauged									
	09/10/12	—	14.91	—	340.23	Not sampled; just gauged									
	12/03/12	—	14.90	—	340.24	Not sampled; just gauged									
	02/19/13	—	9.56	—	345.58	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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June 1992 through February 2013
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—
	06/05/12	—	40.19	—	313.43	9,700	2,6	15	220	900	<1	—	—	—	—
TOC: 353.78	09/12/12	—	41.77	—	312.01	7,900	7.2	13	170	750	<1	—	—	—	—
	12/04/12	—	41.69	—	312.09	200	1.5	<1	<1	2.8	<1	—	<1	—	—
	02/28/13	—	37.54	—	316.24	7,600	1.5	1.8	130	964	<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	—	—
	06/05/12	—	40.18	—	313.66	<100	2.3	<1	<1	<3	<1	—	—	—	—
TOC: 354.19	09/12/12	—	42.01	—	312.18	<100	2.1	<1	<1	<3	<1	—	—	—	—
	12/04/12	—	41.83	—	312.36	<100	1.5	<1	<1	<3	<1	—	<1	—	—
	02/28/13	—	37.74	—	316.45	<100	<0.35	<1	<1	<3	<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
	02/19/13	—	32.28	—	322.56	<100	<1	<1	<1	<3	—	—	—	—	—
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	—	—
	06/04/12	—	37.89	—	313.85	Not sampled; just gauged									
	09/10/12	—	39.80	—	311.94	Not sampled; just gauged									
	12/03/12	—	39.63	—	312.11	Not sampled; just gauged									
	02/19/13	—	35.11	—	316.63	<100	<0.35	<1	<1	<3	<1	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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 February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	—	—
	06/05/12	—	37.04	—	312.94	<100	<1	<1	<1	<3	<1	—	—	—	—
	09/11/12	—	38.65	—	311.33	<100	<1	<1	<1	<3	<1	—	—	—	—
	12/04/12	—	37.33	—	312.65	<100	<0.35	<1	<1	<3	<1	—	<1	—	—
	02/19/13	—	34.20	—	315.78	<100	<0.35	<1	<1	<3	<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	—	—
	06/04/12	—	35.06	—	314.91	Not sampled; just gauged									
	09/10/12	—	36.73	—	313.24	Not sampled; just gauged									
	12/03/12	—	37.06	—	312.91	Not sampled; just gauged									
	02/19/13	—	32.38	—	317.59	<100	<0.35	<1	<1	<3	<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	—	—	—	—	—
	06/04/12	—	12.78	—	341.25	Not sampled; just gauged									
	09/10/12	—	16.91	—	337.12	Not sampled; just gauged									
	12/03/12	—	14.10	—	339.93	Not sampled; just gauged									
	02/19/13	—	9.07	—	344.96	<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	—	—	—	—	—
	06/04/12	—	13.42	—	340.46	Not sampled; just gauged									
	09/10/12	—	17.28	—	336.60	Not sampled; just gauged									
	12/03/12	—	15.41	—	338.47	Not sampled; just gauged									
	02/19/13	—	9.87	—	344.01	<100	<1	<1	<1	<3	—	—	—	—	—
MW81	07/08/10	—	40.78	—	315.03	<100	<0.35	<1	<1	<2	<1	<1	<1	<1	<1
TOC: 355.81	10/12/10	—	43.02	—	312.79	Not sampled; just gauged									
	03/06/12	—	43.22	—	312.59	<100	<1	<1	<1	<3	—	—	—	—	—
	06/04/12	—	40.73	—	315.08	Not sampled; just gauged									
	09/10/12	—	42.49	—	313.32	Not sampled; just gauged									
	12/03/12	—	42.67	—	313.14	Not sampled; just gauged									
	02/19/13	—	38.00	—	317.81	<100	<1	<1	<1	<3	—	—	—	—	—
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	—	—	—	—	—
	06/04/12	—	28.99	—	326.66	Not sampled; just gauged									
	09/10/12	—	29.63	—	326.02	Not sampled; just gauged									
	12/03/12	—	29.51	—	326.14	Not sampled; just gauged									
	02/19/13	—	27.87	—	327.78	<100	<1	<1	<1	<3	—	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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June 1992 through February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
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	14	<1	—	<1	—	—
	06/05/12	—	40.78	—	312.89	990	<1	2.5	11	28	<1	—	—	—	—
	09/12/12	—	42.09	—	311.58	1,200	2.0	2.9	8.5	28	<1	—	—	—	—
	12/05/12	—	42.02	—	311.65	1,000	0.45	<1	17	41	<1	—	<1	—	—
	02/28/13	—	37.90	—	315.77	4,700	1.9	2.0	150	551	<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
	06/05/12	—	38.25	—	313.09	<100	1.8	<1	<1	<3	<1	—	—	—	—
	09/11/12	—	39.83	—	311.51	<100	1.4	<1	<1	<3	<1	—	—	—	—
	12/04/12	—	39.73	—	311.61	<100	<0.35	<1	<1	<3	<1	—	<1	—	—
	02/19/13	—	35.44	—	315.90	<100	0.46	<1	<1	<3	<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	—	—
	06/05/12	—	39.74	—	313.04	130	1.1	<1	<1	<3	<1	—	—	—	—
	09/11/12	—	41.24	—	311.54	1,600	2.6	5.8	3.1	4.5	<1	—	—	—	—
	12/04/12	—	41.12	—	311.66	860	0.77	<1	1.7	4.6	<1	—	<1	—	—
	02/19/13	—	36.95	—	315.83	<100	1.1	<1	<1	<3	<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	—	—
	06/04/12	—	36.92	—	312.86	Not sampled; just gauged									
	09/10/12	—	38.53	—	311.25	Not sampled; just gauged									
	12/03/12	—	38.46	—	311.32	Not sampled; just gauged									
	02/19/13	—	34.10	—	315.68	<100	<0.35	<1	<1	<3	<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	—	—	—	—	—
	06/04/12	—	15.13	—	336.54	Not sampled; just gauged									
	09/10/12	—	20.05	—	331.62	Not sampled; just gauged									
	12/03/12	—	19.04	—	332.63	Not sampled; just gauged									
	02/19/13	—	9.74	—	341.93	<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	—	—
	06/05/12	—	40.51	—	313.38	<100	<1	<1	<1	<3	<1	—	—	—	—
	09/11/12	—	42.08	—	311.81	<100	<1	<1	<1	<3	<1	—	—	—	—
	12/04/12	—	42.12	—	311.77	<100	<0.35	<1	<1	<3	<1	—	<1	—	—
	02/19/13	—	37.69	—	316.20	<100	<0.35	<1	<1	<3	<1	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

SoundEarth Strategies

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June 1992 through February 2013
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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW90	03/05/12	24.66	24.75	0.09	338.03	LNAPL									
TOC: 362.71	06/04/12	22.19	22.33	0.14	340.49	LNAPL									
TOC: 362.90	09/10/12	24.80	25.18	0.38	338.02	LNAPL									
	12/03/12	—	28.69	—	334.21	Not sampled, just gauged									
	02/28/13	19.05	19.10	0.05	343.84	30,000	27	1,900	770	5,500	—	—	—	1.19	<1
MW91	03/08/12	—	24.87	—	337.71	15,000	36	95	410	3,100	—	—	—	15.9	<1
TOC: 362.58	06/04/12	23.49	23.50	0.01	339.09	LNAPL									
TOC: 362.73	09/10/12	26.29	26.48	0.19	336.40	LNAPL									
	12/03/12	—	26.64	—	336.09	Not sampled, just gauged									
	02/28/13	—	19.58	—	343.15	22,000	41	380	750	5,400	—	—	—	3.01	<1
MW92	03/06/12	—	45.45	—	312.87	<100	<1	<1	<1	<3	—	—	—	4.19	<1
TOC: 358.32	06/04/12	—	42.95	—	315.37	Not sampled; just gauged									
TOC: 357.93	09/10/12	—	41.12	—	317.20	Not sampled; just gauged									
	12/03/12	—	44.61	—	313.32	Not sampled; just gauged									
	02/28/13	—	39.78	—	318.15	<100	1.1	<1	<1	<3	—	—	—	—	—
MW93	03/06/12	—	43.00	—	312.73	<100	<1	<1	<1	<3	—	—	—	5.60	<1
TOC: 355.73	06/04/12	—	40.64	—	315.09	Not sampled; just gauged									
TOC: 356.05	09/10/12	—	Dry	—	—	Not sampled; just gauged									
	12/03/12	—	41.83	—	314.22	Not sampled; just gauged									
	02/28/13	—	37.76	—	318.29	<100	<1	<1	<1	<3	—	—	—	—	—
MW94	03/06/12	—	45.13	—	313.11	<100	<1	<1	<1	<3	—	—	—	<1	<1
TOC: 358.24	06/04/12	—	43.22	—	315.02	Not sampled; just gauged									
TOC: 358.01	09/10/12	—	Dry	—	—	Not sampled; just gauged									
	12/03/12	—	39.83	—	318.18	Not sampled; just gauged									
	02/28/13	—	38.16	—	319.85	<100	8.9	1.1	<1	<3	—	—	—	—	—
MW95	03/07/12	—	42.95	—	311.47	<100	<1	<1	<1	<3	<1	—	<1	2.74	<1
TOC: 354.42	06/04/12	—	40.56	—	313.86	Not sampled; just gauged									
TOC: 354.73	09/10/12	—	42.70	—	312.03	Not sampled; just gauged									
	12/03/12	—	42.42	—	312.31	Not sampled; just gauged									
	02/28/13	—	37.92	—	316.81	<100	<0.35	<1	<1	<3	<1	—	—	—	—
MW96	03/07/12	—	44.01	—	311.82	<100	<1	<1	<1	<3	<1	—	<1	11.4	<1
TOC: 355.83	06/04/12	—	41.44	—	314.39	Not sampled; just gauged									
TOC: 356.06	09/10/12	—	45.50	—	310.56	Not sampled; just gauged									
	12/03/12	—	42.19	—	313.87	Not sampled; just gauged									
	02/28/13	—	37.59	—	318.47	240	6.0	<1	<1	54	<1	—	—	—	—
MW97	03/07/12	—	43.18	—	311.46	420	9.4	<1	<1	3.4	<1	—	<1	2.07	<1
TOC: 354.64	06/04/12	—	40.79	—	313.85	Not sampled; just gauged									
TOC: 354.31	09/10/12	—	42.06	—	312.25	Not sampled; just gauged									
	12/03/12	—	41.83	—	312.48	Not sampled; just gauged									
	02/28/13	—	37.62	—	316.69	110	1.7	<1	<1	<3	<1	—	—	—	—
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	**NE**

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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[5]	Total Xylenes[4]	MTBE[4]	EDB[4]	EDC[4]	Total Lead[5]	Dissolved Lead[5]
MW98	03/08/11	—	43.04	—	311.45	3,800	13	4.6	56	130	<1	—	<1	1.87	<1
TOC: 354.49	06/04/12	—	40.73	—	313.76	Not sampled; just gauged									
TOC: 354.75	09/10/12	—	43.30	—	311.45	Not sampled; just gauged									
	12/03/12	—	42.27	—	312.48	Not sampled; just gauged									
	02/28/13	—	38.03	—	316.72	810	7.6	1.5	13	45	<1	—	—	—	—
MW99	03/06/12	—	42.47	—	310.95	<100	2.1	<1	<1	<3	<1	—	<1	1.08	<1
TOC: 353.42	06/04/12	—	40.45	—	312.97	Not sampled; just gauged									
TOC: 353.65	09/10/12	—	Dry	—	—	Not sampled; just gauged									
	12/03/12	—	38.04	—	315.61	Not sampled; just gauged									
	02/28/13	—	37.48	—	316.17	<100	<0.35	<1	<1	<3	<1	—	—	—	—
MW100	03/06/12	—	15.73	—	340.08	<100	<1	<1	<1	<3	—	—	—	50.6	1.15
TOC: 355.81	06/04/12	—	15.61	—	340.20	Not sampled; just gauged									
	09/10/12	—	19.18	—	336.63	Not sampled; just gauged									
	12/03/12	—	17.48	—	338.33	Not sampled; just gauged									
	02/19/13	—	11.45	—	344.36	<100	<1	<1	<1	<3	—	—	—	<1	<1
MW101	03/06/12	—	40.90	—	311.02	<100	<1	<1	<1	<3	<1	—	<1	22.6	<1
TOC: 351.92	06/04/12	—	38.99	—	312.93	Not sampled; just gauged									
TOC: 352.12	09/10/12	—	40.54	—	311.58	Not sampled; just gauged									
	12/03/12	—	43.95	—	308.17	Not sampled; just gauged									
	02/28/13	—	36.11	—	316.01	<100	<0.35	<1	<1	<3	<1	—	—	20.30	1.45
MTCA Method A Cleanup Levels for Groundwater[6]						**1,000/800[9]**	**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.

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

[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.

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

[9] 1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

Laboratory Notes

[h] The pattern of peaks present is not indicative of diesel. The result is due to overlap from the gasoline range.

[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.

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

— = 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	1.7
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

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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

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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
		06/05/12	—	—	<1	—	—	—	—	—
		09/11/12	—	—	<1	—	—	—	—	—
		12/05/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<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
		06/05/12	—	—	<1	—	—	—	—	—
		09/12/12	—	—	<1	—	—	—	—	—
		12/04/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MTCA Method A[2]			**NE**	**NE**	**20**	**NE**	**NE**	**NE**	**0.01**	**5**

SoundEarth Strategies

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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]
MW70	Drake	02/03/09	—	—	<1	—	—	—	—	—
		03/02/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	—	—	<1	—	—	—	—	<1
		06/05/12	—	—	<1	—	—	—	—	—
		09/12/12	—	—	<1	—	—	—	—	—
		12/04/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<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
		02/19/13	—	—	<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
		06/05/12	—	—	<1	—	—	—	—	—
		09/11/12	—	—	<1	—	—	—	—	—
		12/04/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<1	—	—	—	—	—
MW78	Drake	02/03/09	—	—	<1	—	—	—	—	—
		03/01/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<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
		06/05/12	—	—	<1	—	—	—	—	—
		09/12/12	—	—	<1	—	—	—	—	—
		12/05/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MW85	Drake	10/11/12	WELL DAMAGED DURING INSTALLATION, REPAIRED ON 11/28/2011							
		03/06/12	—	—	<1	—	—	—	—	<1
		06/05/12	—	—	<1	—	—	—	—	—
		09/11/12	—	—	<1	—	—	—	—	—
		12/04/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<1	—	—	—	—	—
MW86	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	—	—	<1	—	—	—	—	<1
		06/05/12	—	—	<1	—	—	—	—	—
		09/11/12	—	—	<1	—	—	—	—	—
		12/04/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<1	—	—	—	—	—
MW87	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<1	—	—	—	—	—
MW88	Drake	10/12/10	<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]
MW89	Drake	10/12/10	<1,000	<50	<1	<1	<1	<1	<1	<1
		03/06/12	—	—	<1	—	—	—	—	<1
		06/05/12	—	—	<1	—	—	—	—	—
		09/11/12	—	—	<1	—	—	—	—	—
		12/04/12	—	—	<1	—	—	—	—	<1
		02/19/13	—	—	<1	—	—	—	—	—
MW95	Drake	03/07/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MW96	Drake	03/07/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MW97	Drake	03/07/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MW98	Drake	03/08/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MW99	Drake	03/06/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<1	—	—	—	—	—
MW101	Drake	03/06/12	—	—	<1	—	—	—	—	<1
		02/28/13	—	—	<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

Dry = groundwater not encountered in well

EDB = 1,2-dibromoethane

EDC = 1,2-dichloroethane

DIPE = diisopropyl ether

Drake = Property at 24309 56th Avenue West

Dry = groundwater not encountered in well

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 = 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 2013
TOC Holdings Co. Facility No. 01-176
24205 56th Avenue West
Mountlake Terrace, Washington

Well ID / Type of Blank Sample	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	MW09-20130220-BL	TOC	02/20/13	Bladder Pump	270	<1	<1	5.8	59	--	--	--
MW09	MW09-20130220-PE	TOC	02/20/13	Peristaltic Pump	460	<1	<1	7.0	74	--	--	--
MW09	MW999-20130220-PE	TOC	02/20/13	Peristaltic Pump	420	<1	<1	6.1	65	--	--	--
MW09	MW09-20130220-BA	TOC	02/20/13	Bailer	1,200	<1	<1	28	140	--	--	--
MW20	MW20-20130220-PE	TOC	02/20/13	Peristaltic Pump	17,000	140	750	620	3,400	--	--	--
MW20	MW20-20130220-PE2	TOC	02/20/13	Peristaltic Pump	17,000	140	760	610	3,300	--	--	--
MW28	MW28-20130220-PE	TOC	02/20/13	Peristaltic Pump	3,600	<1	1.8	86	420	--	--	--
MW28	MW28-20130220-BA	TOC	02/20/13	Bailer	3,500	<1	1.7	51	330	--	--	--
MW55	MW55-20130220-BL	ROW	02/20/13	Bladder Pump	<100	<1	<1	<1	<3	--	--	--
MW55	MW55-20130220-BL2	ROW	02/20/13	Bladder Pump	<100	<1	<1	<1	<3	--	--	--
MW65	MW65-20130219-BL	Drake	02/19/13	Bladder Pump	<100	0.61	<1	<1	<3	<1	--	--
MW65	MW65-20130219-BA	Drake	02/19/13	Bailer	<100	<1	<1	<1	<3	--	--	--
MW86	MW86-20130219-BL	Drake	02/19/13	Bladder Pump	<100	1.1	<1	<1	<3	<1	--	--
MW86	MW86-20130219-BL2	Drake	02/19/13	Bladder Pump	<100	1.2	<1	<1	<3	--	--	--
MW98	MW98-20130228-PN	Drake	02/28/13	Pneumatic	770	7.6	1.5	13	45	<1	--	--
MW98	MW98-20130228-PN2	Drake	02/28/13	Pneumatic	810	7.6	1.5	13	44	<1	--	--
Rinsate Blank	01176-20130219-R1	NA	02/19/13	NA	--	<1	<1	<1	<3	--	--	--
MTCA Method A Cleanup Level[4]					**1,000/800[5]**	**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 or 8260C.

[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.

[5]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

ID = identification

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

NA = not applicable

QA/QC = quality assurance, quality control

ROW = right-of-way

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

ATTACHMENT A
PREPARATION OF GRPH AND BENZENE DISTRIBUTION FIGURES

Attachment A

PREPARATION OF GRPH AND BENZENE DISTRIBUTION FIGURES

SoundEarth prepared Figures 5.1 and 5.2 using Rockware Surfer software (version 8.2) to illustrate subsurface conditions according to the methods described below:

- The base map for Figures 5.1 and 5.2 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 Company [*sic*] 1975, Reisdorff 1985, and K&S Environmental 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 5.1 and 5.2 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 GRPH and benzene distributions shown on Figures 5.1 and 5.2 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 high power value (power of 8) to leverage the effect of data at closer 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 concentrations of GRPH were not detected above the standard laboratory reporting limit of 100 micrograms per liter (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 MW48.

Actual concentrations may vary from those illustrated on Figures 5.1 and 5.2 due to lithology, stratigraphy, well screen interval depths, and/or spacing between individual monitoring wells.

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

Friedman & Bruya, Inc. #302333

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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Seattle, WA 98119-2029
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February 28, 2013

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 February 22, 2013 from the TOC_01-176_20130222 WORFDB7, F&BI 302333 project. There are 15 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: Audrey Hackett, Suzy Stumpf
SOU0228R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20130222 WORFDB7, F&BI 302333 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
302333 -01	MW65-20130219-BA
302333 -02	MW65-20130219-BL
302333 -03	MW67-20130219-PE
302333 -04	MW68-20130219-PE
302333 -05	MW76-20130219-BA
302333 -06	MW77-20130219-BA
302333 -07	MW78-20130219-BA
302333 -08	MW85-20130219-BL
302333 -09	MW86-20130219-BL
302333 -10	MW86-20130219-BL2
302333 -11	MW87-20130219-BA
302333 -12	MW88-20130219-PE
302333 -13	MW89-20130219-BL
302333 -14	Trip Blank

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted: 02/22/13
Date Analyzed: 02/22/13 and 02/23/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
MW65-20130219-BL 302333-02	<100	103
MW76-20130219-BA 302333-05	<100	104
MW77-20130219-BA 302333-06	<100	104
MW78-20130219-BA 302333-07	<100	104
MW85-20130219-BL 302333-08	<100	103
MW86-20130219-BL 302333-09	<100	108
MW87-20130219-BA 302333-11	<100	105
MW89-20130219-BL 302333-13	<100	104
Method Blank 03-0276 MB	<100	102

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted: 02/22/13
Date Analyzed: 02/22/13 and 02/23/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW65-20130219-BA 302333-01	<1	<1	<1	<3	<100	100
MW67-20130219-PE 302333-03	<1	<1	<1	<3	<100	103
MW68-20130219-PE 302333-04	<1	<1	<1	<3	<100	100
MW86-20130219-BL2 302333-10	1.2	<1	<1	<3	<100	100
MW88-20130219-PE 302333-12	<1	<1	<1	<3	<100	105
Method Blank 03-0276 MB	<1	<1	<1	<3	<100	100

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW65-20130219-BL	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-02
Date Analyzed:	02/25/13	Data File:	022512.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	0.61
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW76-20130219-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-05
Date Analyzed:	02/25/13	Data File:	022513.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW77-20130219-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-06
Date Analyzed:	02/25/13	Data File:	022514.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

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

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW78-20130219-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-07
Date Analyzed:	02/25/13	Data File:	022515.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW85-20130219-BL	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-08
Date Analyzed:	02/25/13	Data File:	022516.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	0.46
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW86-20130219-BL	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-09
Date Analyzed:	02/25/13	Data File:	022517.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

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

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	1.1
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW87-20130219-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-11
Date Analyzed:	02/25/13	Data File:	022522.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW89-20130219-BL	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	302333-13
Date Analyzed:	02/25/13	Data File:	022523.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7, F&BI 302333
Date Extracted:	02/25/13	Lab ID:	03-0338 mb
Date Analyzed:	02/25/13	Data File:	022507.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302333

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: 302333-02 (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	94	65-118
Toluene	ug/L (ppb)	50	95	72-122
Ethylbenzene	ug/L (ppb)	50	100	73-126
Xylenes	ug/L (ppb)	150	97	74-118
Gasoline	ug/L (ppb)	1,000	99	69-134

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302333

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

Laboratory Code: 302330-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	106	73-123
Benzene	ug/L (ppb)	50	<0.35	100	80-108
Toluene	ug/L (ppb)	50	<1	103	74-116
Ethylbenzene	ug/L (ppb)	50	<1	100	71-120
m,p-Xylene	ug/L (ppb)	100	<2	99	64-128
o-Xylene	ug/L (ppb)	50	<1	101	66-129

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	101	107	76-122	6
Benzene	ug/L (ppb)	50	99	102	81-108	3
Toluene	ug/L (ppb)	50	102	105	83-108	3
Ethylbenzene	ug/L (ppb)	50	101	104	84-110	3
m,p-Xylene	ug/L (ppb)	100	100	103	84-112	3
o-Xylene	ug/L (ppb)	50	100	104	82-113	4

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.

302333

SAMPLE CHAIN OF CUSTODY

DRAKE

MG 02/22/13 VG

Send Report To Dee Gardner / Suzy Stumpf

Company Sound Earth Strategies

Address 2811 Fairview Avenue East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): Camarda, Garrett, Nador, Iwasaki, Porter, Forbes

PROJECT NAME/NO.: TOC Holdings - Mountlake Terrace 0440-030-19 01-176

PO #

REMARKS: Lab supplied trip blank TB-20309 (Gx, BTEX, MTBE) - Hold N

GEMS Y / N

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

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	BTEX + MTBE by 8021B	Total Pb by 200.8	Dissolved Pb by 200.8		Notes
MW65-20120219-BA	MW65		01 A-C	02/19/13	1605	Water	3		✓	✓						
MW65-20120219-BL	MW65	46	02 A-D	02/19/13	1115	Water	4		✓			✓				
MW67-20120219-PE	MW67	19	03 A-D	02/19/13	1412	Water	4		✓	✓						
MW68-20120219-PE	MW68	18.8	04 A-C	02/19/13	1334	Water	3		✓	✓						
MW76-20120219-BA	MW76		05 A-D	02/19/13	1010	Water	4		✓			✓				
MW77-20120219-BA	MW77		06	02/19/13	1117	Water	4		✓			✓				
MW78-20120219-BA	MW78		07	02/19/13	1235	Water	4		✓			✓				
MW85-20120219-BL	MW85	42.5	08	02/19/13	1300	Water	4		✓			✓				
MW86-20120219-BL	MW86	39.5	09	02/19/13	1435 1441	Water	4		✓			✓				
MW86-20120219-BL2	MW86	39.5	10 A-C	02/19/13	1438	Water	3		✓	✓						
MW87-20120219-BA	MW87		11 A-D	02/19/13	1025	Water	4		✓			✓				
MW88-20120219-PE	MW88	24.5	12 A-C	02/19/13	1222	Water	3		✓	✓						
MW89-20120219-BL	MW89	44.5	13 A-D	02/19/13	1105	Water	4		✓			✓				
Trip Blank			14 A-B			Water	2									added on 02/20/13 (MG)

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Will Camarda	SES	2/22/13	1415
Received by:	Khan Phan	FeBI	2/22/13	1415
Relinquished by:				
Received by:				

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

Samples received at 2 °C

Friedman & Bruya, Inc. #302334

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

February 28, 2013

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 February 22, 2013 from the TOC_01-176_20130222 WORFDB7, F&BI 302334 project. There are 19 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: Suzy Stumpf
SOU0228R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20130222 WORFDB7, F&BI 302334 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
302334 -01	MW04-20130220-PE
302334 -02	MW05-20130221-PE
302334 -03	MW08-20130221-PE
302334 -04	MW12-20130219-PE
302334 -05	MW13-20130220-BA
302334 -06	MW16-20130221-BA
302334 -07	MW45-20130220-BA
302334 -08	MW46-20130220-BA
302334 -09	MW47-20130220-BA
302334 -10	MW48-20130220-BA
302334 -11	MW49-20130219-BL
302334 -12	MW50-20130220-BA
302334 -13	MW51-20130220-BA
302334 -14	MW52-20130220-BA
302334 -15	MW53-20130220-BA
302334 -16	MW55-20130220-BL
302334 -17	MW55-20130220-BL2
302334 -18	MW60-20130220-BL
302334 -19	MW61-20130221-PE
302334 -20	MW62-20130221-PE
302334 -21	MW63-20130219-BL
302334 -22	MW64-20130221-BA
302334 -23	MW75-20130219-BL
302334 -24	Trip Blank

All quality control requirements were acceptable.

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334
Date Extracted: 02/25/13
Date Analyzed: 02/25/13 and 02/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW04-20130220-PE 302334-01	<1	<1	<1	<3	<100	86
MW05-20130221-PE 302334-02	<1	<1	<1	<3	<100	89
MW08-20130221-PE 302334-03	<1	<1	<1	<3	<100	89
MW12-20130219-PE 302334-04	<1	<1	<1	<3	<100	86
MW13-20130220-BA 302334-05	<1	<1	<1	<3	<100	90
MW16-20130221-BA 302334-06	<1	<1	<1	<3	<100	91
MW45-20130220-BA 302334-07	<1	13	180	2,500	19,000	139
MW46-20130220-BA 302334-08	<1	<1	<1	<3	<100	90
MW47-20130220-BA 302334-09	<1	<1	<1	<3	<100	89
MW48-20130220-BA 302334-10 1/40	170	100	620	4,500	19,000	93
MW49-20130219-BL 302334-11	<1	<1	<1	<3	<100	83

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334
Date Extracted: 02/25/13
Date Analyzed: 02/25/13 and 02/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW50-20130220-BA 302334-12	<1	<1	<1	<3	<100	134
MW51-20130220-BA 302334-13	<1	<1	<1	<3	<100	91
MW52-20130220-BA 302334-14	<1	<1	<1	<3	<100	90
MW53-20130220-BA 302334-15	<1	<1	<1	<3	<100	90
MW55-20130220-BL 302334-16	<1	<1	<1	<3	<100	89
MW55-20130220-BL2 302334-17	<1	<1	<1	<3	<100	91
MW60-20130220-BL 302334-18	<1	<1	<1	<3	<100	89
MW61-20130221-PE 302334-19	<1	<1	<1	<3	<100	90
MW62-20130221-PE 302334-20	<1	<1	<1	<3	<100	90
MW63-20130219-BL 302334-21	<1	<1	<1	<3	<100	89
MW64-20130221-BA 302334-22	<1	<1	<1	<3	<100	90

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334
Date Extracted: 02/25/13
Date Analyzed: 02/25/13 and 02/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW75-20130219-BL 302334-23	<1	<1	<1	<3	<100	90
Method Blank 03-0327 MB	<1	<1	<1	<3	<100	130
Method Blank 03-0328 MB	<1	<1	<1	<3	<100	118

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW45-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-07
Date Analyzed:	02/26/13	Data File:	302334-07.034
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	131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW46-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-08
Date Analyzed:	02/26/13	Data File:	302334-08.035
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	13.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW47-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-09
Date Analyzed:	02/26/13	Data File:	302334-09.036
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration ug/L (ppb)
Lead	1.50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW48-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-10
Date Analyzed:	02/26/13	Data File:	302334-10.037
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	5.58

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	I3-79 mb
Date Analyzed:	02/26/13	Data File:	I3-79 mb.065
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	91	60	125

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

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW45-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-07
Date Analyzed:	02/26/13	Data File:	302334-07.016
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	73.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW46-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-08
Date Analyzed:	02/26/13	Data File:	302334-08.017
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	6.79

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW47-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-09
Date Analyzed:	02/26/13	Data File:	302334-09.019
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW48-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302334-10
Date Analyzed:	02/26/13	Data File:	302334-10.020
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	4.07

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	I3-81 mb
Date Analyzed:	02/26/13	Data File:	I3-81 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	91	60	125

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

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334

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: 302334-12 (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	98	72-119
Toluene	ug/L (ppb)	50	96	71-113
Ethylbenzene	ug/L (ppb)	50	99	72-114
Xylenes	ug/L (ppb)	150	96	72-113
Gasoline	ug/L (ppb)	1,000	92	70-119

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334

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: 302335-05 (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	96	72-119
Toluene	ug/L (ppb)	50	95	71-113
Ethylbenzene	ug/L (ppb)	50	97	72-114
Xylenes	ug/L (ppb)	150	95	72-113
Gasoline	ug/L (ppb)	1,000	92	70-119

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334

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

Laboratory Code: 302313-01 (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	103	102	85-115	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	105	84-120

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302334

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

Laboratory Code: 302335-13 (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	100	101	85-115	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	108	84-120

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.

302334

SAMPLE CHAIN OF CUSTODY ROW ME 02/22/13 V3

Page 1 of 2 AT

Send Report To Dee Gardner / Suzy Stumpf

Company Sound Earth Strategies

Address 2811 Fairview Avenue East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): Camarda, Garrett, Nader, Iwasaki, Porter, Forbes

PROJECT NAME/NO.: TOC Holdings - Mountlake Terrace 0440-030-19 01-176

PO #:

REMARKS: Dissolved Lead samples were field filtered and preserved. TRIP Blanks Laboratory supplied. TB - ROW (Gx, BTEX) - HOLD

GEMS Y / N

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

SAMPLE DISPOSAL: ☑ Dispose after 30 days ☐ Return samples ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	BTEX + MTBE	Total Pb by 200.8	Dissolved Pb by 200.8		Notes
MW04-20130220-PE	MW04	7	01	02/20/13	1154	Water	3		✓	✓						
MW05-20130221-PE	MW05	10	02	02/21/13	1236	Water	3		✓	✓						
MW08-20130221-PE	MW08	9.5	03	02/21/13 @ 1056	1052	Water	3		✓	✓						
MW12-20130219-PE	MW12	9	04	02/19/13	1446	Water	3		✓	✓						
MW13-20130220-BA	MW13		05	02/20/13	1110	Water	3		✓	✓						
MW16-20130221-BA	MW16		06	02/21/13	0916	Water	3		✓	✓						
MW45-20130220-BA	MW45		07	02/20/13	1506	Water	3		✓	✓			✓	✓		
MW46-20130220-BA	MW46		08	02/20/13	1525	Water	3		✓	✓			✓	✓		
MW47-20130220-BA	MW47		09	02/20/13	1400	Water	5		✓	✓			✓	✓		
MW48-20130220-BA	MW48		10	02/20/13	1325	Water	5		✓	✓			✓	✓		
MW49-20130219-BL	MW49		11	02/19/13 @	1538	Water	3		✓	✓						
MW50-20130220-BA	MW50		12	02/20/13	1321	Water	3		✓	✓						
MW51-20130220-BA	MW51		13	02/20/13	1545	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:		Will Camarda	SES	2/22/13	1415
Received by:		Nhan Phan	FedEx	2/22/13	1415
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 3 °C

302334

SAMPLE CHAIN OF CUSTODY ROW ME 02/22/13 V5/AI

Page # 2

Send Report To Dee Gardner / Suzy Stumpf

Company Sound Earth Strategies

Address 2811 Fairview Avenue East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): Camarda, Garrett, Nader, Iwasaki, Porter, Forbes

PROJECT NAME/NO.: TOC Holdings-Mountlake Terrace 0440-030-19 01-176

PO #:

REMARKS: Dissolved Lead Samples were field filtered and preserved. Trip Blank-laboratory supplied. TB-ROW (Gx, BTEX) HOLD

GEMS Y / N

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

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	BTEX + MTBE	Total Pb by 200.8	Dissolved Pb by 200.8		Notes
MW52-20130220-BA	MW52		14	02/20/13	1544	Water	3		✓	✓						
MW53-20130220-BA	MW53		15	02/20/13	1604	Water	3		✓	✓						
MW55-20130220-BL	MW55	41.5	16	02/20/13	1059	Water	3		✓	✓						
MW55-20130220-BL2	MW55	41.5	17	02/20/13	1101	Water	3		✓	✓						
MW60-20130220-BL	MW60	47.5	18	02/20/13	1016	Water	3		✓	✓						
MW61-20130221-PE	MW61	13	19	02/21/13	1144	Water	3		✓	✓						
MW62-20130221-PE	MW62	11	20	02/21/13	1013	Water	3		✓	✓						
MW63-20130219-BL	MW63	47	21	02/19/13	1202	Water	3		✓	✓						
MW64-20130221-BA	MW64		22	02/21/13	1228	Water	3		✓	✓						
MW75-20130219-BL	MW75	44.5	23	02/19/13	1016	Water	3		✓	✓						
Trip Blank			24	—	—	water	2									Added in lab (ND) 2/22/13

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:		WILL CAMARDA	SES	2/22/13	1415
Received by:		Nhan Phan	FCBT	2/22/13	1415
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 3 °C

Friedman & Bruya, Inc. #302335

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

February 28, 2013

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 February 22, 2013 from the TOC_01-176_20130222 WORFDB7, F&BI 302335 project. There are 11 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: Suzy Stumpf
SOU0228R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20130222 WORFDB7, F&BI 302335 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
302335 -01	MW30-20130219-BA
302335 -02	MW39-20130220-BA
302335 -03	MW40-20130220-BA
302335 -04	MW54-20130219-PE
302335 -05	MW56-20130219-BL
302335 -06	MW58-20130221-BL
302335 -07	MW59-20130219-BL
302335 -08	MW66-20130220-BA
302335 -09	MW79-20130219-PE
302335 -10	MW80-20130219-PE
302335 -11	MW81-20130219-BA
302335 -12	MW82-20130219-PE
302335 -13	MW100-20130219-PE
302335 -14	Trip Blank

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302335
Date Extracted: 02/25/13
Date Analyzed: 02/25/13 and 02/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW30-20130219-BA 302335-01	<1	<1	<1	<3	<100	88
MW39-20130220-BA 302335-02	<1	<1	<1	<3	<100	89
MW40-20130220-BA 302335-03	<1	<1	<1	<3	<100	91
MW54-20130219-PE 302335-04	<1	<1	<1	<3	<100	90
MW56-20130219-BL 302335-05	<1	<1	<1	<3	<100	133
MW58-20130221-BL 302335-06	<1	<1	<1	<3	<100	84
MW59-20130219-BL 302335-07	<1	<1	<1	<3	<100	90
MW66-20130220-BA 302335-08	<1	<1	<1	<3	<100	89
MW79-20130219-PE 302335-09	<1	<1	<1	<3	<100	86
MW80-20130219-PE 302335-10	<1	<1	<1	<3	<100	89
MW81-20130219-BA 302335-11	<1	<1	<1	<3	<100	89

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302335
Date Extracted: 02/25/13
Date Analyzed: 02/25/13 and 02/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW82-20130219-PE 302335-12	<1	<1	<1	<3	<100	85
MW100-20130219-PE 302335-13	<1	<1	<1	<3	<100	90
Method Blank 03-0328 MB	<1	<1	<1	<3	<100	118

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW100-20130219-PE	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302335-13
Date Analyzed:	02/26/13	Data File:	302335-13.038
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	I3-79 mb
Date Analyzed:	02/26/13	Data File:	I3-79 mb.065
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	91	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW100-20130219-PE	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302335-13
Date Analyzed:	02/26/13	Data File:	302335-13.010
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	I3-81 mb
Date Analyzed:	02/26/13	Data File:	I3-81 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	91	60	125

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

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302335

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: 302335-05 (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	96	72-119
Toluene	ug/L (ppb)	50	95	71-113
Ethylbenzene	ug/L (ppb)	50	97	72-114
Xylenes	ug/L (ppb)	150	95	72-113
Gasoline	ug/L (ppb)	1,000	92	70-119

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302335

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

Laboratory Code: 302313-01 (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	103	102	85-115	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	105	84-120

Date of Report: 02/28/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302335

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

Laboratory Code: 302335-13 (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	100	101	85-115	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	108	84-120

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.

302335

SAMPLE CHAIN OF CUSTODY FARMASONIS ME 02/22/13

Send Report To Dee Gardner / Suzy Stumpf
Company Sound Earth Strategies
Address 2811 Fairview Avenue East, Suite 2000
City, State, ZIP Seattle, WA 98102
Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): Camarda, Garrett, Nader, Iwasaki, Porter, Forbes

PROJECT NAME/NO.: TOC Holdings-Mountlake Terrace 0440-030-19 01-176

PO #

REMARKS: Dissolved Lead samples field filtered and preserved. Trip Blank - laboratory supplied TB-24225 (Gx, BTEX)-HOLD

GEMS Y / N

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

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	BTEX + MTBE by 8260C	Total Pb by 200.8	Dissolved Pb by 200.8		Notes
MW30-2012-02-19-BA	MW30		01 A-C	02/19/13	1630	Water	3		✓	✓						
MW39-2012-02-20-BA	MW39		02	02/20/13	1040	Water	3		✓	✓						
MW40-2012-02-20-BA	MW40		03	02/20/13	1045	Water	3		✓	✓						
MW54-2012-02-19-PE	MW54	10	04	02/19/13	1357	Water	3		✓	✓						
MW56-2012-02-19-BL	MW56	48	05	02/19/13	1420	Water	3		✓	✓						
MW58-2012-02-21-BL	MW58	44.5	06	02/21/13	1158	Water	3		✓	✓						
MW59-2012-02-19-BL	MW59	46.5	07	02/19/13	1530	Water	3		✓	✓						
MW66-2012-02-20-BA	MW66		08	02/20/13	1025	Water	3		✓	✓						
MW79-2012-02-19-PE	MW79	12	09	02/19/13	1455	Water	3		✓	✓						
MW80-2012-02-19-PE	MW80	24	10	02/19/13	1550	Water	3		✓	✓						
MW81-2012-02-19-BA	MW81		11	02/19/13	1128	Water	3		✓	✓						
MW82-2012-02-19-PE	MW82	28.5	12 ✓	02/19/13	1520	Water	3		✓	✓						
MW100-2012-02-19-PE	MW100	24	13 D-E	02/19/13	1646	Water	5		✓	✓			✓	✓		(ND)
TripBlank	—	—	14 A-B	—	—	water	2									added in lab 2/4

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Will Camarda	SES	2/22/13	1415
Received by:	Nhan Phan	FedEx	2/22/13	1415
Relinquished by:				
Received by:				

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

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 3 °C

Friedman & Bruya, Inc. #302336

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 4, 2013

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 February 22, 2013 from the TOC_01-176_20130222 WORFDB7, F&BI 302336 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: Suzy Stumpf
SOU0304R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20130222 WORFDB7, F&BI 302336 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
302336 -01	MW02-20130220-PE
302336 -02	MW03-20130220-PE
302336 -03	MW06-20130220-PE
302336 -04	MW09-20130220-PE
302336 -05	MW09-20130220-BL
302336 -06	MW09-20130220-BA
302336 -07	MW10-20130221-PE
302336 -08	MW19-20130221-PE
302336 -09	MW20-20130220-PE
302336 -10	MW20-20130220-PE2
302336 -11	MW22-20130221-PE
302336 -12	MW23-20130220-BA
302336 -13	MW25-20130221-PE
302336 -14	MW26-20130220-BA
302336 -15	MW28-20130220-PE
302336 -16	MW28-20130220-BA
302336 -17	MW33-20130220-BA
302336 -18	MW34-20130221-PE
302336 -19	MW35-20130220-BA
302336 -20	MW36-20130220-BA
302336 -21	MW37-20130221-PE
302336 -22	MW38-20130221-PE
302336 -23	MW99-20130220-PE
302336 -24	Trip Blank

All quality control requirements were acceptable.

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336
Date Extracted: 02/25/13
Date Analyzed: 02/25/13, 02/26/13, and 02/27/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW02-20130220-PE 302336-01	<1	<1	<1	<3	<100	100
MW03-20130220-PE 302336-02	<1	<1	<1	<3	<100	97
MW06-20130220-PE 302336-03	<1	<1	<1	<3	<100	102
MW09-20130220-PE 302336-04	<1	<1	7.0	74	460	107
MW09-20130220-BL 302336-05	<1	<1	5.8	59	270	106
MW09-20130220-BA 302336-06	<1	<1	28	140	1,200	111
MW10-20130221-PE 302336-07 1/5	5.5	14	8.7	110	620	102
MW19-20130221-PE 302336-08	<1	<1	<1	<3	<100	100
MW20-20130220-PE 302336-09 1/40	140	750	620	3,400	17,000	107
MW20-20130220-PE2 302336-10 1/40	140	760	610	3,300	17,000	106
MW22-20130221-PE 302336-11	<1	<1	<1	<3	<100	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336
Date Extracted: 02/25/13
Date Analyzed: 02/25/13, 02/26/13, and 02/27/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW23-20130220-BA 302336-12	<1	<1	<1	<3	<100	99
MW25-20130221-PE 302336-13	1.6	25	31	240	1,900	113
MW26-20130220-BA 302336-14	<1	<1	<1	<3	<100	101
MW28-20130220-PE 302336-15	<1	1.8	86	420	3,600	104
MW28-20130220-BA 302336-16	<1	1.7	51	330	3,500	103
MW33-20130220-BA 302336-17	2.0	1.2	9.3	120	2,700	113
MW34-20130221-PE 302336-18	<1	<1	<1	<3	<100	102
MW35-20130220-BA 302336-19	<1	<1	<1	<3	<100	102
MW36-20130220-BA 302336-20	<1	<1	<1	<3	<100	101
MW37-20130221-PE 302336-21	<1	<1	<1	<3	<100	99
MW38-20130221-PE 302336-22	<1	<1	<1	<3	<100	104

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336
Date Extracted: 02/25/13
Date Analyzed: 02/25/13, 02/26/13, and 02/27/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW99-20130220-PE 302336-23	<1	<1	6.1	65	420	107
Method Blank 03-0329 MB	<1	<1	<1	<3	<100	101
Method Blank 03-0330 MB	<1	<1	<1	<3	<100	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW35-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302336-19
Date Analyzed:	02/26/13	Data File:	302336-19.040
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration ug/L (ppb)
Lead	2.45

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	I3-79 mb
Date Analyzed:	02/26/13	Data File:	I3-79 mb.065
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	91	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW35-20130220-BA	Client:	SoundEarth Strategies
Date Received:	02/22/13	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	302336-19
Date Analyzed:	02/26/13	Data File:	302336-19.021
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130222 WORFDB7
Date Extracted:	02/25/13	Lab ID:	I3-81 mb
Date Analyzed:	02/26/13	Data File:	I3-81 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	91	60	125

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

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336

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

Laboratory Code: 302336-11 (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	93	72-122
Ethylbenzene	ug/L (ppb)	50	97	73-126
Xylenes	ug/L (ppb)	150	94	74-118
Gasoline	ug/L (ppb)	1,000	102	69-134

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336

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

Laboratory Code: 302336-21 (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	91	65-118
Toluene	ug/L (ppb)	50	90	72-122
Ethylbenzene	ug/L (ppb)	50	94	73-126
Xylenes	ug/L (ppb)	150	92	74-118
Gasoline	ug/L (ppb)	1,000	102	69-134

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336

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

Laboratory Code: 302313-01 (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	103	102	85-115	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	105	84-120

Date of Report: 03/04/13
Date Received: 02/22/13
Project: TOC_01-176_20130222 WORFDB7, F&BI 302336

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

Laboratory Code: 302335-13 (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	100	101	85-115	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	108	84-120

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.

302 336

SAMPLE CHAIN OF CUSTODY

TOC NE 02/22/13 VS/KL3

Send Report To Dee Gardner / Suzy Stumpf

Company Sound Earth Strategies

Address 2811 Fairview Avenue East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) Camarda, Garrett, Nador, Iwasaki, Porter, Forbes

PROJECT NAME/NO. TOC Holdings - Mountlake Terrace 0440-030-19 01-176

PO #

REMARKS Total and Dissolved Lead Samples were field filtered and preserved. Trip blanks - laboratory supplied TB-24205 (Gx, BTEX) - HOLD

GEMS Y / N

Page # 1 of 2

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	BTEX + MTBE	Total Pb by 200.8	Dissolved Pb by 200.8		Notes
MW02-20130220-PE	MW02	9.5	01 A-C	02/20/13	1020	Water	3		✓	✓						
MW03-20130220-PE	MW03	9.0	02	02/20/13	1103	Water	3		✓	✓						
MW06-20130220-PE	MW06	9.5	03	02/20/13	1305	Water	3		✓	✓						
MW09-20130220-PE	MW09	17	04	02/20/13	1354	Water	3		✓	✓						
MW09-20130220-BL	MW09	17	05	02/20/13	1232	Water	3		✓	✓						
MW09-20130220-BA	MW09		06	02/20/13	1645	Water	3		✓	✓						
MW10-20130221-PE	MW10	27	07	02/21/13	0954	Water	3		✓	✓						
MW19-20130221-PE	MW19	15	08	02/21/13	1040	Water	3		✓	✓						
MW20-20130220-PE	MW20	34	09	02/20/13	1449	Water	3		✓	✓						
MW20-20130220-PE2	MW20	34	10	02/20/13	1452	Water	3		✓	✓						
MW22-20130221-PE	MW22	27	11	02/21/13	1140	Water	3		✓	✓						
MW23-20130220-BA	MW23		12	02/20/13	1150	Water	3		✓	✓						
MW25-20130221-PE	MW25	27	13	02/21/13	1308	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:		Will Camarda	SES	2/22/13	1415
Received by:		Nhan Phan	FedEx	2/22/13	1415
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 3 °C

302336

SAMPLE CHAIN OF CUSTODY TOC

VS/NB

Page # 2 of 2

Send Report To Dee Gardner / Suzy Stumpf

Company Sound Earth Strategies

Address 2811 Fairview Avenue East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature): Camarda, Garrett, Nador, Iwasaki, Porter, Forbes

PROJECT NAME/NO.: TOC Holdings - Mountlake Terrace 0440-030-19 01-176

PO #:

REMARKS: Total & Dissolved Lead samples were field filtered and preserved. Trip Blank - Laboratory supplied TB-24205 (Gx, BTEX) - HOLD

GEMS Y / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	BTEX + MTBE	Total Pb by 200.8	Dissolved Pb by 200.8		Notes
MW26-20130220-BA	MW26		14 A-C	02/20/13	1650	Water	3		✓	✓						
MW28-20130220-PE	MW28	26.7	15	02/20/13	1320	Water	3		✓	✓						
MW28-20130220-BA	MW28		16	02/20/13	1420	Water	3		✓	✓			10	→	MW-28-20130220-BA	
MW33-20130220-BA	MW33		17	02/20/13	1418	Water	3		✓	✓			10	→	MW-33-20130220-BA	
MW34-20130221-PE	MW34	11	18	02/21/13	1343	Water	3		✓	✓					Per DG 02/01/13	
MW35-20130220-BA	MW35		19	02/20/13	1545	Water	5		✓	✓			✓	✓	(SW)	
MW36-20130220-BA	MW36		20	02/20/13	1422	Water	3		✓	✓						
MW37-20130221-PE	MW37	25.5	21	02/21/13	1008	Water	3		✓	✓						
MW38-20130221-PE	MW38	24	22	02/21/13	1058	Water	3		✓	✓						
MW999-20130220-PE	MW999	17	23	02/20/13	1357	Water	3		✓	✓						
TripBlank			24 A-B	—	—	water	2								Added to in lab (NP) 2/22	

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Will Camarda	SES	2/22/13	1415
Received by:	Nhan Phan	FEBI	2/22/13	1415
Relinquished by:				
Received by:				

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

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 3 °C

Friedman & Bruya, Inc. #302400

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 5, 2013

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 February 27, 2013 from the TOC_01-176_20130227 WORFDB7, F&BI 302400 project. There are 4 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: Audrey Hackett, Beau Johnson
SOU0305R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 27, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20130227 WORFDB7, F&BI 302400 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
302400 -01	01176-20130219-R1

All quality control requirements were acceptable.

Date of Report: 03/05/13
Date Received: 02/27/13
Project: TOC_01-176_20130227 WORFDB7, F&BI 302400
Date Extracted: 02/27/13
Date Analyzed: 02/27/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES USING METHOD 8021B

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Surrogate (% Recovery) Limit (52-124)
01176-20130219-R1 302400-01	<1	<1	<1	<3	101
Method Blank 03-0333 MB	<1	<1	<1	<3	99

Date of Report: 03/05/13
Date Received: 02/27/13
Project: TOC_01-176_20130227 WORFDB7, F&BI 302400

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES USING EPA METHOD 8021B

Laboratory Code: 302400-01 (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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	88	65-118
Toluene	ug/L (ppb)	50	88	72-122
Ethylbenzene	ug/L (ppb)	50	92	73-126
Xylenes	ug/L (ppb)	150	91	74-118

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.

302400

SAMPLE CHAIN OF CUSTODY

ME 02/27/13 VI

Send Report To DEE GARDNER

Company SOUNDEARTH STRATEGIES

Address 2811 FAIRVIEW AVE E

City, State, ZIP SEATTLE

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) DW

PROJECT NAME/NO. TDC HOLDINGS CO. FAC NO. 01-176

PO # 01-176

REMARKS

GEMS Y / (N)

Page # 1 of 1

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	RCRA-8 Metals			Notes
~~01-176~~																DW
01176-20130219-SS	OMBC	NA	01A-D	02.19.13	0910	W	4 DW			X						

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:	DW	DEE GARDNER	SOUNDEARTH	02.27.203	1050
Received by:		Nhan Phan	FEBT	2/27/13	1050
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 4 °C

Friedman & Bruya, Inc. #303012

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 13, 2013

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 1, 2013 from the TOC_01-176_20130301 WORFDB7, F&BI 303012 project. There are 40 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: Audrey Hackett, Beau Johnson
SOU0313R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 1, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-176_20130301 WORFDB7, F&BI 303012 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
303012 -01	MW11-20130228-PN
303012 -02	MW15-20130228-PN
303012 -03	MW18-20130228-PN
303012 -04	MW24-20130228-PN
303012 -05	MW27-20130228-PN
303012 -06	MW29-20130228-PN
303012 -07	MW31-20130228-PN
303012 -08	MW32-20130228-PN
303012 -09	MW41-20130228-PN
303012 -10	MW57-20130228-PN
303012 -11	MW69-20130228-PN
303012 -12	MW70-20130228-PN
303012 -13	MW84-20130228-PN
303012 -14	MW90-20130228-PN
303012 -15	MW91-20130228-PN
303012 -16	MW92-20130228-PN
303012 -17	MW93-20130228-PN
303012 -18	MW94-20130228-PN
303012 -19	MW95-20130228-PN
303012 -20	MW96-20130228-PN
303012 -21	MW97-20130228-PN
303012 -22	MW98-20130228-PN
303012 -23	MW98-20130228-PN2
303012 -24	MW99-20130228-PN
303012 -25	MW101-20130228-PN

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012
Date Extracted: 03/01/13
Date Analyzed: 03/01/13, 03/02/13, and 03/06/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW69-20130228-PN 303012-11 1/5	7,600	104
MW70-20130228-PN 303012-12	<100	89
MW84-20130228-PN 303012-13 1/5	4,700	101
MW95-20130228-PN 303012-19	<100	85
MW96-20130228-PN 303012-20	240	88
MW97-20130228-PN 303012-21	110	91
MW98-20130228-PN 303012-22	770	115
MW98-20130228-PN2 303012-23	810	123
MW99-20130228-PN 303012-24	<100	84
MW101-20130228-PN 303012-25	<100	86
Method Blank 03-0368 MB	<100	83
Method Blank 03-0369 MB	<100	84

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012
Date Extracted: 03/01/13
Date Analyzed: 03/01/13, 03/02/13, 03/05/13, and 03/06/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW11-20130228-PN 303012-01	14	85	92	4,200	7,800	99
MW15-20130228-PN 303012-02 1/5	3.6 j	<5	<5	44	790	92
MW18-20130228-PN 303012-03	3.3	47	73	1,000	4,200	97
MW24-20130228-PN 303012-04	<1	1.7	<1	40	1,000	93
MW27-20130228-PN 303012-05	<1	6.9	160	1,300	5,500	104
MW29-20130228-PN 303012-06	<1	50	<1	1,400	8,500	104
MW31-20130228-PN 303012-07	4.6	<1	19	45	2,000	100
MW32-20130228-PN 303012-08 1/20	23	210	1,000	7,000	28,000	94
MW57-20130228-PN 303012-10	25	10	<1	710	3,100	93
MW90-20130228-PN 303012-14 1/20	27	1,900	770	5,500	30,000	91
MW91-20130228-PN 303012-15 1/5	41	380	750	5,400	22,000	105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012
Date Extracted: 03/01/13
Date Analyzed: 03/01/13, 03/02/13, 03/05/13, and 03/06/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 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)
MW92-20130228-PN 303012-16	1.1	<1	<1	<3	<100	87
MW93-20130228-PN 303012-17	<1	<1	<1	<3	<100	87
MW94-20130228-PN 303012-18	8.9	1.1	<1	<3	<100	86
Method Blank 03-0368 MB	<1	<1	<1	<3	<100	87
Method Blank 03-0369 MB	<1	<1	<1	<3	<100	85

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW29-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-06
Date Analyzed:	03/04/13	Data File:	303012-06.045
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	8.79

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW31-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-07
Date Analyzed:	03/04/13	Data File:	303012-07.046
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	16.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW32-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-08
Date Analyzed:	03/04/13	Data File:	303012-08.047
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	101	60	125

Analyte:	Concentration ug/L (ppb)
Lead	9.37

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW41-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-09
Date Analyzed:	03/04/13	Data File:	303012-09.048
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	113	60	125

Analyte:	Concentration ug/L (ppb)
Lead	50.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW90-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-14
Date Analyzed:	03/04/13	Data File:	303012-14.049
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	1.19

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW91-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-15
Date Analyzed:	03/04/13	Data File:	303012-15.051
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	3.01

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW101-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-25
Date Analyzed:	03/04/13	Data File:	303012-25.059
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	102	60	125

Analyte:	Concentration ug/L (ppb)
Lead	20.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	I3-89 mb
Date Analyzed:	03/04/13	Data File:	I3-89 mb.057
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW29-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-06
Date Analyzed:	03/04/13	Data File:	303012-06.031
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	102	60	125

Analyte:	Concentration ug/L (ppb)
Lead	3.19

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW31-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-07
Date Analyzed:	03/04/13	Data File:	303012-07.034
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	100	60	125

Analyte:	Concentration ug/L (ppb)
Lead	9.28

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW32-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-08
Date Analyzed:	03/04/13	Data File:	303012-08.035
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	104	60	125

Analyte:	Concentration ug/L (ppb)
Lead	3.94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW90-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-14
Date Analyzed:	03/04/13	Data File:	303012-14.036
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	104	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW91-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-15
Date Analyzed:	03/04/13	Data File:	303012-15.037
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	102	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW101-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	303012-25
Date Analyzed:	03/04/13	Data File:	303012-25.038
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	1.45

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/04/13	Lab ID:	I3-93 mb
Date Analyzed:	03/04/13	Data File:	I3-93 mb.029
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW69-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/06/13	Lab ID:	303012-11rr
Date Analyzed:	03/06/13	Data File:	030612.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	1.5
Toluene	1.8
Ethylbenzene	130
m,p-Xylene	680 ve
o-Xylene	14

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW69-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-11 1/10
Date Analyzed:	03/04/13	Data File:	030408.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<10
Benzene	<3.5
Toluene	<10
Ethylbenzene	160
m,p-Xylene	950
o-Xylene	23

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW70-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-12
Date Analyzed:	03/01/13	Data File:	030118.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW84-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-13
Date Analyzed:	03/01/13	Data File:	030119.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	1.9
Toluene	2.0
Ethylbenzene	160 ve
m,p-Xylene	470 ve
o-Xylene	31

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW84-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-13 1/10
Date Analyzed:	03/04/13	Data File:	030409.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	110	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<10
Benzene	<3.5
Toluene	<10
Ethylbenzene	150
m,p-Xylene	520
o-Xylene	31

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW95-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-19
Date Analyzed:	03/01/13	Data File:	030120.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW96-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-20
Date Analyzed:	03/01/13	Data File:	030121.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	107	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	6.0
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	50
o-Xylene	4.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW97-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-21
Date Analyzed:	03/01/13	Data File:	030122.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	1.7
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW98-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-22
Date Analyzed:	03/01/13	Data File:	030123.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	7.6
Toluene	1.5
Ethylbenzene	13
m,p-Xylene	43
o-Xylene	1.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW98-20130228-PN2	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-23
Date Analyzed:	03/01/13	Data File:	030124.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	7.6
Toluene	1.5
Ethylbenzene	13
m,p-Xylene	42
o-Xylene	1.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW99-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-24
Date Analyzed:	03/01/13	Data File:	030125.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW101-20130228-PN	Client:	SoundEarth Strategies
Date Received:	03/01/13	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	303012-25
Date Analyzed:	03/01/13	Data File:	030126.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/01/13	Lab ID:	03-0346 mb
Date Analyzed:	03/01/13	Data File:	030115.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-176_20130301 WORFDB7
Date Extracted:	03/06/13	Lab ID:	03-0386 mb
Date Analyzed:	03/06/13	Data File:	030607.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012

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

Laboratory Code: 302371-17 (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	99	72-119
Toluene	ug/L (ppb)	50	97	71-113
Ethylbenzene	ug/L (ppb)	50	99	72-114
Xylenes	ug/L (ppb)	150	97	72-113
Gasoline	ug/L (ppb)	1,000	98	70-119

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	ug/L (ppb)	50	92	92	72-119	0
Toluene	ug/L (ppb)	50	92	91	71-113	1
Ethylbenzene	ug/L (ppb)	50	94	94	72-114	0
Xylenes	ug/L (ppb)	150	91	91	72-113	0
Gasoline	ug/L (ppb)	1,000	95	96	70-119	1

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012

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

Laboratory Code: 303012-25 (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	20.3	98 b	121 b	85-115	21 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	110	84-120

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012

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

Laboratory Code: 303012-06 (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	3.19	92 b	92 b	85-115	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	94	84-120

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012

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

Laboratory Code: 302331-19 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	74	73-123
Benzene	ug/L (ppb)	50	<0.35	71 vo	80-108
Toluene	ug/L (ppb)	50	<1	72 vo	74-116
Ethylbenzene	ug/L (ppb)	50	<1	71	71-120
m,p-Xylene	ug/L (ppb)	100	<2	70	64-128
o-Xylene	ug/L (ppb)	50	<1	71	66-129

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	103	102	76-122	1
Benzene	ug/L (ppb)	50	98	99	81-108	1
Toluene	ug/L (ppb)	50	101	101	83-108	0
Ethylbenzene	ug/L (ppb)	50	99	99	84-110	0
m,p-Xylene	ug/L (ppb)	100	98	97	84-112	1
o-Xylene	ug/L (ppb)	50	99	99	82-113	0

Date of Report: 03/13/13
Date Received: 03/01/13
Project: TOC_01-176_20130301 WORFDB7, F&BI 303012

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

Laboratory Code: 303054-12 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	98	73-123
Benzene	ug/L (ppb)	50	<0.35	94	80-108
Toluene	ug/L (ppb)	50	<1	98	74-116
Ethylbenzene	ug/L (ppb)	50	<1	95	71-120
m,p-Xylene	ug/L (ppb)	100	<2	94	64-128
o-Xylene	ug/L (ppb)	50	<1	95	66-129

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	99	99	76-122	0
Benzene	ug/L (ppb)	50	96	95	81-108	1
Toluene	ug/L (ppb)	50	98	97	83-108	1
Ethylbenzene	ug/L (ppb)	50	96	96	84-110	0
m,p-Xylene	ug/L (ppb)	100	94	95	84-112	1
o-Xylene	ug/L (ppb)	50	96	96	82-113	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.

303012

SAMPLE CHAIN OF CUSTODY

ME 03/01/13

BI4/V4

Page # 1 of 2

Send Report To Dee Gardner

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 200

City, State, ZIP Seattle, WA, 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co 01-176

PO #:

REMARKS: Only collected ½ bottle for sample MW41-20130228-PN

GEMS Y / N

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

SAMPLE DISPOSAL
X Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	MTBE	CVOC's by 8260C	RCRA-8 Metals	Dissolved Lead	Total Lead	
MW11-20130228-PN	MW11		01 A-C	2/28/13	1150	H20	3		x	x						
MW15-20130228-PN	MW15		02	2/28/13	1303	H20	3		x	x						
MW18-20130228-PN	MW18		03	2/28/13	1145	H20	3		x	x						
MW24-20130228-PN	MW24		04	2/28/13	1230	H20	3		x	x						
MW27-20130228-PN	MW27		05	2/28/13	1203	H20	3		x	x						
MW29-20130228-PN	MW29		06 A-E	2/28/13	1255	H20	5		x	x				x	x	
MW31-20130228-PN	MW31		07	2/28/13	1313	H20	5		x	x				x	x	
MW32-20130228-PN	MW32		08	2/28/13	1234	H20	5		x	x				x	x	
MW41-20130228-PN	MW41		09	2/28/13	1315	H20	1								x	
MW57-20130228-PN	MW57		10 A-C	2/28/13	1057	H20	3		x	x						
MW69-20130228-PN	MW69		11 A-D	2/28/13	1035	H20	4		x	x	x					
MW70-20130228-PN	MW70		12	2/28/13	1020	H20	4		x	x	x					
MW84-20130228-PN	MW84		13	2/28/13	1039	H20	4		x	x	x					

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:		David Mendel	SES	3/1/13	0850
Received by:		Nhan Phan	FEBI	3/1/13	0850
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 3 °C

303012

SAMPLE CHAIN OF CUSTODY HE 03/01/13

BT4 / V4

Page # 2 of 2

Send Report To Dee Gardner

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 200

City, State, ZIP Seattle, WA, 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co 01-176

PO #

REMARKS

GEMS Y / N

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

SAMPLE DISPOSAL
X Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	MTBE	CVOC's by 8260C	RCRA-8 Metals	Dissolved Lead	Total Lead	
MW90-20130228-PN	MW90		14A-E	2/28/13	1208	H20	5		x	x				x	x	
MW91-20130228-PN	MW91		15A-E	2/28/13	1219	H20	5		x	x				x	x	
MW92-20130228-PN	MW92		16A-C	2/28/13	1119	H20	3		x	x						
MW93-20130228-PN	MW93		17A-C	2/28/13	0940	H20	3		x	x						
MW94-20130228-PN	MW94		18A-C	2/28/13	1125	H20	3		x	x						
MW95-20130228-PN	MW95		19A-D	2/28/13	1046	H20	4		x	x	x					
MW96-20130228-PN	MW96		20	2/28/13	1051	H20	4		x	x	x					
MW97-20130228-PN	MW97		21	2/28/13	1026	H20	4		x	x	x					
MW98-20130228-PN	MW98		22	2/28/13	1030	H20	4		x	x	x					
MW98-20130228-PN2	MW98		23	2/28/13	1032	H20	4		x	x	x					
MW99-20130228-PN	MW99		24A-B	2/28/13	1007	H20	4		x	x	x					
MW101-20130228-PN	MW101		25A-F	2/28/13	1000	H20	6		x	x	x			x	x	

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:		David Mandel	SES	3/1/13	0850
Received by:		Nhan Phan	FEBI	3/1/13	0855
Relinquished by:					
Received by:					

Samples received at 3 °C