SoundEarth Strategies, Inc.
2811 Fairview Avenue East, Suite 2000
Seattle, Washington 98102

February 17, 2016

Mr. Mark Chandler
TOC Holdings Co.
2737 West Commodore Way
Seattle, Washington 98199

SUBJECT: VAPOR INSTRUSION ASSESSMENT
ASKO Hydraulic Property
2805 West Commodore Way
Seattle, Washington
Project Number: 0440-004

Dear Mr. Chandler:

SoundEarth Strategies, Inc. (SoundEarth) has prepared this letter report to provide the results of soil gas, indoor air, and outdoor air (also known as ambient air) sampling conducted at the ASKO Hydraulic Property located at 2805 West Commodore Way in Seattle, Washington (Figure 1). The ASKO Hydraulic Property is part of the Seattle Terminal Properties. The Seattle Terminal Properties include four real properties (King County Tax Parcel Numbers 112503-9050 [Bulk Terminal Property], 112503-9120 [East Waterfront Property], 423790-0405 [ASKO Hydraulic Property], and 112503-9081 [West Waterfront Property]), and one parcel leased from the Washington State Department of Natural Resources (DNR; King County Tax Parcel Number 112503-9113). The Seattle Terminal Properties are identified as the Bulk Terminal Property, East Waterfront Property, ASKO Hydraulic Property, West Waterfront Property, and the DNR Aquatic Lease Land Property.

TOC Holdings Co. (TOC) operated a petroleum bulk storage facility at the Seattle Terminal Properties between 1941 and October 2001. Operations included distribution of petroleum products, including gasoline and diesel, between transport ships, railroad tank cars, and trucks. Former features used at the ASKO Hydraulic Property as part of the petroleum bulk storage facility included two barreling sheds located on the southeast portion of the ASKO Hydraulic Property, five rail spurs, three aboveground storage tanks that reportedly stored waste and/or lube oil, and a warehouse that was formerly used as a vehicle maintenance facility. The ASKO Hydraulic Property is currently occupied by an office building, marine retail, machine shop, and warehouse space.

PURPOSE

The vapor intrusion assessment was conducted to evaluate whether the potential soil vapor pathway is complete for buildings located approximately 100 feet from the dissolved-phase trichloroethene (TCE) plume at the Seattle Terminal Properties. The vapor intrusion assessment was conducted in general accordance with SoundEarth's proposal, dated January 20, 2015; SoundEarth's Work Plan, dated April 9, 2015; and the Washington State Department of Ecology (Ecology) draft *Guidance for Evaluating Soil*

Vapor Intrusion in Washington State: Investigation and Remedial Action, dated October 2009 and updated in April 2015.

This letter report includes a detailed description of the vapor intrusion assessment, a summary of the results, and conclusions.

VAPOR INTRUSION ASSESSMENT

The vapor intrusion assessment was performed using a tier approach as recommended in Ecology's guidance, so that the assessment is conducted in a cost-effective manner. The vapor intrusion assessment included a preliminary assessment, a Tier 1 assessment, and a Tier 2 assessment. A summary of the assessments and associated results are presented below.

PRELIMINARY ASSESSMENT

The preliminary assessment was performed to identify whether the potential for vapor intrusion exists at a specific site at the ASKO Hydraulic Property, and if so, which buildings may be affected. Existing data from previous subsurface investigations and groundwater monitoring conducted at the ASKO Hydraulic Property indicated that TCE and several of its degradation compounds and total petroleum hydrocarbons (TPH) were detected in soil and groundwater exceeding Washington State Model Toxics Control Act (MTCA) cleanup levels as established in Chapter 340 of Title 173 of the Washington Administrative Code. A detailed summary of remedial investigations performed at the ASKO Hydraulic Property is described in the Remedial Investigation Report, dated May 23, 2014 (2014 RI Report). Figure 2 depicts the approximate location of dissolved-phase TCE in relation to buildings located on the Seattle Terminal Properties.

PRELIMINARY ASSESSMENT RESULTS

Concentrations of TCE and its degradation compounds and/or TPH were identified in soil and groundwater in the vicinity of the following buildings located on the Seattle Terminal Properties:

- Machine shop currently occupied by ASKO Industrial Repair, now known as ASKO Industrial Repair Machine Shop.
- Warehouse currently labeled and occupied by Marine Service & Supply (Marine Service & Supply Warehouse).
- Office currently occupied by Marine Service & Supply (Marine Service & Supply Office).
- Office building currently occupied by TOC Holdings Co. (TOC Headquarters Office Building) and located on the Bulk Terminal Property.

Additional assessment was recommended to further assess the potential for vapor intrusion at the four buildings.

TIER I ASSESSMENT

The Tier I Assessment was conducted to assess the concentrations of TCE and its degradation compounds and/or TPH in groundwater and soil gas that may act as potential sources of vapor intrusion at the four buildings. The Tier I Assessment included installation of soil gas points and collection of a soil

gas sample for comparison to Method B soil gas screening levels. In addition, groundwater analytical results from previous groundwater monitoring events performed for the ASKO Hydraulic Property were compared to Method B groundwater screening levels.

Soil gas sample points were installed to assess for potential concentrations of TCE and its degradation compounds and volatile petroleum compounds, including benzene, toluene, ethylbenzene, and total xylenes (BTEX), in soil gas in the vadose zone. Field activities for the Tier I Assessment were conducted on March 26, 27, and 31, 2015. Cascade Drilling, L.P. of Woodinville, Washington, performed the drilling and permanent soil gas point installation activities using a direct-push probe rig. Drilling and soil gas point installation activities were observed by a SoundEarth geologist. Prior to initiating field activities, a health and safety plan was prepared in accordance with MTCA and Part 1910.120 of Title 29 of the Code of Federal Regulations. In addition, a utility locate was performed at the proposed soil gas point locations using Applied Professional Services of North Bend, Washington, and contacting the Northwest Utility Notification Center.

Direct-push borings B367, B368, and B370 were continually sampled from the ground surface to the maximum depth explored of 5.5 feet below ground surface (bgs), using a 4-foot-long probe rod driven with a 140-pound-per-square-inch hydraulic hammer powered by pressurized hydraulic fluid (Figure 2). The sampler was lined with disposable polyvinyl chloride sleeves that were removed and opened to reveal the sample after each interval driven.

The soil samples were described in accordance with SoundEarth's *Standard Operating Procedure 005 – Soil Sampling.* Soil samples were screened in the field for potential evidence of contamination using visual observations, notations of odor, and by conducting headspace analysis using a photoionization detector (PID) to detect the presence of volatile organic vapors. Headspace analysis was conducted by placing soil from each sample interval into a resealable plastic bag and allowing the sample to warm for a minimum of 30 seconds. The probe of the PID was then inserted into the bag, and the highest reading obtained over an approximately 30-second interval was recorded. The Unified Soil Classification System symbol, visual and olfactory notations for the samples, and PID readings were recorded on boring log forms, which are provided in Attachment A. Soil samples were placed directly into laboratory-prepared sample containers for potential future analysis. The containers were placed in an iced cooler and transported for potential laboratory analysis to Friedman & Bruya, Inc. of Seattle, Washington. No soil samples were analyzed as part of this assessment.

SoundEarth's proposal stated that soil gas samples would be collected at least 5 feet bgs and above the capillary zone; however, due to shallow perched water encountered, the screened interval in borings B367 and B368 were placed from 4.5 to 5 and 4 to 4.5 feet bgs, respectively. The screened interval in boring B370 was 5 to 5.5 bgs. The borings were advanced at the following locations (Figure 2):

- Boring B367 was advanced to 5.5 feet bgs and located approximately 25 feet west of the midline of the TOC Headquarters Building, on the Bulk Terminal Property.
- Boring B368 was advanced to 5.5 feet bgs and located approximately 20 feet north of the northwest corner of the Marine Service & Supply Office.
- Boring B370 was advanced to 5.5 feet bgs and located approximately 25 feet south of the northeast corner of the AKSO Industrial Repair Machine Shop.

Borings B367, B368, and B370 were converted to soil gas sampling points. The soil gas points were constructed of 0.25-inch-diameter stainless steel casing, flush-threaded to 0.5 feet of stainless steel mesh. The bottom and top of each soil gas point were fitted with a threaded stainless steel bottom cap and a locking compression-fit well cap. The annulus of each soil gas point was filled with #2/12 silica sand to approximately 1 foot above the top of the screened interval. A bentonite seal of 2 feet was installed above the sand pack. The soil gas points were completed at the surface with a flush-mounted, traffic-rated well box set in concrete.

Generated soil cuttings were placed into appropriately labeled 55-gallon steel drums and transported to the designated staging area at the ASKO Hydraulic Property pending proper disposal to a permitted treatment, storage, and disposal facility.

SoundEarth collected a soil gas sample from soil gas point B370 (sample ID Soil Gas 03) on March 31, 2015. Soil gas sample collection was attempted at soil gas points B367 and B368; however, during sample collection water was observed in the sample train. Therefore, soil gas samples would not be representative of vadose zone conditions and no samples were collected.

Eurofins Air Toxics, Inc. (Eurofins) of Folsom, California provided a 6-liter, individually certified summa canister for soil gas sample collection. Teflon tubing from the summa canister was inserted into the locking compression-fit well cap of the soil gas point. As part of the soil gas sampling, SoundEarth placed an acrylic shroud over the sample train. Helium gas was then introduced into the sample train as a leak detection tracer compound to determine whether outdoor air was entering the sample train. Sample Soil Gas 03 was collected over a 45-minute period. Initial and final vacuum readings for the canister were recorded on the chain-of-custody form. Photographs of the soil gas sampling process are included in Attachment B.

The soil gas sample was submitted to Eurofins, under standard chain-of-custody protocols for laboratory analysis. The soil gas sample was analyzed for BTEX and chlorinated volatile organic compounds (CVOCs) by Modified EPA Method TO-15 GC/MS Full Scan and helium by modified ASTM D-1946.

TIER I ASSESSMENT RESULTS

Concentrations of TCE, cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride, and benzene in groundwater samples collected from monitoring wells in proximity to buildings located on the Seattle Terminal Properties exceeded the Method B groundwater screening levels (2014 RI Report).

Analytical results for the sample Soil Gas 03 collected in the vicinity of the ASKO Industrial Repair Machine Shop indicated the following:

- Concentrations of benzene, vinyl chloride, and 1,2-dichloroethane (1,2-DCA) exceeded the Method B soil gas screening levels.
- Concentrations of chloroethane, 1,1-DCA, toluene, ethylbenzene, and total xylenes were detected at concentrations above the laboratory reporting limits but below the Method B soil gas screening levels.
- Concentrations of tetrachloroethene (PCE), TCE, 1,1-DCE, trans-1,2-DCE, and 1,1,1-TCA were not detected above the laboratory reporting limit or the MTCA Method B soil gas screening levels.

- Helium concentrations were not detected above the laboratory reporting limits, indicating no leaks were present in the sample train.

Based on the results of the Tier 1 Assessment, groundwater and soil are a potential source of vapor intrusion for the ASKO Industrial Repair Machine Shop, Marine Service & Supply Office, Marine Service & Supply Warehouse, and TOC Headquarters Office Building located on the Bulk Terminal Property.

TIER II ASSESSMENT

The Tier II Assessment was conducted to further assess whether the potential sources of vapor intrusion are affecting indoor air. The Tier II Assessment included building surveys to search for the presence of materials that could potentially contribute to background concentrations of CVOCs and BTEX, collection of indoor air and outdoor air samples, and a review of barometric conditions during air sampling.

On March 31 and April 2, 2015, SoundEarth performed a site walk of the Marine Service & Supply Office, Marine Service & Supply Warehouse, and TOC Headquarters Office Building to review the proposed locations of the indoor air and outdoor air samples and perform a building survey. SoundEarth's observations included a review of current tenant operations; building and foundation construction; heating, ventilation, and air conditioning system (HVAC); potential indoor air sources of pollution; and location of the utilities (sewer, sumps, and cleanouts). The building survey results are included as Attachment C.

In 2014, a limited environmental audit, which included a building survey, was performed at the ASKO Industrial Repair Machine Shop. Additional information on industrial processes and chemicals used at the facility is provided in the Limited Environmental Audit, dated December 3, 2014. Indoor air sampling was not recommended for the ASKO Industrial Repair Machine Shop because the machine shop stores and uses volatile organic compound (VOC) products throughout the building as part of its standard business operations and sampling would cause a significant interruption to business operations involving the temporary removal all the VOC material from within the building.

The Marine Service & Supply Office consists of a 234-square-foot, double-wide trailer with an enclosed 2-foot high crawl space on a concrete slab. The building is currently occupied and used as an office for a marine supply company. The building contained general office supplies and equipment. Flares were noted beneath a desk in one of the offices. Ventilation was supplied by a forced air-unit located on the south side of the building.

The Marine Service & Supply Warehouse consists of a two-story, 7,200-square-foot, slab-on-grade building. The western portion of the building is located on the ASKO Hydraulic Property and the eastern portion of the building is located on the Bulk Terminal Property. The first story of the building is separated into two separate rooms. One of the rooms is used as a work and storage area containing miscellaneous paints and caulk, a work bench, and hand tools. The second room is used as the store for the marine supply company. The store generally contains clothing, safety equipment, metal fittings, galvanized and zinc-plated steel fittings, rope, paint and caulk, paint thinners, and degreasers. The second floor of the building is used as a work and storage area. The work area contains tools, including a machine cutter with cutting oil, a lathe, and a detergent defoamer. Rope and boat bumpers are stored on the second floor. The building is heated with electric heat.

The TOC Headquarters Office Building consists of a two-story, 13,662-square-foot, slab-on-grade office building. The first and second stories are divided into numerous offices, conference rooms, and file rooms. An HVAC system is located on the roof of the building and was operational.

On April 8, 2015, SoundEarth conducted a site visit and removed items from the Marine Service & Supply Office that could bias indoor air analytical results. Stained work clothing, carpet, window cleaners, and saturated fishing nets were removed from the building. In addition, the flares previously located in one of the offices had been removed.

On April 10, 2015, SoundEarth collected three indoor air samples and three outdoor air samples as part of the vapor intrusion assessment. The air samples were collected at the following locations (Figure 2):

- Indoor air sample IA01 was placed on a table in an office space of the TOC Headquarters Office Building on the Bulk Terminal Property, east of soil gas point B367.
- Indoor air sample IA02 was placed on a table located in the southwest portion of the Marine Service & Supply Office.
- Indoor air sample IA03 was placed on a counter top in the Marine Service & Supply Warehouse.
- Outdoor air sample OA01 was placed on a ladder located south (upwind) of the TOC Headquarters Office Building, on the Bulk Terminal Property.
- Outdoor air sample OA02 was placed on the HVAC intake on the roof of the TOC Headquarters Office Building.
- Outdoor air sample OA03 was collected adjacent to the forced air-unit located on the south side of the Marine Service & Supply Office.

Eurofins provided 6-liter, individually certified summa canisters for indoor and outdoor air sampling. The summa canisters for the indoor air samples were placed approximately 3 feet above ground surface and collected over an 8-hour period. The summa canisters for the outdoor air samples were placed approximately 5 feet above ground and/or roof surface and collected over a 9-hour period. Initial and final vacuum readings for each canister were recorded on the chain-of-custody form. Photographs of the sample collection process are included in Attachment B. The indoor and outdoor air samples were analyzed for BTEX and CVOCs by EPA Method Modified TO-15 GC/MS SIM.

TIER II ASSESSMENT RESULTS

Analytical results for the indoor and outdoor air samples collected as part of the Tier II assessment for the TOC Headquarters Office Building, Marine Service & Supply Office, and Marine Service & Supply Warehouse indicate the following:

- Concentrations of benzene exceeding the MTCA Method B indoor air cleanup level were detected in the three indoor air samples IA01, IA02, and IA03 and two of the outdoor air samples OA01 and OA03.
- Detections in the indoor air samples above the laboratory reporting limits but below the MTCA Method B indoor air cleanup levels included TCE, toluene, ethylbenzene, and total xylenes in

sample IA01; toluene and total xylenes in sample IA02; and PCE, vinyl chloride, toluene, ethylbenzene, and total xylenes in sample IA03.

- Detections in the outdoor air samples above the laboratory reporting limits but below the MTCA Method B indoor air cleanup levels included benzene in sample OA02, and toluene and total xylenes in the three outdoor air samples OA01, OA02, and OA03.
- The reporting limit for 1,2-DCA analyses exceeded the MTCA Method B indoor air cleanup level of 0.096 micrograms per cubic meter ($\mu g/m^3$) for the three indoor air and the three outdoor air samples.

SoundEarth reviewed the barometric pressure data for April 10, 2015, which indicated a falling barometric head. As stated in the Ecology's draft *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial* Action*,* indoor air sample collection is considered representative of worst case conditions when a building is depressurized or has a lower indoor pressure when compared to outdoor air or may also occur during periods of falling barometric pressure when indoor and outdoor pressures are less than the subsurface pressure. Therefore, the results of the air samples collected during the vapor intrusion assessment are representative of worst case conditions.

CONCLUSIONS

The results of the Tier I assessment indicate that the soil to vapor pathway is complete in the vicinity of the ASKO Industrial Repair Machine Shop; however, due to the active status of the machine shop, the chemicals used in daily operations, and the inability to isolate and remove the chemicals that could contribute to background indoor air contamination, it was not feasible to proceed to a Tier II assessment for the ASKO Industrial Repair Machine Shop.

To assist TOC Holdings Co. with a preliminary evaluation if worker health is potentially being impacted by soil gas present beneath the ASKO Industrial Repair Machine Shop, the soil gas sample results were compared to Occupational Safety and Health Administration (OSHA) permissible exposure limits (PELs), which are protective for employees working an 8-hour work shift of a 40-hour work week, and National Institute for Occupational Safety and Health (NIOSH) recommended exposure limits (RELs), which are protective for employees working 10-hour work shift of a 40-hour work week (Table 1). The PELs are an enforceable limit for specific chemical substances that employees cannot be exposed to over a specific period of time. NIOSH RELs are generally more stringent than OSHA PELs; however, they have not been adopted by OSHA and are not legally enforceable. Concentrations of benzene, vinyl chloride, and 1,2-DCA in sample Soil Gas 03 were below OSHA PELs and NIOSH RELs; therefore, it is not likely that the identified subsurface soil vapors located east of the building in the vicinity of sample Soil Gas 03 would affect industrial workers at the ASKO Industrial Repair Machine Shop, according to OSHA and NIOSH standards. Further assessment may be warranted to evaluate the worker health associated with the existing facility operations and potential sources of VOCs stored and used throughout the machine shop.

The Tier II Assessment results from indoor and outdoor air samples indicate that concentrations of benzene exceed the MTCA Method B indoor air cleanup level in indoor air and outdoor air. However, Ecology allows for indoor air measurements to be adjusted by subtracting outdoor air measurements taken upwind of the indoor air samples. After correcting the indoor air concentrations for benzene in

outdoor air measurements, the three indoor air samples were below MTCA Method B indoor air cleanup level.

Indoor air sample IA01 (TOC Headquarters Office Building) had a TCE concentration of 0.23 µg/m^3, which is below the MTCA Method B indoor air cleanup level of 0.37 µg/m^3. However, the EPA Region 10 has recommended a TCE screening levels of 0.21 µg/m^3 for residential indoor air and 0.88 µg/m^3 for commercial indoor air be used to be protective of short-term exposures to women of reproductive age. Because the TOC Headquarters Office Building is for commercial use, the TCE concentration of indoor air is below the recommended EPA screening level for commercial buildings. If land use were to change, additional investigation may be warranted.

Respectfully,

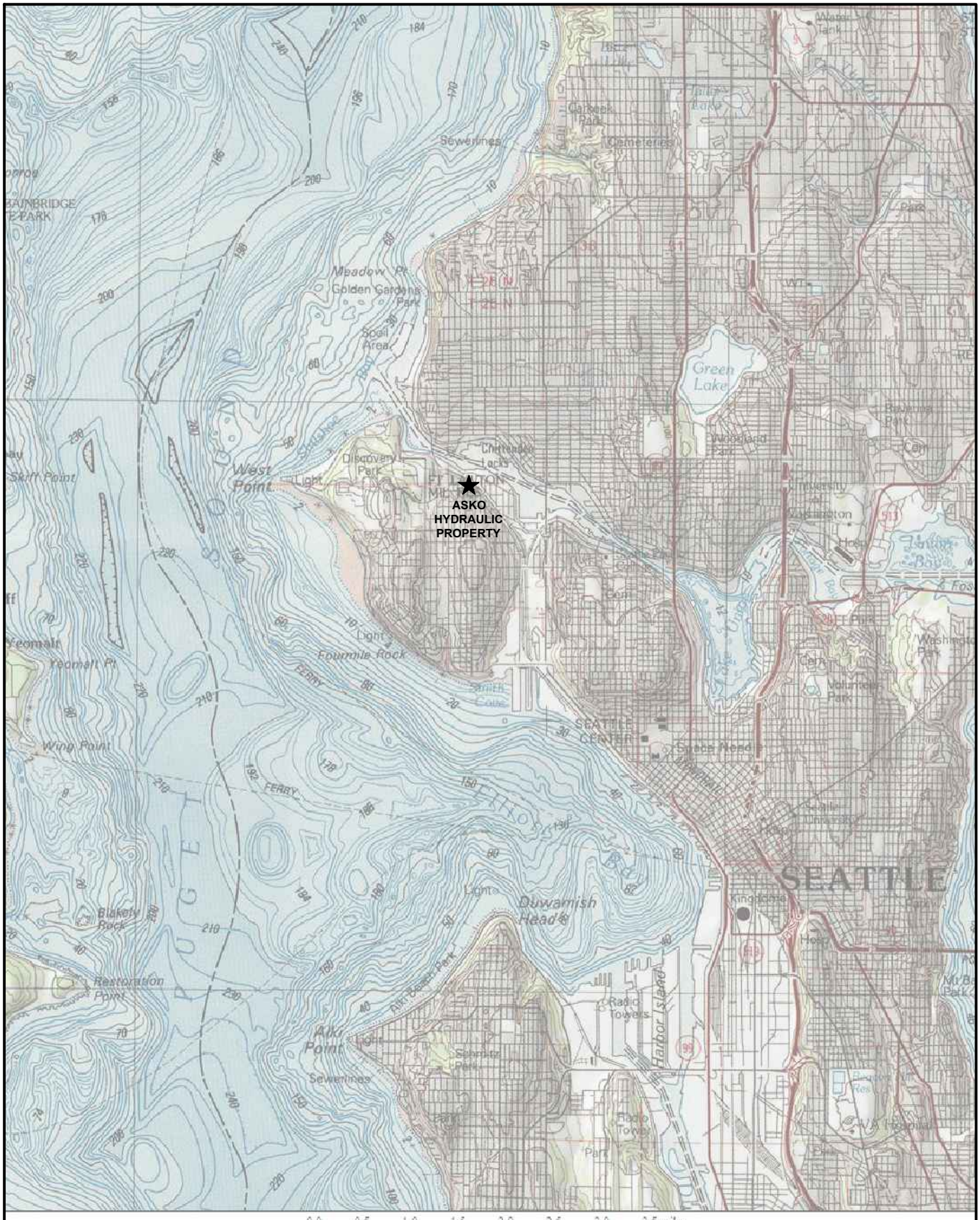
SoundEarth Strategies, Inc.

Timothy S. Brown, LHG
Senior Hydrogeologist

Peter Kingston, LG
Associate Geologist

Attachments:
Figure 1, Property Location Map
Figure 2, Soil Gas, Indoor Air, and Outdoor Air Sample Points
Figure 3, Soil Gas Sample Analytical Results
Figure 4, Indoor and Outdoor Air Sample Analytical Results
Table 1, Summary of Soil Gas Analytical Results for CVOCs and BTEX
Table 2, Summary of Indoor and Outdoor Air Analytical Results for CVOCs and BTEX
A, Boring Logs
B, Project Photographs
C, Building Survey Forms
D, Laboratory Analytical Reports
Eurofins/Air Toxics Report #1504062A
Eurofins/Air Toxics Report #1504062B
Eurofins/Air Toxics Report #1504205

FIGURES



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DATE: 05/13/14
DRAWN BY: NAC
CHECKED BY: PJK/TSB
CAD FILE: 0600_FIG1_VICINITY_ASKO

PROJECT NAME: ASKO HYDRAULIC PROPERTY
PROJECT NUMBER: 0440-004
STREET ADDRESS: 2805 WEST COMMODORE WAY
CITY, STATE: SEATTLE, WASHINGTON

FIGURE 1
PROPERTY LOCATION MAP

P:\0440 TOC HOLDINGS CO\01-600 SEATTLE TERMINAL\TECHNICAL\CAD\FIGURE 101-600_FIG1_VICINITY_ASKO_F.DWG

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P:\0440 TOC HOLDINGS CO\01-600 SEATTLE TERMINAL\TECHNICAL\CAD\2015\ASKO\VI SI\01-600_2015VISI_ASKO.DWG

WEST WATERFRONT PROPERTY

EAST WATERFRONT PROPERTY

WEST COMMODORE WAY

NORTH TRUNK SEWER

ASKO HYDRAULIC PROPERTY

BULK TERMINAL PROPERTY

BNSF PARCEL

BNSF RAILROAD

ASKO INDUSTRIAL REPAIR

PARKING LOT

SECOND LEVEL

STORAGE

SHED

OFFICE

TOC HOLDINGS CO. HEADQUARTERS OFFICE BUILDING

MARINE SERVICE & SUPPLY

STEEP SLOPE

STEEP SLOPE

APPROXIMATE EDGE OF SLOPE

B370/ SOIL GAS 03

INDOOR 01

INDOOR 02

INDOOR 03

OUTDOOR 01

OUTDOOR 02 (ROOF)

OUTDOOR 03

LEGEND

- PROPERTY BOUNDARY FOR THE SEATTLE TERMINAL PROPERTIES
- RETAINING WALL
- BNSF RAILROAD
- FORMER RAIL SPUR
- ABOVEGROUND STRUCTURE
- CONCRETE
- FORMER ABOVEGROUND STORAGE TANK
- FORMER UNDERGROUND STORAGE TANK
- BNSF — BURLINGTON NORTHERN SANTA FE RAILWAY COMPANY
- SB-45 — SOIL BORING (FOSTER WHEELER ENVIRONMENTAL CORPORATION 2001 PHASE II)
- SB-50 — SOIL BORING (FOSTER WHEELER ENVIRONMENTAL CORPORATION 2002)
- MW06 — SHALLOW ZONE MONITORING WELL
- 01MW57 — INTERMEDIATE ZONE MONITORING WELL
- 01MW65 — DEEP ZONE MONITORING WELL
- 01MW79 — PERCHED WATER MONITORING WELL
- 01MW69 — ANGLED MONITORING WELL
- B101 — SOIL BORING

- B370/ SOIL GAS 03 — SOIL GAS SAMPLE LOCATION
- INDOOR 01 — AIR SAMPLE LOCATION
- TCE — TRICHLOROETHENE
- (1,300) — TCE CONCENTRATION IN GROUNDWATER
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT
- < — RESULT BELOW LABORATORY REPORTING LIMIT
- ASL — ABOVE SEA LEVEL

TCE ISOCONCENTRATIONS IN SHALLOW WATER-BEARING ZONE FROM THE SECOND QUARTER 2013 GROUNDWATER MONITORING EVENT (SHOWN IN MICROGRAMS PER LITER)

- 5-50
- 50-500
- 500-5,000
- >5,000

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DATE: 4/21/15
DRAWN BY: JQC
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CAD FILE: 01-600_2015VISI_ASKO

PROJECT NAME: TOC HOLDINGS CO, ASKO HYDRAULIC PROPERTY
PROJECT NUMBER: 0440-004
STREET ADDRESS: 2805 WEST COMMODORE WAY
CITY, STATE: SEATTLE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 2
SOIL GAS, INDOOR AIR, AND OUTDOOR AIR SAMPLE POINTS

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P:\0440 TOC HOLDINGS CO\01-600 SEATTLE TERMINAL\TECHNICAL\CAD\2015\ASKO\VI SI\01-600_2015VISI_ASKO_SGS.DWG

Sample Location	Sample Date	Analytical Results (µg/m³) PCE	TCE	Chloroethane	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCA	1,2-DCA	1,1,1-TCA	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes
Soil Gas 03	03/31/15	<3.6	<2.9	12	<2.1	45	<2.1	6.3	19	<2.9	33	160	22	29	173
MTCA Method B Soil Gas Screening Levels		321	12.3	152,000	3,050	NE	NE	52.1	3.21	76,200	9.33	10.7	76,200	15,200	3,040

WEST WATERFRONT PROPERTY

EAST WATERFRONT PROPERTY

ASKO HYDRAULIC PROPERTY

BULK TERMINAL PROPERTY

BNSF PARCEL

WEST

NORTH TRUNK SEWER

SECOND LEVEL

PARKING LOT

ASKO INDUSTRIAL REPAIR

STORAGE

SHED

FORMER BARREL SHED

OFFICE

MARINE SERVICE & SUPPLY

TOC HOLDINGS CO. HEADQUARTERS OFFICE BUILDING

PARKING LOT

BNSF RAILROAD

STEEP SLOPE

STEEP SLOPE

APPROXIMATE EDGE OF SLOPE

B370/ SOIL GAS 03

INDOOR 01

INDOOR 02

INDOOR 03

OUTDOOR 01

OUTDOOR 02 (ROOF)

OUTDOOR 03

LEGEND

- PROPERTY BOUNDARY FOR THE SEATTLE TERMINAL PROPERTIES
- RETAINING WALL
- BNSF RAILROAD
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- 01MW69 — ANGLED MONITORING WELL
- B101 — SOIL BORING
- B370/ SOIL GAS 03 — SOIL GAS SAMPLE LOCATION
- INDOOR 01 — AIR SAMPLE LOCATION
- DCA — DICHLOROETHANE
- DCE — DICHLOROETHENE
- PCE — TETRACHLOROETHENE
- TCA — TRICHLOROETHANE
- TCE — TRICHLOROETHENE
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT
- NE — NOT ESTABLISHED
- < — NOT DETECTED AT A CONCENTRATION EXCEEDING THE LABORATORY REPORTING LIMIT
- RED — RED DENOTES CONCENTRATION EXCEEDS MTCA B SOIL GAS SCREENING LEVEL
- µg/m³ — MICROGRAMS PER CUBIC METER

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DATE: 4/21/15
DRAWN BY: JQC
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CAD FILE: 01-600_2015VISI_ASKO_SGS

PROJECT NAME: TOC HOLDINGS CO, ASKO HYDRAULIC PROPERTY
PROJECT NUMBER: 0440-004
STREET ADDRESS: 2805 WEST COMMODORE WAY
CITY, STATE: SEATTLE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 3
SOIL GAS SAMPLE ANALYTICAL RESULTS

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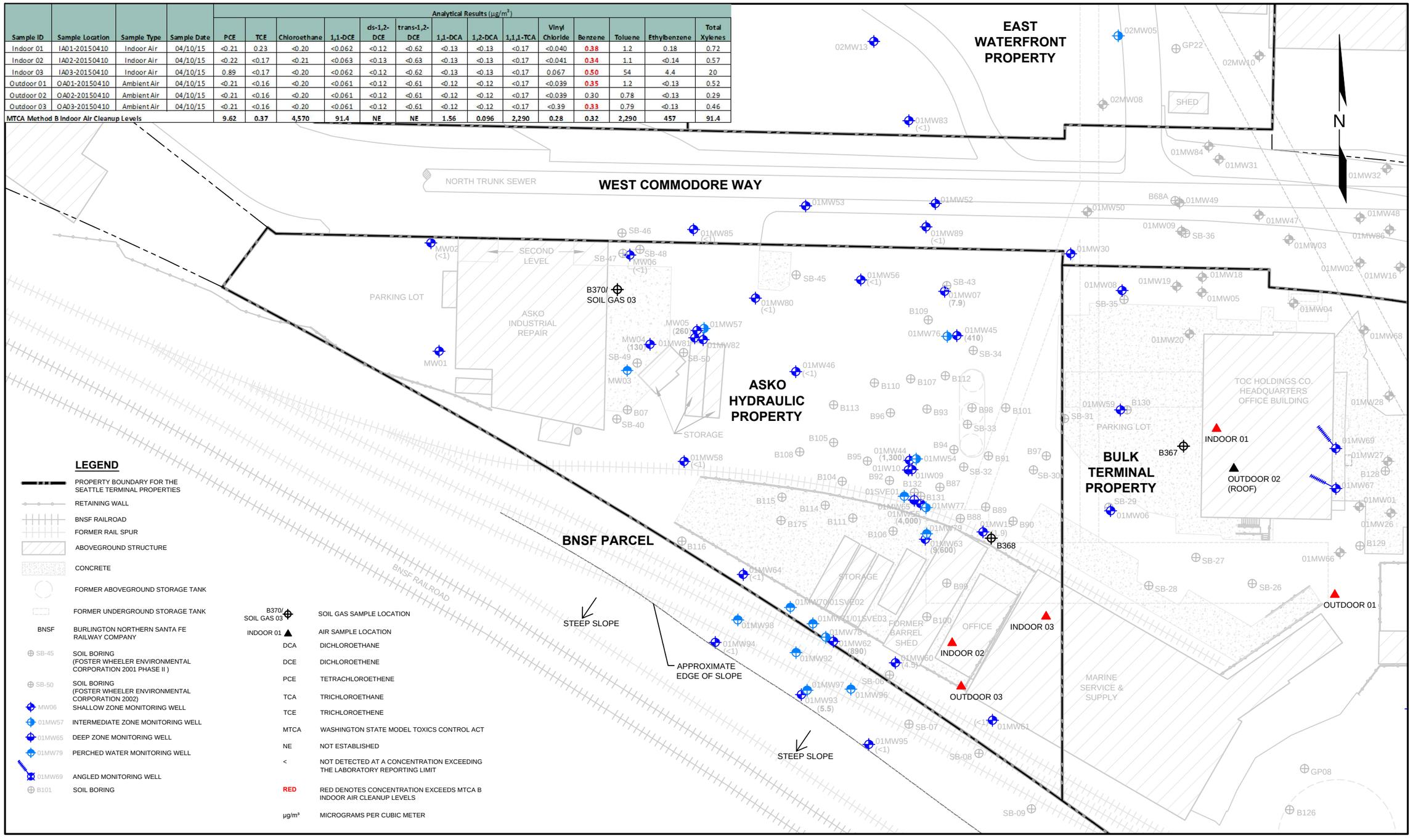
Sample ID	Sample Location	Sample Type	Sample Date	Analytical Results (µg/m³) PCE	TCE	Chloroethane	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCA	1,2-DCA	1,1,1-TCA	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes
Indoor 01	IA01-20150410	Indoor Air	04/10/15	<0.21	0.23	<0.20	<0.062	<0.12	<0.62	<0.13	<0.13	<0.17	<0.040	0.38	1.2	0.18	0.72
Indoor 02	IA02-20150410	Indoor Air	04/10/15	<0.22	<0.17	<0.21	<0.063	<0.13	<0.63	<0.13	<0.13	<0.17	<0.041	0.34	1.1	<0.14	0.57
Indoor 03	IA03-20150410	Indoor Air	04/10/15	0.89	<0.17	<0.20	<0.062	<0.12	<0.62	<0.13	<0.13	<0.17	0.067	0.50	54	4.4	20
Outdoor 01	OA01-20150410	Ambient Air	04/10/15	<0.21	<0.16	<0.20	<0.061	<0.12	<0.61	<0.12	<0.12	<0.17	<0.039	0.35	1.2	<0.13	0.52
Outdoor 02	OA02-20150410	Ambient Air	04/10/15	<0.21	<0.16	<0.20	<0.061	<0.12	<0.61	<0.12	<0.12	<0.17	<0.039	0.30	0.78	<0.13	0.29
Outdoor 03	OA03-20150410	Ambient Air	04/10/15	<0.21	<0.16	<0.20	<0.061	<0.12	<0.61	<0.12	<0.12	<0.17	<0.39	0.33	0.79	<0.13	0.46
MTCA Method B Indoor Air Cleanup Levels				**9.62**	**0.37**	**4,570**	**91.4**	**NE**	**NE**	**1.56**	**0.096**	**2,290**	**0.28**	**0.32**	**2,290**	**457**	**91.4**



LEGEND

- PROPERTY BOUNDARY FOR THE SEATTLE TERMINAL PROPERTIES
- RETAINING WALL
- BNSF RAILROAD
- FORMER RAIL SPUR
- ABOVEGROUND STRUCTURE
- CONCRETE
- FORMER ABOVEGROUND STORAGE TANK
- FORMER UNDERGROUND STORAGE TANK
- BNSF — BURLINGTON NORTHERN SANTA FE RAILWAY COMPANY
- SB-45 — SOIL BORING (FOSTER WHEELER ENVIRONMENTAL CORPORATION 2001 PHASE II)
- SB-50 — SOIL BORING (FOSTER WHEELER ENVIRONMENTAL CORPORATION 2002)
- MW06 — SHALLOW ZONE MONITORING WELL
- 01MW57 — INTERMEDIATE ZONE MONITORING WELL
- 01MW65 — DEEP ZONE MONITORING WELL
- 01MW79 — PERCHED WATER MONITORING WELL
- 01MW69 — ANGLED MONITORING WELL
- B101 — SOIL BORING

- B370/ SOIL GAS 03 — SOIL GAS SAMPLE LOCATION
- INDOOR 01 — AIR SAMPLE LOCATION
- DCA — DICHLOROETHANE
- DCE — DICHLOROETHENE
- PCE — TETRACHLOROETHENE
- TCA — TRICHLOROETHANE
- TCE — TRICHLOROETHENE
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT
- NE — NOT ESTABLISHED
- < — NOT DETECTED AT A CONCENTRATION EXCEEDING THE LABORATORY REPORTING LIMIT
- RED — RED DENOTES CONCENTRATION EXCEEDS MTCA B INDOOR AIR CLEANUP LEVELS
- µg/m³ — MICROGRAMS PER CUBIC METER

SoundEarth Strategies
WWW.SOUNDEARTHINC.COM

DATE: 4/21/15
DRAWN BY: JQC
CHECKED BY: PJK/SES
CAD FILE: 01-600_2015VISI_ASKO_AIR

PROJECT NAME: TOC HOLDINGS CO, ASKO HYDRAULIC PROPERTY
PROJECT NUMBER: 0440-004
STREET ADDRESS: 2805 WEST COMMODORE WAY
CITY, STATE: SEATTLE, WASHINGTON

REGION:

0 25 50 100
APPROXIMATE SCALE IN FEET

FIGURE 4
INDOOR AND OUTDOOR AIR SAMPLE ANALYTICAL RESULTS

10/23/2015
P:\0440 TOC HOLDINGS CO\01-600 SEATTLE TERMINAL\TECHNICAL\CAD\2015\ASKO\VI SI\01-600_2015VISI_ASKO_AIR.DWG
SOUNDEARTHINC.COM

TABLES

Table 1
Summary of Soil Gas Analytical Results for CVOCs and BTEX
TOC Holdings Co.
ASKO Hydraulic Property
2805 West Commodore Way
Seattle, Washington

Sample Name	Sample Location	Sampled By	Sample Type	Sample Date	Analytical Results[1] (µg/m^3)														
					PCE	TCE	Chloroethane	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCA	1,2-DCA	1,1,1-TCA	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes	Helium[2] (%)
ASKO_SOILGAS_03_20150331	Boring B370	SoundEarth	Soil Gas	03/31/15	<3.6	<2.9	12	<2.1	45	<2.1	6.3	19	<2.9	33	160	22	29	173	<0.080
MTCA Method B Soil Gas Screening Levels					**321**[3]	**12.3**[3]	**152,000**[4]	**3,050**[4]	**NE**	**NE**	**52.1**[3]	**3.21**[3]	**76,200**[4]	**9.33**[3]	**10.7**[3]	**76,200**[4]	**15,200**[4]	**3,040**[4]	**NE**
NIOSH TWA[5]					**NE**	**NE**	**NE**	**NE**	**790,000**[6]	**790,000**[6]	**400,000**	**4,000**	**54,600**	**NE**	**319**	**375,000**	**435,000**	**434,000**	**NE**
OSHA TWA[7]					**678,000**	**537,000**	**2,600,000**	**NE**	**790,000**[6]	**790,000**[6]	**400,000**	**202,500**	**54,600**	**2,500**	**3,190**	**560,000**	**435,000**	**434,000**	**NE**

NOTES:

Sample analysis performed by Eurofins Air Toxics, Inc. of Folsom, California.

Red denotes concentration exceeds MTCA Method B Soil Gas Screening Level.

[1]Analyzed by EPA Method Modified TO-15 GC/MS Full Scan.

[2]Analyzed by Modified ASTM D-1946.

[3]MTCA Method B Sub-Slab Soil Gas Screening Levels, Cancer, Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State, October 2009 and updated in April 2015.

[4]MTCA Method B Sub-Slab Soil Gas Screening Levels, Noncancer, Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State, October 2009 and updated in April 2015.

[5]NIOSH 10-hour work day for a 40-hour work week TWA PEL , NIOSH Pocket Guide to Chemical Hazards, September 2007.

[6]PEL for total 1,2-DCE, guidebook does not separate isomers.

[7]OSHA 8-hour work day for a 40-hour work week TWA PEL , NIOSH Pocket Guide to Chemical Hazards, September 2007.

< = not detected at a concentration exceeding the laboratory reporting limit

µg/m^3 = micrograms per cubic meter

ASTM = American Society for Testing and Materials

BTEX = benzene, toluene, ethylbenzene, and total xylenes

CVOC = chlorinated volatile organic compound

DCA = dichloroethane

DCE = dichloroethene

EPA = U.S. Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

NE = not established

NIOSH = National Institute for Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

PCE = tetrachloroethene

PEL = Permissable Exposure Limit

SoundEarth = SoundEarth Strategies, Inc.

TCA = trichloroethane

TCE = trichloroethene

TWA = time-weighted average

Table 2
Summary of Indoor and Outdoor Air Analytical Results for CVOCs and BTEX
TOC Holdings Co.
ASKO Hydraulic Property
2805 West Commodore Way
Seattle, Washington

Sample ID	Sample Name	Sample Location	Sampled By	Sample Type	Sample Date	Analytical Results[1] (µg/m^3)													
						PCE	TCE	Chloroethane	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCA	1,2-DCA	1,1,1-TCA	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes
Indoor 01	IA01-20150410	TOC HQ Building	SoundEarth	Indoor Air (8-hour)	04/10/15	<0.21	0.23	<0.20	<0.062	<0.12	<0.62	<0.13	**<0.13**	<0.17	<0.040	**0.38**	1.2	0.18	0.72
Indoor 02	IA02-20150410	Marine Service & Supply Office	SoundEarth		04/10/15	<0.22	<0.17	<0.21	<0.063	<0.13	<0.63	<0.13	**<0.13**	<0.17	<0.041	**0.34**	1.1	<0.14	0.57
Indoor 03	IA03-20150410	Marine Service & Supply Warehouse	SoundEarth		04/10/15	0.89	<0.17	<0.20	<0.062	<0.12	<0.62	<0.13	**<0.13**	<0.17	0.067	**0.50**	54	4.4	20
Outdoor 01	OA01-20150410	South of TOC HQ Building	SoundEarth	Outdoor Air (9-hour)	04/10/15	<0.21	<0.16	<0.20	<0.061	<0.12	<0.61	<0.12	**<0.12**	<0.17	<0.039	**0.35**	1.2	<0.13	0.52
Outdoor 02	OA02-20150410	TOC HQ Building - HVAC Intake	SoundEarth		04/10/15	<0.21	<0.16	<0.20	<0.061	<0.12	<0.61	<0.12	**<0.12**	<0.17	<0.039	0.30	0.78	<0.13	0.29
Outdoor 03	OA03-20150410	Marine Service & Supply Building - HVAC Intake	SoundEarth		04/10/15	<0.21	<0.16	<0.20	<0.061	<0.12	<0.61	<0.12	**<0.12**	<0.17	<0.039	**0.33**	0.79	<0.13	0.46[J]
MTCA Method B Indoor Air Cleanup Levels						**9.62**[2]	**0.37**[2]	**4,570**[3]	**91.4**[3]	**NE**	**NE**	**1.56**[2]	**0.096**[2]	**2,290**[3]	**0.28**[2]	**0.32**[2]	**2,290**[3]	**457**[3]	**91.4**[3]
NIOSH TWA[4]						**NE**	**NE**	**NE**	**NE**	**790,000**[5]	**790,000**[5]	**400,000**	**4,000**	**54,600**	**NE**	**319**	**375,000**	**435,000**	**434,000**
OSHA TWA[6]						**678,000**	**537,000**	**2,600,000**	**NE**	**790,000**[5]	**790,000**[5]	**400,000**	**202,500**	**54,600**	**2,500**	**3,190**	**560,000**	**435,000**	**434,000**

NOTES:
Sample analysis performed by Eurofins Air Toxics, Inc. of Folsom, California.
Bold denotes the concentration is below the laboratory detection limit, but exceeds the MTCA Method B Indoor Air Cleanup Levels.
Red denotes concentration exceeds MTCA Method B Indoor Air Cleanup Levels.
[1]Analyzed by EPA Method Modified TO-15 GC/MS SIM.
[2]MTCA Method B Indoor Air Cleanup Levels, Cancer, Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State, October 2009 and updated in April 2015.
[3]MTCA Method B Indoor Air Cleanup Levels, Noncancer, Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State, October 2009 and updated in April 2015.
[4]NIOSH 10-hour work day for a 40-hour work week TWA REL , NIOSH Pocket Guide to Chemical Hazards, September 2007.
[5]PEL for total 1,2-DCE, guidebook does not separate isomers.
[6]OSHA 8-hour work day for a 40-hour work week TWA PEL , NIOSH Pocket Guide to Chemical Hazards, September 2007.

Laboratory Note:
[J]Estimated value (o-Xylene only).

< = not detected at a concentration exceeding the laboratory reporting limit
µg/m^3 = micrograms per cubic meter
BTEX = benzene, toluene, ethylbenzene, and total xylenes
CVOC = chlorinated volatile organic compound
DCA = Dichloroethane
DCE = Dichloroethene
EPA = U.S. Environmental Protection Agency
HQ = Headquarters
HVAC = heating, ventilating, and air conditioning
MTCA = Washington State Model Toxics Control Act
NE = not established
NIOSH = National Institute for Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
PCE = tetrachloroethene
PEL = Permissable Exposure Limit
SoundEarth = SoundEarth Strategies, Inc.
TCA = trichloroethane
TCE = trichloroethene
TOC = TOC Holdings Co.
TWA = time-weighted average

ATTACHMENT A
BORING LOGS

SoundEarth Strategies

Project: TOC Holdings Co. - ASKO
Project Number: 0440-004-38
Logged by: JSL
Date Started: 3/26/15
Surface Conditions: Concrete
Well Location N/S: 38' N of SW corner of TOC HQ Building
Well Location E/W: 10' W of SW corner of TOC HQ Building
Reviewed by: PJK
Date Completed: 3/26/15

BORING LOG | B367

Site Address: 2805 West Commodore Way, Seattle, Washington

Water Depth At Time of Drilling -- feet bgs

Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		**0.5' of concrete.**	
				108.6	B367-02			**Hand cleared to 1.5' bgs with a post hole digger. Moist, silty fine SAND with trace fine gravel, brown to gray, moderate hydrocarbon odor (20-75-5).**	
								2" by 4" piece of lumber encountered at 1' bgs. Moist, silty fine SAND with trace fine gravel, gray to brown, moderate hydrocarbon odor (25-70-5).	
			100			SM			
								Moist, silty fine SAND with trace fine gravel, gray to brown, faint hydrocarbon odor (25-70-5).	
5				1.6	B367-05.5			**Moist, silty fine SAND, gray, no hydrocarbon odor (40-60-0).**	
								Boring terminated at 5.5' bgs.	
10									
15									

Drilling Co./Driller:	Cascade/Frank		**Well/Auger Diameter:**	2	inches	**Notes/Comments:**
Drilling Equipment:	Pushprobe		**Well Screened Interval:**	4.5 to 5	feet bgs	Moderate hydrocarbon odor encountered from 0.5 to 3.5' bgs and faint hydrocarbon odor from 3.5 to 4.5' bgs.
Sampler Type:	Core Barrel		**Screen Slot Size:**	Mesh	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#2/12 Sand		
Total Boring Depth:	5.5	feet bgs	**Surface Seal:**	Cement		
Total Well Depth:	5	feet bgs	**Annular Seal:**	Bentonite		
State Well ID No.:	BJA 721		**Monument Type:**	Flushmount		

SoundEarth Strategies

Project:	TOC Holdings Co. - ASKO
Project Number:	0440-004-38
Logged by:	JSL
Date Started:	3/26/15
Surface Conditions:	Concrete
Well Location N/S:	12' S of SW corner of TOC HQ Building
Well Location E/W:	112' W of SW corner of TOC HQ Building
Reviewed by:	PJK
Date Completed:	3/26/15

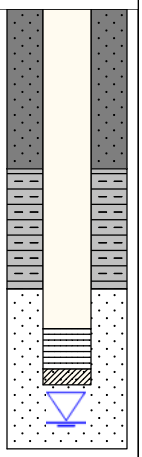
BORING LOG B368

Site Address: 2805 West Commodore Way
Seattle, Washington

Water Depth At Time of Drilling: 5 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		**0.75' of concrete.**	
				394	B368-02			**Moist, silty SAND with some fine gravel, brown, no hydrocarbon odor (20-65-15).**	
								Moist, silty SAND with trace fine gravel, light brown to gray, moderate hydrocarbon odor (30-65-5).	
			90			SM		**Moist, silty SAND, light brown, faint hydrocarbon odor (30-70-0).**	
5				1.9	B368-05.5			**Wet, silty SAND, gray, no hydrocarbon odor (30-70-0).**	
								Boring terminated at 5.5' bgs.	
10									
15									



Drilling Co./Driller:	Cascade/Frank		**Well/Auger Diameter:**	2	inches	**Notes/Comments:**
Drilling Equipment:	Pushprobe		**Well Screened Interval:**	4 to 4.5	feet bgs	Moderate hydrocarbon odor encountered from 1.5 to 3' bgs and faint hydrocarbon odor from 3 to 5' bgs.
Sampler Type:	Core Barrel		**Screen Slot Size:**	Mesh	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#2/12 Sand		
Total Boring Depth:	5.5	feet bgs	**Surface Seal:**	Cement		
Total Well Depth:	4.5	feet bgs	**Annular Seal:**	Bentonite		
State Well ID No.:	BJA 722		**Monument Type:**	Flushmount		

SoundEarth Strategies

Project: TOC Holdings Co. - ASKO
Project Number: 0440-004-38
Logged by: JSL
Date Started: 3/27/15
Surface Conditions: Concrete
Well Location N/S: 26' S of NE corner of TOC HQ building
Well Location E/W: 6.5' E of NE corner of TOC HQ building
Reviewed by: PJK
Date Completed: 3/27/15

BORING LOG B370

Site Address: 2805 West Commodore Way
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		**0.75' of concrete.**	
								Hand cleared with a post hole digger to 1.25' bgs. Moist, fine gravelly SAND with some silt, brown, no hydrocarbon odor (15-55-30).	
								Asphalt	
				365.0	B370-02			**Moist, fine gravelly SAND with some silt, gray to brown, scattered wood fragments, moderate hydrocarbon odor (15-55-30).**	
						SM		**Moist, silty fine SAND, blue gray, no hydrocarbon odor (40-60-0).**	
			90					**Moist, silty fine SAND, dark brown, numerous rootlets, faint organic odor (30-70-0).**	
5				2.5	B370-05.5	SP		**Moist, fine SAND with some silt, gray, no hydrocarbon odor (10-90-0).**	
								Boring terminated at 5.5' bgs.	
10									
15									

Drilling Co./Driller:	Cascade/Frank		**Well/Auger Diameter:**	2	inches	**Notes/Comments:**
Drilling Equipment:	Pushprobe		**Well Screened Interval:**	5 to 5.5	feet bgs	Moderate hydrocarbon odor encountered from 1.5 to 2.5' bgs.
Sampler Type:	Core Barrel		**Screen Slot Size:**	Mesh	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#2/12 Sand		
Total Boring Depth:	5.5	feet bgs	**Surface Seal:**	Cement		
Total Well Depth:	5.5	feet bgs	**Annular Seal:**	Bentonite		
State Well ID No.:	BJA 724		**Monument Type:**	Flushmount		

ATTACHMENT B
PROJECT PHOTOGRAPHS

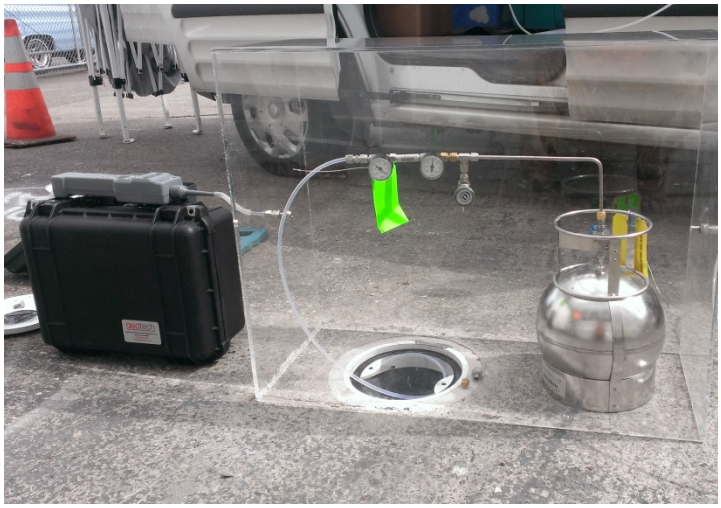
PROPERTY PHOTOGRAPHS
ASKO Hydraulic Property
2805 West Commodore Way
Seattle, Washington

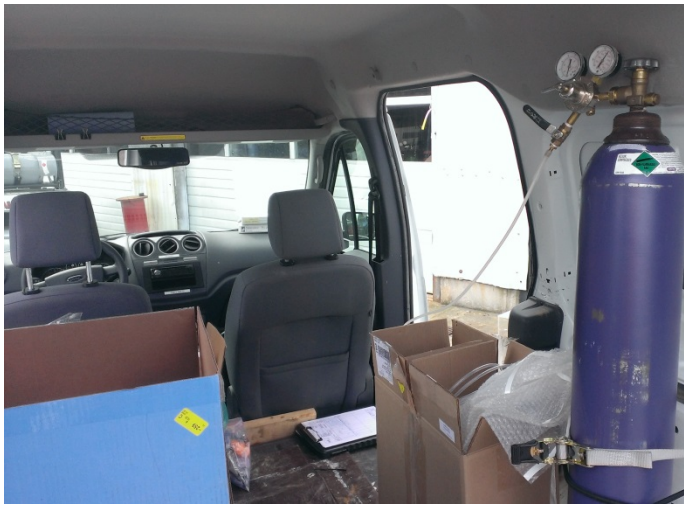
Project No.:	0440-004-38
Date:	February 17, 2016
Drawn By:	JAC
Chk By:	PJK

Photograph 1. Installing soil gas point B370.


Photograph 2. Soil sample collection.

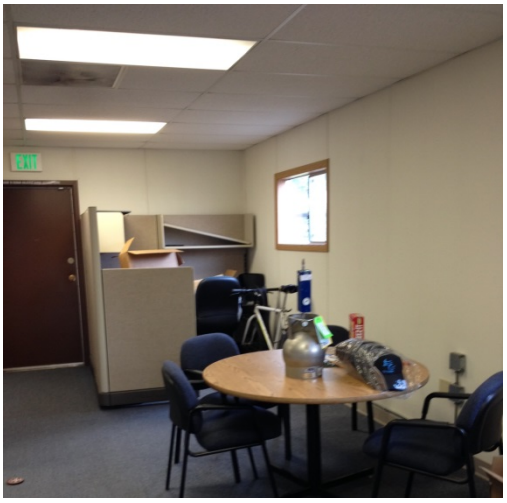

Photograph 3. Setting up soil gas sample Soil Gas 03.


Photograph 4. Sample train for soil gas sample Soil Gas 03.


Photograph 5. Helium gas introduced to sample train as a leak detection tracer compound.

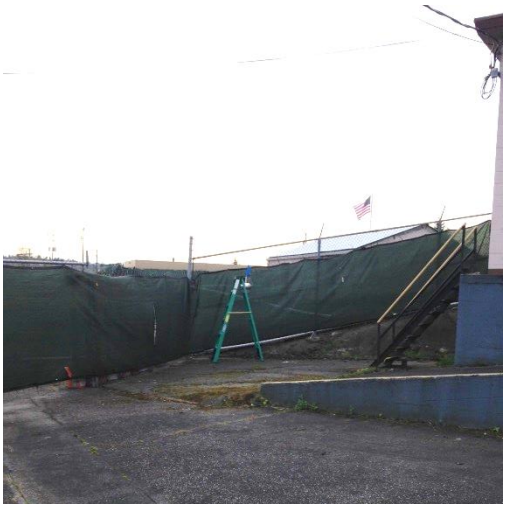
Photograph 6. Flow controller on summa canister used for collecting integrated air samples.

Photograph 7. Indoor Air Sample 01, placed in an office space inside the TOC Headquarters Office Building.



Photograph 8. Indoor Air Sample 02, placed in the southwest portion of the Marine Service & Supply Office.

Photograph 9. Indoor Air Sample 03, placed in the north corner of the Marine Service & Supply Warehouse.



Photograph 10. Outdoor Air Sample 01, placed south of the TOC Headquarters Office Building.

Photograph 11. Outdoor Air Sample 02, on the HVAC intake on roof of TOC Headquarters Office Building.

Photograph 12. Outdoor Air Sample 03, adjacent to Marine Service & Supply Office HVAC intake.

ATTACHMENT C
BUILDING SURVEY FORMS

APPENDIX L - BUILDING SURVEY FORM

Preparer's Name: Suzy Stumpf Date/Time Prepared: 3/31/15 @ 1500
Affiliation: SoundEarth / Owner's Rep. Phone Number: _____

Occupant Information

Occupant Name: Marine Service Supply Office Interviewed: ☐ Yes ☐ No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Owner/Landlord Information (Check if same as occupant ☐)

Occupant Name: TOC HOLDINGS Interviewed: ☐ Yes ☐ No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Building Type (Check appropriate boxes)

☐ Residential ☐ Residential Duplex ☐ Apartment Building ☐ Mobile Home ☒ Commercial (office)
☐ Commercial (warehouse) ☐ Industrial ☐ Strip Mall ☐ Split Level ☐ Church ☐ School

Building Characteristics

Approximate Building Age (years): _____ Number of Stories: 1
Approximate Building Area (square feet): _____ Number of Elevators: _____

Foundation Type (Check appropriate boxes) - double wide trailer with enclosed crawl space on concrete slab over ___ ft dirt
☐ Slab-on-Grade ☒ Crawl Space ☐ Basement - trailer sitting on cinder blocks

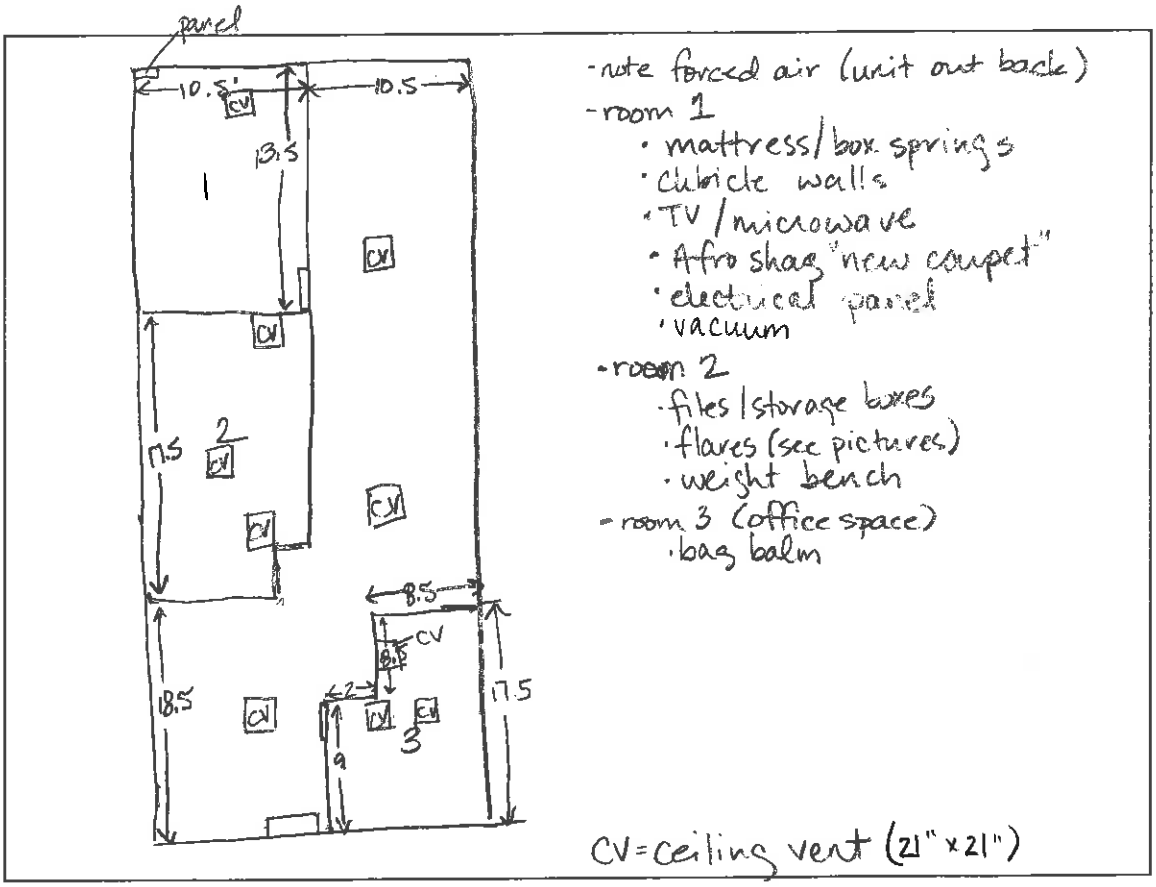
Basement Characteristics (Check appropriate boxes) - crawl space 2' high
☐ Dirt Floor ☐ Sealed ☐ Wet Surfaces ☐ Sump Pump ☐ Concrete Cracks ☐ Floor Drains

Factors Influencing Indoor Air Quality

Is there an attached garage?	☐ Yes ☒ No	
Is there smoking in the building?	☐ Yes ☒ No	
Is there new carpet or furniture? – old carpet	☐ Yes ☒ No	Describe: matress/carpet
Have clothes or drapes been recently dry cleaned?	☐ Yes ☐ No	Describe: _____
Has painting or staining been done with the last six months?	☐ Yes ☒ No	Describe: _____
Has the building been recently remodeled?	☐ Yes ☒ No	Describe: _____
Has the building ever had a fire?	☐ Yes ☒ No	
Is there a hobby or craft area in the building?	☐ Yes ☒ No	Describe: _____
Is gun cleaner stored in the building?	☐ Yes ☒ No	
Is there a fuel oil tank on the property?	☐ Yes ☐ No	
Is there a septic tank on the property?	☐ Yes ☐ No	
Has the building been fumigated or sprayed for pests recently?	☐ Yes ☒ No	Describe: _____
Do any building occupants use solvents at work?	☐ Yes ☒ No	Describe: _____

Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.



Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☐ Electricity ☐ Wood ☐ Kerosene

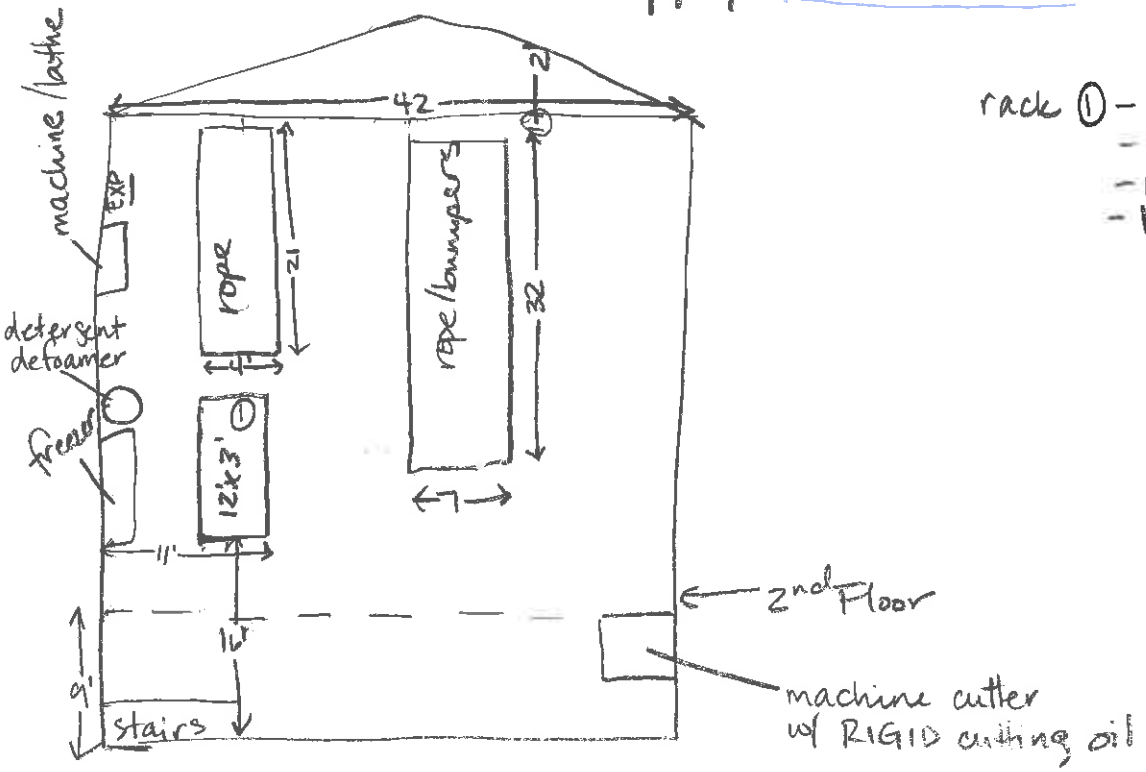
Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments (HVAC system)

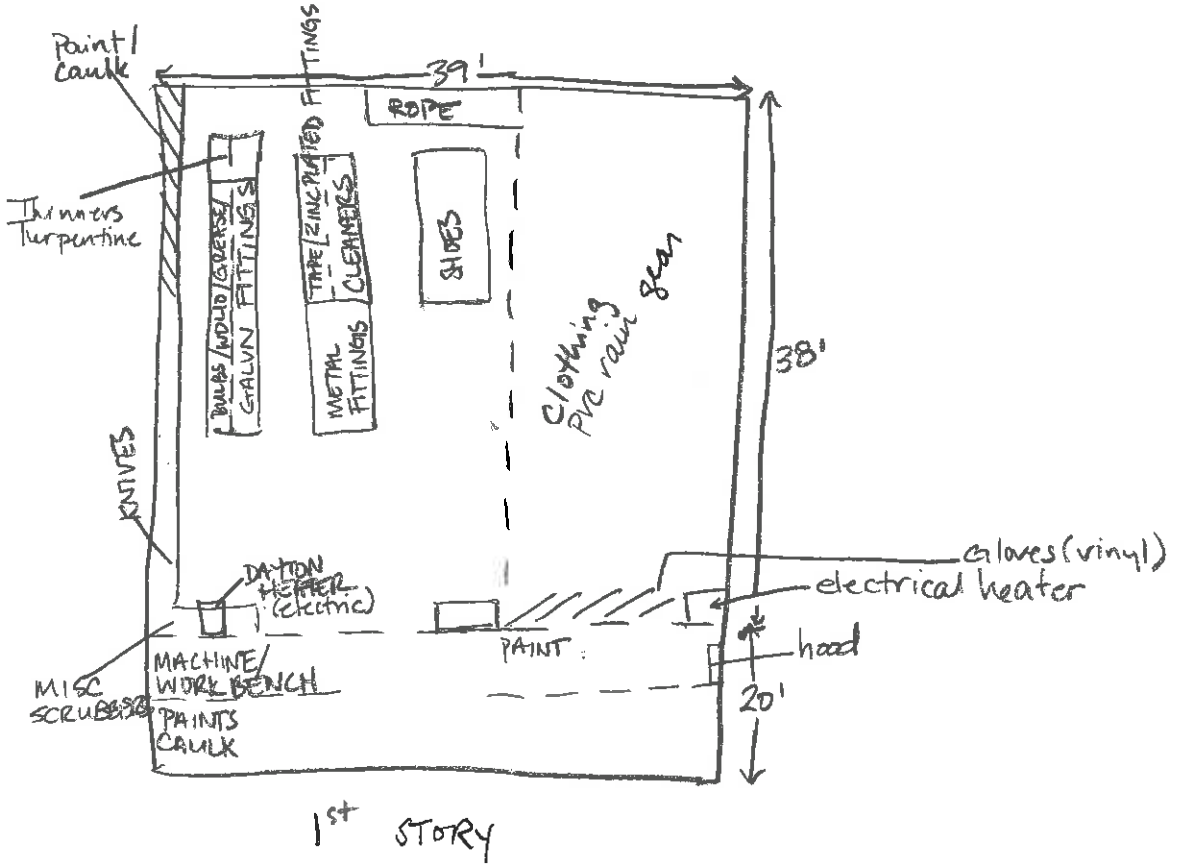
Provide any other information that may be of importance in understanding the indoor air quality of this building.

Marine Service Supply Warehouse (2 STORIES)



rack ① - bluewerks cleaner
- " " degreaser
- WD40
- hooks/threaded nipple

2ND STORY



1st STORY

APPENDIX L - BUILDING SURVEY FORM

4/2/15 @ 1400

Preparer's Name: JONATHAN LOEFFLER Date/Time Prepared: ~~3/31/15~~ (X)
Affiliation: SOUNDEARTH / OWNER'S REP. Phone Number: _____

Occupant Information

Occupant Name: MARINE SERVICE AND SUPPLY Interviewed: ☐ Yes ☐ No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Owner/Landlord Information (Check if same as occupant ☐)

Occupant Name: TOC HOLDINGS Interviewed: ☐ Yes ☐ No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Building Type (Check appropriate boxes)

☐ Residential ☐ Residential Duplex ☐ Apartment Building ☐ Mobile Home ☒ Commercial (office)
☒ Commercial (warehouse) ☐ Industrial ☐ Strip Mall ☐ Split Level ☐ Church ☐ School

Building Characteristics

Approximate Building Age (years): _____ Number of Stories: 1
Approximate Building Area (square feet): _____ Number of Elevators: N/A

Foundation Type (Check appropriate boxes)

☒ Slab-on-Grade ☐ Crawl Space ☐ Basement

Basement Characteristics (Check appropriate boxes)

☐ Dirt Floor ☐ Sealed ☐ Wet Surfaces ☐ Sump Pump ☐ Concrete Cracks ☐ Floor Drains

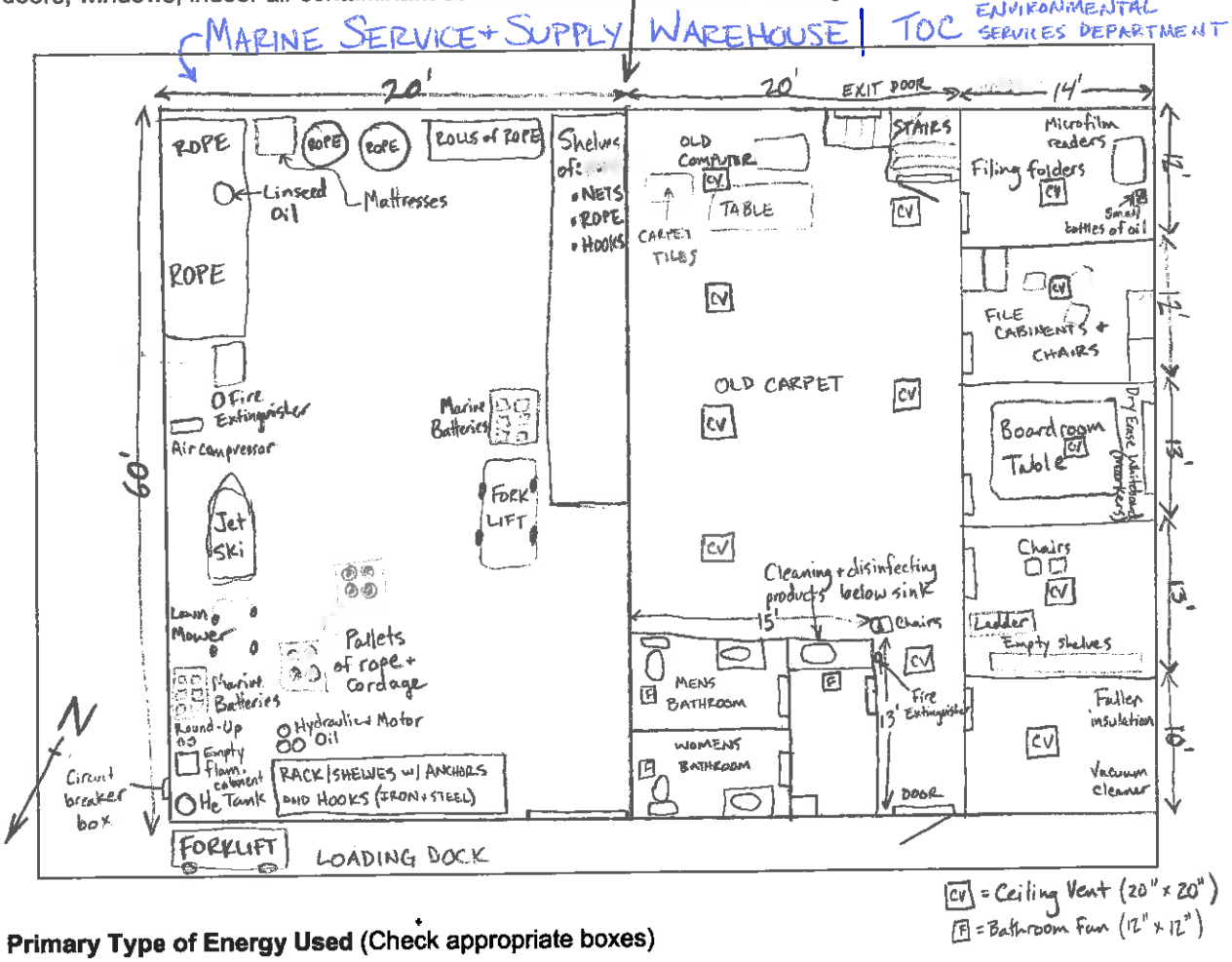
Factors Influencing Indoor Air Quality

Is there an attached garage?	☐ Yes ☒ No		
Is there smoking in the building?	☐ Yes ☒ No		
Is there new carpet or furniture?	☐ Yes ☒ No	Describe:	_____
Have clothes or drapes been recently dry cleaned?	☐ Yes ☐ No	Describe:	_____
Has painting or staining been done with the last six months?	☐ Yes ☒ No	Describe:	_____
Has the building been recently remodeled?	☐ Yes ☒ No	Describe:	_____
Has the building ever had a fire?	☐ Yes ☒ No		
Is there a hobby or craft area in the building?	☐ Yes ☒ No	Describe:	_____
Is gun cleaner stored in the building?	☐ Yes ☒ No		
Is there a fuel oil tank on the property?	☐ Yes ☐ No		
Is there a septic tank on the property?	☐ Yes ☐ No		
Has the building been fumigated or sprayed for pests recently?	☐ Yes ☒ No	Describe:	_____
Do any building occupants use solvents at work?	☐ Yes ☒ No	Describe:	_____

Sampling Locations

* ANOTHER MARINE SERVICES + SUPPLY WAREHOUSE BETWEEN THESE 2 SPACES

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.



Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☐ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

_____

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

_____

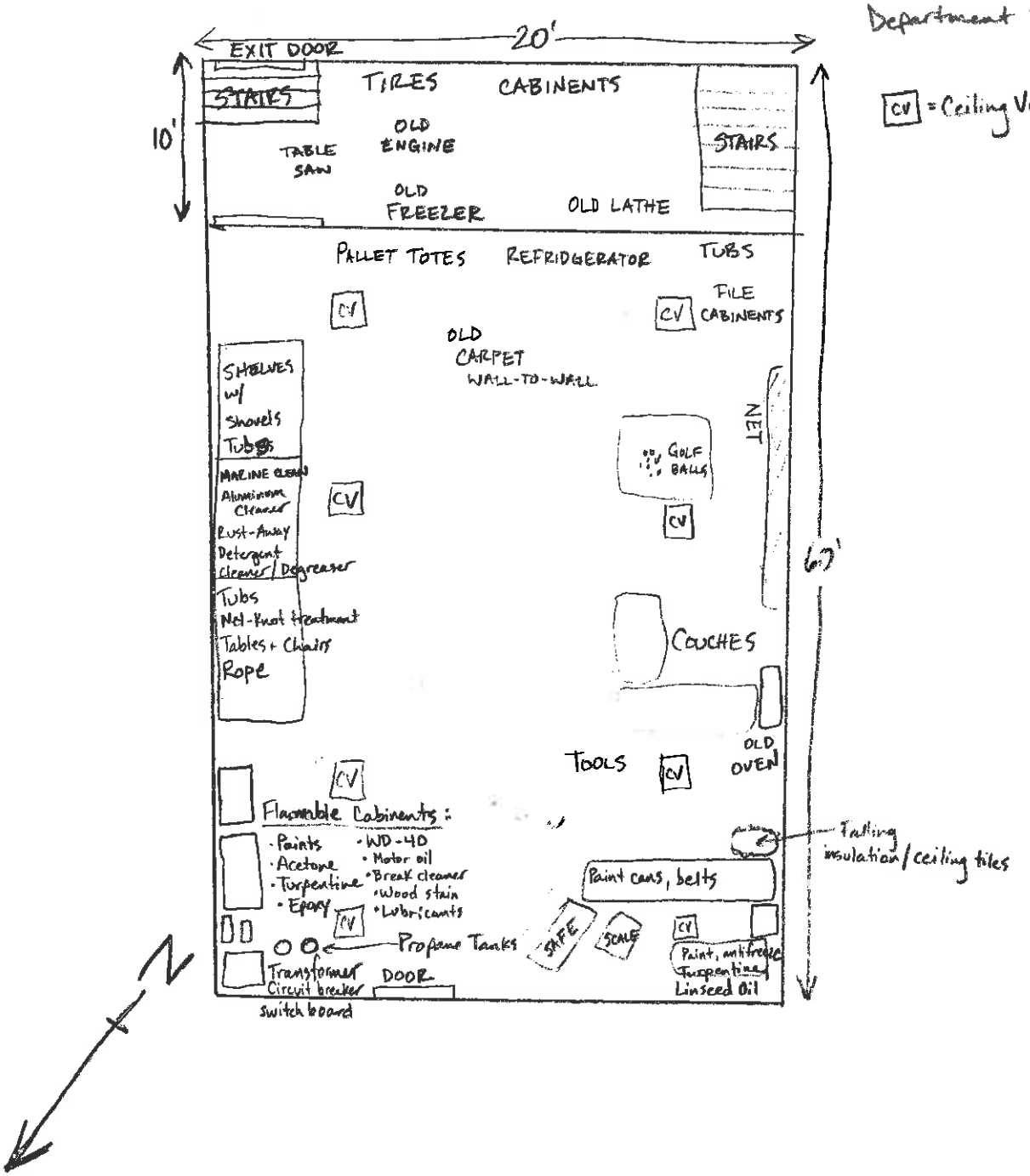
_____

_____

_____

_____

MARINE SERVICES AND SUPPLY SPACE to the east of TOC's Environmental Services Department Space



CV = Ceiling Vent (20" x 20")

ATTACHMENT D
LABORATORY ANALYTICAL REPORTS

Eurofins/Air Toxics Report #1504062A

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4/6/2015
Ms. Suzanne Stumpf
SoundEarth Strategies, Inc
2811 Fairview Avenue East
Suite 2000
Seattle WA 98102

Project Name: ASKO
Project #: 01-600
Workorder #: 1504062A

Dear Ms. Suzanne Stumpf

The following report includes the data for the above referenced project for sample(s) received on 4/3/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1504062A

Work Order Summary

CLIENT:	Ms. Suzanne Stumpf SoundEarth Strategies, Inc 2811 Fairview Avenue East Suite 2000 Seattle, WA 98102	**BILL TO:**	Ms. Suzanne Stumpf SoundEarth Strategies, Inc 2811 Fairview Avenue East Suite 2000 Seattle, WA 98102
PHONE:	206-306-1900	**P.O. #**	0440-004-38
FAX:	206-306-1907	**PROJECT #**	01-600 ASKO
DATE RECEIVED:	04/03/2015	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	04/06/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	ASKO_SOILGAS_03_20150331	Modified TO-15	5.3 "Hg	4.8 psi
02A	Lab Blank	Modified TO-15	NA	NA
03A	CCV	Modified TO-15	NA	NA
04A	LCS	Modified TO-15	NA	NA
04AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:  DATE: 04/06/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
SoundEarth Strategies, Inc
Workorder# 1504062A

One 6 Liter Summa Canister (100% Certified) sample was received on April 03, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Initial Calibration	</=30% RSD with 2 compounds allowed out to < 40% RSD	</=30% RSD with 4 compounds allowed out to < 40% RSD
Blank and standards	Zero Air	UHP Nitrogen provides a higher purity gas matrix than zero air

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample ASKO_SOILGAS_03_20150331 due to matrix interference.

The recovery of surrogate 1,2-Dichloroethane-d4 in sample ASKO_SOILGAS_03_20150331 was outside laboratory control limits due to high level hydrocarbon matrix interference. The surrogate recovery is flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ASKO_SOILGAS_03_20150331

Lab ID#: 1504062A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.54	13	1.4	33
Chloroethane	2.7	4.6	7.1	12
1,1-Dichloroethane	0.54	1.6	2.2	6.3
cis-1,2-Dichloroethene	0.54	11	2.1	45
Benzene	0.54	49	1.7	160
1,2-Dichloroethane	0.54	4.6	2.2	19
Toluene	0.54	5.8	2.0	22
Ethyl Benzene	0.54	6.7	2.3	29
m,p-Xylene	0.54	25	2.3	110
o-Xylene	0.54	14	2.3	63

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Client Sample ID: ASKO_SOILGAS_03_20150331

Lab ID#: 1504062A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**20040316**	**Date of Collection: 3/31/15 1:08:00 PM**	
Dil. Factor:	**5.36**	**Date of Analysis: 4/3/15 09:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.54	13	1.4	33
Chloroethane	2.7	4.6	7.1	12
1,1-Dichloroethene	0.54	Not Detected	2.1	Not Detected
trans-1,2-Dichloroethene	0.54	Not Detected	2.1	Not Detected
1,1-Dichloroethane	0.54	1.6	2.2	6.3
cis-1,2-Dichloroethene	0.54	11	2.1	45
1,1,1-Trichloroethane	0.54	Not Detected	2.9	Not Detected
Benzene	0.54	49	1.7	160
1,2-Dichloroethane	0.54	4.6	2.2	19
Trichloroethene	0.54	Not Detected	2.9	Not Detected
Toluene	0.54	5.8	2.0	22
Tetrachloroethene	0.54	Not Detected	3.6	Not Detected
Ethyl Benzene	0.54	6.7	2.3	29
m,p-Xylene	0.54	25	2.3	110
o-Xylene	0.54	14	2.3	63

Q = Exceeds Quality Control limits.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	193 Q	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1504062A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**20040306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 11:52 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV

Lab ID#: 1504062A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**20040302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 08:43 AM**	

Compound	%Recovery
Vinyl Chloride	102
Chloroethane	108
1,1-Dichloroethene	107
trans-1,2-Dichloroethene	100
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	104
1,1,1-Trichloroethane	102
Benzene	99
1,2-Dichloroethane	100
Trichloroethene	101
Toluene	102
Tetrachloroethene	104
Ethyl Benzene	108
m,p-Xylene	106
o-Xylene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCS

Lab ID#: 1504062A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**20040303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 09:28 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	105	70-130
Chloroethane	110	70-130
1,1-Dichloroethene	107	70-130
trans-1,2-Dichloroethene	88	60-140
1,1-Dichloroethane	102	70-130
cis-1,2-Dichloroethene	114	70-130
1,1,1-Trichloroethane	102	70-130
Benzene	99	70-130
1,2-Dichloroethane	101	70-130
Trichloroethene	100	70-130
Toluene	101	70-130
Tetrachloroethene	108	70-130
Ethyl Benzene	109	70-130
m,p-Xylene	105	70-130
o-Xylene	108	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCSD

Lab ID#: 1504062A-04AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**20040304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 10:12 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	103	70-130
Chloroethane	112	70-130
1,1-Dichloroethene	106	70-130
trans-1,2-Dichloroethene	87	60-140
1,1-Dichloroethane	100	70-130
cis-1,2-Dichloroethene	112	70-130
1,1,1-Trichloroethane	100	70-130
Benzene	98	70-130
1,2-Dichloroethane	100	70-130
Trichloroethene	101	70-130
Toluene	101	70-130
Tetrachloroethene	106	70-130
Ethyl Benzene	106	70-130
m,p-Xylene	105	70-130
o-Xylene	106	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager ~~JESSICA BROWN~~ PETE KINGSTON
Collected by: (Print and Sign) JONATHAN LOEFFLER
Company SOUNDEARTH STRATEGIES Email pkingston@soundearthinc.com
Address 2811 FAIRVIEW AVE. ~~E.~~ City SEATTLE State WA Zip 98102
Phone (206) 306-1900 Fax (206) 306-1907

Project Info: QUOTE#: Q150323135RO
P.O. # 0440-004-38
Project # ~~0440-004-38~~ 01-600
Project Name ASKO

Turn Around Time:
☐ Normal
☒ Rush
24 HR.
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
	~~BTF~~ ASKO_SOILGAS_02_20150330 DO NOT ANALYZE	22677	3/30/15	1443	TO-15 Low Level, See notes for specific analytes requested	~~-30~~	~~-28~~		
01A	ASKO_SOILGAS_03_20150331	4179	3/31/15	1308	TO-15 Low Level, Helium, See notes for specific analytes requested	-30	-6.5		

3/31/15

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	4/2/15 @ 1030		4/3/15 1010
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes: ANALYTES REQUESTED: PCE, TCE, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,1-Dichloroethane, 1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, Chloroethane, Vinyl Chloride, Benzene, Toluene, Ethylbenzene, Total Xylenes, and HELIUM
*Flag sample ASKO_SOILGAS_02_20150330 (CAN # 22677) @ -28 in. Hg field sampler noted water in tubing and stopped sample collection.

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No None	1504062

Form 1293 rev.11

Eurofins/Air Toxics Report #1504062B

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4/6/2015
Ms. Suzanne Stumpf
SoundEarth Strategies, Inc
2811 Fairview Avenue East
Suite 2000
Seattle WA 98102

Project Name: ASKO
Project #: 01-600
Workorder #: 1504062B

Dear Ms. Suzanne Stumpf

The following report includes the data for the above referenced project for sample(s) received on 4/3/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1504062B

Work Order Summary

CLIENT:	Ms. Suzanne Stumpf SoundEarth Strategies, Inc 2811 Fairview Avenue East Suite 2000 Seattle, WA 98102	**BILL TO:**	Ms. Suzanne Stumpf SoundEarth Strategies, Inc 2811 Fairview Avenue East Suite 2000 Seattle, WA 98102
PHONE:	206-306-1900	**P.O. #**	0440-004-38
FAX:	206-306-1907	**PROJECT #**	01-600 ASKO
DATE RECEIVED:	04/03/2015	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	04/06/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	ASKO_SOILGAS_03_20150331	Modified ASTM D-1946	5.3 "Hg	4.8 psi
02A	Lab Blank	Modified ASTM D-1946	NA	NA
03A	LCS	Modified ASTM D-1946	NA	NA
03AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 04/06/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
SoundEarth Strategies, Inc
Workorder# 1504062B

One 6 Liter Summa Canister (100% Certified) sample was received on April 03, 2015. The laboratory performed analysis via Modified ASTM Method D-1946 for Helium in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: ASKO_SOILGAS_03_20150331

Lab ID#: 1504062B-01A

No Detections Were Found.

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Client Sample ID: ASKO_SOILGAS_03_20150331

Lab ID#: 1504062B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040322b**	**Date of Collection: 3/31/15 1:08:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 4/3/15 06:48 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.080	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

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Client Sample ID: Lab Blank

Lab ID#: 1504062B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040304b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 10:24 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1504062B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040302b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 09:37 AM**	

Compound	%Recovery	Method Limits
Helium	100	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1504062B-03AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040308b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/15 12:03 PM**	

Compound	%Recovery	Method Limits
Helium	100	85-115

Container Type: NA - Not Applicable

Eurofins/Air Toxics Report #1504205

eurofins | Air Toxics

4/15/2015
Mr. Tyler Oester
SoundEarth Strategies, Inc
2811 Fairview Avenue East
Suite 2000
Seattle WA 98102

Project Name: Toc Terminal
Project #:
Workorder #: 1504205

Dear Mr. Tyler Oester

The following report includes the data for the above referenced project for sample(s) received on 4/14/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1504205

Work Order Summary

CLIENT:	Mr. Tyler Oester SoundEarth Strategies, Inc 2811 Fairview Avenue East Suite 2000 Seattle, WA 98102	**BILL TO:**	Mr. Tyler Oester SoundEarth Strategies, Inc 2811 Fairview Avenue East Suite 2000 Seattle, WA 98102
PHONE:	206-306-1900	**P.O. #**	0440-004
FAX:	206-306-1907	**PROJECT #**	Toc Terminal
DATE RECEIVED:	04/14/2015	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	04/15/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IA01-20150410	Modified TO-15 SIM	4.1 "Hg	5.1 psi
02A	IA02-20150410	Modified TO-15 SIM	4.3 "Hg	5.3 psi
03A	IA03-20150410	Modified TO-15 SIM	4.3 "Hg	5 psi
04A	OA01-20150410	Modified TO-15 SIM	3.5 "Hg	5.2 psi
05A	OA02-20150410	Modified TO-15 SIM	3.7 "Hg	5.1 psi
06A	OA03-20150410	Modified TO-15 SIM	4.1 "Hg	4.9 psi
07A	Lab Blank	Modified TO-15 SIM	NA	NA
08A	CCV	Modified TO-15 SIM	NA	NA
09A	LCS	Modified TO-15 SIM	NA	NA
09AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 04/15/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 SIM
SoundEarth Strategies, Inc
Workorder# 1504205

Six 6 Liter Summa Canister (SIM Certified) samples were received on April 14, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample IA01-20150410 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See

data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA01-20150410

Lab ID#: 1504205-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.078	0.12	0.25	0.38
Trichloroethene	0.031	0.043	0.17	0.23
Toluene	0.031	0.32	0.12	1.2
Ethyl Benzene	0.031	0.041	0.14	0.18
m,p-Xylene	0.062	0.12	0.27	0.52
o-Xylene	0.031	0.045	0.14	0.20

Client Sample ID: IA02-20150410

Lab ID#: 1504205-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.080	0.10	0.25	0.34
Toluene	0.032	0.29	0.12	1.1
m,p-Xylene	0.064	0.098	0.28	0.42
o-Xylene	0.032	0.036	0.14	0.15

Client Sample ID: IA03-20150410

Lab ID#: 1504205-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.026	0.040	0.067
Benzene	0.078	0.16	0.25	0.50
Toluene	0.031	14	0.12	54
Tetrachloroethene	0.031	0.13	0.21	0.89
Ethyl Benzene	0.031	1.0	0.14	4.4
m,p-Xylene	0.062	3.4	0.27	15
o-Xylene	0.031	1.1	0.14	4.8

Client Sample ID: OA01-20150410

Lab ID#: 1504205-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: OA01-20150410

Lab ID#: 1504205-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.076	0.11	0.24	0.35
Toluene	0.031	0.32	0.12	1.2
m,p-Xylene	0.061	0.087	0.26	0.38
o-Xylene	0.031	0.032	0.13	0.14

Client Sample ID: OA02-20150410

Lab ID#: 1504205-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.076	0.095	0.24	0.30
Toluene	0.031	0.21	0.12	0.78
m,p-Xylene	0.061	0.067	0.26	0.29

Client Sample ID: OA03-20150410

Lab ID#: 1504205-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.077	0.10	0.24	0.33
Toluene	0.031	0.21	0.12	0.79
m,p-Xylene	0.062	0.077	0.27	0.33
o-Xylene	0.031	0.030 J	0.13	0.13 J

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Client Sample ID: IA01-20150410

Lab ID#: 1504205-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041409sim**	**Date of Collection:**	**4/10/15 5:04:00 PM**
Dil. Factor:	**1.56**	**Date of Analysis:**	**4/14/15 03:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Chloroethane	0.078	Not Detected	0.20	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.062	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.62	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.078	0.12	0.25	0.38
1,2-Dichloroethane	0.031	Not Detected	0.13	Not Detected
Trichloroethene	0.031	0.043	0.17	0.23
Toluene	0.031	0.32	0.12	1.2
Tetrachloroethene	0.031	Not Detected	0.21	Not Detected
Ethyl Benzene	0.031	0.041	0.14	0.18
m,p-Xylene	0.062	0.12	0.27	0.52
o-Xylene	0.031	0.045	0.14	0.20

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: IA02-20150410

Lab ID#: 1504205-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041410sim**	**Date of Collection:**	**4/10/15 4:45:00 PM**
Dil. Factor:	**1.59**	**Date of Analysis:**	**4/14/15 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
Chloroethane	0.080	Not Detected	0.21	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.063	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Benzene	0.080	0.10	0.25	0.34
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Toluene	0.032	0.29	0.12	1.1
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected
Ethyl Benzene	0.032	Not Detected	0.14	Not Detected
m,p-Xylene	0.064	0.098	0.28	0.42
o-Xylene	0.032	0.036	0.14	0.15

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IA03-20150410

Lab ID#: 1504205-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041411sim**	**Date of Collection: 4/10/15 4:52:00 PM**	
Dil. Factor:	**1.56**	**Date of Analysis: 4/14/15 05:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.026	0.040	0.067
Chloroethane	0.078	Not Detected	0.20	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.062	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.62	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.078	0.16	0.25	0.50
1,2-Dichloroethane	0.031	Not Detected	0.13	Not Detected
Trichloroethene	0.031	Not Detected	0.17	Not Detected
Toluene	0.031	14	0.12	54
Tetrachloroethene	0.031	0.13	0.21	0.89
Ethyl Benzene	0.031	1.0	0.14	4.4
m,p-Xylene	0.062	3.4	0.27	15
o-Xylene	0.031	1.1	0.14	4.8

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: OA01-20150410

Lab ID#: 1504205-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041412sim**	**Date of Collection: 4/10/15 4:36:00 PM**	
Dil. Factor:	**1.53**	**Date of Analysis: 4/14/15 05:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Chloroethane	0.076	Not Detected	0.20	Not Detected
1,1-Dichloroethene	0.015	Not Detected	0.061	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.61	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.076	0.11	0.24	0.35
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.16	Not Detected
Toluene	0.031	0.32	0.12	1.2
Tetrachloroethene	0.031	Not Detected	0.21	Not Detected
Ethyl Benzene	0.031	Not Detected	0.13	Not Detected
m,p-Xylene	0.061	0.087	0.26	0.38
o-Xylene	0.031	0.032	0.13	0.14

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: OA02-20150410

Lab ID#: 1504205-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041413sim**	**Date of Collection: 4/10/15 5:23:00 PM**	
Dil. Factor:	**1.53**	**Date of Analysis: 4/14/15 06:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Chloroethane	0.076	Not Detected	0.20	Not Detected
1,1-Dichloroethene	0.015	Not Detected	0.061	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.61	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.076	0.095	0.24	0.30
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.16	Not Detected
Toluene	0.031	0.21	0.12	0.78
Tetrachloroethene	0.031	Not Detected	0.21	Not Detected
Ethyl Benzene	0.031	Not Detected	0.13	Not Detected
m,p-Xylene	0.061	0.067	0.26	0.29
o-Xylene	0.031	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: OA03-20150410

Lab ID#: 1504205-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041414sim**	**Date of Collection: 4/10/15 5:09:00 PM**	
Dil. Factor:	**1.54**	**Date of Analysis: 4/14/15 06:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Chloroethane	0.077	Not Detected	0.20	Not Detected
1,1-Dichloroethene	0.015	Not Detected	0.061	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.61	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.077	0.10	0.24	0.33
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.16	Not Detected
Toluene	0.031	0.21	0.12	0.79
Tetrachloroethene	0.031	Not Detected	0.21	Not Detected
Ethyl Benzene	0.031	Not Detected	0.13	Not Detected
m,p-Xylene	0.062	0.077	0.27	0.33
o-Xylene	0.031	0.030 J	0.13	0.13 J

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	89	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1504205-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041406sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/14/15 01:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Chloroethane	0.050	Not Detected	0.13	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1504205-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041402sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/14/15 10:43 AM**	

Compound	%Recovery
Vinyl Chloride	96
Chloroethane	102
1,1-Dichloroethene	93
trans-1,2-Dichloroethene	98
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	96
Benzene	87
1,2-Dichloroethane	104
Trichloroethene	98
Toluene	92
Tetrachloroethene	96
Ethyl Benzene	92
m,p-Xylene	84
o-Xylene	83

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCS

Lab ID#: 1504205-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041403sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/14/15 11:26 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	104	70-130
Chloroethane	110	70-130
1,1-Dichloroethene	97	70-130
trans-1,2-Dichloroethene	88	70-130
1,1-Dichloroethane	105	70-130
cis-1,2-Dichloroethene	113	70-130
1,1,1-Trichloroethane	99	70-130
Benzene	90	70-130
1,2-Dichloroethane	107	70-130
Trichloroethene	100	70-130
Toluene	94	70-130
Tetrachloroethene	101	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	90	70-130
o-Xylene	90	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: LCSD

Lab ID#: 1504205-09AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v041404sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/14/15 12:26 PM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	103	70-130
Chloroethane	110	70-130
1,1-Dichloroethene	97	70-130
trans-1,2-Dichloroethene	88	70-130
1,1-Dichloroethane	104	70-130
cis-1,2-Dichloroethene	112	70-130
1,1,1-Trichloroethane	99	70-130
Benzene	89	70-130
1,2-Dichloroethane	106	70-130
Trichloroethene	100	70-130
Toluene	93	70-130
Tetrachloroethene	98	70-130
Ethyl Benzene	96	70-130
m,p-Xylene	91	70-130
o-Xylene	91	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	98	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Suzy Stumpf
Collected by: (Print and Sign) Ethan Marks
Company SoundEarth Strategics Email SStumpf@soundearthinc.com
Address 2811 Fairview Ave E Ste 2000 City Seattle State WA Zip 98136
Phone 206-436-5938 Fax 206-302-1907

Project Info:
P.O. # 0440-004
Project #
Project Name TOC Terminal

Turn Around Time:
☐ Normal
☒ Rush
24 hr TAT
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	1A01-20150410	39148	4/10/15	0902/1704	TO-15 SIM scenotes	27.5	3.0		
02A	1A02-20150410	33980	4/10/15	0848/1645		27.5	3.5		
03A	1A03-20150410	31149	4/10/15	0851/1652		25.5	3.0		
04A	0A01-20150410	931	4/10/15	0835/1636		26.5	3.0		
07A	0A02-20150410	35254	4/10/15	0826/1723		27.0	3.5		
06A	0A03-20150410	1696	4/10/15	0805/1709		27.5	3.5		

4/13/15

Relinquished by: (signature) Date/Time 4-13-15/1007
Received by: (signature) Date/Time 4.14.15 1015
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Notes:
PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCA, 1,1,1-TCA, 1,1-DCE, 1,2-DCA, chloroethane, VC, BTEX

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fedex		NA	Good	Yes No (None)	1504205

Form 1293 rev.11