September 22, 2020

Sonia Fernandez NWRO VCP Coordinator Department of Ecology Northwest Regional Office 3190 160th Avenue, SE Bellevue, WA 98008-5452

Subject:

Seitz Property Brian Lane NW Silverdale, Washington Kitsap County Parcel IDs: 082501-4-026-2000 and 082501-4-25-2001 FSID: 6865393 VCP: NW1472

Dear Mike,

Krista Webb Consulting (KWC) has prepared this letter to summarize the available information regarding the above-mentioned site, responding to the Ecology Opinion Letter dated June 22, 2016 and outline a potential path to No Further Action (NFA) so that the site can be sold or developed.

#### **Site Description**

The Seitz Property consists of two, unimproved, contiguous, rectangular-shaped Kitsap County tax parcels (Parcel A and Parcel B) in Silverdale WA (Figure 1The Property is heavily vegetated with overgrown blackberry bushes, weeds, tall grasses, and other underbrush. Access to view the interior of the Property is solely via a legal 30-foot-wide easement from Brian Lane.

#### Site Background

Review of the Kitsap County Assessor's documentation, Washington State Department of Ecology (Ecology) records, aerial photos, city directories, regulatory agency records, the regulatory database report, and site reconnaissance found that the Property was unimproved land as early as 1891 and developed with a residence and chicken coop in the early 1980s. The residence and chicken coop were removed from the Property in the mid-1990s. The land has been structurally unimproved since that time.

In 1985 and 1986 complaints were made to the Kitsap County Health District alleging that illegal dumping was being conducted on site. The Health District was unable to substantiate the claims of illegal burial of drums and the excavation that caused the complaint was associated with a single-family residence being moved onto the property. In 1997, the property owner was notified by the EPA that there were allegations of drums/illegal dumping located on the site. Presumably the allegations to the

EPA stemmed from the previous accusation from the same neighbor that drums were illegally buried on the property.

In 1997, the Superfund Technical Assessment and Response Team (START) conducted a site investigation on the subject property, which included brush and debris removal, geophysical survey, trenching in the alleged areas of dumping, and a sample collection from one drum found on site. The investigation revealed no evidence of buried drums or cylinders. One 55-gallon drum containing 30-gallons of diesel or heating oil was removed and recycled.

On March 25, 2005, the property owner contacted the Kitsap Health District to communicate that, while clearing land, he had found a 10-foot by 10-foot area with eighteen 55-gallon drums. On March 29, 2005, the same neighbor who had previously alleged illegal dumping of drums contacted Ecology to report the 18 drums found by the property owner and allege that there were additional buried drums on site. Ecology referred the report to the Kitsap Health District for further assessment and a Site Hazard Assessment (SHA) was performed at the site

As a result of the SHA, in April 2005 the site was listed on the Confirmed and Suspected Contaminated Sites (CSCS) list based on confirmed releases of petroleum hydrocarbons to soil and suspected releases of halogenated organic compounds, metals, and non-halogenated solvents to soil. Mr. Seitz had the drums removed by Clean Harbors Environmental Service on August 17, 2005.

The Kitsap Health District performed an additional SHA in February 2006. Based on this report, Ecology concluded that Polycyclic aromatic hydrocarbons (PAHs) with concentrations above Model Toxics Control Act (MTCA) cleanup levels were confirmed in surface soil in the area where the drums were stored. No metals were detected in soil with concentrations above MTCA cleanup levels.

Arsenic was detected in groundwater from a nearby drinking water well in concentrations above MTCA; however, the Health District determined that because arsenic was not detected in soil, the result of 0.012 ppm for arsenic was not associated with the contaminated site. The site received a high threat ranking because the site was assessed as a spill of unknown volume to the surface resulting in an unknown volume of contaminated soils because the extent of soil contamination was unknown at the time.

In June 2015, samples were collected by EnviroSound, Inc. (Figure 2). Four shallow subsurface samples were collected by hand boring in the area of the former drum storage area. It was reported that PAHs were detected in concentrations above MTCA cleanup levels in one sample within the former drum storage area. However, the value reported in the Soil Investigation Report (EnviroSound 2015) for B(a)P of 0.56 mg/kg was incorrect. The analytical laboratory reports were reviewed (See page 5 of Attachment A) and this value was actually 0.056 mg/kg. The total Toxicity Equivalency Factors for PAHs in that sample were below the MTCA cleanup level of 0.1 mg/kg. In October 2015, Mr. Seitz excavated and disposed of approximately 5.5 cubic yards (1.45 tons) of soil from the former drum storage areas. Two confirmation samples were collected after excavation and analyzed for PAHs and sVOCs. PAHs were not detected in the confirmation samples; however, arsenic is reported as detected above MTCA Cleanup Levels (Table 1).

The Site Soil Investigation report recommended that the site be submitted to the Voluntary Cleanup Program and the report was submitted to Ecology for an opinion. Ecology provided an opinion on June 22, 2016, concluding that further remedial action is necessary to cleanup contamination at the 10-foot by 10-foot former drum location based on detection of arsenic and PAHs in soil and the potential for arsenic in groundwater. No action was taken, and the site was dropped from the Voluntary Cleanup Program (VCP). In June 2019, after personal communication with Andrew Seitz, Ecology recommended that Mr. Seitz engage a qualified, licensed professional and prepared a VCP application for Mr. Seitz to sign and submit; however, Mr. Seitz did not proceed with submission of the VCP application at that time.

In June 2020, Mr. Seitz engaged KWC to review all the site data, enter the site into the VCP, and communicate with Ecology. On May 6, 2020 staff from KWC discussed the site and the path forward with staff from Ecology. During this conversation, it was agreed that past investigations were based on false allegations and inaccurate information. Ecology staff agreed that there was not adequate documentation of the history and use of the site and that a Phase I Environmental Site Investigation would be the best tool for determining and documenting the potential for past releases.

A Phase I ESA was prepared by Associated Environmental Group, LLC (AEG). The text of the Phase I is provided as Attachment B (full report provided digitally). A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The text of the Phase I is provided

The Phase I concluded that the only REC identified at the property is the former drum storage area because of Ecology's opinion that it has not been adequately remediated. Based on the Site Soil Investigation, no contaminated soil remains in the location of the former drum storage area. No other RECs (controlled, historical, or *de minimus*) were identified on the property.

#### Conclusions

#### Parcel A and Parcel B

There are two parcels 026 (Parcel A), and 026 (Parcel B). All alleged sources of contamination at Parcel B have been investigated and were not substantive and Parcel B should be separated from the site as a whole and given NFA status.

#### PAHs in Soil

The site is under regulated authority only because a neighbor falsely reported that drums of hazardous waste were buried on the site. Two investigations (START and GeoRecon) using trenching and ground penetrating radar have failed to find any evidence of buried drums. No hazardous materials were found during the 2020 Phase 1 Environmental Site Investigation. The only identified REC for the property was the former drum storage site identified and self-reported by the owner in 2005. All drums were removed and appropriately disposed of. In 2015, concentrations of PAHs and semi-volatile organic compounds (sVOCs) in soil under the drum storage area not detected or were less than MTCA cleanup

levels<sup>1</sup> and shallow (less than 1.5 ft bgs). All potentially contaminated soil was removed and clean confirmation samples were collected.

#### Arsenic in Groundwater

Water sampling was performed by the Kitsap Health District in November 2005. Water was sampled from two existing drinking water wells downgradient from the site. Arsenic was detected in one of the water samples at 0.012 mg/L. The MTCA method A cleanup level for arsenic in groundwater is 0.01 mg/L. At that time no arsenic was detected in soil and the Health District concluded it was not related to the site. Iron was also detected in this sample above the Secondary Maximum Contaminant Level (MCL) of 0.3 mg/L.

Arsenic is a naturally occurring element in the environment and its presence in groundwater is largely the result of natural dissolution of arsenic-bearing minerals over time<sup>2</sup>. Elevated concentrations of arsenic in groundwater affect many parts of the country where arsenic-bearing minerals are common, including the Puget Sound area of Washington State.

Higher levels of arsenic tend to be found more in groundwater sources of drinking water than in surface water sources (e.g., lakes and rivers). Many states, including Washington, have a significant number of public water systems with arsenic concentrations greater than EPA's standard of  $10 \mu g/L^3$ .

The United States Geological Survey (USGS) has evaluated arsenic data and has published maps summarizing a national data set for arsenic in groundwater. These maps provide a summary view of patterns of naturally occurring arsenic in groundwater across the United States. The arsenic occurrence map shows elevated arsenic concentrations greater than the drinking water standard of 10 ug/L in western Washington, particularly in the Puget Sound, including Kitsap County.

The Washington State Department of Health (DOH) notes arsenic is found in well water throughout Washington State and recommends that water used for drinking or food preparation contain no more than 10  $\mu$ g/L arsenic (DOH, 2008). DOH tracks arsenic in samples from regulated public drinking water sources at concentrations greater than the drinking water standard of 10 ug/L. These data are summarized on a map of Washington State presented in Figure 3. This map shows that regulated water systems in Kitsap County, including locations near the Olalla Landfill, have arsenic concentrations greater than the Washington State Drinking Water Standard of 10 ug/L.

The Bremerton-Kitsap County Health District Environmental Health Division conducted a domestic well survey in 1995 where a background level of arsenic in southern Kitsap County was determined to be 9.69 ug/L<sup>4</sup>. The background arsenic concentration was taken from the Kitsap County Ground Water

<sup>&</sup>lt;sup>1</sup> The value reported in the Soil Investigation Report (EnviroSound 2015) for B(a)P of 0.56 mg/kg was incorrect. The analytical laboratory reports were reviewed and this value was actually 0.056 mg/kg. The total Toxicity Equivalency Factors for PAHs in that sample were below the MTCA cleanup level of 0.1 mg/kg.

<sup>&</sup>lt;sup>2</sup> United States Geological Survey (USGS), Fact Sheet 063-00, August 7, 2008.

<sup>&</sup>lt;sup>3</sup> United States Environmental Protection Agency (EPA, 2011). Website Reference:

http://water.epa.gov/lawsregs/rulesregs/sdwa/arsenic/Basis-Information.cfm

<sup>&</sup>lt;sup>4</sup> Bremerton-Kitsap County Health District (KCHD), Environmental Health Division, Solid Waste Program. Olalla Landfill Domestic Well Survey Results. Prepared by Shawn Ultican, Environmental Health Specialist. October 23, 1995.

Management Plan, July 1989. The calculated concentration represents an average concentration measured in 84 wells in southern Kitsap County. According to the survey, the wells used in the comparison are all greater than one hundred feet deep; therefore, the wells are considered comparable to the conditions at the drinking water well downgradient from the Seitz property.

As groundwater flows through rocks and soil that contain naturally occurring arsenic bearing minerals some of the arsenic dissolves into the groundwater. Drinking water in Washington State typically contains less than 3 ug/L.<sup>5</sup> However, levels of health concern (from 10 ug/L to 33,000 ug/L) have been detected in samples from some wells in Washington. These concentrations are commonly associated with aquifers located in rock or soil that has naturally high arsenic content<sup>5</sup>.

Much of the Puget Sound area, including Kitsap County, has near surface geology consisting largely of glacially deposited volcanic rocks, which contain naturally occurring arsenic. In addition, the ASARCO smelter formerly operating in Ruston WA, approximately 46 miles from the site, was one of the few smelters able to process ore containing high concentrations of arsenic. The ASARCO smelter released particulates containing high concentrations of arsenic and lead to the atmosphere, which was carried by the wind over a wide expanse of King, Pierce, Thurston, and Kitsap counties (Seattle and King County Public Health, 2011). For comparison to local groundwater arsenic concentrations, arsenic concentrations averaging 17  $\mu$ g/L were detected in rain and snow collected downwind from the ASARCO smelter.<sup>6</sup>

The DOH Office of Drinking Water database contains analytical data, which include arsenic data for Kitsap County Class A and B water supply wells. Samples from many of these wells have arsenic at concentrations greater than the Washington State Drinking Water Standard of 10 ug/L. Database queries in the DOH database indicate that arsenic concentrations in Kitsap County Class A water supply wells are as high as 32 ug/L and as high as 100 ug/L in Class B water supply wells. Most of the drinking water standard exceedances in Kitsap County drinking water wells for which DOH has data are in the 11-20 ug/L range. The arsenic data exceeding drinking water standards in Kitsap County and Statewide water supply wells is illustrated in Figure 3<sup>7</sup>. A list of wells from Kitsap County accessed in 2011 by Environmental Partners Inc., for the Olalla County Landfill is provided as Attachment C.

In addition to this, the source material in the drum area REC was not determined (from the 2005-2006 data) to contain elevated arsenic. The arsenic detected in the downgradient well was approximately 500 feet from the site, and the aquifer separated by the Vashon Till (highly impermeable) aquitard. The volume of material present at the drum area REC is very small, would have been surficial if it does, in fact exist at elevated concentrations, and surface soil in the REC has been removed.

There is no evidence that groundwater has the potential to be contaminated by the former drum storage. The drums found were intact and mostly full, indicating that little of the drum contents was

<sup>&</sup>lt;sup>5</sup> Washington State Department of Health (DOH), Arsenic and Your Private Well, Publication #334-156, June 2008.

<sup>&</sup>lt;sup>6</sup> Crecelius, E.A., 1975. The geochemical cycle of arsenic in Lake Washington and its relation to other elements. Limnology and Oceanography 20. No 3: 441-451.

<sup>&</sup>lt;sup>7</sup> Washington State Department of Health (DOH). Division of Environmental Health, Office of Drinking Water. https://www.doh.wa.gov/Portals/1/documents/4200/arsenic.pdf. This data was accessed in 2011.

spilled. There was a small volume of soil with low concentrations of PAHs in one sample. This soil was excavated and disposed of and clean confirmation samples were collected.

#### 2015 Sampling Showing Arsenic in Soil

Arsenic was not detected above MTCA Cleanup Levels in in historical soil samples collected by the Kitsap Health District; however, arsenic in concentrations above MTCA Cleanup Levels were reported in samples collected in 2015 from the former drum storage area during the Site Soil Investigation (Table 1). These results are anomalous and do not reconcile with historical data or the site history.

KWC attempted to evaluate the quality assurance documentation from the lab for the arsenic reported in these samples, however, only Form 1 data is available, and the laboratory is no longer in business. Furthermore, there is no known or suspected source of the arsenic at levels present (50-100% above MTCA Method A levels and 5-10 times previously detected concentrations from samples collected by Ecology and KCHD in 2006). Simply put, we believe that the data from the 2015 event is flawed, and in the absence of our ability to validate or evaluate the concentration calculations, we recommend that this data be rejected and soil in the Former Drum Area resampled to demonstrate presence or absence of elevated arsenic.

Finally, the arsenic reported was only analyzed in the surface samples. The arsenic data reported in Table 1 is from soil that has been removed and arsenic was not tested in confirmation samples after soil excavation. All-in-all, this leaves the arsenic concentrations listed in the 2015 event as highly suspect from a data quality standpoint and leaves a data gap regarding efficacy of removal in the event that elevated concentrations were present.

#### Site Status

The site was dropped from the VCP subsequent to the June 22, 2016 opinion from Ecology. After contact from Mr. Seitz, Ecology provided instructions on January 25, 2019 to accept the site back into the VCP. Ecology has been waiting for a signed VCP agreement from Mr. Seitz. A completed, signed VCP application is provided as Attachment D to this letter.

#### Recommendations

We believe it has been demonstrated that Parcel B is not contaminated and should be granted No Further Action determination as soon as possible.

We recommend that in addition to delisting Parcel B with an NFA determination, 6 additional samples be collected at Parcel A (in the drum area), three at the surface (filled material) and three at a depth of 2 feet to determine whether the soil removal was successful and/or the data collected in 2015 was valid. This sampling should confirm whether there was or was not arsenic associated with the drum area REC. Note that no other RECs were identified on either parcel.

The soil and groundwater data collected suggests that the SHA score of 2 (where 1 represents the highest risk) may not be an accurate indication of site risks to human health and the environment attributed to the Former Drum Area REC.

Based on the results of the confirmation sampling, if arsenic levels are below the MTCA Method A levels in soil, a NFA Determination should be granted for Parcel A. Based on the small volume of potentially contaminated material, the removal action already completed, and the determination that a data error caused the removal action in the first place (due to the mis-calculation of B(a)P TEFs<sup>1</sup>), no additional testing beyond the evaluation of arsenic is warranted.

If arsenic levels are elevated above MTCA Method A Levels, groundwater sampling should be performed in the vicinity of the drum area REC with a total of three direct push well points being installed to the till interface to determine if arsenic is leaching from the site.

The listing of this site was based on incorrect information from a neighbor stating that "drums were buried illegally." Numerous investigations demonstrate that the allegations of buried drums were not accurate. In good faith, Mr. Seitz self-reported and removed the drums and soil he found that he neither placed nor generated. Soil was incorrectly reported as contaminated above MTCA cleanup levels for PAHs and is likely incorrect for reported arsenic concentrations. Therefore, we respectfully ask Ecology to expedite approval of this plan to verify the arsenic data and approve the request for NFA if arsenic is not detected in soil above MTCA cleanup levels.

Should you have any questions or concerns, or if we may be of additional assistance, please call our office at (360) 265-3984.

Sincerely,

A hele

Krista L. Webb. Senior Environmental Scientist

John William Webb Senior Geologist

Attachments:

- Table 1. Corrected 2015 Soil Data
- Figure 1. Site Vicinity Map
- Figure 2. Site Detail Map
- Figure 3. Arsenic in Groundwater in Washington

Attachment A. Phase I ESA Attachment B. Analytical Data Reports Attachment C. Arsenic Concentrations Exceeding Drinking Water Standards in Regulated Water Supply Wells, Kitsap County, WA

Attachment D. Completed VCP

#### Sietz Property From 2015 EnviroSound Sampling Data

#### Table 1. 2015 Corrected Soil Data

Sa		Sample ID	ESC15-DSA- S1-SL-01	ESC15-DSA- S1-SL-02	ESC15-DSA- S1-SL-1.5	ESC15-DSA-S2-SL-03	ESC15-DSA- S2-SL-04	ESC15-DSA- S3-SL-05	ESC15-DSA- S4-SL-07	ESC15-DSA- S5-1.5	ESC15-DSA- S6-1.5	ESC15-SP5-S7- SL-13
		Location	SL-1	SL-1	S1-SL-1.5	SL-2	SL-2	SL-3	SL-4	DSA-S5	DSA-S6	SP-5
		Date	25-Jun-15	25-Jun-15	25-Jun-15	25-Jun-15	25-Jun-15	25-Jun-15	25-Jun-15	19-Oct-15	19-Oct-15	25-Jun-15
	De	pth (ft bgs)	0	1	1.5	0	1	0	0	1.5	1.5	0
Analyte	Unit	MTCA										
SW846 8270D						•						
Benzo(a)Pyrene	mg/kg	0.1 <sup>c</sup>	<0.033	<0.033	<0.033	0.056° (TEF=0.056) <sup>b</sup>	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Benzo(b)Flouranthene	mg/kg	0.1 <sup>c</sup>	<0.033	<0.033	<0.033	0.119 (TEF=0.0119) <sup>b</sup>	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Benzo(k)Flouranthene	mg/kg	0.1 <sup>c</sup>	<0.033	<0.033	<0.033	0.059 (TEF=0.0059) <sup>b</sup>	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
TEF Total		0.1				0.0738 <sup>c</sup>						
Metals - EPA -3050B/6010	C	•				•						
Arsenic	mg/kg	20	35.1			42.1						33.8
Barium	mg/kg	16000	82.8			81						72.2
Cadmium	mg/kg	2	<0.4			<0.4						<0.4
Chromium	mg/kg	2,000	19.2			25.1						24.3
Lead	mg/kg	250	1.75			<0.4						<0.4
Mercury (Method 7471B)	mg/kg	2	0.04			<0.03						0.03
Selenium	mg/kg	400	<1.4			<1.4						<1.4
Silver	mg/kg	400	<0.2			<0.2						<0.2

bold indicates value greater than MTCA cleanup level

< Not detected at reporting limit

bgs = below ground surface

ft = feet

mg/kg milligrams per kilogram

<sup>a</sup> Note that B(a)P concentration was misreported in Site Soils Investigation. Reported value from lab report is 0.056 mg/kg

<sup>b</sup> Toxicity Equivalency Factors (TEF) calculated from https://apps.leg.wa.gov/wac/default.aspx?cite=173-340-900

<sup>c</sup> MTCA cleanup level is total TEF of all the PAHs = 0.1 mg/kg







### **Arsenic Detections in Washington Public Water Supplies**

Sources Above Arsenic Drinking Water Standard of 10 ppb



### Figure 3

regulated public water sources with arsenic levels exceeding the maximum contaminant level standard of 10 parts per billion. Sources shown in red are those that had at least one water sample reading over 50 parts per billion. The state Department of Health recommends that no one drink water with arsenic levels greater than 50 parts per

Values exceeding 10 parts per billion were selected from sample results entered into the Department of Health's data system between Jan. 1, 1993, and July 31, 2007. Emergency and inactive sources are excluded.

### **Contact Information**

Washington State Department

Olympia, WA 98504-7822



2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

#### 07/13/2015

Analita

Twiss Laboratories  $\gamma^{\rho}$ 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Project: Seitz Property Client ID: ESC15-DSA-S1-SL-01 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:1

1 maryle	Kesul	Units	Method	Analyte	D 14	<b>TT I</b>	
1,2,4-Trichlorobenzene	< 0.083	mg/Kg	SW846 8270D	A-Bromonhanyl about the	Result	Units	Method
1,2-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4 Chlore 2 Mathed 1	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	< 0.083	mo/Ka	SW846 8270D	4-Chuoro-3-Methylphenol	<0.083	mg/Kg	SW846 8270D
1,4-Dichlorobenzene	<0.083	ma/Ka	SII/8/6 0270D	4-Chioroamiine	<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalene	<0.033	malka	SW040 0270D	4-Chlorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.033	ug/Kg	3 W 840 82/UL	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2.4.6-Trichloronhenol	~0.000	шуку	SW846 8270D	4-Nitroaniline	<0.083	mg/Kg	SW846 8270D
2.4-Dichloronhenol	<0.003	mg/Kg	SW846 8270D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2.4-Dimethylphonol	<0.083	mg/Kg	SW846 8270D	Acenaphthene	<0.033	mg/Kg	SW846 8270D
2 4 Dinitraphenal	<0.083	mg/Kg	SW846 8270D	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2,4-Dinitrophenon	<0.33	mg/Kg	SW846 8270D	Aniline	< 0.33	mg/Kg	SW846 8270D
2,4-Dintroloigene	<0.083	mg/Kg	SW846 8270D	Anthracene	<0.033	mo/Ko	SW846 8270D
2,0-Dinitrotoluene	<0.083	mg/Kg	SW846 8270D	Azobenzene	< 0.083	mo/Ko	SW846 8270D
2-Chloronaphthalene	<0.083	mg/Kg	SW846 8270D	Benzidine	<0.66	ma/Ka	SW846 0070D
2-Chlorophenol	<0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	<0.00	me/Kg	SW840 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D	Benzo(a)Pyrene	<0.000	mg/Kg	SW846 8270D
2-Methylphenol	<0.083	mg/Kg	SW846 8270D	Benze(h)Fluoranthene	<0.031	mg/Kg	SW846 8270D
2-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Persteno	<0.033	mg/Kg	SW846 8270D
2-Nitrophenol	<0.083	mg/Kg	SW846 8270D	Banzo(k)Eluozonthana	<0.033	mg/Kg	SW846 8270D
3,3-Dichlorobenzidine	<0.66	me/Kg	SW846 8270D	Benzoia Asid	< 0.033	mg/Kg	SW846 8270D
3-Nitroaniline	<0.083	mo/Ko	SW846 8270D	Den-d Alet 1	<0.33	mg/Kg	SW846 8270D
4,6-Dinitro-2-Methylphenol	<0.33	ma/Ka	SW846 8270D	Denzyi Alconol	<0.083	mg/Kg	SW846 8270D
		TIENTE	0 11 040 02/UD	Biphenyl	<0.083	mg/Kg	SW846 8270D

Surrogate	Recovery	Method	Sumoate		-
2-Fluorophenol	53	SW846 8270D		Recovery	Method
Nitrobenzene-dő	74	SW846 8270D	2.4.0-1nbromopheno]	44	SW846 8270D
Phenol-d6	74	SW845 8270D	p-Tephenyl-d14	77	SW846 8270D
2-Fluorobiphenyl	73	SW846 8270D			

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a14/sgh

Page 1 of 18

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

#### 07/13/2015

Twiss Laboratories MP 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Project: Seitz Property Client ID: ESC15-DSA-S1-SL-01 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:1

Analyte	Result	t Units	Method
Bis(2-Chloroethyl)Ether	< 0.083	mg/Kg	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Di-n-Butylphthalate	< 0.083		SW846 8270D
Di-n-Octyl Phthalate	<0.083	ma/Ka	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	ma/K o	SW846 8270D
Dibenzofuran	<0.093	mg/Kg	SW040 02/UD
Dibenzothiophene	<0.003	me/Ke	3 W 840 82/UD
Diethylphthalate	~0.005	mg/Kg	SW846 8270D
Dimethyl Phthalate	~0.003	mg/Kg	SW846 8270D
Fluoranthene	<0.000	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Lawashing 1	<0.033	mg/Kg	SW846 8270D
Hexachlorobenzene	<0.083	mg/Kg	SW846 8270D
Hexachlorobutadiene	<0.083	mg/Kg	SW846 8270D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexachloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	me/Kg	SW846 8270D
Isophorone	<0.083	mø/Kø	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	mo/Ko	SW846 8270D
N-Nitrosodiphenylamine	<0.083	mg/Kg	SW846 8270D

Result	Units	Method
<0.083	mg/Kg	SW846 8270D
<0.033	mg/Kg	SW846 8270D
<0.083	me/Ke	SW846 8270D
<0.083	mg/Kg	SW846 8270D
< 0.033	mø/Ka	SW846 8270D
< 0.083	mu/Ka	SW846 8270D
<0.033	ma/Ka	SW846 0270D
<0.33	mg/Kg	SW046 0270D
<0.00	mg/Kg	SW840 8270D
<0.003	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
	Result           <0.083	Result         Units mg/Kg           <0.083

Surrogate	Recovery	Method
2-Fluorophenol	53	SW845 8270D
Nitrobenzene-d6	74	SW846 8270D
Phenol-d6	74	SW846 8270D
2-Fluorobiphenyl	73	SW846 8270D
SPECTRA LABO	RATORIES	

Surrogate	Recovery	Method
2.4.6-Tribromophenol	44	SW846 8270D
p-Terphenyl-d14	77	SW846 8270D

Steve Hibbs, Laboratory Manager a14/sgh

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

#### 07/13/2015

Twiss Laboratories M 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#; 150586 Project: Seitz Property Client ID: ESC15-DSA-S1-SL-02 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:2

Result	Units	Method	Analyte	Popult	I Indea	
<0.083	mg/Kg	SW846 8270D	4-Bromophenyl-phenylether	<0.083		<u>Method</u>
<0.083	mg/Kg	SW846 8270D	4-Chloro-3-Methylphenol	<0.003	ш8/К8	3 SW846 8270E
<0.083	mg/Kg	SW846 8270D	4-Chloroaniline	<0.003	mg/Kg	SW846 8270E
<0.083	mg/Kg	SW846 8270D	4-Chlorophenvl-phenvlether	~0.002	mg/Kg	SW846 8270D
<0.033	mg/Kg	SW846 8270D	4-Methylphenol	<0.003	mg/Kg	SW846 8270D
<0.083	тg/Kg	SW846 8270D	4-Nitroaniline	<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D	4-Nitronhenol	<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D	Accessible	<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D	A cenaphthula-	<0.033	mg/Kg	SW846 8270D
<0.33	mg/Kg	SW846 8270D	Aniline	<0.033	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D	Anthracene	<0.33	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D	Azabonzou	<0.033	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D	Azooenzene Bonnidi	<0.083	mg/Kg	SW846 8270D
<0.083	mo/Ko	SW846 8270D	Benzidine	<0.66	mg/Kg	SW846 8270D
< 0.033		SW846 8270D	Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
<0.083	mo/Ka	SW846 9270D	Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
<0.083	mg/Ka	SW846 9270D	Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW046 0270D	Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
<0.66	mg/Ka	SW040 6270D	Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
<0.00	me/Kg	SW046 8270D	Benzoic Acid	<0.33	mg/Kg	SW846 8270D
<0.33	uug/⊾g ma/V~~	0 W 040 82701)	Benzyl Alcohol	<0.083	mg/Kg	SW846 8270D
.0.00	աճչւռն	ow840 8270D	Biphenyl	<0.083	mg/Kg	SW846 8270D
	Result <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0	Result         Units           <0.083	Result         Units         Method           <0.083	ResultUnitsMethodAnalyte<0.083	Result $< 0.083$ Units $mg/Kg$ Method $SW846 8270D$ Analyte $4$ -Bromophenyl-phenylether $4$ -Chloro-3-MethylphenolResult $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $4$ -Chloro-3-Methylphenol $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $4$ -Chlorophenyl-phenylether $4$ -Chlorophenyl-phenylether $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $4$ -Chlorophenyl-phenylether $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $4$ -Chlorophenyl-phenylether $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $4$ -Methylphenol $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $4$ -Nitrophenol $< 0.083$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $A$ -cenaphthene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $A$ cenaphthylene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $A$ cenaphthylene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $A$ cenaphthylene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $A$ zobenzene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $B$ enzo(a)Anthracene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $B$ enzo(a)Pyrene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $B$ enzo(a)Pyrene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $B$ enzo(a)Pyrene $< 0.033$ $< 0.083$ $mg/Kg$ $SW846 8270D$ $B$ enzo(b)Fluoranthene $< 0.033$ $< 0.083$ <	Result $< 0.083$ Units mg/KgMethod SW846 8270DAnalyte $< -Bromophenyl-phenylether< -0.083Result< 0.083Unitsmg/Kg< 0.083mg/KgSW846 8270D< -Chloro-3-Methylphenol< 0.083mg/Kg< 0.083mg/KgSW846 8270D< -Chloro-3-Methylphenol< 0.083mg/Kg< 0.083mg/KgSW846 8270D< -Chloroaniline< 0.083mg/Kg< 0.083mg/KgSW846 8270D< -Chloroaniline< 0.083mg/Kg< 0.083mg/KgSW846 8270D< -Chloroaniline< 0.083mg/Kg< 0.083mg/KgSW846 8270D< -Methylphenol< 0.083mg/Kg< 0.083mg/KgSW846 8270D< Acenaphthene< 0.033mg/Kg< 0.083mg/KgSW846 8270D< Acenaphthylene< 0.033mg/Kg< 0.083mg/KgSW846 8270D< Acenaphthylene< 0.033mg/Kg< 0.083mg/KgSW846 8270D< Acenaphthylene< 0.033mg/Kg< 0.083mg/KgSW846 8270D< Acenaphthylene< 0.033mg/Kg< 0.083$

Surrogale	Recovery	Method	Summeria		
2,4,6-Tribromophenol	46	SW846 8220D	Ballogate	Recovery	Method
2-Fluorobiphenyt	72	SW846 \$270D	Phenol-d6	72	SW846 8270D
2-Fkorophenol	51	SW846 8270D	p-Terphenyl-d14	80	SW846 8270D
Nitrobenzene-d6	71	SW846 8270D			
SPECTRA LABORATO	RIES				

Steve Hibbs, Laboratory Manager al4/sgb

201-05	72	SW846 8270D
erphenyl-d14	80	SW846 8270D



www.spectra-lab.com

### 07/13/2015

Analyte

Twiss Laboratories M 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Project: Seitz Property Client ID: ESC15-DSA-S1-SL-02 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:2

	Resu	It Unit	s Method
Bis(2-Chloroethyl)Ether	< 0.083	mg/Kg	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Ka	SW846 8270D
Carbazole	< 0.083	ma/Ka	SW846 0170D
Chrysene	< 0.033	mo/K o	SW846 8270D
Di-n-Butylphthalate	<0.083	ma/Ka	SW040 02/0D
Di-n-Octyl Phthalate	<0.003	mg/Kg	5 W 640 82/01
Dibenz(a,h)Anthracene	<0.005	mg/Kg	SW846 8270D
Dibenzofuran	<0.003	mg/Kg	SW846 8270D
Dibenzothionhene	<0.003	mg/K.g	SW846 8270D
Diethylphthalate	<0.083	mg/K.g	SW846 8270D
Dimethyl Phthalata	<0.083	mg/Kg	SW846 8270D
Fluoranthana	<0.083	mg/Kg	SW846 8270D
Fluorono	<0.033	mg/Kg	SW846 8270D
Noverti 1	<0.033	mg/Kg	SW846 8270D
nexachiorobenzene	<0.083	mg/Kg	SW846 8270D
Hexachlorobutadiene	<0.083	mg/Kg	SW846 8270D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexachloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	< 0.033	mg/Kg	SW846 8270D
Isophorone	<0.083	mg/Kg	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	me/Ke	SW846 8270D
N-Nitrosodiphenylamine	< 0.083	me/Ke	SW846 8270D

Analyte	Result	Units	Method
N-nitrosodimethylamine	<0.083	malVa	ANIO IC CORRECT
Naphthalene	-0.005	ш8ли8	SW845 8270D
Nitrahauran	<0.033	mg/K.g	SW846 8270D
Nuovenzene	<0.083	mg/Kg	SW846 8270D
Pentachloropheno]	< 0.083	mg/Ko	SW846 8270D
Phenanthrene	< 0.033	ma/K a	SW946 9000D
Phenol	~0.092	mg/rrg	5 W 840 8270D
Pyrane	20.083	mg/Kg	SW846 8270D
D to	<0.033	mg/Kg	SW846 8270D
Pyridine	<0.33	mg/Kg	SW846 8270D
Tetrachloropheno1	<0.083	ma/Ka	SW846 0000D
bis(2-Chloroethoxy)Methana	<0.002	418/ Kg	5 W 840 8270D
hiel? Ethylken White t	~0.083	mg/Kg	SW846 8270D
ois(z-Eurymexyl)Phinalate	0.234	mg/Kg	SW846 8270D
bis(2-chloroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D
		~ <del>-</del> 0	

Sunogaie	Recovery	Method			
2.4.6-Tribramophenol	46	SIVE 46 PARAD	Sunogate	Recovery	Method
2-Fluorobiphenyi	72	SW846 8270D	Phenol-d6	72	SW846 8270D
2-Fluorophenol	51	SW846 8270D	p-Terphenyl-d14	80	SW846 8270D
Nitrobenzene-d6	71	SW846 8270D			
SPECTRA LABORATO	DRIES				

Steve Hibbs, Laboratory Manager al4/sgh



#### 07/13/2015

Twiss Laboratories MP 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#:	150586
Project:	Seitz Property
Client ID:	ESC15-DSA-S2-SL-03
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:3

Analyte	Resul	t <u>Un</u> its	Method	Analyte	¥3 7.		
1,2,4-Trichlorobenzene	<0.083	mg/Kg	SW846 8270D	4-Bromonhanul nhomelett	Result	Units	Method
1,2-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4 Chloro 2 Mathed 1	<0.083	mg/Kg	g SW846 8270D
1,3-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	d. Chlorosztin	<0.083	mg/Kg	g SW846 8270D
1,4-Dichlorobenzenc	<0.083	me/Ke	SW846 8270D		<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalene	<0.033	mg/Ke	SW846 8270D	4-Chlorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.083		SW846 8270D	4-Methylpheno]	<0.083	mg/Kg	SW846 8270D
2,4,6-Trichlorophenol	<0.083	mo/Ko	SW846 82701)	4-Nitroaniline	<0.083	mg/Kg	SW846 8270D
2,4-Dichlorophenol	< 0.083	ma/Ka	SW846 8170D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2,4-Dimethylphenol	<0.083	ma/Ka	SW846 8270D	Acenaphthene	<0.033	mg/Kg	SW846 8270D
2,4-Dinitrophenol	<0.33	mg/Kg	SW640 82/01	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2,4-Dinítrotoluene	<0.083	mg/Kg	SW 640 8270D	Aniline	<0.33	mg/Kg	SW846 8270D
2,6-Dinitrotoluene	<0.083	mg/Kg	SW846 82/0D	Anthracene	<0.033	mg/Kg	SW846 8270D
2-Chloronaphthalene	<0.005	mg/Kg	SW846 8270D	Azobenzene	<0.083	mg/Kg	SW846 8270D
2-Chlorophenol	<0.00J	щуљg	SW846 8270D	Benzidine	<0,66	mg/Kg	SW846 8270D
2-Methylnaphthalene	~0.003	ing/K.g	SW846 8270D	Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
2-Methylphenol	~0.000	mg/Kg	SW846 8270D	Benzo(a)Pyrene	0.056	mg/Ko	SW846 8270D
2-Nitroapiline	~0.083	mg/Kg	SW846 8270D	Benzo(b)Fluoranthene	0.119	me/Ko	SW846 8270D
2-Nitronhenol	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perylene	<0.033	mg/Ka	SW846 8270D
3.3-Dichlombangidin-	<0.083	mg/Kg	SW846 8270D	Benzo(k)Fluoranthene	0.059	mo/Ka	SW040 02/00
3-Nitroanili-a	<0.66	mg/Kg	SW846 8270D	Benzoic Acid	<0.33	mg/Kg	SW040 8270D
	<0.083	mg/Kg	SW846 8270D	Benzyl Alcohol	<0.083	mg/Kg	SW846 8270D
,unuro-2-Methylphenol	<0.33	mg/Kg	SW846 8270D	Biphenyl	<0.005	шg/Kg	SW846 8270D
					~0.043	mg/Kg	SW846 8270D

Surrogate	Recover	Y Melbod	Sumb and		
2.4.6-Tribronxophenol	41	SW846 8270D	SURVER	Ree	overy Method
2-Fluorobiphenyl	69	SW846 8270D	rocaol-do	. 66	SW846 8270D
2-Fluorophenol	46	SW846 8270D	p-s cipnenyi-aid	79	SW846 8270D
Nitrobenzent-dő	64	SW846 8270D			

### SPECTRA LABORATORIES

en la

Steve Hibbs, Laboratory Manager a14/sgh

**.**...

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \*

~ "

www.spectra-lab.com

### 07/13/2015

Twiss Laboratories ' 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#:	150586
Project:	Seitz Property
Client ID:	ESC15-DSA-S2-SL-03
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:3

Analyte	Result	Units	s Method
Bis(2-Chloroethyl)Ether	< 0.083	mg/Ke	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Ko	SW846 8270D
Carbazole	< 0.083	mg/Kg	SW846 8270D
Chrysene	< 0.033	mo/Ka	SW846 8270D
Di-n-Butylphthalate	< 0.083	mo/Ka	SW846 8270D
Di-n-Octyl Phthalate	<0.083	ma/Ka	SW040 0270D
Dibenz(a,h)Anthracene	<0.033	maika	SW846 82701
Dibenzofuran	<0.083	me/Ka	SW040 02/0D
Dibenzothiophene	<0.002	me/Kg	SW840 82/0D
Diethylphthalate	<0.005	mg/Kg	5 W846 8270D
Dimethyl Phthalate	<0.005	mg/Kg	SW846 82/0D
Fluoranthene	<0.000	mg/Kg	5 W 845 8270D
Fluorene	~0.033	nug/⊾g	SW846 8270D
Hexachlorohenzene	~0.000	mg/Kg	SW846 8270D
Hexachlorobutadiana	<0.003	mg/K.g	SW846 8270D
Hexachloraquelanante d'	<0.083	mg/Kg	SW846 8270D
Howachiorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexacilloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Isophorone	< 0.083	mg/Kg	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	mg/Kg	SW846 8270D
N-Nitrosodiphenylamine	<0.083	mg/Kg	SW846 8270D

Analyte	Result	Units	Method
N-nitrosodimethylamine	<0.083	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Nitrobenzene	< 0.083	me/Ko	SW846 8270D
Pentachlorophenol	< 0.083	ma/Ka	SW846 9270D
Phenanthrene	<0.033	ma/Ka	911040 0270D
Phenol	<0.083	mg/Kg	SW040 02700
Pyrene	<0.000	men ve	5W8468270D
Pyridine	~0.033	mg/Kg	SW846 8270D
Tetrachloronhonol	<0,33	mg/Kg	SW846 8270D
	<0.083	mg/Kg	SW846 8270D
bis(2-Chloroethoxy)Methane	<0.083	mg/Kg	SW846 8270D
bis(2-Ethylhexyl)Phthalate	<0.083	mg/Kg	SW846 8270D
bis(2-chloroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D
		- v	

Surrogate	Recovery	Method	
2.4.6-Tribromophenol	41	SW846 8270D	
2-Fluorobiphenyl	69	SW846 \$270D	rbę
2-Fluorophenol	46	SW846 8270D	p-1
Nitrobenzene-d6	64	SW846 8270D	
SPECTRA LABOR	ATORIES		

Surrogate	Recovery Method			
Phenol-d6	66	SW846 8270D		
p-Terphenyl-d14	79	SW846 8270D		

Steve Hibbs, Laboratory Manager al4/sgh

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

÷.,

### 07/13/2015

Twiss Laboratories MI 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#; 150586 Project: Seitz Property Client ID: ESC15-DSA-S2-SL-04 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:4

Analyte	Resul	t Thit	Math. J				
1,2,4-Trichlorobenzene	<0.083	me/K		Analyte	Result	Units	Method
1,2-Dichlorobenzene	<0.083	ma/Ka	SW846 8070D	4-Chloro-3-Methylphenol	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	<0.083	malka	SW040 82701)	4-Chloroaniline	<0.083	mg/Kg	SW846 8270D
1,4-Dichlorobenzene	<0.083	mg/Ka	SW040 8270D	4-Chlorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.083	mg/Kg	SW040 8270D	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2,4,6-Trichlorophenol	<0.083	me/Ka	SW040 82/01	4-Nitroaniline	<0.083	mg/Kg	SW846 8270D
2,4-Dichlorophenol	<0.083	mg/Kg	SW846 8270D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2,4-Dimethylphenol	<0.083	ma/Ka	SW846 82/0D	Acenaphthene	<0.033	mg/Kg	SW846 8270D
2,4-Dinitrophenol	<0.33	mg/Kg	SW846 8270D	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2,4-Dinitrotoluene	<0.083	mg/Kg	SW040 8270D	Aniline	<0.33	mg/Kg	SW846 8270D
2,6-Dinitrotoluene	<0.083	mg/Kg	SW846 8270D	Anthracene	<0.033	mg/Kg	SW846 8270D
2-Chloronaphthalene	<0.083	mg/K o	SW640 8270D	Azobenzene	<0.083	mg/Kg	SW846 8270D
2-Chlorophenoi	<0.083	me/Ke	SW846 8270D	Benzidine	<0.66	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Ka	SW846 8270D	Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
2-Methylphenol	<0.083	mg/Kg	SW040 8270D	Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
2-Nitroaniline	<0.003	mg/Ka	SW846 8270D	Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
2-Nitrophenol	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perylene	< 0.033	mg/Kg	SW846 8270D
3,3-Dichlorobenzidine	<0.005	mg/Kg	SW040 8270D	Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
3-Nitroaniline	<0.00	me/K e	SW840 82/00	Benzoic Acid	<0.33	mg/Kg	SW846 8270D
4,6-Dinitro-2-Methylphenol	<0.005	mg/Kg	SW640 8270D	Benzyl Alcohol	<0.083	mg/Kg	SW846 8270D
4-Bromophenyl-phenylether	<0.023	me/Ka	SW640 8270D	Bipheny!	<0.083	mg/Kg	SW846 8270D
	-01/01	m® v.R	owo40 02/0D	Bis(2-Chloroethyl)Ether	<0.083	mg/Kg	SW846 8270D

Surrogate	Recovery	Method	Sutropate	 n	<b>.</b>
2-Fluorophenol	57	SW846 \$270D		Recovery	Method
Nitrobenzene-d6	78	SW846 8270D	2,4,0-Inbromopheno]	44	SW846 8270D
Phenol-d6	79	SW846 8270D	P reducided 14	89	SW846 8270D
2-Fluorobiphenyl	76	SW846 8270D			
SPECTRA LABORATO	DRIES				

Steve Hibbs, Laboratory Manager al4/sgh

Page 7 of 18

### **SPECTRA** Laboratories 2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 \* Fax (253) 572-9838 • www.spectra-lab.com

### 07/13/2015

Twiss Laboratories 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#;	150586
Project:	Seitz Property
Client ID:	ESC15-DSA-S2-SI-04
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:4

<u>Analyte</u>	Result	t Units	Method
Butylbenzylphthalate	< 0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	< 0.033		SW846 8270D
Di-n-Butylphthalate	< 0.083	mg/Kg	SW846 8270D
Di-n-Octyl Phthalate	< 0.083	mo/Ko	SW846 9270D
Dibenz(a,h)Anthracene	< 0.033	mg/Ko	SW846 8270D
Dibenzofaran	<0.083	ma/Ka	SW040 8270D
Dibenzothiophene	<0.083	mg/Kg	SW846 9270D
Diethylphthalate	<0.083	mg/Ko	SW846 8370D
Dimethyl Phthalate	<0.083	mg/Kg	SW040 82/0D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fhuorene	<0.033	mg/Kg	SW846 8270D
Hexachlorobenzene	<0.093	mg/Kg	SW840 82/01
Hexachlorobutadiene	<0.003	mg/Kg	SW040 82/0D
Hexachlorocyclopentadiene	<0.000	mg/Kg	SW846 8270D
Hexachloroethane	~0.005	mg/Kg	SW846 8270D
Indeno(1.2.3-cd)Pyrene	~0.000	mg/Kg	SW846 8270D
Isophorone	<0.033	mg/Kg	SW846 8270D
N-Nittoso-Dista-Bronylami-	<0.083	mg/Kg	SW846 8270D
N-Nitrosodinhonulousing	<0.083	mg/Kg	SW846 8270D
N-nitrogodimentation	<0.083	mg/Kg	SW846 8270D
remuosoumenylamine	<0.083	mg/Kg	SW846 8270D

<u>Analyte</u>	Result	Units	Method
Naphthalene	< 0.033	mg/Kp	SW846 8270D
Nitrobenzene	<0.083	mg/Ko	SW846 8270D
Pentachlorophenol	< 0.083	mg/Ko	SW846 9170D
Phenanthrene	< 0.033	mo/Ko	SW846 8270D
Phenol	< 0.083	ma/Ka	SW046 0070D
Pyrene	<0.033	ma/Ka	SW846 8270D
Pyridine	<0.33	malka	SW040 827013
Tetrachlorophenof	~0.001	mg/Kg	SW846 8270D
	<0.005	mg/Kg	SW846 8270D
bis(2-Chloroethoxy)Methane	<0.083	mg/Kg	SW846 8270D
bis(2-Ethylhexyl)Phthalate	<0.083	mg/Kg	SW846 8270D
bis(2-chloroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D
		<del>0</del>	

Surrogate	Recovery	Method	Suttorate		-
2-Fluorophenol	57	EWRAC Panan	- Othorate	Recovery	Method
Nitrobenzene-d6	78	511846 B270D	2.4,6 Tribromophenol	. 44	SW846 8270D
Phanol-d6	78	SW640 8270D	p-Terphenyl-d14	89	SW846 8270D
2-Fluorobiphenyl	77	SW845 8270D			
SPECTRA LABORAT	ORIES	SW846 8270D	ι.		

Steve Hibbs, Laboratory Manager a14/sgh

oundate	Recovery	Method	
2.4.6 Tribromophenol	44	SW846 8270D	-
p-Terphenyl-d14	89	SW846 8270D	



2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

### 07/13/2015

Twiss Laboratories Mf 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#:	150586
Project:	Seitz Property
Client ID:	ESC15-DSA-S3-SL-05
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:5

Analyte	Result	Units	Method	Ámoltudo	•• •		
1,2,4-Trichlorobenzene	< 0.083	<u></u> mo/Ko	SW846 8270D	Allaryte	Result	<u>Units</u>	Method
1,2-Dichlorobenzene	< 0.083	ma/Ka	SW846 8270D	4-Bromophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	<0.083	mo/Ko	SW846 9270D	4-Chloro-3-Methylphenol	<0.083	mg/Kg	SW846 8270D
1,4-Dichlorobenzene	<0.083	malka	SW846 9370D	4-Chioroanthine	<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalene	<0.005	me/Ke	0 W 040 02/0D	4-Chlorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2.4.5-Trichloronhenol	<0.000	mg/Kg	3 W840 82/UD	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2.4.6-Trichlorophenol	<0.065	шу/ку	8 W846 8270D	4-Nitroaniline	<0.083	mg/K.g	SW846 8270D
2 4-Dichlorophenol	<0.083	mg/Kg	SW846 8270D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2 4-Dimethylphenol	<0.083	mg/Kg	SW846 8270D	Acenaphthene	< 0.033	mg/Kg	SW846 8270D
2.4-Dinitronhenol	<0.083	mg/Kg	SW846 8270D	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2,4-Dimitrotolucus	<0.33	mg/Kg	SW846 8270D	Aniline	<0.33	mg/Kg	SW846 8270D
2,4-Dimitololuene	<0.083	mg/Kg	SW846 8270D	Anthracene	<0.033	mg/Kg	SW846 8270D
2,0-Dinitrotoluene	<0.083	mg/Kg	SW846 8270D	Azobenzene	< 0.083	me/Ke	SW846 8270D
2-Chloronaphthalene	<0.083	mg/Kg	SW846 8270D	Benzidine	<0.66	mø/Ko	SW846 8270D
2-Chlorophenol	<0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	<0.033	ma/Ka	SW046 0270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D	Benzo(a)Pyrene	<0.033	mg/Ka	SW046 0270D
2-Methylphenol	<0.083	mg/Kg	SW846 8270D	Benzo(b)Fluoranthene	<0.033	mg/Kg	SW040 82/UD
2-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perviene	~0.033	mg/Kg	SW846 8270D
2-Nitrophenol	<0.083	mg/Kg	SW846 8270D	Benzo(k)Ehuoranthena	~0.033	mg/Kg	SW846 8270D
3,3-Dichlorobenzidine	<0.66	mg/Kg	SW846 8270D	Benzoia Asid	<0.033	mg/Kg	SW846 8270D
3-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzyd Alashal	<0.33	mg/Kg	SW846 8270D
4,6-Dinitro-2-Methylphenol	< 0.33	mø/Ko	SW846 8270D	Dinkanat	<0.083	mg/Kg	SW846 8270D
• •		~~÷~6	5 H 0 40 02/0D	Dipnenyi	<0.083	mo/Ka	SW246 2170D

Swrogate	Recovery	Method	Surrozate		
2.4.6-Tribromophenol	50	SW846 8270D	Phenol-d6	81	SW846 8270D
2-Fhorophenol	82 58	SW846 8270D SW846 8270D	p-Terphenyl-d14	82	SW846 8270D
Nitrobenzene-dé SPECTRA LABORA	BO TORIES	SW846 8270D			

Steve Hibbs, Laboratory Manager a14/sgh

Page 9 of 18

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

#### 07/13/2015

Twiss Laboratories 718 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Seitz Property Project: Client ID: ESC15-DSA-S3-SL-05 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:5

mg/Kg	SW846 8270D
man IV -	
-mg/Kg	SW846 8270D
mg/Kg	SW846 8270D
	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg

Result	Units	Method
< 0.083	mg/Kg	SW846 8270D
<0.033	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
< 0.033	mg/Kg	SW846 8270D
<0.083	me/K.g	SW846 8270D
<0.033	mg/Kg	SW846 8270D
<0.33	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
<0.083	mg/Kg	SW846 8270D
< 0.083	me/Ke	SW846 8270D
< 0.083	mg/Kg	SW846 8270D
	Result <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083 <0.083	Result         Units           <0.083

Surrogate	Recovery	Method	Surogate	Recovery	Method
2.4,6-Tribromophenol	50	SW846 8270D	Pbenol-d6		SWRAG 9220D
2-Fluorobiphenyl	82	SW846 8270D	p-Terphenyl-d14	. 51	S11040 6270D
2-Fluorophenol	58	SW846 8270D		02	3410-40 027010
Nitrobenzene-d6	80	SW846 8270D			
SPECTRA LABORAT	ORIES				
- Comment					

Steve Hibbs, Laboratory Manager a14/sgh

Page 10 of 18

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

### 07/13/2015

Twiss Laboratories 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O,#: 150586 Project: Seitz Property Client ID: ESC15-DSA-S4-SL-07 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:7

Analyte	Result	Inite	Method	A1. 4			
1,2,4-Trichlorobenzene	< 0.083	mo/Ko	SW846 8270D	Analyte	<u>Result</u>	Units	Method
1,2-Dichlorobenzene	< 0.081	ma/Ka	SW846 9270D	4-Bromophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	< 0.083	ma/Ka	SW946 9170D	4-Chloro-3-Methylphenol	<0.083	mg/Kg	SW846 8270D
1,4-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4-Chloroaniline	<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalone	<0.033	malka	SW040 02/0D	4-Chlorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.083	mg/Kg	SW046 0270D	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2,4,6-Trichlorophenol	<0.003	mg/Kg	5 W840 8270D	4-Nitroaniline	<0.083	mg/K.g	SW846 8270D
2,4-Dichlorophenol	<0.003	ma/Kg	SW846 82/0D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2,4-Dimethylphenol	<0.003	mg/Kg	SW846 8270D	Acenaphthene	<0.033	mg/Kg	SW846 8270D
2,4-Dinitrophenol	~0.005	mg/Kg	5 W846 8270D	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2,4-Dinitrotoluene	<0.001	щулу ma/Wa	SW846 8270D	Aniline	<0.33	mg/Kg	SW846 8270D
2.6-Dinitrotoluene	~0.000	mg/Kg	SW846 8270D	Anthracene	<0.033	mg/Kg	SW846 8270D
2-Chloronanhthalene	<0.003	mg/Kg	SW846 8270D	Azobenzene	<0.083	mg/Kg	SW846 8270D
2-Chlorophenol	~0.000	mg/Kg	SW846 8270D	Benzidine	<0.66	mg/Kg	SW846 8270D
2-Methylnanhthalana	<0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	< 0.033	mg/Kg	SW846 8270D
2-Methylnhenol	<0.033	mg/Kg	SW846 8270D	Benzo(a)Pyrene	< 0.033	mg/Kg	SW846 8270D
2-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
2-Nitrophenol	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perylene	<0.033	me/Ke	SW846 8270D
3 3-Dichlorohou-: 4:	<0.083	mg/Kg	SW846 8270D	Benzo(k)Fluoranthene	<0.033	mg/Ko	SW846 8270D
3. Mitroonilius	<0.66	mg/Kg	SW846 8270D	Benzoic Acid	< 0.33	mo/K o	SW846 8270D
4.6 Distance	<0.083	mg/Kg	SW846 8270D	Benzyl Alcohol	<0.083	ma/Ka	SW046 0270D
+,0-Dinitro-2-Methylphenol	<0.33	mg/Kg	SW846 8270D	Biphenyl	<0.003	me/Ing	5 W 040 82/UD
					-0.001	mR\vZR -	SW840 8270D

Surogate	Recovery	Method	Sumpate		
2.4.6-Tribromophenol	45	SW846 8220D		Recovery	Method
2-Floorobiphenyl	77	SW246 9270D	Phenol-do	78	SW846 8270D
2-Pluorophenol	54	511040 82/013	p-Terphenyl-d14	76	SW846 8270D
Nitrobenzene-d6	74	3 W840 8270D			
SPECTRA LABORAT	ORIES	SW 546 8270D			

Steve Hibbs, Laboratory Manager al4/sgh

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

### 07/13/2015

Twiss Laboratories  $\mathcal{W}$ 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#:	150586
Project:	Seitz Property
Client ID:	ESC15-DSA-S4-SL-07
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:7

Analyte	Result	Units	Method
Bis(2-Chloroethyl)Ether	< 0.083	mg/Kg	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Di-n-Butylphthalate	<0.083	mg/Kg	SW846 8270D
Di-n-Octyl Phthalate	<0.083	mg/Kg	SW846 8270D
Dibenz(a,h)Authracene	<0.033	mg/Kg	SW846 8270D
Dibenzofuran	<0.083	mg/Kg	SW846 8270D
Dibenzothiophene	<0.083	mg/Kg	SW846 8270D
Diethylphthalate	<0.083	mg/Kg	SW846 8270D
Dimethyl Phthalate	<0.083	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	< 0.033	mg/Kg	SW846 8270D
Hexachlorobenzene	<0.083	mg/Kg	SW846 8270D
Hexachlorobutadiene	<0.083	me/Kg	SW846 8270D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexachloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Ke	SW846 8270D
Isophorone	<0.083	me/Ke	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	mp/K g	SW846 8270D
N-Nitrosodiphenylamine	<0.083	me/Ke	SW846 8270D

Analyte	Result	Units	Method
N-nitrosodimethylamine	<0.083	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Nitrobenzene	<0.083	mg/Kg	SW846 8270D
Pentachlorophenol	<0.083	mg/Kg	SW846 8270D
Phenanthrene	< 0.033	mg/Kg	SW846 8270D
Plienol	<0.083	mg/Kg	SW846 8270D
Pyrene	< 0.033	mø/Kø	SW846 8270D
Pyridine	< 0.33	mo/Ko	SW846 9270D
Tetrachlorophenol	<0.083	mg/Ka	SW846 0270D
bis(2-Chloroethoxy)Methane	<0.005	mg/Ng	SW84C POTOD
bis(2-Ethylhexyl)Phthalate	<0.000	mg/Kg	SW846 82/UD
his(2-chloroisopropyt)Ether	~0.003	ung/⊼g	SW846 8270D
(= omororaohrohài)Entet	<b>NU.083</b>	mg/Kg	SW846 8270D

Surrogate	Recover	y Method	Surrogate	Respusse	Ar. Ir. 1
2,4,6-Tribronophenol 2-Fluorobiphenyl	45 77	SW846 8270D SW846 8270D	Phenol-d6	78 .	SW846 8270D
2-Fluoropheno]	54	SW846 8270D	h. icibicultini	76	SW846 8270D
SPECTRA LABORA	76 TORIES	\$W846 8270D			

Steve Hibbs, Laboratory Manager al4/sgh

Page 12 of 18

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \* www.spectra-lab.com

### 07/13/2015

Twiss Laboratories MP 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#:	150586
Project:	Seitz Property
Client ID:	ESC15-DPI-S5-SL-09
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:9

.....

Analyte	Result	Units	Method	Anabota	D., 14	** **	
1,2,4-Trichlorobenzene	< 0.083	mg/Kg	SW846 8270D	ABromonhenyl phonetather	<u>Result</u>	Units	Method
1,2-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4 Chlore 2 Matheticker 1	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	< 0.083	mø/Kø	SW846 8270D	4 Chlorocaviting	<0.083	mg/Kg	SW846 8270D
1,4-Dichlorobenzene	< 0.083	mo/Ka	SW846 8270D		<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalene	< 0.033	ma/Ka	SW846 8270D	4-Chiorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.083		SW040 8270D	4-Methylphenoj	<0.083	mg/Kg	SW846 8270D
2,4,6-Trichlorophenol	<() ()83	mg/Kg	SW040 0270D	4-Nitroaniline	<0.083	mg/Kg	SW846 8270D
2,4-Dichlorophenol	<0.005	mo/V o	SW040 8270D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2.4-Dimethylphenol	<0.000 <0.002	шулу ma/Va	SW840 8270D	Acenaphthene	<0.033	mg/Kg	SW846 8270D
2.4-Dinitronhenol	<0.003	mg/⊾g	SW846 8270D	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2.4-Dinitrotoluene	~0.002	ng/Kg	SW846 8270D	Aniline	<0.33	mg/Kg	SW846 8270D
2.6-Dinitrataluene	~0.000	mg/Kg	SW846 8270D	Anthracene	< 0.033	mg/Kg	SW846 8270D
2-Chloronanhthalana	<0.083	mg/Kg	SW846 8270D	Azobenzene	<0.083	mg/Kg	SW846 8270D
2-Chloronhonol	<0.083	mg/Kg	SW846 8270D	Benzidine	<0.66	mg/Kg	SW846 8270D
2-Mothylanatolato	<0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	< 0.033	mg/Kg	SW846 8270D
2-Methymaprinalene	<0.033	mg/Kg	SW846 8270D	Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
2-Meinyipnenoi	<0.083	mg/Kg	SW846 8270D	Benzo(b)Fluoranthene	< 0.033	mg/Kg	SW846 8270D
2-INBroaniline	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
2-Nitrophenol	<0.083	mg/Kg	SW846 8270D	Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
3,3-Dichlorobenzidine	<0.66	mg/Kg	SW846 8270D	Benzoic Acid	< 0.33		SW846 8270D
3-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzyl Alcohol	<0.083	ma/Ka	SW846 8270D
4,6-Dinitro-2-Methylphenol	<0.33	mg/Kg	SW846 8270D	Biphenyl	<0.003	mall a	SWRAC ROTOR
					-0.005	mg/rg	10 17 040 02/UD

Swrogate	Recovery	Method	 Summerie			
2,4,6-Tribromopheno]	50	SUI046 9250D	- Seriogate	Kecovery	Method	
2-Floorobipheny	70	SW946 9270D	Phenol-d6	78	SW846 8270D	
2-Fluorophenoi	55	SW846 8270D	p-Terphenyl-d14	86	SW846 8270D	
Nitrobenzene-dő	. 76	SW846 8270D				
SPECTRA LABORAT	TORIES					

Steve Hibbs, Laboratory Manager al4/sgh

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \*

www.spectra-lab.com

### 07/13/2015

Twiss Laboratories M 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Project: Seitz Property Client ID: ESC15-DPI-S5-SL-09 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:9

Analyte	Result	Units	Method
Bis(2-Chloroethyl)Ether	< 0.083	mg/Kg	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	< 0.033	me/Ke	SW846 8270D
Di-n-Butylphthalate	< 0.083	mg/Kg	SW846 8270D
Di-n-Octyl Phthalate	<0.083	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mø/Kø	SW846 8270D
Dibenzofuran	< 0.083	mg/Kg	SW846 8270D
Dibenzothiophene	<0.083	mg/Kg	SW846 8270D
Diethylphthalate	< 0.083	mg/Kg	SW846 8270D
Dimethyl Phthalate	< 0.083	mg/Kg	SW846 8270D
Fluoranthene	< 0.033	mo/Ko	SW846 8270D
Fluorene	< 0.033	mo/Ko	SW846 8270D
Hexachlorobenzene	<0.083	ma/Ka	SW846 8270D
Hexachlorobutadiene	<0.083	ma/Ka	SW246 2170D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 9270D
Hexachloroethane	<0.083	ma/Ka	SW946 9370D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW946 9270D
Isophorone	<0.023	шелсе ma/V a	SW040 02/0D
N-Nitroso-Di-n-Propylamine	<0.083	mg/K a	a wa40 82/0D
N-Nitrosodinhenvlamine	~0.003	mg/Kg	5 W 846 8270D
and any main any statime	~0.000	mg/Kg	SW846 8270D

Analyte	Result	Units	Method
N-nitrosodimethylamine	<0.083	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Nitrobenzene	<0.083	me/Ke	SW846 8270D
Pentachlorophenol	< 0.083	me/Ke	SW846 8270D
Phenanthrene	< 0.033	me/Ko	\$W846 8270D
Phenol	< 0.083		SW846 8270D
Pyrene	<0.033	mo/Ka	SW246 8270D
Pyridine	<0.33	ma/Ka	SW040 8270D
Tetrachlorophenot	<0.00	mg/Kg	3 W040 82/UD
bis(2-Chloroethoxy)Methane	<0.003	mg/Kg	SW846 8270D
bis(2-Ethulbory))Dhibalata	~0.003	mg/Kg	SW846 8270D
bis(2 chlore in which it	<0.083	mg/Kg	SW846 8270D
ors(2-cmoroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D

Surrogate	Recovery	Method	- · · ·		• •
2467-3		tricenou	Surrogate	Recovery	Method
2,4,0-interestion	50	SW846 8270D	Phenol-d6	70	0510/7 00000
2-Fiuorobiphenyl	79	SW846 8270D	n-Temberul di d	10	SW846 8270D
2-Fluorophenol	55	SW846 8270D	p-respirate	86	SW846 8270D
Nitrobenzene-d6	76	SB/046 027055			
SPECTRA LABORA	ATORIES	5 11 640 82700			

Steve Hibbs, Laboratory Manager a14/sgh

Page 14 of 18

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

### 07/13/2015

Twiss Laboratories MP 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#;	150586
Project:	Seitz Property
Client ID:	ESC15-DP2-S6-SL-11
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:11

Analyte	Result	Units	Method	Analoto	D 1.		
1,2,4-Trichlorobenzene	< 0.083	mg/Kg	SW846 8270D	A-Bromonhanyl alegedet	Result	Units	Method
1,2-Dichlorobenzene	<0.083	me/Ke	SW846 8270D	4 Chlore 2 Methoduk	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	< 0.083	mg/Kg	SW846 8270D	4 Chloroenilius	<0.083	mg/Kg	SW846 8270D
1,4-Dichlorobenzene	< 0.083	mo/Ko	SW846 8270D	4-Chlorowhan 1 1 1	<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalene	< 0.033	ma/K a	SW846 8270D	4-Childrophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.083	ma/Ka	SW046 9170D	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2,4,6-Trichlorophenol	<0.083	me/Ka	SW846 8270D	4-Nitroamime	<0.083	mg/Kg	SW846 8270D
2,4-Dichlorophenol	<0.005	mg/Kg	SW840 8270D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2.4-Dimethylphenol	<0.005	mg/Kg	SW840 8270D	Acenaphthene	<0.033	mg/Kg	SW846 8270D
2.4-Dinitronhenol	~0.005	шg/кg	SW846 8270D	Acenaphthylene	<0.033	mg/Kg	SW846 8270D
2.4-Dinitrotoluene	~0.003	mg/Kg	SW846 8270D	Aniline	<0.33	mg/Kg	SW846 8270D
2.6-Dinitrotoluene	<0.083	mg/K.g	SW846 8270D	Anthracene	<0.033	mg/Kg	SW846 8270D
2. Chloropontitations	<0.083	mg/Kg	SW846 8270D	Azobenzene	<0.083	mg/Kg	SW846 8270D
2 Chloronkanal	<0.083	mg/Kg	SW846 8270D	Benzidine	<0.66	mg/Kg	SW846 8270D
2 Mathulana 1	<0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	< 0.033	mg/Kg	SW846 8270D
2-incinyinaphinalene	<0.033	mg/Kg	SW846 8270D	Benzo(a)Pyrene	< 0.033	mg/Ke	SW846 8270D
2-Methylphenol	<0.083	mg/Kg	SW846 8270D	Benzo(b)Fluoranthene	<0.033	me/Ko	SW846 8270D
2-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perylene	< 0.033		SW846 8270D
2-Nitrophenol	<0.083	mg/Kg	SW846 8270D	Benzo(k)Fluoranthene	< 0.033	mg/Kg	SW846 8270D
3,3-Dichlorobenzidine	<0.66	mg/Kg	SW846 8270D	Benzoic Acid	<0.33	mg/Kg	SW846 8270D
3-Nitroaniline	<0.083	mg/Kg	SW846 8270D	Benzyl Alcohol	<0.02	mg/Kg	SW040 82/0D
4,6-Dinitro-2-Methylphenol	<0.33	mg/Kg	SW846 8270D	Biohenvl	~0.003	uig/⊼g	5 W 840 8270D
		-		y	~0.000	шg/Kg	SW846 8270D

Surrogate	Recovery	Method	Surrogate		
2,4,6-Tribromophenoj 2-Ekorobinhenyl	44	SW846 8270D	Phenol-d6	71 .	Method \$W846 8270D
2-Finorophenoj	50	SW846 8270D SW846 8270D	p-Terphenyl-d14	74	SW846 8270D
SPECTRA LABORATO	70 RIES	SW846 8270D	х.		

Steve Hibbs, Laboratory Manager a14/sgh

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 \* Fax (253) 572-9838 • www.spectra-lab.com

### 07/13/2015

Twiss Laboratories ' 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Project: Seitz Property Client ID: ESC15-DP2-S6-SL-11 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:11

Analyte	Result	Units	Method
Bis(2-Chloroethyl)Ether	< 0.083	mg/Kg	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	< 0.033	mg/Kg	SW846 8270D
Di-n-Butylphthaiate	<0.083	mg/Kg	SW846 8270D
Di-n-Octyl Phthalate	<0.083	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Dibenzofuran	<0.083	mg/Kg	SW846 8270D
Dibenzothiophene	<0.083	mg/Kg	SW846 8270D
Diethylphthalate	<0.083	mg/Kg	SW846 8270D
Dimethyl Phthalate	<0.083	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Hexachlorobenzene	<0.083	mg/Kg	SW846 8270D
Hexachlorobutadiene	<0.083	mg/Kg	SW846 8270D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexachloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/K.g	SW846 8270D
Isophorone	<0.083	mg/Kg	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	mg/Kg	SW846 8270D
N-Nitrosodiphenylamine	< 0.083	mg/Kg	SW846 8270D

Analyte	Result	Units	Method
N-nitrosodimethylamine	<0.083	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Nitrobenzene	<0.083	mg/Kg	SW846 8270D
Pentachlorophenol	<0.083	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Phenol	<0.083	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D
Pyridine	<0.33	mg/Kg	SW846 8270D
Tetrachlorophenol	<0.083	mg/Kg	SW846 8270D
bis(2-Chloroethoxy)Methane	<0.083	mg/Kg	SW846 8270D
bis(2-Ethylhexyl)Phthalate	<0.083	mg/Kg	SW846 8270D
bis(2-chloroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D

Surrogate	Recovery	Method	Surrogate	Recovery	Method
2.4.6-Tribromophenol	44	SW846 8270D	Phenol-d6	71	SW846 8270D
2-Fluorobiphenyl	71	SW846 8270D	p-TerphenyI-d14	74	SW846 8270D
2-Fluorophenol	50	SW846 8270D			211040 02/012
Nitrobenzene-d6	70	SW846 8270D	•		
SPECTRA LABORATO	RIES				

Steve Hibbs, Laboratory Manager al4/sgh

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \*

www.spectra-lab.com

#### 07/16/2015

Twiss Laboratories 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 150586 Project: Seitz Property Client ID: ESC15-SP5-S7-SL-13 Sample Matrix: Soil Date Sampled: 06/25/2015 Date Received: 06/29/2015 Spectra Project: 2015060768 Spectra Number:13

Analyte	Result	Unite	Method	Ampleto			
1,2,4-Trichlorobenzene	<0.083	Ko	SW846 8270D	Analyte	Result	Units	Method
1,2-Dichlorobenzene	<0.083	me/Ka	SW846 9270D	4-Blomophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4-Cilloro-3-Methylphenol	<0.083	mg/Kg	SW846 8270D
1.4-Dichlorobenzene	<0.003	ma/V a	SW040 02/UD	4-Caloroamiline	<0.083	mg/Kg	SW846 8270D
1-Methylnaphthalene	<0.003	mg/Kg	SW040 82/01	4-Chlorophenyl-phenylether	<0.083	mg/Kg	SW846 8270D
2.4.5-Trichloronhenol	~0.000	шулд www.W	SW640 82/0D	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2.4.6-Trichlorophenol	~0.003	mg/Kg	SW846 8270D	4-Nitroaniline	<0.083	mg/Kg	SW846 8270D
24-Dichlorophenol	<0.083	mg/Kg	3W846 8270D	4-Nitrophenol	<0.083	mg/Kg	SW846 8270D
2 4 Dimethylation 1	<0.083	mg/Kg	SW846 8270D	Acenaphthene	< 0.033	mg/Kg	SW846 8270D
2,4-Dintensi	<0.083	mg/Kg	SW846 8270D	Acenaphthylene	< 0.033	mg/Kg	SW846 8270D
2,4-Dimurophenol	<0.33	mg/Kg	SW846 8270D	Aniline	< 0.33	mg/Kg	SW846 8270D
2,4-Dinitrotoluene	<0.083	ing/Kg	SW846 8270D	Anthracene	<0.033	mø/Ko	SW846 8270D
2,6-Dinitrotoluene	<0.083	mg/Kg	SW846 8270D	Azobenzene	<0.083	ma/Ka	SW846 8270D
2-Chloronaphthalene	<0.083	mg/Kg	SW846 8270D	Benzidine	<0.000	mg/Kg	SW040 8270D
2-Chlorophenol	< 0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	<0.00	mg/Kg	SW040 0270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D	Benzo(a)Pyrene	~0,033	mg/Kg	5W640 82/UD
2-Methylphenol	<0.083	mg/Kg	SW846 8270D	Benzo(b)Fluoranthene	~0.033	шg/қg	SW846 82/0D
2-Nitroaniline	<0.083	me/Ke	SW846 8270D	Benzo(ghi)Benzion-	<0.033	mg/Kg	SW846 8270D
2-Nitrophenol	<0,083	mg/Kg	SW846 8270D	Benzo(k)Ehioreethous	<0.033	mg/Kg	SW846 8270D
3,3-Dichlorobenzidine	<0.66		SW846 8270D	Denzo(K)Fluorantnene	<0.033	mg/Kg	SW846 8270D
3-Nitroaniline	<0.083	ma/Ka	SW846 9270D		<0.33	mg/Kg	SW846 8270D
6-Dinitro-2-Methylnhenol	<0.33	mall a	SWEAC 0070D	Benzyl Alcohol	<0.083	mg/Kg	SW846 8270D
	~0.55	mg/rg	3 W 840 8270D	Biphenyl	<0.083	mg/Kg	SW846 8270D

Surrogate	Recovery	Method	Surrogate	Recovery	Mathod
2,4,6-Tribromophenol 2-Fluorobinhenvi	53	SW846 8270D	Phenol-d6	86	SW846 6270D
2-Fluorophenoi	60	SW846 8270D	p-Terphenyl-d14	94	SW846 8270D
Nitrobenzene-d6 SPECTRA LABORA	83 ATORIES	SW846 8270D			

Steve Hibbs, Laboratory Manager a14/mih

Page 17 of 18



~ "

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \* www.spectra-Jab.com

### 07/16/2015

Twiss Laboratories  $\mathcal{M}$ 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#:	150586
Project:	Seitz Property
Client ID:	ESC15-SP5-S7-SL-13
Sample Matrix:	Soil
Date Sampled:	06/25/2015
Date Received:	06/29/2015
Spectra Project:	2015060768
Spectra Number	:13

Analyte	Result	Units	Method
Bis(2-Chloroethyl)Ether	<0.083	mg/Kg	SW846 8270D
Butylbenzylphthalate	<0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Di-n-Butylphthalate	<0.083	mg/Kg	SW846 8270D
Di-n-Octyl Phthalate	<0.083	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Dibenzofuran	<0.083	mg/Kg	SW846 8270D
Dibenzothiophene	<0.083	mg/Kg	SW846 8270D
Diethylphthalate	< 0.083	mg/Kg	SW846 8270D
Dimethyl Phthalate	<0.083	mg/Kg	SW846 8270D
Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Hexachlorobenzene	<0.083	mg/Kg	SW846 8270D
Hexachlorobutadiene	<0.083	mg/Kg	SW846 8270D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexachloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Isophorone	<0.083	mg/Kg	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	mg/Kg	SW846 8270D
N-Nitrosodiphenylamine	<0,083	mg/Kg	SW846 8270D

Analyte	<u>Result</u>	Units	Method
N-nitrosodimethylamine	< 0.083	mg/Kg	SW846 8270D
Naphthalene	< 0.033	mg/Kg	SW846 8270D
Nitrobenzene	<0.083	mg/Kg	SW846 8270D
Pentachlorophenol	<0.083	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Phenol	< 0.083	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D
Pyridine	<0.33	mg/Kg	SW846 8270D
Tetrachlorophenol	<0.083	mg/Kg	SW846 8270D
bis(2-Chloroethoxy)Methane	<0.083	mg/Kg	SW846 8270D
bis(2-Ethylhexyl)Phthalate	<0.083	mg/Kg	SW846 8270D
bis(2-chloroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D
		~ ~	

Surrogate	Recovery	Method
2,4,6-Tribromopheno}	53	SW846 8270D
2-Fluerobiphenyl	88	SW846 8270D
2-Fhiorophenol	60	SW846 8270D
Nitrobenzene-dő	83	SW846 8270D
SPECTRA LABORA	TORIES	

Samogate	Recovery	Method
Phenol-dő	86	SW846 8270D
p-Terphenyl-d14	<b>9</b> 4 <sup>`</sup>	SW845 8270D

Steve Hibbs, Laboratory Manager al4/mih

### ECTRA Laboratories SPI

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

July 13, 2015

Twiss Laboratories MP 26276 Twelve Trees Ln, Suite C Poulsbo, WA 98370

Spectra Project # Sample Spiked: Date Extracted: Date Analyzed: Units: Applies to Spectra #s:

2015060768 Method Blank 7/10/2015 7/10/2015 mg/Kg #4

### GCMS Semi-Volatile Organic Analysis, Method 8270D (Scan Mode) Blank Spike (LCS) Results in Soll/ Solids

Compound	Blank	Spike	LCS	LCS
	Conc.	Added	Conc.	%Rec
Phenol	<0,08	2.50	1.52	61
2-Chlorophenol	<0.08	2.50	1.38	55
1,4-Dichlorobenzene	<0.08	1.67	0.82	49
N-Nitroso-Di-N-Propylamine	<0.08	1.67	1.21	73
1,2,4-Trichlorobenzene	<0.08	1.67	0.87	52
4-Chloro-3-Methylphenol	<0.08	2.50	1.63	65
Acenaphthene	<0.03	1.67	0.95	57
2,4-Dinitrotoluene	<0.08	1.67	0.81	49
4-Nitrophenol	<0.08	2.50	1.68	67
Pentachlorophenol	<0.08	2.50	0.37	15
Pyrene	<0.03	1.67	1.24	74
Surrogates				%Roo
2-Fluorophenol				51
Phenol-d5				72
Nitrobenzene-d5				71
2-Fluorobiphenyl				79
2,4,6-Tribromophenol				42
o-Terphenyl-d14				42 QQ

Steven G. Hibbs Laboratory Manager

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

July 13, 2015

ecumor (m)

Twiss Laboratorias 26276 Twelve Trees Ln, Suite C Poulsbo, WA 98370	Sample Matrix: Spectra Project: Applies to:	Soli 2015060768 ≇4	Dete Extracteo: Date Analyzeo: Dilution: < = tess than	7/10/2015 7/10/2015 1
---	---	--------------------------	---	-----------------------------

SEMIVULATILE ORGANIC	ANALYSIS METHOD BLANK REQUITE
Commound	The manifold period (Conclo

	mo Kg	Corecound	ME (	HOU 8270
rynane	< 0.33	Aceraphhene		mg/Kg
re-narosodi metinyamina	< 0.08	2.4-Distrophenol		< 0.03
Anixine	< 0.33	4-Nitroshenol		< 0.33
Phenol	< 0.08	Dihenantikan		< 0.08
bls(2-Chloroothyl)Ether	< 0.08	2 4-Digitratelyana		< 0.08
2-Chlorophenol	< 0.08	2 6-Dintentelisson		< 0.08
1,3-Dichlorobenzene	< 0.08	Diobulahthalata		< 0.08
1,4-Dichtorobenzene	< 0.08			< 0.08
Benzyi Alcohoi	< 0.08	Fluxers		< 0.08
1,2-Dichlorobenzene	< 0.08	- Nitronalitan		≺ 0.03
2-Methylphanol	< 0.08			< 0.08
bis(2-ChloroIslpropyl)Ether	< 0.08	Ni Milmaadiahaa tamia		< 0.33
f-Melin/phenol	< 0.08			< 0.08
N-Nitroso-di-n-Propylamine	< 0.08	Have black and a set of the set o		< 0.08
lexachloroethane	< 0.08	Destachionational		< 0.08
Vitrobenzene	< 0.00	Cathactiorophonol		< 0.08
sophorone	< 0.00	r nenaningene		< 0.03
-Nirophenol	< 0.08	Antracena		< 0.03
,4-Dimethylphenol	< 0.00	Dim Outyphinalete		< 0.08
Senzoic Acid	< 0.03	riboranthene		< 0.03
(s(2-Chloroethoxy)methane	< 0.55	Benzidina		< 0.67
4-Dichicrophenol	< 0.00	Pyrene		< 0.03
2,4-Trichlorobenzene	< 0.08	Bulyibenzyiphthalale		< 0.68
aphthalene	< 0.08	3,3-Dichlerobanzidine		< 0.67
Chioroantine	< 0.03	Benzo(a)anthracane		< 0.03
exachlorobutadiene	- 0.08	bis(2-ethy/hexyl)phthalate		< 0.08
Chloro-3-Methylphanol	< 0.08	Chrysene		< 0.03
Methylaohthalene	< 0.08	Di-n-octyl phtheiate		< 0.08
2X8Chorocycloneniadiana	< 0.03	Banzo(b)Fluoranthene		< 0.03
4.8-Trich'amohenol	< 0.08	Benzo(k)Fluoranthene		< 0.03
4.5-Trichiomnanoi	< 0.08	Benzo(a)pyrene		< 0.03
Chlorona obthatana	< 0.08	Indeno(1,2,3-c,d)pyrene		0.03
Nitroanilina	< 0.08	Dibenzo(a,h)anthracene		< 0.03
methy Phihalpia	< 0.08	Benzo(g,h,i)perviene		< 0.03
enenhihulana	< 0.08	Cerbazole		< 0.02
Vitnao/line	< 0.03	Biphenyl		< 0.00
un contratté	< 0.08	1-Methylnaphthalene		~ 0.00
		Dibenzothiophene		~ U.UQ 2 A.No
		Tetrachlorophenol		~ 0.00
	<b>SURROGATE R</b>	ECOVERIES		× 0.00
robenzene-d5	60 M			
human h (= h =	09 %	2-Fluorophenol	49	%
nucoopnenyi	68 %	Phenol-d5	70	*
erphenyl-d14	<b>84</b> %	2,4,6-Tribromophenol	35	P.

Steven G. Hibbs Laboratory Manager

		рА э - Эзелд - Эзелд - Эзелд	ido. SL S esteage S IN OM S IN OH S IN OH S BH Q	APP cr Cd Cr P APP cr Cd Cr P APP 49 h AD AD AD AD AD AD AD AD AD AD	As Barren MPN MPN MPN MPN MPN MPN MPN MPN MPN	of Cot betals: "s: As becify pecify pecify PB T BB C SGT SGT SGT SGT SGT SGT SGT SGT SGT SGT	Jumber Jumber SCRA M SCRA M SCRA M SCRA M SCRA M Humber SCRA Solis S SCRA Solis S SOlis S S S S S S S S S S S S S S S S S S S											special Instructions Hold all samples perclived initial test	1005%(Namersourpatery/Deat-Pranto)	Company FSC Data 6-25 mm 1240	Radrommann Twice hick hill	VIT CITCAL A Date VICA Time I I W	Company Date Time		DateDate	red as received the following business day
I WISS LabOratories a SPECTRA Laboratories company 26276 Twelve Trees Lane, Suite C Poulsbo, WA 98370 (360) 779-5141 FAX (360) 779-5150 www.twisslabs.com	Company/Client. Ewyper Sand Carsult,). y	Address: 3388 Bypen Strer Ste 200	city: 51) verthele State: W.A. Zip 9838 3	Project Manager/Report To: Shaw נטין //יאיז איז איז איז איז איז איז איז איז איז	Project Name: Seite Property Sampled by. Stiv/AL	Telephone No: 560. 648. 5950 Fax No. 360. 698. 5929	Email address: Durwer & Ensige Sound, Net-	Certific Control Lab ID	2 BSC15-DER-31-36-01 C-15-15 0850 Soil No 1505 86-01	3 52615 - 05 A - 52 - 52 - 03 09 20 0 20	4 <u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	5 [5c15-psh = 5 - 5c - 0 5   0942   -05	6125ci5-D5A-37-31-06 0955 000	8 Ex15-05 A-54-54 - 52 - 92 - 10 0 5 - 02 - 02 - 02	9 Escis-DEV-55-51-09 10 20 10 20 10 00	10 125C15-0P1-55-52-16 20 20 -1C	11 ESCI5 DP2-56-52-12 10 40 11 12 155C15 DP2 -56-52-12 11 UT	Cost of disposal will be billed to client (Cost of disposal will be billed to client)	Total # of containers	COC seals present? intact? Relinquished by: A L' il / r' by March CC	Temp at receipt? ° C (Signature) (Signature) (Signature) (Signature)	Received Via: <u> </u>	w Standard (10 Business days) Relinquished by:	Cush (specify date needed)     (print) (Signature)     (Signature)     (Signature)	* additional charges may apply         (print)         (Signature)	Samples received after 12 noon will be considere C:\Users\shewn\AppData\Loca\\Temp\Copy of COC Spectra 110414-2 Rev. 1.1 11/04/14

Treet Britter		
gA nS (HqT	q-əish	
92 BH 4 92 IN 2 92 IN	b: dsoudoo	
2 TVSS (OIL& C D D D D D D D D D D D D D D D D D D D	и Оции лопа	
25 TVS Metals: d Cu F : : :	1-sinor phqson	
pH bH bH be Cr As C As C As C As C As C As C As C As C	Amm vite-W otal Pl 0 0 0 0 1 0 1 1	
3A Mes           ity Poli           ity Poli           als (Sp           als (Sp           als (Sp	te-N te-Nitu To Collifo	
Turbi Solid BOD BOD BOD BOD BOD BOD BOD BOD	Vg So Pg So Niua Niua Niua	
rcle the desired parameters above	fractional and a set of the set o	
	X.	
		T
Instructions $He'/c' \sim 1/5$	1	ſ
	apres I wind wind rest	Ś
ompany	Date 6-25 -15 Time 15 & O	
		ļ
ompany / UUVSS	Date 6/45/15 Time 140	
ompany	DateTime	1
ompany	DateTime	·
red the following business day	Page 2 of 2	•
	Image: Second	Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Pb Hg N So Ag Tl Zn       Page A of Cr     Date     E/SCRA Mediate: A Ba Cd Cr Ph Hg N So Ag Tl Zn

Twiss Laboratories a SPECTRA Laboratories company 26276 Twelve Trees Lane, Suite C Poulsbo, WA 98370 (360) 779-5141 FAX (360) 779-5150 www.twisslabs.com





### **Certificate of Analysis**

**Enviro Sound Consulting** 3388 Byron St Ste 200 Silverdale, WA 98383

Date Received: 6/25/2015 Date Reported: 7/13/2015 Sampler: Shawn Williams

Project: Seitz Property

Test	Result	Units	Method	Test Date	Initials
150586-01	ESC15-DSA-S1-SL-01		D	ate Sampled:	6/25/2015
Arsenic	35.1	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Barium	82.8	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Cadmium	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Chromium	19.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Lead	1.75	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Mercury	0.04	mg/kg	EPA 7471B	6/29/2015	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Silver	<0.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW

150586-03	ESC15-DSA-S2-SL-03		D	ate Sampled:	6/25/2015
Arsenic	42.1	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Barium	81.0	mg/kg	EPA 3050B/6010 C	6/30/2015	κw
Cadmium	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Chromium	25.1	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Lead	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Mercury	<0.03	mg/kg	EPA 7471B	6/29/2015	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Silver	<0.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW

----

\_\_\_\_





### Certificate of Analysis

Enviro Sound Consulting 3388 Byron St Ste 200 Silverdale, WA 98383

Date Received: 6/25/2015 Date Reported: 7/13/2015 Sampler: Shawn Williams

Project: Seitz Property

Test	Result	Units	Method	Test Date	Initials
150586-09	ESC15-DS1-S5-SL-09		D	ate Sampled:	6/25/2015
Arsenic	31.3	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Barium	79.8	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Cadmium	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Chromium	21.2	mg/kg	EPA 3050B/6010 C	6/30/2015	K₩
Lead	3.45	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Mercury	0.04	mg/kg	EPA 7471B	6/29/2015	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Silver	<0.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW

150586-11	ESC15-DP2-S6-SL-11		D	ate Sampled:	6/25/2015
Arsenic	34.0	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Barium	60.8	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Cadmium	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Chromium	21.9	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Lead	5.21	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Mercury	0.05	mg/kg	EPA 7471B	6/29/2015	КŴ
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Silver	<0.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW

Page 2 of 3





### **Certificate of Analysis**

Enviro Sound Consulting 3388 Byron St Ste 200 Silverdale, WA 98383

Date Received: 6/25/2015 Date Reported: 7/13/2015 Sampler: Shawn Williams

Project: Seitz Property

Test	Result	Units	Method	Test Date	Initials
150586-13	ESC15-SP5-S7-SL-13		D	ate Sampled:	6/25/2015
Arsenic	33.8	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Barium	72.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Cadmium	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Chromium	24.3	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Lead	<0.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Mercury	0.03	mg/kg	EPA 7471B	6/29/2015	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	6/30/2015	KW
Silver	<0.2	mg/kg	EPA 3050B/6010 C	6/30/2015	KW

**Approved For Release** 

Steven G. Hibbs, Laboratory Manager





July 10, 2015

Shawn Williams Enviro Sound Consulting 3388 Byron St Ste 200 Silverdale, WA 98383

Project: Seitz Property Sample Date: 6/25/15 0850

### Lab Work Order#: 150586 Sample Received: 6/25/15 1340

	]	Quality Contro Laboratory Chec	l Report k Standard						
Test Parameter	QC Sample ID	True Value mg/kg	Result mg/kg	% Recovery	Date	<b>3</b> <i>4</i> - 4 - 1			
Arsenic	ERA Soil 90	129	117	00.6	C/20/16	Douter to the second			
Barium	ERA Soil 90	334	313	90.0	0/30/15	EPA 3050B/6010C			
Cadmium	ERA Soil 90	85.2	91 D	95.7	0/30/15	EPA 3050B/6010C			
Chromium	ERA Soil 90	117	01.2	93.3	6/30/15	EPA 3050B/6010C			
Lead	ERA Soil 90	107	111	94.7	6/30/15	EPA 3050B/6010C			
Mercury	FRA Soll 00	21.1	95.1	88.9	6/30/15	EPA 3050B/6010C			
Selenium	ERA Soll 90	21.1	22.5	107	6/29/15	EPA 7471B			
Silver	ERA 3011 90	183	174	94.8	6/30/15	EPA 3050B/6010C			
UNYU .	EKA 501190	54.7	47.4	86.6	6/30/15	EPA 3050B/6010C			

#### Digest Blank Result

<b>T</b>		ACOUL		
Test Parameter	Blank ID	mg/kg	Date Analyzed	Method
Arsenic	PB27,173	<0.7	6/30/15	EPA 3050B/60100
Barium	PB27.173	<0.4	6/30/15	EDA 2050D/0010C
Cadmium	PB27.173	<0.4	6/30/15	
Chromium	PB27.173	<0.4	6/30/15	EFA 3050D/0010C
Lead	PB27.173	<0.1	6/20/15	EPA 3030B/6010C
Mercurv	PB27 172	~0.02	6/30/13	EPA 3050B/6010C
Selenium	PB27 172	<0.05	0/29/15	EPA 7471B
Silver	1 D27.175 DD37 173	<b>~1.4</b>	6/30/15	EPA 3050B/6010C
	FD27,173	<0.2	6/30/15	EPA 3050B/6010C

Approved for Release,

### Steve G. Hibbs

Laboratory Manager

WDOE Accreditation #C594

This report is issued solely for the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis according to industry accepted practice. Twiss Laboratories or its employees are not responsible for consequential damages in any kind or in any amount.

-----



2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \* www.spectra-lab.com

#### 08/06/2015

Twiss Laboratories MP 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 151462 Project: Seitz Property ESC15-DSA S1-SL-1.5 Client ID: Sample Matrix: Soil Date Sampled: 07/27/2015 Date Received: 07/28/2015 Spectra Project: 2015070651 Spectra Number:1

Analyte	<u>Result</u>	Units	<u>Method</u>	Analyte	Result	Units	Method
1,2,4-Trichlorobenzene	<0.083	mg/Kg	SW846 8270D	4-Chloro-3-Methylphenol	<0.083	mg/Kg	SW846 8270D
1,2-Dichlorobenzene	<0,083	mg/Kg	SW846 8270D	4-Chloroaniline	<0.083	mg/Kg	SW846 8270D
1,3-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4-Chlorophenyl-phenylether	<0.083	me/Ke	SW846 8270D
1,4-Dichlorobenzene	<0.083	mg/Kg	SW846 8270D	4-Methylphenol	<0.083	mg/Kg	SW846 8270D
2,4,5-Trichlorophenol	<0.083	mg/Kg	SW846 8270D	4-Nitroaniline	<0.083	me/Ke	SW846 8270D
2,4,6-Trichlorophenol	<0.083	mg/Kg	SW846 8270D	4-Nitrophenol	<0.083	mø/Kø	SW846 8270D
2,4-Dichlorophenol	<0.083	mg/Kg	SW846 8270D	Acenaphthene	<0.033	mo/Ko	SW846 8270D
2,4-Dimethylphenol	<0.083	mg/Kg	SW846 8270D	Accusphthylene	<0.033	mo/Ko	SW846 8270D
2,4-Dinitrophenol	<0.33	mg/Kg	SW846 8270D	Aniline	<0.33	mo/Ko	SW846 8270D
2,4-Dinitrotoluene	<0.083	mg/Kg	SW846 8270D	Anthracena	< 0.033	me/Ko	SW846 8270D
2,6-Dinitrotoluene	<0.083	mg/Kg	SW846 8270D	Azobenzene	<0.083	mo/Ko	SW846 8270D
2-Chloronaphthalene	<0.083	mg/Kg	SW846 8270D	Benzidine	<0.66	ma/Ka	SW846 8270D
2-Chlorophenol	<0.083	mg/Kg	SW846 8270D	Benzo(a)Anthracene	<0.033	ma/Ka	SW846 8270D
2-Methylnaphthalene	<0.033	me/Kg	SW846 8270D	Benzo(a)Pyrene	<0.033	ma/Ka	SW846 8270D
2-Methylphenol	<0.083	mg/Kg	SW846 8270D	Benzo(h)Fluoranthene	<0.033	malKa	SW246 2270D
2-Nitroanilline	<0.083	mg/Kg	SW846 8270D	Benzo(ghi)Perviene	<0.023	molKa	SW246 8270D
2-Nitrophenol	<0.083	me/Ke	SW846 8270D	Benzo(k)Fluoranthene	<0.033	mg/ng	5W 0H0 02/01
3,3-Dichlorobenzidine	<0.66	me/Ke	SW846 8270D	Benznia Acid	~0.033	ma/V a	SW046 9270D
3-Nitroaniline	<0.083	me/Ke	SW846 8270D	Benzul Alcohol	~0.53	шулу тайга	5W 640 62/UD
4,6-Dinitro-2-Methylphenol	<0.33	mo/Ko	SW846 8270D	Rinhanul	~0.082	me/Kg	SW 040 8270D
4-Bromophenyl-phenylether	<0.083	ma/Ka	SW846 8270D	Right Chiangeth WEther	~0.083	mg/Kg	SW846 8270D
EA. Energy ABIAN	-01003		511010 02/01	mare	<0.083	mg/Kg	SW8468270D

Semogate	Repovery	Method	Surrogeta	Recovery
2-Fhorophenol	42	SW846 8270D	2,4,6-Trilummonhenol	45
Nitrobazzane-dő	66	SW846 8270D	p-Terphenyi-di4	62
Phenol-d6	\$6	SW846 8270D		-
2-Fiborobipbenyl	55	SW846 \$270D		
SPECTRA LABO	RATORIES			

Steve Hibbs, Laboratory Manager al4/sgh

Method SW546 8270D 8W846 8270D

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

#### 08/06/2015

Twiss Laboratories 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#. 151462 Project: Seitz Property ESC15-DSA S1-SL-1.5 Client ID: Sample Matrix: Soil Date Sampled: 07/27/2015 Date Received: 07/28/2015 Spectra Project: 2015070651 Spectra Number:1

Analyte	Result	Units	Method
Butylbenzylphthalate	<0.083	mg/Kg	SW846 8270D
Carbazole	<0.083	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Di-n-Butylphthalate	<0.083	mg/Kg	SW846 8270D
Di-n-Octyl Phthalate	<0.083	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Dibenzofuran	<0.083	mg/Kg	SW846 8270D
Dibenzothiophene	<0.083	mg/Kg	SW846 8270D
Diethylphthalate	<0.083	mg/Kg	SW846 8270D
Dimethyl Phthalate	<0.083	mg/Kg	SW846 8270D
Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Hexachlorobenzene	<0.083	mg/Kg	SW846 8270D
Hexachlorobutadiene	<0.083	mg/Kg	SW846 8270D
Hexachlorocyclopentadiene	<0.083	mg/Kg	SW846 8270D
Hexachloroethane	<0.083	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Isophorone	<0.083	mg/Kg	SW846 8270D
N-Nitroso-Di-n-Propylamine	<0.083	mg/Kg	SW846 8270D
N-Nitrosodiphenylamine	<0.083	mg/Kg	SW846 8270D
N-nitrosocimethylamine	<0.083	mg/Kg	SW846 8270D

Analyte	Result	Units	Method
Naphihalene	<0.033	mg/Kg	SW846 8270D
Nitrobenzene	<0.083	mg/Kg	SW846 8270D
Pentachlorophenol	<0.083	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Phenol	<0.083	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D
Pyridine	<0.33	mg/Kg	SW846 8270D
Tetrachlorophenol	<0.083	mg/Kg	SW846 8270D
bis(2-Chloroethoxy)Methane	<0.083	mg/Kg	SW846 8270D
bis(2-Ethylhexyl)Phthalate	<0.083	mg/Kg	SW846 8270D
bis(2-chloroisopropyl)Ether	<0.083	mg/Kg	SW846 8270D

Serrogate	Recovery	Method
2-Fivorophenol	42	SW846 8270D
Nitrobenzene-dő	66	SW846 8270D
Phenol-do	56	SW846 8270D
2-Fizorobiphenyi	55	SW846 8270D
SPECTRA LABORA	ATORIES	

Suntgate	Recordiny	Method
2,4,6-Tribromophenol	45	SW846 8270D
p-Terphenyl-ó14	62	8W846 8270D

Steve Hibbs, Laboratory Manager a14/rgh

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \* www.spectra-lab.com

August 6, 2015

Twiss Laboratories MP 26276 Twelve Trees Ln., Ste. C Poulsbo, WA 98370

Spectra Project# Sample Spiked: Date Extracted: Date Analyzed: Units: Applies to Spectra #s:

2015070851 Method Blank 8/3/2015 8/3/2015 mg/Kg #1

#### GCMS Semi-Volatile Organic Analysis, Method 8270D (Scan Mode) Blank Spike (LCS) Results in Soll/ Solids

Compound	Blank Conc.	Spike Added	LCS Conc,	L <b>CS</b> %Rec
Phenol	<0.08	2.60	1.77	71
2-Chlorophenol	<0.08	2.50	1.58	63
1,4-Dichlorobenzene	<0.08	1.67	0.71	43
N-Nitroso-DI-N-Propylamine	<0.08	1.67	1 <i>A</i> 9	69
1,2,4-Trichlorobenzene	<0.08	1.67	0,88	53
4-Chloro-3-Methylphenol	<0.08	2.50	1.91	76
Acenaphthene	<0,03	1.67	1.04	62
2,4-Dinitrotoluene	<0.08	1.67	0.84	50
4-Nitrophenol	<0.08	2.50	1,82	73
Pentachlorophenol	<0.08	2,50	1.73	69
Pyrene	<0.03	1.67	1.51	90
Surrogates				%Rec
2-Fluorophenol				64
Phenol-d5				87
Nitrobenzene-d5				101
2-Fluorobiphenyl				84
2,4,6-Tribromophenol				80
p-Terphenyl-d14				108

Sleven G. Hlbbs Laboratory Manager

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

#### August 6, 2015

ļ

WP 26276 Testve Trees Ln., Ste. C Poulebo, WA 96370	Sample Matter Spectra Project: Appice to:	8ali 2015070651 #1	Date Extracted: Date Analyzed; Ditution: ≺ = iest than	8/3/2018 8/3/2015 1
---	---	--------------------------	---	---------------------------

Compound		moñía	Compound	MGIN	<b>UD 02/Q</b>
Pyrkina		< 0.33	Acanachthana		
N-Nitrosodimethylamine		< 0.08	2.4-Dirizochenol		- 0.03
Anilins		< 0.33	4-Nimphonel		~ 0.00
Phenol		< 0.08	Dibeccolinan		
bla(2-Chloroethyl)Ethar		< 0.08	2.4-Dinimiziuene		- 0.00
2-Charophenol		< 0.08	2 6-Diational June 2		× 0.05
1,3-Dichlorobenzene		< 0.08	Dialty/obtaists		< 0.00
A-Dichiorobenzene		< 0.08	L.Chimphand.phendether		- 0.08
Serzyi Alcohol		< 0.08	Filtrana		4 0.00
,2-Dichlorobenzene		< 0.68	4-Nitrosoftice		0.03
Methylphenol		< 0.08	6 R.Dinkm. Alathanhand		< 0.08
ke(2-Chlorols'propyl)Ether		< 0.08	NENimorinhendenina		- 0.33
Methy/phenol		< 0.08	& Romenhard shandshar		< 0.08
Niroto-d-n-Propylamina		< 0.0a	Herechombergeon		< 0.05
lexachiorcethana		< 0.08	Parischicrophanel		× 0.05
Brobenzene		< D.03	Phononitrease		× 0.08
iophorone		< 0.03	Anitypeono		< 0,03
Norphanol		< 0.03	Durbationticalita		< 0.03
4-Dimethylphonel		: 0.03	Fluctacilizan		< 0,03
enzele Aold	,	0.33	Bavuldina		< 0.03
s(2-Chloroethoxy)methans		C.06	Pytena		5 U.0/
4-Dictriorophenol		0.08	Bullionzvinistinalata		< 0.03
2,4-Trichlorobenzene		: 0.05	3.3-Dichiomhaozidina		< 0.08
aphinsiona		0.03	Renzo(a)arthraceno		~ 0.07
Chicroaniline		0.08	his 2 athe house to		< 0.03
exectionabulaciene		0.08	Сружала		< 0.03
Chloro-S-Mathylphanol	4	0.08	Dimonte nativelate		~ 0.00
Liethyinaphthelene	•	0.03	Return bill an annotation		× 0.08
wachiorocyclopeniadiene		0.08	Barzolk/Flueractions		= 9.03 = 8.03
4,6-Trichlorophenal	<	0.08	Benzola)mene		< 0.03
4,5-Trichicrophenol	<	0.08	Intero(123-c downers		< 0.03
Chloronaphthalene	<	0.08	INDORACIA Maniferrana		• 0.03
Nizoenilina	-	0.08	Rentric h Doeniege		~ 0.03
methyl Philhaista	4	0.08	Carboolo		< 0.03
anaphinylene	<	0.03	Richard		< 0.08
Năroanii.ne	<	0.08	1 Maining anhibelang		< 0.08
			Cibern thinghouse		5 U.US
			Tetechomphanol		< 0.05
					< 0,00
		SUKKOGAJERE	CUVERES		
100602506-05	87	4	2-Fluorophenol	52	%
iluorobiphenyi	70	4	Phenoi-d5	73	*
iorphony4-d14	60	*	2.4.8-Tribromochanoj	12	ĸ

Steven G. Hibbs Leborelory Manager

2221 Ross Way \* Tacoma, WA 98421 \* (253) 272-4850 \* Fax (253) 572-9838 \* www.spectra-lab.com

-----

August 6, 2015

T

Twiss Laboratories 26276 Twelve Trees Ln., Ste. C Poulsbo, WA 98370

Spectra Project# Sample Spiked: Date Extracted: Date Analyzed: Units: Applies to Spectra #s:

2015070651 2015070651-1 8/4/2015 8/4/2015 mg/kg wet wt. 餠

### GCMS Semi-Volatile Organic Analysis, Method 8270D (Scan Mode) Matrix Spike/ Matrix Spike Duplicate Results in Soll

Compound	Sample	Spike	мя	MS	MSD	MSD	
	Conc.	Added	Conc.	%Rec	Conc	%Rec	RPD
Phenol	<0.08	2,50	1,38	55	1.43	57	3.3
2-Chiorophenol	<0.08	2.50	1.17	47	1.21	48	3.6
1,4-Dichkorobenzene	<0.08	1.67	0.77	46	0.80	48	3.8
N-Nitroso-Di-N-Propylamine	<0.08	1.67	1.11	66	1.17	70	5.0
1,2,4-Trichlorobenzene	<0.08	1.67	0.77	46	0.80	<b>4</b> B	3.8
4-Chloro-3-Methylphenol	<0.08	2.50	1.49	59	1.55	62	4.2
Aconaphthene	< 0.03	1.67	0.80	48	0,80	48	0.8
2,4-Dinitrotoluene	<0.08	1.67	0.69	41	0.68	40	2.1
4-Nitrophenol	<0.08	2.50	1.58	63	1.61	64	1.9
Pentachlorophenol	<0.08	2.50	1.48	59	1.51	61	2.5
Ругеле	<0.03	1.67	1.00	60	1.03	61	2.6

Steven G. Hibbs

Laboratory Manager

.

Twiss La 26276 T (360) 779-514	aboratories a sPECTRA Laboratories company fwelve Trees Lane, Suite C Poulsbo, WA 98370 41 FAX (360) 779-5150 www.twisslabs.com		
	Client Information	Test Parameters Requ	ulred
Company/Client_EnviroSound C	Consulting	uz IT	
Address: 3388 NW Byron Si	traet Suite 200	pA e5 pA e2 nZ e2 (H9T)ea	0 <u>\-</u> į
City: Sitverdate	State:_WAZpZ5	Pb Hg S Ph S Ph Hg S Ph S Ph S Ph S Ph S Ph S Ph S Ph S Ph	ciob: 
	Project Information	0 8AL 110) 9H0 4d	d IW Snou
Project Manager/Report To: S	ARMUN WILLIAMS	LIAS Sa CoD Sa CoD Sa CoD Sa CoD	
Project Name: SETT?	pleaperant Sampled by. Story (A.C.	As B As B C C C C C C C	ente la contra l
Telephone No: 3100 - 109	28-5950 Fax No. 346- 498-5929	20100010 10100010 1010000 1010000 1010000 1010000 1010000 1010000 1010000 1010000 1010000 1010000 10100000 10100000 10100000 10100000 10100000 10100000 10100000 101000000 1010000000 1010000000 10100000000	
Email address: Shawm	Q RANTA Samol MET	2 19dr M A7 A M	2 2 3
			Fecci
Sample ID	Date Time Matrix Hazard Lab ID	Circle the desired parameters above if multipl	e tests are listed on the same line
1 ESLIS-05A-51-52-1.5	07-2745 0000 SOIL NO 151462-		X
2			
3			
δ. 4			
9			
2			
8			
9			
12			
	C Hazardous sample disposal	I Special Instructions HoLD AN Seven Dec	PENding WITTO
	C Return to Client (Cost of disposal will be billed to cl	lient) the trescenting	
Sample Recolpt:		Signatarber(Name, Company, Date, Time)	
COC seals present? intact?	Relinquished by: Anna An Chol CAT With	AMAST company ESC Date	7/27/15 Time 400
Temp at receipt? °C	(Signation (Signation )	)	
Samples intact?	Received by. HAULENUL CLUS / MILLENG	Date Date / UNISS Date	7/2/1/5 Time 400
Received Via:	(Signature)		
Turn-around Time Requirement			
🗆 Standard (10 Business days)	Relinquished by:	Company Date	Tme
□ Rush (specify data needed)‡	(Signature)		
Other (specify)	Received by:	CompanyDate	Time
4 additional charges may apply	(print) (Signature)		
	Samples received after 12 noon will be a	considered as received the following business day	

l

ł

ł

Page \_\_\_\_ of \_\_\_\_

Rev. 1.1 11/04/14

C:/Users/amands/AppData/Local/Temp/Copy of COC Spoctra 110414.xis



2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

### 11/03/2015

Spectra Laboratories-Kitsap, LLC 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 153795 Project: Seitz Property ESC15-DSA-S5-1.5' Client ID: Soil Sample Matrix: Date Sampled: 10/19/2015 Date Received: 10/20/2015 Spectra Project: 2015100564 Spectra Number: 1

Analyte	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	< 0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	< 0.033	mg/Kg	SW846 8270D
Acenaphthene	< 0.033	mg/Kg	SW846 8270D
Acenaphthylene	< 0.033	mg/Kg	SW846 8270D
Anthracene	< 0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	< 0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	< 0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	< 0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Chrysene	< 0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Fluorene	< 0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	< 0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

Surrogate	% Recovery	Method
Nitrobanzena-dő	61	SW846 8270D
2-Faarobiphenyl	72	SW845 8270D
p-Terphenyl-di4	86	SW845 8270D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a5/mlh

2221 Ross Way • Tacoma, WA 98421 \* (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

#### 11/03/2015

Spectra Laboratories-Kitsap, LLC 9 26276 Twelve Trees Lane Suite C Poulsbo, WA 98370

P.O.#: 153795 Project: Seitz Property Client ID: ESC15-DSA-S6-1.5' Sample Matrix: Soil Date Sampled: 10/19/2015 Date Received: 10/20/2015 Spectra Project: 2015100564 Spectra Number: 2

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Method
1-Methylnaphthalene	< 0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	< 0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	< 0.033	mg/Kg	SW846 8270D
Anthracene	< 0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	< 0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	< 0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Chrysene	< 0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	< 0.033	mg/Kg	SW846 8270D
Fluorene	< 0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	< 0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	< 0.033	mg/Kg	SW846 8270D
Pyrene	< 0.033	mg/Kg	SW846 8270D

Surrogais	% Recovery	Method
2-Floorobiphenyi	70	SW846 8270D
Nitrobenzene-dő	59	SW846 8270D
p-Tepbenyl-di4	86	SWB45 8270D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a5/mih

SPEC 26276 TW (360) 779-5141	FRA Lab elve Traes L FAX (3	orator ane, Suit 560) 779-	ies – I e c Poul 5150	Citsap, sbo, WA (	LLC 8370 sslabs.d	шœ				ŀ										٦
	10	ant Inform	ation								Į	Test P	aramet	BI'S ROC	ulred	-	+	-		
Company/Client: EnviroSound Con	sulting								uz It By	U		ын)		q-e)a						
Address: 3388 NW Byron S	treet							·	3A 92 g A 92 lv	IZ OS IN		T\esse		udsouc						
Cithur Siltvertrialle Strate: WA	Zip: 96	383_		1				7	н он о 	1 oW 8		10.81		Outpol	\$n		MF			
	Pro-	oct Infor	mation						u Bb 	H 92	D	0)	1.9	 N	pion	 77				·
Project Manager/Report To:	Shawn Willia	SLI						sieuj	S 88 6 ebals: O 10	l nO þ	00			sinon	dsoy	79	NGM	Jai	07.0	
Project Name: Seitz Property			Sample	d by:	_A. Loc	atelli		ejuo ()	2A :sis M tust O Or	D sA	30D sc(A):	10 T0	bH PH	vmA M-eth	i leto	ζ	:000)			
Telephona No:360-698-5950 。			Fax No.	360-698	5929			) 10 16	s)9M wlog 8 2/	:sfe	90 45) :	Ş	λη αι :	N-4	" (/c L	₩Н				
Email address: _shawn@envirosou	Ind.net						I	equinn	ARCRA Priority AB	N 803	BOD BOD	WBH	sbilo2 bidiuT	Nitrate	Z LKN					
			Rid Address	Leran		ldel			ircle the	destre	d para	aeters	above	ff multi	ple test	a and the second	sted on	the sar		T
Sample ID					ľ	2795	10-	2								$\mathbf{x}$	_			
ESC15-DSA-S5-1.5	10/19/2015	10201			1 <u>5</u>	200	-07	~	-					-						Т
ESC15-DSA-S6-1.5'	ICENZIALIAL	200	3011		<b> </b>														-+-	T
								_		-+-								╧		
				-							+		+-	.	+					T I
											┼┤	┢╴┦	$\left  \cdot \right $		╞╼┦ ┥╺╁					[]
										-	╉		+			+				
								-+-			+		-		1.	╀	<u> </u>	<u>}-</u>		
											┼		+	-		-				
					-			<u> </u>			$\left  - \right $		$\left  \right $							
	Routine I	Disposal			ardous s	ample dispo	sal	Spec	ial Instru	ctions				1						
	C Return to	Client		(Cost of	disposal	will be billed to	o client)		Comos	nv Date	Timel									
Sample Receipt:													ł							
Total # of containers	Definantiche	Hu-MW	เล้าเก	Michel	1,	d. Ole	M		Compar	<u>v En</u>	100	nd (	Mal	र्दे	ate_ <i>10</i>	5427			54.	
COUC seals present and to C			(print)	9	(Sight	anna anna	ده الا	_ ]			ĝ	Ŕ	7			610	54	FY.	) J	
Remples intact?	Received by	R.	La le	Dar	Sino	(Ulle	ele r	Auc	Compai		ίĮ.		Ś	1	ate		2	Ě	2 )	
Received Via:			l(print)		(Sign	lature) 🖡														
Turm-around Time Requirement	- Balinmishe	2 by							Compa	No.					late		Ĩ	ime		
Rush (specify date needed)#			(print)		Bis)	tature)								-	-		F	•		
	Received b	, v						-	- Compa	P 2					Date					
‡ additional charges may apply	r		(print)	e meelve	(Sig) A after 1:	ature) 2 noon will	be consider	od as ro	celved ti	ne follon	ving bi	seular	s day							
																	C		4	

¥

dre0

.

### Attachment C



### Division of Environmental Health Office of Drinking Water

Help

Water Quality Exceedences View

WSID	WS Name	County Gr	) Type	Status	Src #	DOE Collect Src Date	Analyte Name	Result Quantity	UOM Code	Test Panel	Analyte Group	Sample Purpose	Sam #	Lab #
67613	AMBER WATER ASSOCIATION	KITSAP B		Act	- 01	4/15/1991	ARSENIC	0.100	mg/L	ICHEM	IOC	RC	04269	081
46117	LARSON WATER	KITSAP B		Act	01	3/11/1980	ARSENIC	0.065	mg/L	ICHEM	IOC	RC	03470	052
46117	LARSON WATER	KITSAP B		Act	01	2/19/1979	ARSENIC	0.061	mg/L	ICHEM	IOC	RC	03413	051
00700	THORS WELL ASSN	KITSAP B		Act	01	1/17/2006	ARSENIC	0.036	mg/L	IOC	IOC	RC	43407	010
AC483	Breidablik Baptist Church	KITSAP A	TNC	Act	01	7/22/2002	ARSENIC	0.032	mg/L	AR	IOC	RC	76120	010
AC242	YAQUINA	KITSAP B		PreAc	t 01	10/14/2010	ARSENIC	0.025	mg/L	IOC_SHORT	IOC	RC	04701	010
AC242	YAQUINA	KITSAP B		PreAc	t 01	7/15/2010	ARSENIC	0.020	mg/L	IOC_SHORT	IOC	RC	25601	010
AC242	YAQUINA	KITSAP B		PreAc	t 01	6/17/2010	ARSENIC	0.018	mg/L	IOC_SHORT	IOC	RC	37001	010
05122	NORTH PENINSULA	KITSAP A	Comm	n Act	13	6/15/2006	ARSENIC	0.016	mg/L	IOC	IOC	RC	55988	010
05122	NORTH PENINSULA	KITSAP A	Comm	n Act	13	6/13/2007	ARSENIC	0.016	mg/L	IOC_SHORT	IOC	RC	85739	010
05122	NORTH PENINSULA	KITSAP A	Comm	n Act	13	10/6/2010	ARSENIC	0.016	mg/L	IOC	IOC	RC	82301	010
92400	WALKER BEACH	KITSAP B		Act	02	7/6/1999	ARSENIC	0.016	mg/L	IOC	IOC	RC	35890	010
AC242	YAQUINA	KITSAP B		PreAc	t 01	7/15/2010	ARSENIC	0.016	mg/L	IOC_SHORT	IOC	RC	25602	010
<u>02600</u>	WEST SOUND UTILITY DISTRICT #1	KITSAP A	Comm	Act	14	15G014 4/19/1983	ARSENIC	0.015	mg/L	ICHEM	IOC	RC	<u>04344</u>	089
05122	NORTH PENINSULA	KITSAP A	Comm	n Act	13	2/7/2007	ARSENIC	0.015	mg/L	IOC_SHORT	IOC	RC	75862	010
23740	ERICKSON	KITSAP B		Act	01	15G502 3/18/2007	ARSENIC	0.015	mg/L	IOC	IOC	RC	78974	010
66936	BUCKLIN	KITSAP A	Comm	Act	01	15G493 2/14/2007	7 ARSENIC	0.014	mg/L	AR	IOC	RC	<u>14983</u>	089
66936	BUCKLIN	KITSAP A	Comm	Act	01	15G493 4/24/2007	7 ARSENIC	0.014	mg/L	AR	IOC	RC	16015	089
AB876	TOAD HOLLER	KITSAP A	NTNC	Act	01	1/6/2010	ARSENIC	0.014	mg/L	AR	IOC	RC	20203	010
AB876	TOAD HOLLER	KITSAP A	NTNC	Act	01	4/12/2011	ARSENIC	0.014	mg/L	AR	IOC	RC	38401	010
AB876	TOAD HOLLER	KITSAP A	NTNC	Act	01	7/12/2011	ARSENIC	0.014	mg/L	AR	IOC	RC	75301	010
05122	NORTH PENINSULA	KITSAP A	Comm	n Act	13	6/15/2006	ARSENIC	0.013	mg/L	IOC_SHORT	10C	RC	55987	010
05122	NORTH PENINSULA	KITSAP A	Comm	n Act	13	7/27/2010	ARSENIC	0.013	mg/L	AR	IOC	RC	60002	010
24800	FERNCLIFF	KITSAP A	Comm	n Act	02	9/5/2006	ARSENIC	0.013	mg/L	IOC	IOC	RC	64585	010
66936	BUCKLIN	KITSAP A	Comm	Act	01	15G493 8/23/2006	ARSENIC	0.013	mg/L	IOC_SHOR	T IOC	RC	11852	089

ARSENIC CONCENTRATIONS EXCEEDING DRINKING WATER STANDARDS IN REGULATED WATER SUPPLY WELLS, KITSAP COUNTY, WASHINGTON

 KEY:
 I
 I

 I
 I
 I

 I
 I
 I