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By Alameda County Environmental Health 3:23 pm, Apr 29, 2015

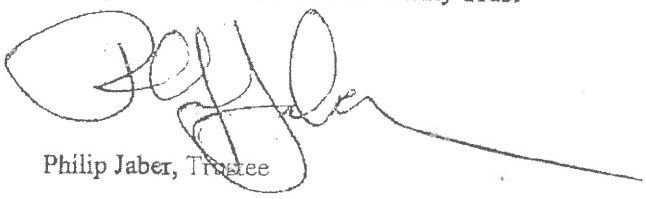
Mr. Mark Detterman
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Former Olympic Service Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTacker No. T0600102256

Dear Mr. Detterman:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,
George and Frida Jaber 1989 Family Trust



Philip Jaber, Trustee

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

April 27, 2015
Project No. 2115-1436-01

Mr. Mark Detterman
Alameda County Health Care Services Agency
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Remediation Status Report and Results of First Quarter 2015 Groundwater Monitoring and Sampling Event**
Former Olympic Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTracker No. T0600102256

Dear Mr. Detterman:

On behalf of Mr. Philip Jaber and the George and Frida Jaber 1989 Family Trust, Stratus Environmental, Inc. (Stratus) is submitting the attached report, for the Former Olympic Station located at 1436 Grant Avenue in San Lorenzo, California (the site, see Figure 1). If you have any questions or comments concerning this report, please contact Gowri Kowtha at gkowtha@stratusinc.net or (530) 676-6001 or Scott Bittinger at (530) 676-2062.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

PROFESSIONAL GEOLOGIST
Scott G. Bittinger
No. 7477
STATE OF CALIFORNIA

Scott G. Bittinger, P.G
Project Manager

Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Remediation Status Report and Results of First Quarter 2015 Groundwater Monitoring and Sampling Event

cc: Mr. Philip Jaber

April 27, 2015

FORMER OLYMPIC STATION
REMEDIATION STATUS REPORT AND RESULTS OF FIRST QUARTER 2015 GROUNDWATER MONITORING AND SAMPLING EVENT

Facility Address:	1436 Grant Avenue, San Lorenzo, CA
Consulting Co. / Contact Person:	Stratus Environmental, Inc. / Gowri Kowtha, P.E.
Consultant Project No:	2115-1436-01
Primary Agency/Regulatory ID No:	Mark Detterman, Alameda County Environmental Health Department (ACEHD) / Case No. RO0000373

WORK PERFORMED THIS PERIOD (Mid-December 2014 through March 2015):

1. Stratus continued operation of the DPE remediation system. Operation and maintenance (O&M) visits for the DPE system were performed on January 5 and 19, February 2 and 16, and March 10 and 23, 2015. On March 23, 2015, DPE was temporarily discontinued (pulsed operation).

2. On February 2, 2015, two wells (MW-5A and MW-6A) were gauged and sampled.

WORK PROPOSED FOR NEXT PERIOD (Second Quarter 2015):

1. Stratus performed the second quarter 2015 groundwater monitoring and sampling event on April 14, 2015.

2. Stratus will re-start the DPE system in late April or early May 2015. The system will be modified, however, to initiate extraction using wells MW-5A and MW-6A.

3. Stratus intends to prepare and submit a work plan to complete additional subsurface site assessment work. In developing the work scope, ACEHD has requested that historical site data be summarized in a focused 'Site Conceptual Model', and that the proposed scope of work be developed to address 'data gaps' identified in the SCM.

Current Phase of Project:	CAP/REM (Start-up)
Frequency of Groundwater Monitoring:	All Wells = Semi-Annual (second and fourth calendar quarters); Wells MW-5A and MW-6A also gauged during the first and third calendar quarters to assess purge volumes for sampling
Frequency of Groundwater Monitoring and Sampling:	All Wells (except MW-5A and MW-6A) = Semi-Annual (second and fourth calendar quarters); Wells MW-5A and MW-6A sampled quarterly per 9/17/14 directive from ACEHD
Groundwater Sampling Date:	February 2, 2015
Is Free Product (FP) Present on Site:	No
Approximate Depth to Groundwater:	6.90 to 7.13 feet below top of well casing under active DPE conditions
Groundwater Flow Direction:	Not evaluated

Groundwater Gradient: Not evaluated

DPE SYSTEM QUARTERLY OPERATION AND PERFORMANCE:

Equipment Inventory:	350 cubic feet per minute (cfm) thermal oxidizer, and two 1,000 pound liquid-phase granular activated carbon vessels, connected in-series.
Extraction Wells:	EX-1 through EX-7
Operating Mode:	Thermal
BAAQMD Permit Nos.:	Plant No. 21776
Influent Air: GRO End of Period (lab):	22 milligrams per cubic meter (mg/m^3) (3/10/15)
Influent Air: Benzene End of Period (lab):	<0.20 mg/m^3 (3/10/15)
Influent Air: MTBE End of Period (lab):	0.52 mg/m^3 (3/10/15)
Flow Rate End of Period:	73.6 acfm (3/10/15)
Applied Vacuum End of Period:	20 inches of water column ("WC) (3/10/15)
Soil vapor: GRO Removed this Period:	9.1 lbs (between 12/4/14 and 3/23/15)
Cumulative GRO Removed in Soil Vapor:	941.3 lbs (between 7/21/14 and 3/23/15)
Influent Groundwater: GRO End of Period (lab):	<50 µg/L (3/10/15)
Influent Groundwater: Benzene End of Period (lab):	1.5 µg/L (3/10/15)
Influent Groundwater: MTBE End of Period (lab):	21 µg/L (3/10/15)
Average Groundwater Extraction Rate :	6.5 gpm (between 3/23/15)
Groundwater: GRO Removed this Period:	0.008 lbs (between 12/4/14 and 3/23/15)
Cumulative GRO Removed in Groundwater:	0.66 lbs (between 7/21/14 and 3/23/15)
Groundwater Removed this Period:	306,340 gallons (between 12/4/14 and 3/23/15)
Cumulative Groundwater Removed:	867,340 gallons (between 7/21/14 and 3/23/15)
Operating Hours This Period:	458.0 hours (between12/16/14 and 3/23/15)
Number of Shutdowns:	6

GROUNDWATER MONITORING AND SAMPLING EVENT:

An electronic water level sounder was used to gauge depth to water levels in wells MW-5A and MW-6A. Following gauging, purge groundwater samples were collected from both of these wells. Groundwater samples collected from the wells were analyzed at a state-certified analytical laboratory for gasoline range organics (GRO) by EPA Method SW8015B/SW8260B and for benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method SW8260B. Well construction details are summarized in Table 1, and historical groundwater elevation and analytical data are summarized in Table 2. Field data sheets documenting measurements and observations obtained by Stratus personnel, a description of sampling and analyses procedures utilized, and laboratory analytical reports with chain-of-custody records are included in Appendix A, B, and C, respectively. Depth to groundwater measurements and sample analytical results have been uploaded to the State of California's GeoTracker database and documentation of this data uploading is provided in Appendix D.

The highest concentrations of fuel contaminants in groundwater were detected in monitoring wells installed to a depth of 10 feet bgs, approximately 2.5 to 3 feet below the current groundwater table at the site. Lower concentrations of fuel contaminants were reported in samples collected from the other

monitoring/remediation wells, which have been installed to depths ranging from approximately 20 to 26 feet bgs. Figure 3 presents a summary of GRO, benzene, and MTBE concentrations in groundwater for samples collected on February 2, 2015, from the 10-foot depth wells, respectively.

Data from wells MW-5A and MW-6A continue to show a declining trend in petroleum hydrocarbon / fuel oxygenate concentrations, likely due to operation of the DPE remediation system (see Table 2). GRO was detected in wells MW-5A and MW-6A at concentrations of 10,000 micrograms per liter (µg/L) and 14,000 µg/L, respectively, and benzene was detected in the MW-5A and MW-6A samples at levels of 970 µg/L and 1,100 µg/L, respectively. MTBE (35 µg/L) was also detected at well MW-6A.

REMEDIAL ACTION SUMMARY

The DPE system consists of a portable 350 cubic feet per minute (cfm) thermal oxidizer owned by CBA Equipment, LLC and permitted to operate by the Bay Area Air Quality Management District (BAAQMD). Soil vapors and groundwater are extracted from the subsurface and then conveyed to the remediation system through above ground piping protected by traffic rated speed bumps. Wells EX-1 through EX-7 are manifold to the remediation system. Groundwater and soil vapors are extracted from a combination of wells intermittently to maximize the systems efficiency. In-well drop tubes (stingers) are used to extract soil vapors and groundwater from each well. Soil vapors are abated on-site through the thermal oxidizer and discharged to the atmosphere. Groundwater is extracted from the subsurface and treated on-site using two 1,000-pound GAC vessels, and then discharged to the sanitary sewer under approved discharge permit (Oro Loma Sanitary Sewer District). The approximate locations of the remedial equipment, above ground conveyance piping, and sewer discharge point are depicted on Figure 2. A process flow diagram of the remediation equipment is presented in Figure 4.

During the first quarter 2015, Stratus technicians conducted six O&M site visits on January 5 and 19, February 2 and 16, and March 10 and 23, 2015. Field data sheets documenting measurements and observations collected during each visit are included in Appendix A. Stratus personnel optimized the system performance by adjusting the depth of the drop tubes (stingers) and extracting from various select wells. Magnehelic gauges are placed within wells MW-1 through MW-4, MW-5A, and MW-6A to measure induced vacuum, and a hand-operated electric water-level sounder was used to measure depth to groundwater in each of these six wells. The remediation system is equipped to measure the extraction rates (soil vapor and groundwater flow rates). A flow totalizer is installed to record the volume of treated water extracted and discharged to the sanitary sewer. Influent and effluent soil vapor concentrations are also monitored using a photo-ionization detector (PID).

Between December 16, 2014 and March 23, 2015, the remediation system operated for approximately 458 hours. Influent soil vapor extraction flow rates were observed between 73 and 98 cubic feet per minute (cfm) under an applied vacuum ranging between 17 to 20 inches of mercury ("Hg). Induced vacuum up to 4.77 inches water column (WC) was measured in MW-3, and as high as 0.59 inches WC was measured in well MW-6A, which is located approximately 50 feet from the closest extraction well. Fairly significant draw down has continued to be observed in the monitoring wells, indicating a very good radius of influence for the DPE system. Tables 3 through 9 provide a summary of data pertaining from use of the DPE system.

Soil vapor samples were collected from the system in laboratory-supplied 1-liter Tedlar bags, placed in protective containers, and stored at ambient air temperature. Groundwater samples were collected in laboratory supplied glass VOAs and stored in ice-chilled coolers. Strict chain-of-custody procedures were followed from the time samples were collected, until the time samples were relinquished to the state-certified analytical laboratory. Soil vapor samples were analyzed by Pace Analytical (ELAP No. 08263CA), and groundwater samples were analyzed by Alpha Analytical, Inc (ELAP No. 2019). The soil vapor samples were analyzed for GRO, BTEX, and MTBE using USEPA Method 8260B. Groundwater samples

were analyzed for GRO using USEPA Method SW8015B/SW8260B, and for BTEX and MTBE using USEPA Method SW8260B. Analytical data for these samples is included in Appendix C and documentation of GeoTracker data uploading is provided in Appendix D.

During the first quarter 2015, influent GRO concentrations fluctuated between less than 20 micrograms per liter (µg/L) and 24 µg/L. Influent benzene concentrations decreased from 0.45 µg/L to less than 0.20 µg/L, while influent MTBE concentrations were observed to increase from 0.39 to 0.52 µg/L. No petroleum hydrocarbons or MTBE were detected in the effluent air samples; therefore, the remediation system is operating in compliance with the BAAQMD permit for the equipment. Using the available analytical data and information collected during O&M site visits (air flow rates, hour meter readings, etc.), Stratus estimates that approximately 9.1 pounds of GRO were removed from the subsurface, in the vapor phase, between December 4, 2014 and March 23, 2015, and a total of 941.3 pounds of GRO has been removed from the subsurface, in the vapor phase, since startup July 21, 2014 through March 23, 2015 (see Table 6).

Between December 4, 2014 and March 23, 2015, approximately 306,340 gallons of groundwater were extracted from the subsurface, treated on-site, and discharged to the sanitary sewer system. Based on flow totalizer measurements, groundwater is being extracted at a rate of approximately 6.5 gallons per minute (gpm; see Table 9). Influent concentrations of fuel contaminants in groundwater are relatively low, and therefore, contaminant mass removal in the dissolved phase is low (see Tables 7 and 9). No petroleum hydrocarbons or MTBE were detected in effluent groundwater, and the GAC groundwater treatment system appears to be operating in compliance with Oro Loma Sanitary Sewer District discharge requirements.

DISCUSSION:

ACEHD has requested a work plan to perform additional environmental site assessment work, in particular west-southwest of wells MW-5A and MW-6A, where the highest GRO and BTEX concentrations are detected in shallow groundwater. Since initiation of DPE in July 2014, concentrations of GRO and BTEX have generally declined at wells MW-5A and MW-6A; however, contaminant levels at these two wells remain higher than in other areas of the site and the contaminant plume cannot be fully assessed using the existing monitoring well network.

Following a review of this document by ACEHD, Stratus will contact the agency to verify that preparation of the work plan to further assess the extent of impact near the site remains necessary. If appropriate, Stratus can transmit data from the second quarter 2015 well sampling event to ACEHD to assist in the decision as to whether additional site assessment work remains necessary.

LIMITATIONS

This document was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This document is solely for the use and information of our client unless otherwise noted.

ATTACHMENTS:

- Table 1 Well Construction Detail Summary
- Table 2 Groundwater Elevation and Analytical Summary
- Table 3 Operational Uptime and Flow Summary – DPE Remediation Event
- Table 4 Induced Vacuum and Depth to Water Measurement Summary – DPE Remediation Event
- Table 5 SVE Component – Analytical Results and Flow Rates – DPE Remediation Event
- Table 6 SVE Component – Extraction and Emission Rates – DPE Remediation Event
- Table 7 Groundwater Extraction Component – Groundwater Analytical Data Summary - DPE Remediation Event (Petroleum Hydrocarbons and MTBE)
- Table 8 Groundwater Extraction Component – Groundwater Analytical Data Summary - DPE Remediation Event (Non-Fuel Contaminant Analyses Required for Sewer Discharge Permit)
- Table 9 Groundwater Extraction Component – Operational Performance and Mass Removal Summary - DPE Remediation Event
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Groundwater Analytical Summary 10' Depth Monitoring Wells, First Quarter 2015
- Figure 4 Process Flow Diagram
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Confirmations

TABLE 1
WELL CONSTRUCTION DETAIL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Boring/Well I.D.	Date	Boring Depth (feet)	Boring Diameter (inches)	Well Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
Groundwater Monitoring Wells								
MW-1	09/24/99	26.5	8	2	5 - 26.5	0.020	HSA	Aqua Science Engineers
MW-2	09/24/99	20	8	2	5-20	0.020	HSA	Aqua Science Engineers
MW-3	09/24/99	21.5	8	2	5-21	0.020	HSA	Aqua Science Engineers
MW-4	02/09/10	10	10	4	5-10	0.020	Air Knife	Conestoga-Rovers & Associates
MW-5A	05/28/14	10	8	2	5-10	0.020	HSA	Stratus Environmental
MW-5B	05/28/14	20	8	2	15-20	0.020	HSA	Stratus Environmental
MW-6A	05/28/14	10	8	2	5-10	0.020	HSA	Stratus Environmental
MW-6B	05/28/14	20	8	2	15-20	0.020	HSA	Stratus Environmental
Extraction Wells								
EX-1	05/19/11	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-2	05/19/11	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-3	05/19/11	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-4	02/20/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-5	02/20/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-6	02/21/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-7	02/20/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
Injection Wells								
IW-1	05/20/11	11.5	8	0.75	9.5-11.5	microporous	HSA	Stratus Environmental
IW-2	05/20/11	16	8	0.75	14-16	microporous	HSA	Stratus Environmental

Notes:
HSA = Hollow Stem Auger
Data regarding the construction of wells MW-1 through MW-4 obtained from groundwater monitoring reports prepared by Conestoga-Rovers & Associates

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-1	10/06/99	8.35	15.00	6.65	--	--	84**	3,900*	<25	<25	<25	<25	3,500	--	--	--	--	--	--	--
	01/13/00	7.90		7.10	--	--	<50	<1,300	18	<13	<13	<13	1,700	--	--	--	--	--	--	--
	04/12/00	7.08		7.92	--	--	56***	<1,000	66	<10	<10	<10	1,600	--	--	--	--	--	--	--
	07/19/00	7.66		7.34	--	--	52**	<1,000	<10	<10	<10	<10	1,200	--	--	--	--	--	--	--
	10/25/00	7.91		7.09	--	--	76***	4,100*	120	<25	<25	<25	6,100	--	--	--	--	--	--	--
	02/16/07	6.32		8.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.88		9.12	--	<250	<50	<50	<1.2	<1.2	<1.2	<1.2	78	<1.2	<1.2	<1.2	<12	<120	<1.2	<1.2
	05/01/07	7.24	15.71	8.47	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	250	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	08/01/07	7.77		7.94	--	--	<50	<50	<25	<25	<25	<25	520	<25	<25	<25	<250	<2,500	<25	<25
	11/01/07	7.71		8.00	--	--	<50	<50	<12	<12	<12	<12	460	<12	<12	<12	<120	<1,200	<12	<12
	02/01/08	5.71		10.00	--	--	<50	<50	<2.5	<2.5	<2.5	<2.5	110	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5
	05/02/08	7.52		8.19	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	240	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0
	08/01/08	8.02		7.69	--	--	<50	<50	<10	<10	<10	<10	500	<10	<10	<10	<40	<1,000	<10	<10
	11/04/08	7.28		8.43	--	--	<50	<50	<5.0	<5.0	<5.0	<5.0	260	<5.0	<5.0	<5.0	26	<500	<5.0	<5.0
	08/11/09	8.08		7.63	--	--	<50	<50	<5.0	<5.0	<5.0	<5.0	270	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0
	02/03/10	6.14		9.57	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	39	--	--	--	--	--	--	--
	05/18/10	7.09		8.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/05/10	7.65		8.06	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	350	--	--	--	--	--	--	--
	02/04/11	7.20		8.51	--	--	--	<50	0.90	<0.5	<0.5	<0.5	62	--	--	--	--	--	--	--
	06/03/11	7.28	18.60	11.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/02/11	7.47		11.13	--	--	--	120	<0.50	<0.50	<0.50	<0.50	160	--	--	--	--	--	--	--
	09/29/11	7.83		10.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	7.03		11.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	7.55		11.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/11	7.81		10.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/12	6.45		12.15	--	--	--	55	<0.50	<0.50	<0.50	<0.50	71	--	--	--	--	--	--	--
	08/28/12	7.81		10.79	--	--	--	120	<0.50	<0.50	<0.50	<0.50	240	--	--	--	--	--	--	--
	02/27/13	7.32		11.28	--	--	--	61	<0.50	<0.50	<0.50	<0.50	69	--	--	--	--	--	--	--
	08/26/13	8.05		10.55	--	--	--	470	<0.50	<0.50	<0.50	<0.50	590	--	--	--	--	--	--	--
	06/19/14	7.86		10.74	--	--	--	190	<0.50	<0.50	<0.50	<0.50	230	--	--	--	--	--	--	--
	11/25/14	7.45		11.15	--	--	--	51	<0.50	<0.50	<0.50	<0.50	100	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-2	10/06/99	7.87	14.46	6.59	<1,000	500[3]	<50	70*	<0.5	<0.5	<0.5	<0.5	11	--	--	--	--	--	--	--
	01/13/00	7.46		7.00	<1,000	500[3]	<50	<50	<0.5	<0.5	<0.5	<0.5	6.2	--	--	--	--	--	--	--
	04/12/00	6.67		7.79	1,100	<500	<50	<50	<0.5	<0.5	<0.5	<0.5	39	--	--	--	--	--	--	--
	07/19/00	7.23		7.23	1,300	<500	<50	<1,000	<10	<10	<10	<10	990	--	--	--	--	--	--	--
	10/25/00	7.52		6.94	--	<500	<50	370	<2.5	<2.5	<2.5	<2.5	690	--	--	--	--	--	--	--
	02/16/07	5.89		8.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.45		9.01	--	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	9.8	<0.5	<0.5	<0.5	<5.0	<50	<0.5	<0.5
	05/01/07	6.83	15.17	8.34	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	120	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	08/01/07	7.35		7.82	--	--	<50	<50	<5.0	<5.0	<5.0	<5.0	130	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	11/01/07	7.27		7.90	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5	<0.5	<5.0	<50	<0.5	<0.5
	02/01/08	5.25		9.92	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	3.3	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5
	05/02/08	7.12		8.05	--	--	<50	<50	<2.5	<2.5	<2.5	<2.5	83	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5
	08/01/08	7.59		7.58	--	--	<50	<50	<1.0	<1.0	<1.0	<1.0	52	<1.0	<1.0	<1.0	<4.0	<100	<1.0	<1.0
	11/04/08	6.84		8.33	--	--	80	<50	<0.5	<0.5	<0.5	<0.5	5.9	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5
	08/11/09	7.65		7.52	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	9.4	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5
	02/03/10	5.75		9.42	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.86	--	--	--	--	--	--	--
	05/18/10	6.67		8.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/05/10	7.25		7.92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	57	--	--	--	--	--	--	--
	02/04/11	6.79		8.38	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.4	--	--	--	--	--	--	--
	06/03/11	6.82	18.00	11.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/02/11	7.06		10.94	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	46	--	--	--	--	--	--	--
	09/29/11	7.39		10.61	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	41	<1.0	<1.0	<1.0	<10	--	--	<1.0
	10/12/11	6.62		11.38	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	37	<1.0	<1.0	<1.0	<10	--	--	<1.0
	11/09/11	7.11		10.89	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	33	<1.0	<1.0	<1.0	<10	--	--	<1.0
	12/12/11	7.35		10.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/12	5.98		12.02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.3	--	--	--	--	--	--	--
	08/28/12	7.39		10.61	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	35	--	--	--	--	--	--	--
	02/27/13	6.91		11.09	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	12	--	--	--	--	--	--	--
	08/26/13	7.61		10.39	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	6.2	--	--	--	--	--	--	--
	06/19/14	7.73		10.27	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	13	--	--	--	--	--	--	--
	11/25/14	7.03		10.97	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	0.67	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-3	10/06/99	7.90	14.41	6.51	--	--	300**	3,900	900	89	160	560	790	--	--	--	--	--	--	--
	01/13/00	7.50		6.91	--	--	210**	740	110	4.8	35	18	290	--	--	--	--	--	--	--
	04/12/00	6.61		7.80	--	--	640***	2,200	650	9.7	180	24	140	--	--	--	--	--	--	--
	07/19/00	7.24		7.17	--	--	270**	2,700*	420	<2.5	160	<2.5	99	--	--	--	--	--	--	--
	10/25/00	7.52		6.89	--	--	150	710*	180	<2.5	24	<2.5	71	--	--	--	--	--	--	--
	02/16/07	5.90		8.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.44		8.97	--	<250	<50	82	20	<1.7	<1.7	<1.7	100	<1.7	<1.7	<1.7	<17	<170	<1.7	<1.7
	05/01/07	6.87	15.13	8.26	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	88	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	08/01/07	7.40		7.73	--	--	<50	130	12	<2.5	<2.5	<2.5	98	<2.5	<2.5	<2.5	<25	<250	<2.5	<2.5
	11/01/07	7.35		7.78	--	--	<50	77	<2.5	<2.5	<2.5	<2.5	68	<2.5	<2.5	<2.5	<25	<250	<2.5	<2.5
	02/01/08	5.28		9.85	--	--	<50	<50	<2.5	<2.5	<2.5	<2.5	97	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5
	05/02/08	7.15		7.98	--	--	<50	68	2.3	<1.7	<1.7	<1.7	86	<1.7	<1.7	<1.7	7.2	<170	<1.7	<1.7
	08/01/08	7.66		7.47	--	--	<50	85	3.5	<1.0	<1.0	<1.0	66	<1.0	<1.0	<1.0	7.2	<100	<1.0	<1.0
	11/04/08	6.96		8.17	--	--	<50	<50	<1.0	<1.0	<1.0	<1.0	40	<1.0	<1.0	<1.0	<4.0	<100	<1.0	<1.0
	08/11/09	7.72		7.41	--	--	<50	110	33	<0.50	<0.50	<0.50	28	<0.50	<0.50	<0.50	<2.0	<50	<0.50	<0.50
	02/03/10	5.72		9.41	--	--	--	<50	0.55	<0.50	<0.50	<0.50	25	--	--	--	--	--	--	--
	05/18/10	6.73		8.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/05/10	7.31		7.82	--	--	--	450	110	2.2	0.76	0.64	32	--	--	--	--	--	--	--
	02/04/11	6.80		8.33	--	--	--	220[1]	64	1.6	<0.5	<0.5	36	--	--	--	--	--	--	--
	06/03/11	6.87	17.95	11.08	--	--	--	200	26	<0.50	<0.50	<0.50	34	--	--	--	--	--	--	--
	08/02/11	7.07		10.88	--	--	--	<50	2.5	<0.50	<0.50	<0.50	36	--	--	--	--	--	--	--
	09/29/11	7.43		10.52	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	28	<1.0	<1.0	<1.0	<10	--	--	<1.0
	10/12/11	6.67		11.28	--	--	--	<50	0.91	<0.50	<0.50	<0.50	32	<1.0	<1.0	<1.0	<10	--	--	<1.0
	11/09/11	7.16		10.79	--	--	--	<50	1.8	<0.50	<0.50	<0.50	31	<1.0	<1.0	<1.0	<10	--	--	<1.0
	12/12/11	7.42		10.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/12	6.21		11.74	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	--	--	--	--
	08/28/12	7.44		10.51	--	--	--	<50	6.5	<0.50	<0.50	<0.50	24	--	--	--	--	--	--	--
	02/27/13	6.90		11.05	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	18	--	--	--	--	--	--	--
	08/26/13	7.72		10.23	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	34	--	--	--	--	--	--	--
	06/19/14	7.50		10.45	--	--	--	<50	2.3	<0.50	<0.50	<0.50	16	--	--	--	--	--	--	--
	11/25/14	7.11		10.84	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	20	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-4	05/18/10	6.68	15.15	8.47	--	--	--	13,000	620	36	170	12	1,200	--	--	--	--	--	--	--
	08/05/10	7.25		7.90	--	--	--	9,200	780	13	230	4.3	1,800	--	--	--	--	--	--	--
	02/04/11	6.71		8.44	--	--	--	4,800[1]	350	7.1	23	<2.5	440	--	--	--	--	--	--	--
	06/03/11	6.78	17.99	11.21	--	--	--	4,700	350	2.6	19	<2.5[2]	670	--	--	--	--	--	--	--
	08/02/11	7.01		10.98	--	--	--	4,700	290	<2.5[2]	12	<2.5[2]	970	--	--	--	--	--	--	--
	09/29/11	7.37		10.62	--	--	--	8,700	590	<5.0[2]	34	<5.0[2]	1,500	<10[2]	28	<10[2]	<100[2]	--	--	<10[2]
	10/12/11	6.61		11.38	--	--	--	1,500	160	<1.0[2]	1.8	<1.0[2]	1,300	<2.0[2]	8.6	<2.0[2]	42	--	--	<2.0[2]
	11/09/11	7.18		10.81	--	--	--	2,800	190	1.4	9.6	1.3	720	<2.0[2]	3.6	<2.0[2]	270	--	--	<2.0[2]
	12/12/11	7.36		10.63	--	--	--	3,800	300	2.4	11	2.5	1,200	--	--	--	--	--	--	--
	03/15/12	6.15		11.84	--	--	--	8,300	530	<5.0[2]	120	72	3,700	--	--	--	--	--	--	--
	08/28/12	7.40		10.59	--	--	--	2,400	250	<4.0[2]	14	<4.0[2]	1,400	--	--	--	--	--	--	--
	02/27/13	6.85		11.14	--	--	--	2,400	160	2.5	8.2	<2.0[2]	1,400	--	--	--	--	--	--	--
	08/26/13	7.69		10.30	--	--	--	4,900	220	<2.5[2]	5.7	<2.5[2]	2,400	--	--	--	--	--	--	--
	06/19/14	7.48		10.51	--	--	--	6,000	260	<4.0[2]	8.8	<4.0[2]	1,600	--	--	--	--	--	--	--
	11/25/14	7.00		10.99	--	--	--	2,900	72	<5.0[2]	<5.0[2]	<5.0[2]	4,500	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5A	06/19/14	7.53	17.94	10.41	--	--	--	21,000	2,000	<25[2]	1,400	650	<25[2]	--	--	--	--	--	--	--
	09/19/14	8.61		9.33				18,000	1,900	11	1,200	839.9	<5[2]	--	--	--	--	--	--	--
	11/25/14	7.47		10.47	--	--	--	14,000	1,500	<10[2]	1,100	570	<10[2]	--	--	--	--	--	--	--
	02/02/15	6.90		11.04	--	--	--	10,000	970	<20[2]	480	180	<20[2]	--	--	--	--	--	--	--
MW-5B	06/19/14	7.52	17.92	10.40	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	32	--	--	--	--	--	--	--
	11/25/14	7.18		10.74	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	10	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	06/19/14	7.66	18.05	10.39	--	--	--	43,000	3,300	<50[2]	2,000	3,100	77	--	--	--	--	--	--	--
	09/19/14	8.80		9.25				28,000	3,400	19	2,000	1,900	45	--	--	--	--	--	--	--
	11/25/14	7.56		10.49	--	--	--	23,000	2,800	16	1,500	1,730	160	--	--	--	--	--	--	--
	02/02/15	7.13		10.92	--	--	--	14,000	1,100	<20[2]	490	350	35	--	--	--	--	--	--	--
MW-6B	06/19/14	7.32	17.69	10.37	--	--	--	86	<0.50	<0.50	<0.50	<0.50	82	--	--	--	--	--	--	--
	11/25/14	6.98		10.71	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	51	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
EX-1	06/03/11	6.96	18.14	11.18	--	--	--	76	8.3	<0.50	<0.50	0.99	37	--	--	--	--	--	--	--
	08/02/11	7.20		10.94	--	--	--	420	37	0.65	3.5	2.9	32	--	--	--	--	--	--	--
	09/29/11	7.53		10.61	--	--	--	150	13	<0.50	3.2	1.1	23	<1.0	1.2	<1.0	<10	--	--	<1.0
	10/12/11	6.63		11.51	--	--	--	180	23	0.51	2.8	0.97	27	<1.0	1.0	<1.0	<10	--	--	<1.0
	11/09/11	7.28		10.86	--	--	--	<50	4.3	<0.50	<0.50	<0.50	34	<1.0	<1.0	<1.0	<10	--	--	<1.0
	12/12/11	7.50		10.64	--	--	--	520	32	1.3	13	5.58	20	--	--	--	--	--	--	--
	03/15/12	6.19		11.95	--	--	--	<50	2.6	<0.50	<0.50	<0.50	8.4	--	--	--	--	--	--	--
	08/28/12	7.53		10.61	--	--	--	410	88	1.2	36	1.4	42	--	--	--	--	--	--	--
	02/27/13	7.02		11.12	--	--	--	<50	0.75	<0.50	<0.50	<0.50	14	--	--	--	--	--	--	--
	08/26/13	NM		NM	Well Covered by Car - No Sample Collected															
	06/19/14	7.59		10.55	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	19	--	--	--	--	--	--	--
	11/25/14	6.95		11.19	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	15	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX-2	06/03/11	6.81	18.14	11.33	--	--	--	760	<1.5[2]	<1.5[2]	<1.5[2]	<1.5[2]	1,100	--	--	--	--	--	--	--
	08/02/11	7.03		11.11	--	--	--	920	8.7	<1.0[2]	<1.0[2]	<1.0[2]	920	--	--	--	--	--	--	--
	09/29/11	7.37		10.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	6.65		11.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	7.08		11.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/11	7.35		10.79	--	--	--	590	5.6	<1.0[2]	<1.0[2]	<1.0[2]	920	--	--	--	--	--	--	--
	03/15/12	6.58		11.56	--	--	--	100	<0.50	<0.50	<0.50	<0.50	130	--	--	--	--	--	--	--
	08/28/12	7.35		10.79	--	--	--	<300[2]	2.5	<1.5[2]	<1.5[2]	<1.5[2]	540	--	--	--	--	--	--	--
	02/27/13	6.82		11.32	--	--	--	320	0.51	<0.50	<0.50	<0.50	420	--	--	--	--	--	--	--
	08/26/13	7.56		10.58	--	--	--	270	<0.50	<0.50	<0.50	<0.50	340	--	--	--	--	--	--	--
	06/19/14	7.37		10.77	--	--	--	150	<0.50	<0.50	<0.50	<0.50	170	--	--	--	--	--	--	--
	11/25/14	7.02		11.12	--	--	--	72	<0.50	<0.50	<0.50	<0.50	130	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX-3	06/03/11	6.55	17.63	11.08	--	--	--	95	0.93	<0.50	<0.50	<0.50	78	--	--	--	--	--	--	--
	08/02/11	6.82		10.81	--	--	--	130	1.5	<0.50	<0.50	<0.50	150	--	--	--	--	--	--	--
	09/29/11	7.15		10.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	6.37		11.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/11	6.89		10.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/11	7.12		10.51	--	--	--	100	2.4	<0.50	<0.50	<0.50	84	--	--	--	--	--	--	--
	03/15/12	5.70		11.93	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	30	--	--	--	--	--	--	--
	08/28/12	7.15		10.48	--	--	--	100	<0.50	<0.50	<0.50	<0.50	190	--	--	--	--	--	--	--
	02/27/13	6.63		11.00	--	--	--	84	<0.50	<0.50	<0.50	<0.50	93	--	--	--	--	--	--	--
	08/26/13	7.41		10.22	--	--	--	120	<0.50	<0.50	<0.50	<0.50	120	--	--	--	--	--	--	--
	06/19/14	7.20		10.43	--	--	--	96	<0.50	<0.50	<0.50	<0.50	110	--	--	--	--	--	--	--
	11/25/14	6.85		10.78	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	6.9	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
EX-4	06/19/14	7.64	18.30	10.66	--	--	--	210	9.5	<0.50	0.55	0.74	10	--	--	--	--	--	--	--
	11/25/14	7.21		11.09	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	8.5	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX-5	06/19/14	7.84	18.41	10.57	--	--	--	110	6.0	<0.50	<0.50	<0.50	14	--	--	--	--	--	--	--
	11/25/14	7.42		10.99	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	40	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX-6	06/19/14	7.81	18.29	10.48	--	--	--	190	25	<0.50	5.9	<0.50	18	--	--	--	--	--	--	--
	11/25/14	7.44		10.85	--	--	--	250	36	<0.50	7.1	<0.50	160	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX-7	06/19/14	7.44	18.06	10.62	--	--	--	56	0.79	<0.50	<0.50	<0.50	50	--	--	--	--	--	--	--
	11/25/14	7.04		11.02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	3.3	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Legend/Key:

ft msl = feet above mean sea level
µg/L = micrograms per liter
NM = Not measured

TPH - mo = total petroleum hydrocarbons as motor oil
TPHd = total petroleum hydrocarbons as diesel
GRO = gasoline range organics C6-C12

MTBE - methyl tertiary butyl ether
DIPE = di isopropyl ether
ETBE = ethyl tertiary butyl ether

TAME = tert amyl methyl ether
TBA = tert butyl ether
EDB = 1,2-dibromoethane
1,2-DCA = 1,2-dichloroethane

Analytical Methods:
GRO analyzed by EPA Method SW8015B/SW8260B, all other analytes analyzed by SW8260B.

Analytical methods prior to February 2011, are available in various reports on the Alameda County Environmental Health Department files.

* = Hydrocarbon reported in the gasoline range does not match the gasoline standard.
** = Hydrocarbon reported is in the early diesel range and does not match the diesel standard.

*** = Hydrocarbon reported does not match the pattern of the diesel standard.
-- = No sample collected

Analytical data for samples collected prior to 2011 are obtained from documents available in the Alameda County Environmental Health Department files.

[1] Weakly modified or unmodified gasoline is significant.
[2] = Reporting limits were increased due to high concentrations of target analytes.
[3] = Sample also analyzed for halogenated volatile organic compounds (EPA Method 8010) and semivolatile organic compounds (EPA Method 8270A); all analytes reported as non-detect.

Well elevations and locations surveyed by Morrow Surveying on June 15, 2011. Monitoring wells MW-5A/B, MW-6A/B, and extraction wells EX-4 through EX-7 surveyed by Morrow Surveying on June 2, 2014.

TABLE 3
OPERATIONAL UPTIME AND FLOW SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date & Time	Notes	Hour Meter Reading	Applied Vac	Area	Sys Inf Temp	Sys Inf Air Velocity	Sys Inf Air Flowrate	Control Temp	Effluent Air Temp	Area	Dilution Air Temp	Dilution Air Velocity	Dilution Air Flowrate	pH		PID	
														Inf	Eff	Sys Inf	Eff
			"Hg	ft^2	°F	fpm	acfm	°F	°F	ft^2	°F	fpm	acfm	pH	°F	ppmv	ppmv
7/21/14 6:00	1	3,478.1	16	0.0491	95	2,000	98.2	1,452	1,411	0.0218	76	680	15	7.69	7.60	310	1.6
7/24/14 6:00	2	3,480.0	19	0.0491	95	2,000	98.2	1,460	1,410	0.0218	75	800	17	--	--	350	2.1
7/29/14 5:30	3	3,599.7	16	0.0491	90	2,200	108.0	1,465	1,425	0.0218	76	720	16	--	8.01	310	1.1
8/4/14 7:10	4	3,600.4	15	0.0491	85	2,000	98.2	1,493	1,430	0.0218	69	840	18	--	--	300	1.2
8/18/14 6:30	5	3,862.0	13	0.0491	90	2,350	115.4	1,475	1,426	--	--	--	--	7.87	7.89	110	2.3
9/8/14 7:30		4,247.0	12	0.0491	100	2,600	127.6	1,463	1,422	--	--	--	--	7.81	7.87	90	2.1
9/19/14 5:00		4,509.0	12	0.0491	100	2,700	132.5	1,464	1,425	--	--	--	--	--	--	150	1.7
10/2/14 6:48	6	4,823.0	12	0.0491	98	2,800	137.4	1,467	1,429	--	--	--	--	7.91	7.93	25	2.3
10/20/14 10:00	7	5,039.0	14	0.0491	90	2,500	122.7	1,460	1,389	--	--	--	--	--	--	45	2.6
11/3/14 7:00	8	5,265.0	14	0.0491	90	2,600	127.6	1,426	1,471	--	--	--	--	8.17	8.31	50	2.1
11/18/14 6:00	9	5,269.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/4/14 5:45	10	5,271.0	20	0.0491	90	2,000	98.2	1,468	1,310	0.0218	63	3096	68	8.13	8.36	16	2.4
12/16/14 5:30		5,557.0	16	0.0491	80	2,500	122.7	1,463	1,420	0.0218	55	2910	63	--	--	50	1.2
1/5/15 7:15	8	5,873.0	19	0.0491	72	1,500	73.6	1,534	1,400	0.0218	50	1534	33	8.19	8.41	10	1.8
1/19/15 6:00	8	5,888.0	18	0.0491	80	1,800	88.4	1,460	1,365	0.0218	50	1484	32	--	--	10	1.3
2/2/15 5:55	8	5,926.0	17	0.0491	80	1,750	85.9	1,467	1,413	0.0218	60	1987	43	8.05	8.13	5	1.3
2/16/15 6:00	8	5,930.0	19	0.0491	75	1,500	73.6	1,474	1,350	0.0218	63	1348	29	--	--	6	0.8
3/10/15 5:05	8	5,941.0	20	0.0491	78	1,500	73.6	1,463	1,350	0.0218	67	1771	39	8.13	8.21	10	0.9
3/23/15 7:00	11	6,015.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3
OPERATIONAL UPTIME AND FLOW SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Average	16		88	2,135	104.8	1,468	1,403		64	1561	34	8.0	8.1	108.6	1.7

Legend / Key:

Vac = Vacuum
"Hg = inches mercury
ft^2 = square feet
Temp = temperature
°F = Fahrenheit
Inf = Influent
-- = not applicable/ not measured
fpm = feet per minute
acfm = actual cubic feet per minute
ppmv = parts per million by volume
PID = Photoionization Detector
Sys Inf = System Influent (includes dilution air)
Eff = Effluent

Sample Calculation:

air flow = area of pipe (0.0491 ft^2) × air velocity (fpm) = flowrate (acfm)

Notes:

Influent pipe diameter = 3.0 inches

1 System briefly started to conduct an initial sampling event extracting from wells EX-2 through EX-7. Stingers placed at 13-feet (EX-2), 10-feet (EX-3, EX-4, and EX-6),13-feet (EX-5) and 8-feet bgs (EX-7). System down upon departure waiting results.

2 System down upon arrival, system re-started for 1-week operation per groundwater discharge permit. System modified to extract from extraction wells EX-2 through EX-6.

3 Samples obtained per discharge permit, system shutdown upon departure pending approval of analytical results to begin discharging treated groundwater into on-site sewer cleanout.

4 System down upon arrival; groundwater discharge permit approved. System re-started upon departure for continuous operation extracting from wells EX-2 through EX-7 with stinger placed at 6-feet bgs (EX-7).

5 System down upon arrival, stinger depths modified, EX-2 through EX-4 and EX-6 placed at 10-feet, EX-5 at 13-feet, and EX-7 at 5-feet bgs.

6 System down upon arrival, system modified to extract from wells EX-1 through EX-7, system re-started upon departure.

7 System down upon arrival, replaced switch on combustion blower, system re-started upon departure.

8 System down upon arrival, system re-started upon departure.

9 System down upon arrival, due to scheduled groundwater sampling event system remained down upon departure.

10 System down upon arrival, system modified to extract from wells EX-1, EX-5 and EX-6, system re-started upon departure.

11 System down upon arrival, system remained down upon departure due to lack of project funding.

TABLE 4
INDUCED VACUUM AND DEPTH TO WATER MEASUREMENT SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date & Time	Notes	Induced Vacuum ("WC) &/or Depth to Water (feet bgs)											
		MW-1		MW-2		MW-3		MW-4		MW-5A		MW-6A	
		"WC	feet bgs	"WC	feet bgs	"WC	feet bgs	"WC	feet bgs	"WC	feet bgs	"WC	feet bgs
7/21/14 6:00	1	0.00	7.80	0.00	7.38	0.00	7.45	0.0	7.40	0.0	7.48	0.0	7.60
7/24/14 6:00	2	--	--	0.10	8.61	1.00	9.32	0.52	7.86	0.65	7.70	0.50	7.73
7/29/14 5:30		0.01	9.10	0.14	8.98	2.35	9.62	0.75	8.74	0.75	8.80	0.57	8.45
8/4/14 7:10	3	--	--	0.30	8.44	1.37	8.83	0.42	7.73	0.41	8.25	0.39	8.21
8/18/14 6:30	4	--	--	0.55	8.47	0.04	8.95	0.30	8.03	0.36	8.50	0.32	8.52
9/8/14 7:30		0.01	9.09	0.49	8.87	1.19	9.37	--	--	0.40	8.53	0.34	8.69
9/19/14 5:00		0.00	9.16	0.50	8.98	3.33	9.47	--	--	0.40	8.61	0.37	8.80
10/2/14 6:48	5	0.02	9.02	0.56	8.82	3.39	9.35	0.40	8.71	0.10	9.09	0.37	9.14
10/20/14 10:00	6	--	--	--	--	--	--	--	--	--	--	--	--
11/3/14 7:00	7	0.01	8.71	0.50	8.43	12.12	8.91	0.75	7.94	0.60	8.48	0.34	8.55
11/18/14 6:00	8	--	--	--	--	--	--	--	--	--	--	--	--
12/4/14 5:45	9	0.00	6.42	0.07	6.11	1.50	7.63	0.65	6.29	0.70	7.08	0.95	--
12/16/14 5:30		0.00	5.12	0.34	4.77	9.40	6.33	--	--	1.65	5.65	*0.35	5.12
1/5/15 7:15	7	0.00	7.10	0.11	6.79	4.40	8.17	0.99	6.23	1.75	6.11	0.47	6.44
1/19/15 6:00	7	--	--	--	--	--	--	--	--	--	--	--	--
2/2/15 5:55	7	0.00	7.71	0.10	7.38	4.77	8.65	0.85	6.99	0.31	6.90	0.45	7.13
2/16/15 6:00	10	0.00	6.95	0.10	6.62	3.30	7.89	1.05	6.07	1.68	5.58	0.59	6.01
3/10/15 5:05	11	0.00	7.66	0.05	7.27	1.93	7.88	--	--	0.99	6.71	0.16	7.06
3/23/15 7:00	12	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
INDUCED VACUUM AND DEPTH TO WATER MEASUREMENT SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Average	0.00		0.26		3.34		0.61		0.72		0.42	
Nearest Extraction well & approx. distance (feet)	EX-2	22'	EX-7	11'	EX-6	9'	EX-1	13'	EX-3	28'	EX-6	54'

Legend / Key:

"WC = Inches of water column
bgs = below ground surface
* Positive pressure
-- = not applicable/ not measured

Notes:

1 System extracting from wells EX-2 through EX-7. Stinger depths placed at 13-feet bgs (EX-2 and EX-5), 10-feet bgs (EX-3, EX-4 and EX-6), and 8-feet bgs (EX-7).
2 System modified extracting from wells EX-2 through EX-6.
3 System modified extracting from wells EX-2 through EX-7; stinger placed in well EX-7 at 5-feet bgs.
4 System modified stingers placed at 10-feet bgs (EX-2, EX-4 and EX-6), 13-feet bgs (EX-5), and 5-feet bgs (EX-7).
5 System down upon arrival, system modified to extract from wells EX-1 through EX-7, system re-started upon departure.
6 System down upon arrival, switch to combustion blower repaired, system re-started upon departure.
7 System down upon arrival system re-started upon departure.
8 System down upon arrival system remained down upon departure due to scheduled groundwater monitoring event.
9 System modified to extract from wells EX-1, EX-5 and EX-6, system down upon arrival and re-started upon departure.
10 System down upon arrival and re-started upon departure, system modified to extract from wells EX-1 and EX-6 (both valves modified to 50% open); well EX-5 remained 100% open.
11 System down upon arrival, system modified to extract from wells EX-1 and EX-5 with valves 100% open, system re-started upon departure.
12 System temporarily shutdown due to lack of project funding.

TABLE 5
SVE COMPONENT - ANALYTICAL RESULTS AND FLOW RATES
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Flowrate * (acfm)	Flowrate * (scfm)	Influent Temp. (°F)	Vacuum "Hg	Sample Location	Lab Sample Number	Analyses (mg/m³) GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
07/21/14	1	7:30	98.2	93.4	95	16	ASYS INF	88741-01	**5,900**	**1.0**	<0.70	<0.70	<0.70	**1.8**
							A EFF	88741-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
08/04/14		7:40	98.2	95.1	85	15	ASYS INF	88839-01	**3,800**	**4.0**	<0.50	**0.71**	<0.50	**1.4**
							A EFF	88839-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
09/08/14		8:10	127.6	120.3	100	12	ASYS INF	89089-01	**410**	**0.45**	<0.20	<0.25	<0.20	**0.80**
							A EFF	89089-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
10/02/14	2	7:30	137.4	130.1	98	12	ASYS INF	89311-01	**140**	**0.36**	<0.20	<0.25	<0.20	**0.64**
							A EFF	89311-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
11/03/14		7:40	127.6	122.5	90	14	ASYS INF	89569-01	**150**	**0.38**	<0.20	<0.25	<0.20	**0.48**
							A EFF	89569-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
12/04/14		7:05	98.2	94.2	90	20	ASYS INF	89811-01	**85**	<0.20	<0.20	<0.25	<0.20	<0.20
							A EFF	89811-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
01/05/15		15:15	73.6	73.1	72	19	ASYS INF	90047-01	<20	**0.45**	<0.20	<0.25	<0.20	**0.39**
							A EFF	90047-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
02/02/15		6:53	85.9	84.0	80	17	ASYS INF	90256-01	**24**	**0.38**	<0.20	<0.25	<0.20	**0.40**
							A EFF	90256-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20
03/10/15		7:25	73.6	72.3	78	20	ASYS INF	90502-01	**22**	<0.20	<0.20	<0.25	<0.20	**0.52**
							A EFF	90502-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20

Legend / Key:

acfm = actual cubic feet per minute
scfm = standard cubic feet per minute
Temp. (°F) = temperature in degrees Fahrenheit
"Hg = inches mercury
GRO = gasoline range organics (C4-C13)
BTEX = benzene, toluene, ethylbenzene, and xylenes
MTBE = methyl tertiary butyl ether
ASys Inf = system influent
A Eff = effluent
mg/m³ = milligrams per cubic meter

Laboratory Analytical Methods and Facility:

GRO analyzed using EPA Method 8260B
BTEX and MTBE analyzed using EPA Method 8260B
Kiff Analytical LLC (ELAP #08263CA)

TABLE 5
SVE COMPONENT - ANALYTICAL RESULTS AND FLOW RATES
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

* Flowrate used based on most representative field data at time of sampling.

Calculations:

Actual flow rate (acfm) is converted to standard flow rate (scfm) using the following formulas:

Pressure corrected influent flow rate	=	Flow was taken on positive side of blower, no pressure correction factor needed.
Temperature Corrected influent flow rate	=	Pressure corrected flow rate * {(460 R + 68deg F)/(deg F+ 460 R)}

Notes:

1 DPE extracting from extraction wells EX-2 through EX-7.

2 DPE extracting from extraction wells EX-1 through EX-7.

TABLE 6
SVE COMPONENT - EXTRACTION AND EMISSION RATES
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Influent Sample Time	Hour Meter Reading[1]	Sys. Influent Flowrate (scfm)	Effluent Flowrate[2] (scfm)	Sys. Influent Conc. (mg/m^3)			Effluent Conc. (mg/m^3)			Extraction Rate from Wells (lbs/day)[3]			Emissions Rate to Atmosphere (lbs/day)			Destruction Removal Efficiency (%)	Cumulative GRO Removal (lbs)	
						GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Period	Total
7/21/14	1	7:30	3,478.1	93.4	173.4	5,900	1.0	1.8	<20	<0.20	<0.20	49.54	0.01	0.02	0.31	0.003	0.003	99.4	3.1	3.1
8/4/14		7:40	3,600.4	95.1	175.1	3,800	4.0	1.4	<20	<0.20	<0.20	41.47	0.02	0.01	0.31	0.003	0.003	99.2	208.7	211.8
9/8/14		8:10	4,247.0	120.3	200.3	410	0.45	0.80	<20	<0.20	<0.20	22.77	0.02	0.01	0.36	0.004	0.004	98.4	613.5	825.3
10/2/14	2	7:30	4,823.0	130.1	210.1	140	0.36	0.64	<20	<0.20	<0.20	3.22	0.005	0.01	0.38	0.004	0.004	88.3	77.2	902.5
11/3/14		7:40	5,265.0	122.5	202.5	150	0.38	0.48	<20	<0.20	<0.20	1.60	0.004	0.01	0.36	0.004	0.004	77.2	29.4	931.9
12/4/14	3	7:05	5,271.0	94.2	174.2	85	0.20	0.20	<20	<0.20	<0.20	1.00	0.002	0.00	0.31	0.003	0.003	68.5	0.2	932.1
1/5/15			5,873.0	73.1	153.1	20	0.45	0.39	<20	<0.20	<0.20	0.34	0.002	0.00	0.28	0.003	0.003	--	8.7	940.8
2/2/15		6:53	5,926.0	84.0	164.0	24	0.38	0.40	<20	<0.20	<0.20	0.17	0.003	0.00	0.29	0.003	0.003	--	0.4	941.2
3/10/15	4	7:25	5,941.0	72.3	152.3	22	0.20	0.52	<20	<0.20	<0.20	0.15	0.002	0.00	0.27	0.003	0.003	--	0.1	941.3

Legend / Key:

acfm = actual cubic feet per minute
scfm = standard cubic feet per minute
GRO = gasoline range organics
MTBE = methyl tertiary butyl ether
Conc. = concentration
lbs/day = pounds per day
Sys. = system
mg/m^3 = milligrams per cubic meter

[1] Hour meter readings are approximate based on the generator hours recorded on the field data sheets. Hour meter readings were not taken at exact sampling times, therefore, times noted are readings obtained closest to the actual sampling times.

[2] Effluent Flow rate = System Influent flow rate + combustion air flow rate (80 cfm per manufacturer)

[3] To calculate the extraction rate, the system influent concentrations are averaged between the sampling dates.

Sample Calculations:

Extraction Rate from Wells (lbs/day) = Sys Inf Flowrate (ft^3/min) x Avg. Inf Conc (mg/m^3) x (1 lb/453,593mg) x (1,440 min/day) x (1 m^3/35.314ft^3)

Destruction Removal Efficiency, % = $\frac{\text{(Extraction Rate - Emission Rate)}}{\text{Extraction Rate}} \times 100$

Notes:

1 DPE extracting from extraction wells EX-2 through EX-7. GRO removed is calculated based on assuming 1.5 hours of operation occurred from start of test to first sample time.
2 DPE extracting from extraction wells EX-1 through EX-7.
3 DPE extracting from extraction wells EX-1, EX-5, and EX-6.
4 DPE extracting from extraction wells EX-1 and EX-5, cummulative GRO removed in through 3/23/15 using analytical results obtained on 3/10/15.

TABLE 7
GROUNDWATER EXTRACTION COMPONENT - GROUNDWATER ANALYTICAL DATA SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
07/21/14	1	7:43	WINF	STR14072144-01A	**310**	**3.3**	<0.50	<0.50	<0.50	**37**
		7:54	WGAC1	STR14072240-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:47	WGAC2	STR14072240-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		9:00	WEFF	STR14072145-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
07/29/14		5:55	WEFF	STR14072940-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
08/18/14		7:15	WINF	STR14081941-01A	**170**	**3.4**	<0.50	**0.97**	<0.50	**39**
		7:10	WGAC1	STR14081942-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:05	WGAC2	STR14081942-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:00	WEFF	STR14081940-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
09/08/14		7:55	WINF	STR14090941-01A	<50	**0.89**	<0.50	<0.50	<0.50	**12**
		7:50	WGAC1	STR14090942-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:45	WGAC2	STR14090942-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:40	WEFF	STR14090940-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
10/02/14	2	7:25	WINF	STR14100342-01A	<50	**0.77**	<0.50	<0.50	<0.50	**11**
		7:19	WGAC1	STR14090942-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:14	WGAC2	STR14090942-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:09	WEFF	STR14100341-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
11/03/14		7:58	WINF	STR14110443-01A	<50	<0.50	<0.50	<0.50	<0.50	**13**
		7:55	WGAC1	STR14100344-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:50	WGAC2	STR14100344-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:45	WEFF	STR14110441-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 7
GROUNDWATER EXTRACTION COMPONENT - GROUNDWATER ANALYTICAL DATA SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
12/04/14		6:55	WINF	STR14120542-01A	<50	**0.98**	<0.50	<0.50	<0.50	**21**
		6:48	WGAC1	STR14120543-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		6:44	WGAC2	STR14120543-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		6:40	WEFF	STR14120541-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
01/05/15		7:46	WINF	STR15010644-01A	<50	**5.4**	<0.50	<0.50	<0.50	**29**
		7:44	WGAC1	STR15010647-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:41	WGAC2	STR15010647-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		7:37	WEFF	STR15010641-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
02/02/15		6:47	WINF	STR15020348-01A	<50	**2.4**	<0.50	<0.50	<0.50	**22**
		6:44	WGAC1	STR15020349-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		6:40	WGAC2	STR15020349-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		6:37	WEFF	STR15020344-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
03/10/15		7:05	WINF	STR15031148-01A	<50	**1.5**	<0.50	<0.50	<0.50	**21**
		7:00	WGAC1	STR15031149-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		6:55	WGAC2	STR15031149-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50
		6:52	WEFF	STR15031147-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50

Legend / Key:

GRO = Gasoline Range Organics C4-C13

MTBE = Methyl tertiary butyl ether

BTEX = Benzene, toluene, ethylbenzene, xylenes

µg/L = micrograms per liter

-- = Not analyzed

Notes:

1 DPE extracting from extraction wells EX-2 through EX-7.

2 DPE extracting from extraction wells EX-1 through EX-7.

Analytical Methods /Laboratory:

GRO analyzed using EPA Method SW8015B/SW8260B

BTEX and MTBE analyzed using EPA Method SW8260B

Samples analyzed by Alpha Analytical, Inc. (ELAP #2019)

TABLE 8
GROUNDWATER EXTRACTION COMPONENT - GROUNDWATER ANALYTICAL DATA SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	Mercury µg/L	Cyanide µg/L	Cr µg/L	Ni µg/L	Cu µg/L	Zn µg/L	As µg/L	Se µg/L	Ag µg/L	Cd µg/L	Pb µg/L	Phenols µg/L
07/21/14	1	7:43	WINF	STR14072144-01A	<0.20	<0.0001	<10	<10	<20	<100	<5.0	**5.8**	<5.0	<2.0	**6.7**	<5.0
		7:54	WGAC1	STR14072240-01A	--	--	--	--	--	--	--	--	--	--	--	--
		7:47	WGAC2	STR14072240-02A	--	--	--	--	--	--	--	--	--	--	--	--
		9:00	WEFF	STR14072145-01A	<0.20	<0.0001	<10	<10	<20	<100	**7.7**	<5.0	<5.0	<2.0	<5.0	<5.0

Legend / Key:

Phenols = Pentachlorophenol and 2,3,4,6-Tetrachlorophenol

µg/L = micrograms per liter

-- = Not analyzed

Analytical Methods /Laboratory:

Metals analyzed using EPA Method 200.8

Mercury analyzed using EPA Method 245.1

Phenols analyzed using EPA Method SW8270C-SIM

Cyanide analyzed using EPA Method SM4500-CNE

Alpha Analytical, Inc. (Califrnia #2019; NELAC #01154CA)

Notes:

1 DPE test, extracting from extraction wells EX-2 through EX-7. Extended analytical results obtained to compy with groundwater discharge permit requirements.

TABLE 9
GROUNDWATER EXTRACTION COMPONENT - OPERATIONAL PERFORMANCE AND MASS REMOVAL SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Hour Meter Reading[1]	Sewer Discharge Data				Analytical Results Influent			Mass Removed This Period			Cumulative Mass Removed		
				Totalizer Reading (gallons)	Period (gallons)	Cumulative Flow (gallons)	Average Sewer Discharge Flow Rate (gpm)[a]	GRO (µg/L)	Benzene (µg/L)	MTBE (µg/L)	GRO (lbs)	Benzene (lbs)	MTBE (lbs)	GRO (lbs)	Benzene (lbs)	MTBE (lbs)
7/21/14	1	7:43	3,478.1	60,440	--	--	--	Start of Test								
07/29/14		5:55	3,599.7	110,120	49,680	49,680	6.81	310	3.3	37	0.13	0.0014	0.015	0.13	0.0014	0.015
08/18/14		7:15	3,862.0	196,310	86,190	135,870	5.48	170	3.4	39	0.17	0.0024	0.027	0.30	0.0038	0.043
09/08/14		7:55	4,247.0	305,370	109,060	244,930	4.72	<50	0.89	12	<0.10	0.0020	0.023	0.40	0.0057	0.066
10/02/14	2	7:25	4,823.0	458,740	153,370	398,300	4.44	<50	0.77	11	<0.06	0.0011	0.015	0.47	0.0068	0.081
11/03/14		7:58	5,265.0	618,930	160,190	558,490	6.04	<50	<0.50	13	<0.07	<0.001	0.016	0.53	0.0076	0.097
12/04/14	3	6:55	5,271.0	621,440	2,510	561,000	6.97	<50	0.98	21	<0.001	<0.00002	0.0004	0.53	0.0077	0.097
01/05/15		7:46	5,873.0	875,710	254,270	815,270	7.04	<50	5.4	29	<0.106	<0.00677	0.0530	0.64	0.0144	0.150
02/02/15		6:47	5,926.0	898,290	22,580	837,850	7.10	<50	2.4	22	<0.009	<0.00073	0.0048	0.65	0.0152	0.155
03/10/15	4	7:05	5,941.0	904,000	5,710	843,560	6.34	<50	1.5	21	<0.002	<0.00009	0.0010	0.65	0.0153	0.156
03/23/15	5	--	6,015.0	927,780	23,780	867,340	5.36	--	--	--	<0.010	<0.00030	0.0042	0.66	0.0156	0.160

Legend / Key:

GRO = Gasoline Range Organics C4-C13

MTBE = Methyl tertiary butyl ether

µg/L = micrograms per liter

gpm = gallons per minute

lbs = pounds

-- = data not collected/not calculated

Analytical Methods /Laboratory:

GRO analyzed using EPA Method SW8015B/SW8260B

Benzene and MTBE analyzed using EPA Method SW8260B

Alpha Analytical, Inc. (ELAP # 2019)

[a] Not representative of actual flow rate, calculation affected by system down time.

[b] Mass removed this period (pounds) = Average concentration (µg/L)[between the sample dates] x Period gallons x (2.2046×10^{-9})(lb/µg) / 0.26418 (gal/L)

[1] Hour meter readings were not taken at exact sampling times, therefore, times noted are readings obtained closest to the actual sampling times.

Notes:

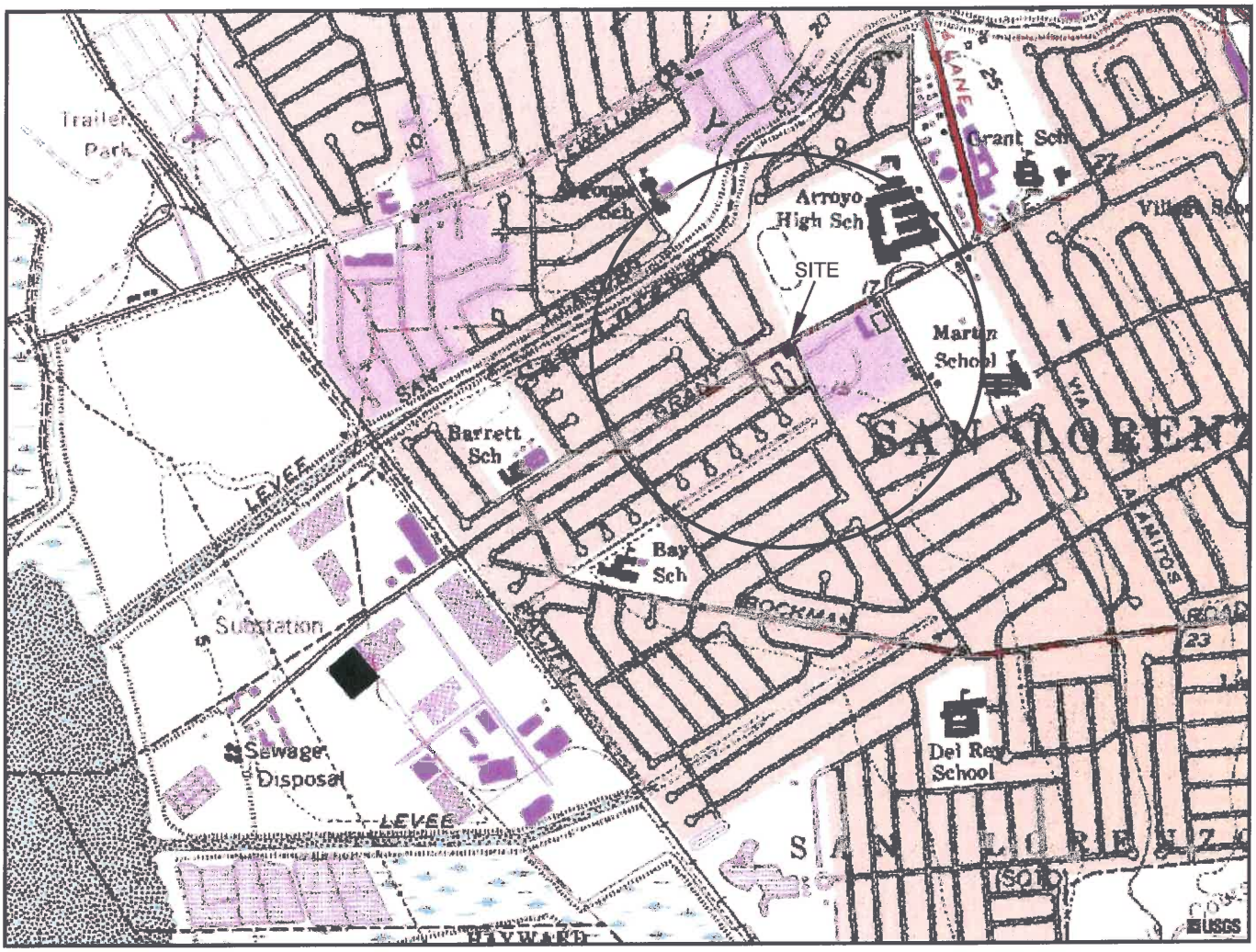
1 DPE extracting from extraction wells EX-2 through EX-7.

2 DPE extracting from extraction wells EX-1 through EX-7.

3 DPE extracting from extraction wells EX-1, EX-5 and EX-6.

4 DPE extracting from extraction wells EX-1 and EX-5.

5 Mass removed is based on analytical results obtained during March 10, 2015 sampling event.



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
SAN LORENZO, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1978

QUADRANGLE LOCATION

0 1800 FT

APPROXIMATE SCALE

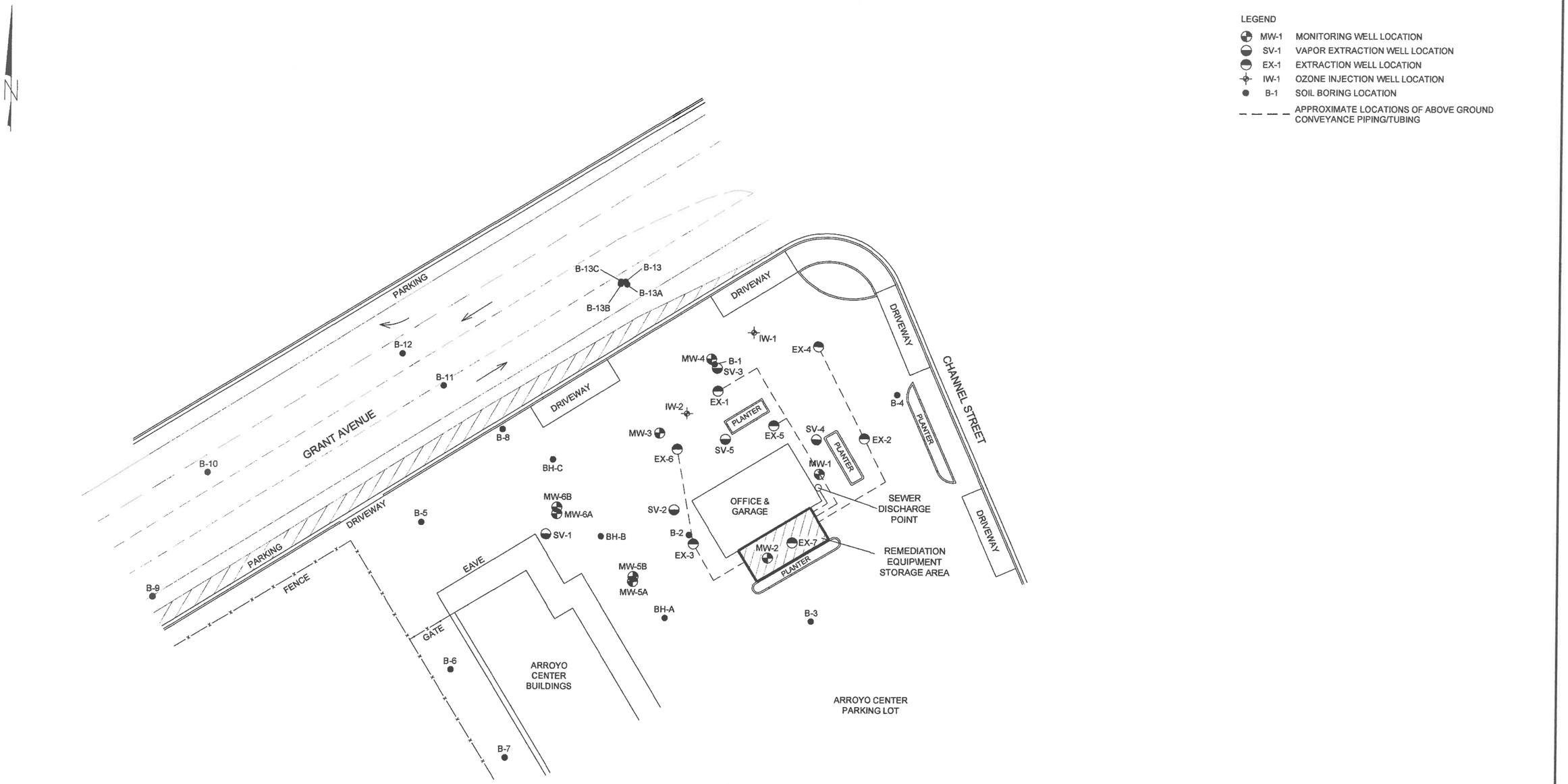
STRATUS
ENVIRONMENTAL, INC.

FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
2115-1436-01



STRATUS ENVIRONMENTAL, INC.

PATH NAME: Olympic
DRAFTER INITIALS: JMP
DATE LAST REVISED: March 13, 2015
FILENAME: Olympic Siteplan

0 40 FT
SCALE

FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2115-1436-01

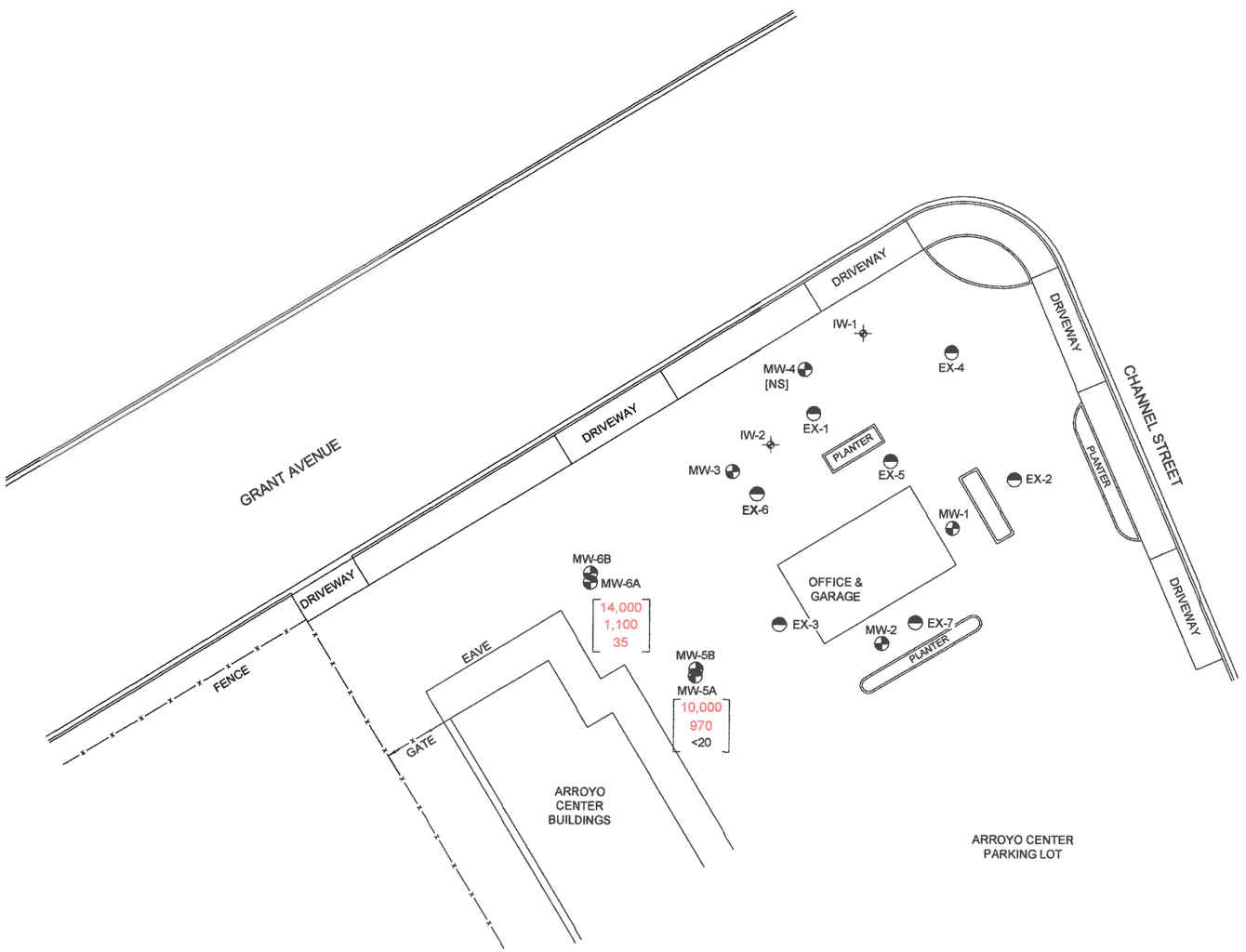
N

LEGEND

- MW-1 MONITORING WELL LOCATION
- EX-1 EXTRACTION WELL LOCATION
- IW-1 OZONE INJECTION WELL LOCATION

[10,000 / 970 / <20]
GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN µg/L
BENZENE CONCENTRATION IN µg/L
METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

WELLS SAMPLED ON 2/02/15
GRO ANALYZED BY EPA METHOD SW8015B/SW8260B
MTBE & BENZENE ANALYZED BY EPA METHOD SW8260B
[NS] = NOT SAMPLED



BASED ON SURVEY PREPARED BY MORROW SURVEYING ON 6/15/11 & UPDATED IN JUNE 2014.

STRATUS ENVIRONMENTAL, INC.

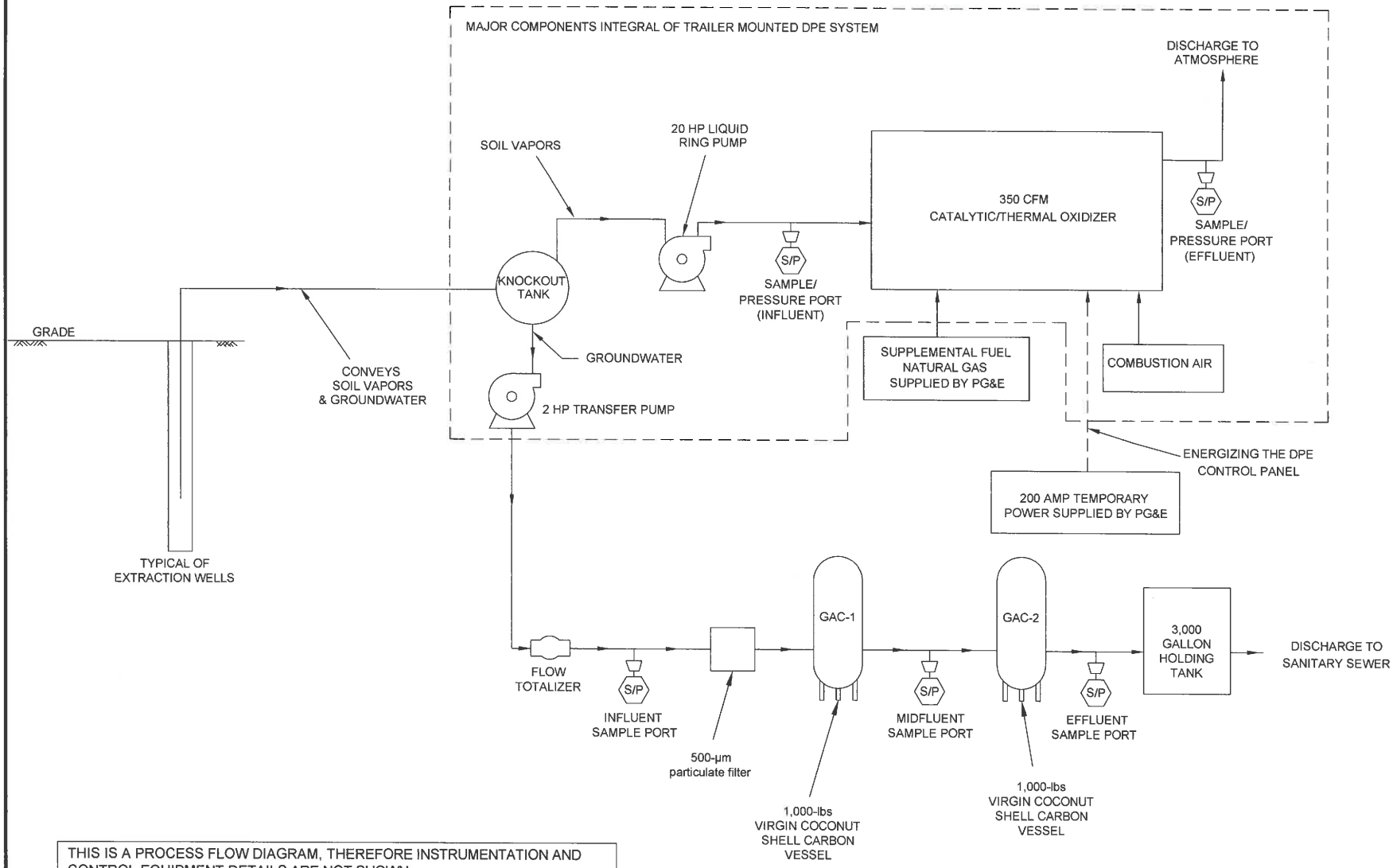
PATH NAME: Olympic\Quarterly
DRAFTER INITIALS: JMP
DATE LAST REVISED: March 13, 2015
FILENAME: Olympic Quarterly Figures

0 40 FT
SCALE

FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA
GROUNDWATER ANALYTICAL SUMMARY
10' DEPTH MONITORING WELLS
1st QUARTER 2015

FIGURE
3

PROJECT NO.
2115-1436-01



THIS IS A PROCESS FLOW DIAGRAM, THEREFORE INSTRUMENTATION AND CONTROL EQUIPMENT DETAILS ARE NOT SHOWN.
INSTRUMENT FUNCTIONS AND INTERACTIONS ARE ALSO NOT SHOWN.
EQUIPMENT SIZES ARE NOT PROPORTIONAL AND ARE NOT INDICATIVE OF FINAL SIZES.

DUAL PHASE EXTRACTION SYSTEM
NOT TO SCALE

STRATUS
ENVIRONMENTAL, INC.

FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE
4

PROJECT NO.
2153-14930-011

APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL, INC.

Site Address 1436 Grant Ave
City San Lorenzo
Sampled by:
Signature CHILL

Site Number Former Olympic Station
Project Number
Project PM Scott
DATE 2-2-15

ORIGINAL

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water column (feet)	Diameter (inches)	Multiplier	3 casing volumes (gallons)	Actual water purged (gallons)	No Purge	Bailer	Pump	other	DTW at sample time (feet)	Sample I.D	Sample Time	DO (mg/L)
MW5A	0600		6.90	9.60	2.70	2	.5	1	1		↓			7.92	MW5A	0710	1.54
MW6A	0612		7.13	9.83	2.70	2	.5	1	1		↓			7.87	MW6A	0715	1.19

Multiplier
2" = 0.5 3" = 1.0 4" = 2.0 6" = 4.4

Please refer to groundwater sampling field procedures
pH/Conductivity/temperature Meter - Oakton Model PC-10
DO Meter - Oakton 300 Series (DO is always measured before purge)

CALIBRATION DATE
pH 2-1-15
Conductivity)
DO

T:\Forms

STRATUS ENVIRONMENTAL, INC.

Site Address 1436 Grant Ave
City San Lorenzo
Site Sampled by CH/Ly

Site Number Olympic Station
Project No.
Project PM Scott
Date Sampled 2-2-15

ORIGINAL

Well ID MW5A 1

purge start time [illegible]

	Temp C	pH	cond	gallons
time 0604	16.0	7.63	173.0	0
time 0605	17.5	7.69	134.0	1
time			Dry	
time				

purge stop time 1.5400 282

Well ID MW6A

purge start time [illegible]

	Temp C	pH	cond	gallons
time 0614	17.2	7.99	155.3	0
time 0617	18.1	7.97	164.9	1
time			Dry	
time				

pugre stop time 1.69 Da 281

Well ID

purge start time

	Temp C	pH	cond	gallons
time				
time				
time				
time				

purge stop time

Well ID

purge start time

	Temp C	pH	cond	gallons
time				
time				
time				
time				

purge stop time

Well ID

purge start time

	Temp C	pH	cond	gallons
time				
time				
time				
time				

purge stop time

Well ID

purge start time

	Temp C	pH	cond	gallons
time				
time				
time				
time				

purge stop time

Well ID

purge start time

	Temp C	pH	cond	gallons
time				
time				
time				
time				

purge stop time

Well ID

purge start time

	Temp C	pH	cond	gallons
time				
time				
time				
time				

purge stop time

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Date: 1-5-15
Onsite Time: 0715
Offsite Time: 0830

Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Clear
Ambient Temperature: 38

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☒ Non-Operational ☐
Hour Meter Reading: 5873 / 5873
Totalizer Reading on DPE Unit: 875710
Chart Recorder Paper Replaced ☐ Yes ☒ No
% Dilution Valve Open: 25
Combustion Chamber Operating Temperature: 1483
If open, dilution air flowrate, (fpm/cfm) and Temp (deg F): 1534 / 50°F
pH Meter Calibration 1-2-15

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Differential Pressure, "wc				
Air Velocity, FPM		1500		
Pipe Diameter, inches		3		
Air Flow Rate, cfm				
Applied Vacuum, "WC/"Hg	19"Hg			
Temperature, deg F		72	1400	
PID Readings, ppmv		10	1.8	

Other Readings/Measurements

Well ID	% Open	PID	Vacuum @ Wellhead	Stinger Depth	Well ID	Induced Vacuum "WC/"Hg	DTW
EX-1	100	11			MW-1	-0	7.10
EX-2					MW-2	-.11	6.79
EX-3					MW-3	-4.40	8.17
EX-4					MW-4	-.99	6.23
EX-5	100	13			MW-5A	-1.75	6.11
EX-6	100	10			MW-6A	-0.47	6.44
EX-7							

ORIGINAL

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
A SYS INF 1027018-05	1515 0752	W INF	1515 0746
A EFF 1027018-04	) 0750	W GAC1	0744
		W GAC2	0741
		W EFF	0737

	PH	Temp
INF	8.19	17.41
EFF	8.41	16.3

Operation & Maintenance Notes
Notes:
Notify air board a minimum of 5-days prior to initial start up
Twice a month monitor/recorded LEL readings(hexane calibration) and vapor flow rate per air permit
Notify District's Industrial Waste Inspector a minimum of 24 hours prior to any sampling event (510) 276-4700
Calibrate all instruments (e.g. pH meter)
Flow meter specifications to be approved by District and include a non-resetable totalizer
Collect initial water sample after minimum of 508 gallons
Max discharge rate not to exceed 20gpm

Lab Parameters	Sampling Frequency*	Sample Location	Analytical Method
TPH	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method SW8015B
GRO	Start-up/Monthly	AINF/AEFF	EPA Method SW8015B
BTEX	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8020
MTBE	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8260
BTEX/MTBE	Start-up/Monthly	AINF/AEFF	EPA Method 8260
Lead	Start-up	WINF/WEFF	EPA 200.8
Metals (As, Cd, Cu, Hg, Ni, Se, Ag, Cr, Zn)	Start-up	WINF/WEFF	EPA 200.8
Cyanide	Start-up	WINF//WEFF	SM 4500 CN C,E
Phenols	Start-up	WINF/WEFF	EPA 420.1
pH	Start-up/Monthly	WINF, WEFF	Field measured

* Upon initial start-up of system and prior to discharge of groundwater to the sewer cleanout, obtain samples for groundwater discharge approval from the holding tank. Once approved, the system may be started for continuous operation.

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Date: 1-19-15
Onsite Time: 0600
Offsite Time: 0745

Technician: CHILC
Project Engineer: Debbie
Weather Conditions: Clear
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☒ Non-Operational ☐
Hour Meter Reading: 5858

Totalizer Reading on DPE Unit: 882360

Chart Recorder Paper Replaced ☐ Yes ☒ No

% Dilution Valve Open: 20%

Combustion Chamber Operating Temperature: 1460

If open, dilution air flowrate, (fpm/cfm) and Temp (deg F): 1484 / 50°F

pH Meter Calibration

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Differential Pressure, "wc				
Air Velocity, FPM		1800		
Pipe Diameter, inches		3		
Air Flow Rate, cfm				
Applied Vacuum, "WC/"Hg	18"Hg			
Temperature, deg F		80	136°	
PID Readings, ppmv		10	1.3	

Other Readings/Measurements

Well ID	% Open	PID	Vacuum @ Wellhead	Stinger Depth	Well ID	Induced Vacuum "WC/"Hg	DTW
EX-1	100				MW-1		
EX-2					MW-2		
EX-3					MW-3	Not	
EX-4					MW-4	Measured	
EX-5	100				MW-5A		
EX-6	100				MW-6A		
EX-7							

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
A SYS INF		W INF	
A EFF		W GAC1	
		W GAC2	
		W EFF	

Operation & Maintenance Notes
Notes:
Notify air board a minimum of 5-days prior to initial start up
Twice a month monitor/recorded LEL readings(hexane calibration) and vapor flow rate per air permit
Notify District's Industrial Waste Inspector a minimum of 24 hours prior to any sampling event (510) 276-4700
Calibrate all instruments (e.g. pH meter)
Flow meter specifications to be approved by District and include a non-resetable totalizer
Collect initial water sample after minimum of 508 gallons
Max discharge rate not to exceed 20gpm
Continuous Problem

Lab Parameters	Sampling Frequency*	Sample Location	Analytical Method
TPH	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method SW8015B
GRO	Start-up/Monthly	AINF/AEFF	EPA Method SW8015B
BTEX	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8020
MTBE	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8260
BTEX/MTBE	Start-up/Monthly	AINF/AEFF	EPA Method 8260
Lead	Start-up	WINF/WEFF	EPA 200.8
Metals (As, Cd, Cu, Hg, Ni, Se, Ag, Cr, Zn)	Start-up	WINF/WEFF	EPA 200.8
Cyanide	Start-up	WINF//WEFF	SM 4500 CN C,E
Phenols	Start-up	WINF/WEFF	EPA 420.1
pH	Start-up/Monthly	WINF, WEFF	Field measured

* Upon initial start-up of system and prior to discharge of groundwater to the sewer cleanout, obtain samples for groundwater discharge approval from the holding tank. Once approved, the system may be started for continuous operation.

ORIGINAL

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

Date: 2-2-15
Onsite Time: 0555
Offsite Time: 0730

Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Clear
Ambient Temperature: 48

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☒ Non-Operational ☐
Hour Meter Reading: 5926

Totalizer Reading on DPE Unit: 898290
Chart Recorder Paper Replaced ☐ Yes ☒ No
% Dilution Valve Open: ~~80~~ 20%

Combustion Chamber Operating Temperature: 1467
If open, dilution air flowrate, (fpm/cfm) and Temp (deg F): 1987 / 60
pH Meter Calibration 1-30-15

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Differential Pressure, "wc				
Air Velocity, FPM		1750		
Pipe Diameter, inches		3		
Air Flow Rate, cfm				
Applied Vacuum, "WC/~~"Hg~~	17 "Hg			
Temperature, deg F		80	1413	
PID Readings, ppmv		5	1.3	

Other Readings/Measurements

Well ID	% Open	PID	Vacuum @ Wellhead	Stinger Depth	Well ID	Induced Vacuum "WC/"Hg	DTW
EX-1	100				MW-1	0	7.71
EX-2					MW-2	-.10	7.38
EX-3					MW-3	-4.77	8.65
EX-4					MW-4	-.85	6.99
EX-5	100				MW-5A	-.31	6.90
EX-6	100				MW-6A	-.49	7.13
EX-7	~~0~~						

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
A SYS INF 10/2/2015-1	2215 0653	W INF	2215 0647
A EFF 10/2/2015-1	" 0651	W GAC1	" 0644
		W GAC2	" 0640
		W EFF	" 0637

	Temp	PH
INF	17.0	8.05
EFF	18.6	8.13

Operation & Maintenance Notes
Notes:
Notify air board a minimum of 5-days prior to initial start up
Twice a month monitor/recorded LEL readings(hexane calibration) and vapor flow rate per air permit
Notify District's Industrial Waste Inspector a minimum of 24 hours prior to any sampling event (510) 276-4700
Calibrate all instruments (e.g. pH meter)
Flow meter specifications to be approved by District and include a non-resetable totalizer
Collect initial water sample after minimum of 508 gallons
Max discharge rate not to exceed 20gpm

Lab Parameters	Sampling Frequency*	Sample Location	Analytical Method
TPH	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method SW8015B
GRO	Start-up/Monthly	AINF/AEFF	EPA Method SW8015B
BTEX	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8020
MTBE	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8260
BTEX/MTBE	Start-up/Monthly	AINF/AEFF	EPA Method 8260
Lead	Start-up	WINF/WEFF	EPA 200.8
Metals (As, Cd, Cu, Hg, Ni, Se, Ag, Cr, Zn)	Start-up	WINF/WEFF	EPA 200.8
Cyanide	Start-up	WINF//WEFF	SM 4500 CN C,E
Phenols	Start-up	WINF/WEFF	EPA 420.1
pH	Start-up/Monthly	WINF, WEFF	Field measured

* Upon initial start-up of system and prior to discharge of groundwater to the sewer cleanout, obtain samples for groundwater discharge approval from the holding tank. Once approved, the system may be started for continuous operation.

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Date: 2-16-15
Onsite Time: 0600
Offsite Time: 0900

Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Clear
Ambient Temperature: 48

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☒ Non-Operational ☐
Hour Meter Reading: 5930

Totalizer Reading on DPE Unit: 900270
Chart Recorder Paper Replaced ☐ Yes ☒ No
% Dilution Valve Open: 30

Combustion Chamber Operating Temperature: 1474
If open, dilution air flowrate, (fpm/cfm) and Temp (deg F): 2" 1348/63
pH Meter Calibration

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Differential Pressure, "wc				
Air Velocity, FPM		1500		
Pipe Diameter, inches				
Air Flow Rate, cfm				
Applied Vacuum, "WC/"Hg	19"Hg			
Temperature, deg F		75	1350	
PID Readings, ppmv		6	2.8	

Other Readings/Measurements

Well ID	% Open	PID	Vacuum @ Wellhead	Stinger Depth	Well ID	Induced Vacuum "WC/"Hg	DTW
EX-1	~~100~~ 50				MW-1	0	6.95
EX-2					MW-2	-.10	6.62
EX-3					MW-3	-3.30	7.59
EX-4					MW-4	-1.05	6.07
EX-5	100				MW-5A	-.68	5.58
EX-6	50				MW-6A	-0.59	6.01
EX-7							

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
A SYS INF		W INF	
A EFF		W GAC1	
		W GAC2	
		W EFF	

Operation & Maintenance Notes
Notes:
Notify air board a minimum of 5-days prior to initial start up
Twice a month monitor/recorded LEL readings(hexane calibration) and vapor flow rate per air permit
Notify District's Industrial Waste Inspector a minimum of 24 hours prior to any sampling event (510) 276-4700
Calibrate all instruments (e.g. pH meter)
Flow meter specifications to be approved by District and include a non-resetable totalizer
Collect initial water sample after minimum of 508 gallons
Max discharge rate not to exceed 20gpm

Lab Parameters	Sampling Frequency*	Sample Location	Analytical Method
TPH	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method SW8015B
GRO	Start-up/Monthly	AINF/AEFF	EPA Method SW8015B
BTEX	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8020
MTBE	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8260
BTEX/MTBE	Start-up/Monthly	AINF/AEFF	EPA Method 8260
Lead	Start-up	WINF/WEFF	EPA 200.8
Metals (As, Cd, Cu, Hg, Ni, Se, Ag, Cr, Zn)	Start-up	WINF/WEFF	EPA 200.8
Cyanide	Start-up	WINF//WEFF	SM 4500 CN C,E
Phenols	Start-up	WINF/WEFF	EPA 420.1
pH	Start-up/Monthly	WINF, WEFF	Field measured

* Upon initial start-up of system and prior to discharge of groundwater to the sewer cleanout, obtain samples for groundwater discharge approval from the holding tank. Once approved, the system may be started for continuous operation.

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Date: 3-10-15
Onsite Time: 0505
Offsite Time: 0800

Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Cloudy
Ambient Temperature: 48

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☐
Hour Meter Reading: 5941

Totalizer Reading on DPE Unit: 904000

Combustion Chamber Operating Temperature: 1463

Chart Recorder Paper Replaced ☐ Yes ☒ No

% Dilution Valve Open: yes

If open, dilution air flowrate, (fpm/cfm) and Temp (deg F): 1771/67/2"

pH Meter Calibration 3-1-15

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Differential Pressure, "wc		4		
Air Velocity, FPM		3500		
Pipe Diameter, inches		3		
Air Flow Rate, cfm				
Applied Vacuum, "WC/"Hg	20"Hg			
Temperature, deg F		78	1350	
PID Readings, ppmv		10	0.9	

Other Readings/Measurements

Well ID	% Open	PID	Vacuum @ Wellhead	Stinger Depth	Well ID	Induced Vacuum "WC/"Hg	DTW
EX-1	100				MW-1	0	7.66
EX-2					MW-2	-.05	7.27
EX-3					MW-3	-1.93	7.88
EX-4					MW-4		
EX-5	100				MW-5A	-.99	6.73
EX-6					MW-6A	-.16	7.06
EX-7							

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
A SYS INF -07	31015 0725	W INF	31015 0705
A EFF 1027864-01	1 0720	W GAC1	0700
		W GAC2	0655
Temp pH Cond		W EFF	0652
INF 17.1 5.13 416			
EFF 15.1 8.21 398			

Operation & Maintenance Notes
Notes:
Notify air board a minimum of 5-days prior to initial start up
Twice a month monitor/recorded LEL readings(hexane calibration) and vapor flow rate per air permit
Notify District's Industrial Waste Inspector a minimum of 24 hours prior to any sampling event (510) 276-4700
Calibrate all instruments (e.g. pH meter)
Flow meter specifications to be approved by District and include a non-resetable totalizer
Collect initial water sample after minimum of 508 gallons
Max discharge rate not to exceed 20gpm
Clean Floats - Clean Pump -

Lab Parameters	Sampling Frequency*	Sample Location	Analytical Method
TPH	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method SW8015B
GRO	Start-up/Monthly	AINF/AEFF	EPA Method SW8015B
BTEX	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8020
MTBE	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8260
BTEX/MTBE	Start-up/Monthly	AINF/AEFF	EPA Method 8260
Lead	Start-up	WINF/WEFF	EPA 200.8
Metals (As, Cd, Cu, Hg, Ni, Se, Ag, Cr, Zn)	Start-up	WINF/WEFF	EPA 200.8
Cyanide	Start-up	WINF//WEFF	SM 4500 CN C,E
Phenols	Start-up	WINF/WEFF	EPA 420.1
pH	Start-up/Monthly	WINF, WEFF	Field measured

* Upon initial start-up of system and prior to discharge of groundwater to the sewer cleanout, obtain samples for groundwater discharge approval from the holding tank. Once approved, the system may be started for continuous operation.

ORIGINAL

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

Date: 3-23-15
Onsite Time: 0700
Offsite Time: 0730

Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Rain
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☒ Turned off
Hour Meter Reading: 6015

Totalizer Reading on DPE Unit: 927780

Chart Recorder Paper Replaced ☐ Yes ☒ No

% Dilution Valve Open: _____

Combustion Chamber Operating Temperature: _____

If open, dilution air flowrate, (fpm/cfm) and Temp (deg F): _____

pH Meter Calibration _____

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Differential Pressure, "wc				
Air Velocity, FPM				
Pipe Diameter, inches				
Air Flow Rate, cfm				
Applied Vacuum, "WC/"Hg				
Temperature, deg F				
PID Readings, ppmv				

Other Readings/Measurements

Well ID	% Open	PID	Vacuum @ Wellhead	Stinger Depth	Well ID	Induced Vacuum "WC/"Hg	DTW
EX-1					MW-1		
EX-2					MW-2		
EX-3					MW-3		
EX-4					MW-4		
EX-5					MW-5A		
EX-6					MW-6A		
EX-7							

Former Olympic Service Station
DPE Mass Extraction Event
1436 Grant Avenue
San Lorenzo, California

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
A SYS INF		W INF	
A EFF		W GAC1	
		W GAC2	
		W EFF	

Operation & Maintenance Notes
Notes:
Notify air board a minimum of 5-days prior to initial start up
Twice a month monitor/recorded LEL readings(hexane calibration) and vapor flow rate per air permit
Notify District's Industrial Waste Inspector a minimum of 24 hours prior to any sampling event (510) 276-4700
Calibrate all instruments (e.g. pH meter)
Flow meter specifications to be approved by District and include a non-resetable totalizer
Collect initial water sample after minimum of 508 gallons
Max discharge rate not to exceed 20gpm

Lab Parameters	Sampling Frequency*	Sample Location	Analytical Method
TPH	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method SW8015B
GRO	Start-up/Monthly	AINF/AEFF	EPA Method SW8015B
BTEX	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8020
MTBE	Start-up/Monthly	WINF/WGAC1/WGAC2/WEFF	EPA Method 8260
BTEX/MTBE	Start-up/Monthly	AINF/AEFF	EPA Method 8260
Lead	Start-up	WINF/WEFF	EPA 200.8
Metals (As, Cd, Cu, Hg, Ni, Se, Ag, Cr, Zn)	Start-up	WINF/WEFF	EPA 200.8
Cyanide	Start-up	WINF//WEFF	SM 4500 CN C,E
Phenols	Start-up	WINF/WEFF	EPA 420.1
pH	Start-up/Monthly	WINF, WEFF	Field measured

* Upon initial start-up of system and prior to discharge of groundwater to the sewer cleanout, obtain samples for groundwater discharge approval from the holding tank. Once approved, the system may be started for continuous operation.

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of accruing to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 02/03/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW 5A**						
Lab ID :	STR15020347-01A	TPH-P (GRO)	10,000		4,000 µg/L	02/06/15	02/06/15
Date Sampled	02/02/15 07:10	Methyl tert-butyl ether (MTBE)	ND	V	20 µg/L	02/06/15	02/06/15
		Benzene	970		20 µg/L	02/06/15	02/06/15
		Toluene	ND	V	20 µg/L	02/06/15	02/06/15
		Ethylbenzene	480		20 µg/L	02/06/15	02/06/15
		m,p-Xylene	180		20 µg/L	02/06/15	02/06/15
		o-Xylene	ND	V	20 µg/L	02/06/15	02/06/15
Client ID :	**MW 6A**						
Lab ID :	STR15020347-02A	TPH-P (GRO)	14,000		4,000 µg/L	02/06/15	02/06/15
Date Sampled	02/02/15 07:15	Methyl tert-butyl ether (MTBE)	35		20 µg/L	02/06/15	02/06/15
		Benzene	1,100		20 µg/L	02/06/15	02/06/15
		Toluene	ND	V	20 µg/L	02/06/15	02/06/15
		Ethylbenzene	490		20 µg/L	02/06/15	02/06/15
		m,p-Xylene	350		20 µg/L	02/06/15	02/06/15
		o-Xylene	ND	V	20 µg/L	02/06/15	02/06/15

Gasoline Range Organics (GRO) C4-C13
V = Reporting Limits were increased due to high concentrations of target analytes.
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

2/10/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15020347 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020347-01A	MW 5A	Aqueous	2
15020347-02A	MW 6A	Aqueous	2

2/10/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Feb-15*

QC Summary Report

Work Order: 15020347

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020609.D** Batch ID: **MS15W0206B** Analysis Date: **02/06/2015 13:46**

Sample ID: **MBLK MS15W0206B** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 13:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.96		10		99.6	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020607.D** Batch ID: **MS15W0206B** Analysis Date: **02/06/2015 12:49**

Sample ID: **GLCS MS15W0206B** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 12:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	427	50	400		107	70	130			
Surr: 1,2-Dichloroethane-d4	10.4		10		104	70	130			
Surr: Toluene-d8	9.89		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020630.D** Batch ID: **MS15W0206B** Analysis Date: **02/06/2015 22:13**

Sample ID: **15012946-04AGS** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 22:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1990	250	2000	0	99.7	54	143			
Surr: 1,2-Dichloroethane-d4	52.1		50		104	70	130			
Surr: Toluene-d8	48.3		50		97	70	130			
Surr: 4-Bromofluorobenzene	52.6		50		105	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020631.D** Batch ID: **MS15W0206B** Analysis Date: **02/06/2015 22:37**

Sample ID: **15012946-04AGSD** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 22:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1850	250	2000	0	93	54	143	1994	7.5(23)	
Surr: 1,2-Dichloroethane-d4	50.1		50		100	70	130			
Surr: Toluene-d8	48.8		50		98	70	130			
Surr: 4-Bromofluorobenzene	52.5		50		105	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 10-Feb-15

QC Summary Report

Work Order: 15020347

Method Blank

Type **MBLK** Test Code: **EPA Method 624/8260**

File ID: **15020609.D** Batch ID: **MS15W0206A** Analysis Date: **02/06/2015 13:46**

Sample ID: **MBLK MS15W0206A** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 13:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.96		10		99.6	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 624/8260**

File ID: **15020606.D** Batch ID: **MS15W0206A** Analysis Date: **02/06/2015 12:24**

Sample ID: **LCS MS15W0206A** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 12:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	10.1	0.5	10		101	63	137			
Benzene	10.3	0.5	10		103	70	130			
Toluene	10.2	0.5	10		102	80	120			
Ethylbenzene	9.86	0.5	10		99	80	120			
m,p-Xylene	10.5	0.5	10		105	65	139			
o-Xylene	10.4	0.5	10		104	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10		98	70	130			
Surr: Toluene-d8	9.98		10		99.8	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 624/8260**

File ID: **15020628.D** Batch ID: **MS15W0206A** Analysis Date: **02/06/2015 21:24**

Sample ID: **15012805-03AMS** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 21:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	49.7	1.3	50	0	99	56	140			
Benzene	46	1.3	50	0	92	67	134			
Toluene	43.6	1.3	50	0.87	86	38	130			
Ethylbenzene	38.9	1.3	50	0	78	70	130			
m,p-Xylene	44.2	1.3	50	1.98	84	65	139			
o-Xylene	42.9	1.3	50	0.81	84	69	130			
Surr: 1,2-Dichloroethane-d4	53		50		106	70	130			
Surr: Toluene-d8	47.5		50		95	70	130			
Surr: 4-Bromofluorobenzene	51.7		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **15020629.D** Batch ID: **MS15W0206A** Analysis Date: **02/06/2015 21:49**

Sample ID: **15012805-03AMSD** Units : µg/L Run ID: **MSD_15_150206A** Prep Date: **02/06/2015 21:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.4	1.3	50	0	97	56	140	49.67	2.6(40)	
Benzene	45.6	1.3	50	0	91	67	134	45.98	0.9(21)	
Toluene	42.7	1.3	50	0.87	84	38	130	43.62	2.1(20)	
Ethylbenzene	38.8	1.3	50	0	78	70	130	38.88	0.2(20)	
m,p-Xylene	42.5	1.3	50	1.98	81	65	139	44.22	4.1(20)	
o-Xylene	43.1	1.3	50	0.81	85	69	130	42.88	0.6(20)	
Surr: 1,2-Dichloroethane-d4	51.5		50		103	70	130			
Surr: Toluene-d8	48		50		96	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	70	130			

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Feb-15*

QC Summary Report

Work Order: 15020347

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR15020347

Report Due By : 5:00 PM On : 10-Feb-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 12259 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	03-Feb-15	03-Feb-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020347-01A	MW 5A	AQ	02/02/15 07:10	3	0	5	GAS-C	BTEX/M_C							
STR15020347-02A	MW 6A	AQ	02/02/15 07:15	3	0	5	GAS-C	BTEX/M_C							

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 1120

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stratus
Attn: Scott
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 530 672 6994 Fax: 530 672 6005

Alpha Analytical, Inc.
Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-368-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901

12259

Page # 1 of 1

Consultant/ Client Info:
Company: Stratus
Address:
City, State, Zip:

Job and Purchase Order Info:
Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:
Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ (CA) NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	Analysis Requested: GRO 8015M	Analysis Requested: BTEX 8260B	Analysis Requested: MTBE	Remarks
0710	2/5	AQ	STR1502034 7-01A	MW 5A	STD	N	3	X	X	X	
0715	↓	AQ	↓ -02A	MW 6A	STD	N	3	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHK

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Stratus	2/2/15	1247	Melissa F	2-2-15	1247
				2/3/15	1020

* Key: AQ - Aqueous WA - Waste OT - Other **: L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Pace Analytical®

Report Number : 90047
Date : 01/06/2015

Laboratory Results

Scott Bittinger
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682

Subject : 2 Vapor Samples
Project Name : Olympic
Project Number :

Dear Mr. Bittinger,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the TNI 2009 standards.
Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Pace Analytical Services, Inc.
Pace Analytical Services, Inc. is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab number 08263CA.
If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Pace Analytical®

Report Number : 90047
Date : 01/06/2015

Project Name : **Olympic**
Project Number :

Sample : **Oly A Sys INF** Matrix : Air Lab Number : 90047-01
Sample Date :01/05/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**0.45**	0.20	mg/m3	EPA 8260B	01/05/15 20:03
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:03
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	01/05/15 20:03
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:03
Methyl-t-butyl ether (MTBE)	**0.39**	0.20	mg/m3	EPA 8260B	01/05/15 20:03
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	01/05/15 20:03
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	01/05/15 20:03
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	01/05/15 20:03

Sample : **Oly A EFF** Matrix : Air Lab Number : 90047-02
Sample Date :01/05/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 18:25
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 18:25
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	01/05/15 18:25
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 18:25
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 18:25
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	01/05/15 18:25
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	01/05/15 18:25
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	01/05/15 18:25

Report Number : 90047

Date : 01/06/2015

QC Report : Method Blank Data

Project Name : **Olympic**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	01/05/2015
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	01/05/2015
Toluene - d8 (Surr)	102		%	EPA 8260B	01/05/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Pace Analytical Services, Inc.

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

90047

Page: 1 of 1

1722112

Section A Required Client Information:

Company: Stratus
Address: 5330 Cameron Pk DR
Cameron Pk CA
Email To:
Phone: 5306766004 Fax: 5306766005
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Debbie
Copy To:
Purchase Order No.:
Project Name: Olympic
Project Number:

Section C Invoice Information:

Attention: Scott
Company Name: Stratus
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

- NPDES
- GROUND WATER
- DRINKING WATER
- UST
- RCRA
- OTHER

Site Location STATE: CA

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	GRO	BTEX	MTBE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Oly A Sys INF	AR	G	1515	0752				1	X									X	X	X		01
2	Oly A EFF	AR	G	1515	0750				1	X									X	X	X		02
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
24 HR TAT on EFF	[signature] Stratus	1515	1133				
STD TAT on Sys INF							
				[signature] Troy A. Turpen	1/5/15	1133	

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: C HILL

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1515

Page 4 of 5

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical

SAMPLE RECEIPT CHECKLIST

SRG #: 90047

Sample Receipt	Initials/Date: TJB 010515	Storage Time: 1133	Sample Login	Initials/Date: TJB 010515

TAT: ☐ Standard ☐ Rush ☒ Split ☐ None

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipped

Temp °C ☒ N/A | Therm ID | Time

Coolant present ☐ Yes ☐ No ☐ Water ☐ Temp Excursion

For Shipments Only: Cooler Receipt Initials/Date/Time:

Custody Seals ☐ N/A ☐ Intact ☐ Broken

Chain-of-Custody:	Yes	No
Is COC present?	X	
Is COC signed by relinquisher?	X	
Is COC dated by relinquisher?	X	
Is the sampler's name on the COC?	X	
Are there analyses or hold for all samples?	X	

Documented on	COC	Labels	Discrepancies:
Sample ID	X	X	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	
Does COC match project history?	☒ N/A	☐ Yes	☐ No

Samples:	N/A	Yes	No
Are sample custody seals intact?	X		
Are sample containers intact?		X	
Is preservation documented?	X		
In-house Analysis:	**N/A**	**Yes**	**No**
Are preservatives acceptable?	X		
Are samples within holding time?		X	
Are sample container types correct?		X	
Is there adequate sample volume?		X	

Comments: Pace tag numbers: 1027018-04, -05. TJB 010515 1440

Receipt Details:

Matrix	Container Type	# of Containers
AR	Tedlar	2

Requires client: Clarification ☐ Approval ☐ Notification ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date:

Client Communication:

Pace Analytical®

Report Number : 90256
Date : 02/03/2015

Laboratory Results

Debbie Barr
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682

Subject : 2 Vapor Samples
Project Name : Olympic Station
Project Number :

Dear Ms. Barr,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the TNI 2009 standards.
Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Pace Analytical Services, Inc.
Pace Analytical Services, Inc. is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab number 08263CA.
If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Pace Analytical®

Report Number : 90256
Date : 02/03/2015

Project Name : **Olympic Station**
Project Number :

Sample : **Oly A SYS INF** Matrix : Air Lab Number : 90256-01
Sample Date :02/02/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**0.38**	0.20	mg/m3	EPA 8260B	02/02/15 22:31
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 22:31
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	02/02/15 22:31
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 22:31
Methyl-t-butyl ether (MTBE)	**0.40**	0.20	mg/m3	EPA 8260B	02/02/15 22:31
TPH as Gasoline	**24**	20	mg/m3	EPA 8260B	02/02/15 22:31
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	02/02/15 22:31
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	02/02/15 22:31

Sample : **Oly A EFF** Matrix : Air Lab Number : 90256-02
Sample Date :02/02/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 20:52
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 20:52
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	02/02/15 20:52
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 20:52
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 20:52
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	02/02/15 20:52
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	02/02/15 20:52
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	02/02/15 20:52

Report Number : 90256

Date : 02/03/2015

QC Report : Method Blank Data

Project Name : **Olympic Station**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	02/02/2015
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	02/02/2015
Toluene - d8 (Surr)	105		%	EPA 8260B	02/02/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Pace Analytical Services, Inc.

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

90256

Page: 1 of 1

1910594

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Stratus	Report To: Debbie	Attention: Debbie
Address: 3330 Cameron Pk Dr, Cameron Pk	Copy To:	Company Name: Stratus
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: 530 676 6004 Fax: 530 676 6005	Project Name: Olympic Station	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

- [ ] NPDES
- [ ] GROUND WATER
- [ ] DRINKING WATER
- [ ] UST
- [ ] RCRA
- [ ] OTHER ______

Site Location STATE: CA

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	GRO	BTEX	MTBE										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Oly A Sys INF	AR	G	2215	0653				1	X									X	X	X											01
2	Oly A EFF	AR	G	2215	0651				1	X									X	X	X											02
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
24 HR TAT on EFF	[signature] Stratus	2215	1212							
STD TAT on Sys INF										
				[signature] PACE Analytical	020215	1242				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Page 4 of 5

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chuck

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 2215

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical

SAMPLE RECEIPT CHECKLIST

SRG #: 90256

Sample Receipt	Initials/Date: [illegible] 020215	Storage Time: 1212	Sample Login	Initials/Date: [illegible] 020215

TAT: ☐ Standard ☐ Rush ☒ Split ☐ None

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipped

Temp °C	☒ N/A	Therm ID	Time	Coolant present	☐ Yes	☐ No	☐ Water	☐ Temp Excursion

For Shipments Only:	Cooler Receipt Initials/Date/Time:	Custody Seals	☐ N/A	☐ Intact	☐ Broken

Chain-of-Custody:	Yes	No
Is COC present?	✓	
Is COC signed by relinquisher?	✓	
Is COC dated by relinquisher?	✓	
Is the sampler's name on the COC?	✓	
Are there analyses or hold for all samples?	✓	

Documented on	COC	Labels	Discrepancies:
Sample ID	✓	✓	
Project ID	✓		
Sample Date	✓	✓	
Sample Time	✓	✓	
Does COC match project history?	☐ N/A	☒ Yes	☐ No

Samples:	N/A	Yes	No
Are sample custody seals intact?	✓		
Are sample containers intact?		✓	
Is preservation documented?	✓		
In-house Analysis:	**N/A**	**Yes**	**No**
Are preservatives acceptable?	✓		
Are samples within holding time?		✓	
Are sample container types correct?		✓	
Is there adequate sample volume?		✓	

Receipt Details:

Matrix	Container Type	# of Containers
Air	Tedlar	02

Comments: Tedlar bag #s - 102718-16, -15. [illegible] 020215 1212

Requires client: Clarification ☐ Approval ☐ Notification ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date:

Client Communication:

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 02/03/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W EFF**					
Lab ID :	STR15020344-01A	TPH-P (GRO)	ND	50 µg/L	02/04/15	02/04/15
Date Sampled	02/02/15 06:37	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/04/15	02/04/15
		Benzene	ND	0.50 µg/L	02/04/15	02/04/15
		Toluene	ND	0.50 µg/L	02/04/15	02/04/15
		Ethylbenzene	ND	0.50 µg/L	02/04/15	02/04/15
		m,p-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		o-Xylene	ND	0.50 µg/L	02/04/15	02/04/15

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected
Reported in micrograms per Liter, per client request.

ACCREDITED ACLASS DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

2/4/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15020344 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020344-01A	Oly W EFF	Aqueous	2

2/4/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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Date: *06-Feb-15*

QC Summary Report

Work Order: 15020344

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020405.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 12:08**

Sample ID: **MBLK MS15W0204B** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.26		10		93	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020404.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 11:22**

Sample ID: **GLCS MS15W0204B** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 11:22**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	384	50	400		96	70	130			
Surr: 1,2-Dichloroethane-d4	9.44		10		94	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.9		10		109	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020416.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 16:35**

Sample ID: **15020344-01AGS** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 16:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2190	250	2000	0	110	54	143			
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	51.4		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020417.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 17:00**

Sample ID: **15020344-01AGSD** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 17:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2380	250	2000	0	119	54	143	2193	8.1(23)	
Surr: 1,2-Dichloroethane-d4	53.7		50		107	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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Date: 06-Feb-15

QC Summary Report

Work Order: 15020344

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15020405.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 12:08

Sample ID: MBLK MS15W0204A Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 12:08

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.26		10		93	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15020403.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 10:44

Sample ID: LCS MS15W0204A Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 10:44

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.92	0.5	10		89	63	137			
Benzene	8.82	0.5	10		88	70	130			
Toluene	8.92	0.5	10		89	80	120			
Ethylbenzene	8.58	0.5	10		86	80	120			
m,p-Xylene	9.26	0.5	10		93	65	139			
o-Xylene	9.04	0.5	10		90	70	130			
Surr: 1,2-Dichloroethane-d4	9.88		10		99	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method 624/8260

File ID: 15020414.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 15:47

Sample ID: 15020344-01AMS Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 15:47

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	57.5	1.3	50	0	115	56	140			
Benzene	48.7	1.3	50	0	97	67	134			
Toluene	46.6	1.3	50	0	93	38	130			
Ethylbenzene	45.1	1.3	50	0	90	70	130			
m,p-Xylene	47.8	1.3	50	0	96	65	139			
o-Xylene	48.1	1.3	50	0	96	69	130			
Surr: 1,2-Dichloroethane-d4	55.6		50		111	70	130			
Surr: Toluene-d8	47.3		50		95	70	130			
Surr: 4-Bromofluorobenzene	49.7		50		99	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method 624/8260

File ID: 15020415.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 16:11

Sample ID: 15020344-01AMSD Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 16:11

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	63.9	1.3	50	0	128	56	140	57.52	10.5(40)	
Benzene	52.8	1.3	50	0	106	67	134	48.69	8.0(21)	
Toluene	50.2	1.3	50	0	100	38	130	46.56	7.5(20)	
Ethylbenzene	48.1	1.3	50	0	96	70	130	45.14	6.4(20)	
m,p-Xylene	51.3	1.3	50	0	103	65	139	47.82	7.0(20)	
o-Xylene	51.6	1.3	50	0	103	69	130	48.1	6.9(20)	
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *06-Feb-15*

QC Summary Report

Work Order: 15020344

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA **RUSH!**

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15020344

Report Due By : 5:00 PM On : 04-Feb-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16877 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	03-Feb-15	03-Feb-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020344-01A	Oly W EFF	AQ	02/02/15 06:37	3	0	1	GAS-C	BTEX/M_C							

Comments: 24hr TAT. Security seals intact. Frozen ice. Chain split into two separate due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 1010

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Strutes
Attn: Debbie
Address: 3330 Cameron Pk Dr
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 — Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 — Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 — Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 — Phone: 702-281-4848

16877

Page # 1 of 1

Consultant/ Client Info:
Company: Strutes
Address:
City, State, Zip:

Job and Purchase Order Info:
Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:
Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO SW8015B	BTEX 8020	MTBE 8260							Remarks
0647	2,2,14	AQ	STK	Oly W INF	STD	3		X	X	X	X							
0644	)	)		Oly W GAC 1	STD	3		X	X	X	X							
0640	)	)		Oly W GAC 2	STD	3		X	X	X	X							
0637	)	)	STK15020344-04A	Oly W EFF	24	3		X	X	X	X							

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Chill

Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Chill Strutes	2-2-15	1247	Melissa AT	2-2-15	1247
			[signature]	2/3/15	945

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 01/06/15

Job: Olympic

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W INF**					
Lab ID :	STR15010644-01A	TPH-P (GRO)	ND	50 µg/L	01/07/15	01/07/15
Date Sampled	01/05/15 07:46	Methyl tert-butyl ether (MTBE)	29	0.50 µg/L	01/07/15	01/07/15
		Benzene	5.4	0.50 µg/L	01/07/15	01/07/15
		Toluene	ND	0.50 µg/L	01/07/15	01/07/15
		Ethylbenzene	ND	0.50 µg/L	01/07/15	01/07/15
		m,p-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
		o-Xylene	ND	0.50 µg/L	01/07/15	01/07/15

Gasoline Range Organics (GRO) C4-C13
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

1/8/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15010644 **Job:** Olympic

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15010644-01A	Oly W INF	Aqueous	2

1/8/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *12-Jan-15*

QC Summary Report

Work Order: 15010644

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010705.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 12:10**

Sample ID: **MBLK MS15W0107B** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 12:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.51		10		85	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010704.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 11:40**

Sample ID: **GLCS MS15W0107B** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 11:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	363	50	400		91	70	130			
Surr: 1,2-Dichloroethane-d4	8.43		10		84	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010728.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 21:26**

Sample ID: **15010645-01AGS** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 21:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1610	250	2000	0	80	54	143			
Surr: 1,2-Dichloroethane-d4	43.7		50		87	70	130			
Surr: Toluene-d8	51.3		50		103	70	130			
Surr: 4-Bromofluorobenzene	54.6		50		109	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010729.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 21:50**

Sample ID: **15010645-01AGSD** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 21:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1590	250	2000	0	79	54	143	1606	1.3(23)	
Surr: 1,2-Dichloroethane-d4	43.2		50		86	70	130			
Surr: Toluene-d8	52		50		104	70	130			
Surr: 4-Bromofluorobenzene	55.1		50		110	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 12-Jan-15

QC Summary Report

Work Order: 15010644

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: 15010705.D Batch ID: MS15W0107A Analysis Date: 01/07/2015 12:10

Sample ID: MBLK MS15W0107A Units : µg/L Run ID: MSD_15_150107A Prep Date: 01/07/2015 12:10

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	8.51		10		85	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: 15010703.D Batch ID: MS15W0107A Analysis Date: 01/07/2015 11:03

Sample ID: LCS MS15W0107A Units : µg/L Run ID: MSD_15_150107A Prep Date: 01/07/2015 11:03

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	7.74	0.5	10		77	63	137			
Benzene	10.6	0.5	10		106	70	130			
Toluene	11.1	0.5	10		111	80	120			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	11.2	0.5	10		112	65	139			
o-Xylene	11.2	0.5	10		112	70	130			
Surr: 1,2-Dichloroethane-d4	8.27		10		83	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: 15010726.D Batch ID: MS15W0107A Analysis Date: 01/07/2015 20:38

Sample ID: 15010645-01AMS Units : µg/L Run ID: MSD_15_150107A Prep Date: 01/07/2015 20:38

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.5	1.3	50	0	97	56	140			
Benzene	56.4	1.3	50	0	113	67	134			
Toluene	56.1	1.3	50	0	112	38	130			
Ethylbenzene	50.5	1.3	50	0	101	70	130			
m,p-Xylene	54.5	1.3	50	0.83	107	65	139			
o-Xylene	55.5	1.3	50	0	111	69	130			
Surr: 1,2-Dichloroethane-d4	42.5		50		85	70	130			
Surr: Toluene-d8	51.6		50		103	70	130			
Surr: 4-Bromofluorobenzene	53.7		50		107	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: 15010727.D Batch ID: MS15W0107A Analysis Date: 01/07/2015 21:02

Sample ID: 15010645-01AMSD Units : µg/L Run ID: MSD_15_150107A Prep Date: 01/07/2015 21:02

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	45.3	1.3	50	0	91	56	140	48.45	6.6(40)	
Benzene	50	1.3	50	0	100	67	134	56.43	12.1(21)	
Toluene	49.1	1.3	50	0	98	38	130	56.07	13.2(20)	
Ethylbenzene	44.7	1.3	50	0	89	70	130	50.47	12.0(20)	
m,p-Xylene	48.6	1.3	50	0.83	95	65	139	54.5	11.5(20)	
o-Xylene	49.8	1.3	50	0	99.5	69	130	55.52	10.9(20)	
Surr: 1,2-Dichloroethane-d4	42.9		50		86	70	130			
Surr: Toluene-d8	51.1		50		102	70	130			
Surr: 4-Bromofluorobenzene	54.6		50		109	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *12-Jan-15*

QC Summary Report

Work Order: 15010644

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH! Page: 1 of 1

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15010644

Report Due By : 5:00 PM On : 08-Jan-15

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 12029 Job : Olympic

Cooler Temp	Samples Received	Date Printed
0 °C	06-Jan-15	06-Jan-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15010644-01A	Oly W INF	AQ	01/05/15 07:46	3	0	2	GAS-C	BTEX/M_C							

Comments: 48 hrs TAT. Security seals intact. Frozen ice. Chain split into three work orders due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	1/6/15 1050

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stratus
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 — Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 — Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 — Phone: 714-386-2901

12029

Page # 1 of 1

Consultant/ Client Info:

Company: Stratus
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID:
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	TPH	Btex	MTBE	Remarks
0746	15/15	AQ	STR150106-140	Oly W INF	72	N	3	X	X	X	
0744	15/15			Oly W BAC1	STD	N	3	X	X	X	
0741	15/15			Oly W BAC2	STD	N	3	X	X	X	
0737	15/15	AQ		Oly W EFF	24	N	3	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Cyril

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Cyril Stratus	1-5-15	1206	Messsat	1-5-15	1206
			[signature]	1/6/15	944

*Key: AQ - Aqueous WA - Waste OT - Other **: L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 01/06/15

Job: Olympic

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W GAC1**					
Lab ID :	STR15010647-01A	TPH-P (GRO)	ND	50 µg/L	01/07/15	01/07/15
Date Sampled	01/05/15 07:44	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/07/15	01/07/15
		Benzene	ND	0.50 µg/L	01/07/15	01/07/15
		Toluene	ND	0.50 µg/L	01/07/15	01/07/15
		Ethylbenzene	ND	0.50 µg/L	01/07/15	01/07/15
		m,p-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
		o-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
Client ID :	**Oly W GAC2**					
Lab ID :	STR15010647-02A	TPH-P (GRO)	ND	50 µg/L	01/07/15	01/07/15
Date Sampled	01/05/15 07:41	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/07/15	01/07/15
		Benzene	ND	0.50 µg/L	01/07/15	01/07/15
		Toluene	ND	0.50 µg/L	01/07/15	01/07/15
		Ethylbenzene	ND	0.50 µg/L	01/07/15	01/07/15
		m,p-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
		o-Xylene	ND	0.50 µg/L	01/07/15	01/07/15

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected
Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
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1/13/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15010647 **Job:** Olympic

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15010647-01A	Oly W GAC1	Aqueous	2
15010647-02A	Oly W GAC2	Aqueous	2

1/13/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *13-Jan-15*

QC Summary Report

Work Order: 15010647

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010705.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 12:10**

Sample ID: **MBLK MS15W0107B** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 12:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.51		10		85	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010704.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 11:40**

Sample ID: **GLCS MS15W0107B** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 11:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	363	50	400		91	70	130			
Surr: 1,2-Dichloroethane-d4	8.43		10		84	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010728.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 21:26**

Sample ID: **15010645-01AGS** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 21:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1610	250	2000	0	80	54	143			
Surr: 1,2-Dichloroethane-d4	43.7		50		87	70	130			
Surr: Toluene-d8	51.3		50		103	70	130			
Surr: 4-Bromofluorobenzene	54.6		50		109	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010729.D** Batch ID: **MS15W0107B** Analysis Date: **01/07/2015 21:50**

Sample ID: **15010645-01AGSD** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 21:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1590	250	2000	0	79	54	143	1606	1.3(23)	
Surr: 1,2-Dichloroethane-d4	43.2		50		86	70	130			
Surr: Toluene-d8	52		50		104	70	130			
Surr: 4-Bromofluorobenzene	55.1		50		110	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *13-Jan-15*

QC Summary Report

Work Order: 15010647

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **15010705.D** Batch ID: **MS15W0107A** Analysis Date: **01/07/2015 12:10**

Sample ID: **MBLK MS15W0107A** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 12:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	8.51		10		85	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **15010703.D** Batch ID: **MS15W0107A** Analysis Date: **01/07/2015 11:03**

Sample ID: **LCS MS15W0107A** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 11:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	7.74	0.5	10		77	63	137			
Benzene	10.6	0.5	10		106	70	130			
Toluene	11.1	0.5	10		111	80	120			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	11.2	0.5	10		112	65	139			
o-Xylene	11.2	0.5	10		112	70	130			
Surr: 1,2-Dichloroethane-d4	8.27		10		83	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **15010726.D** Batch ID: **MS15W0107A** Analysis Date: **01/07/2015 20:38**

Sample ID: **15010645-01AMS** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 20:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.5	1.3	50	0	97	56	140			
Benzene	56.4	1.3	50	0	113	67	134			
Toluene	56.1	1.3	50	0	112	38	130			
Ethylbenzene	50.5	1.3	50	0	101	70	130			
m,p-Xylene	54.5	1.3	50	0.83	107	65	139			
o-Xylene	55.5	1.3	50	0	111	69	130			
Surr: 1,2-Dichloroethane-d4	42.5		50		85	70	130			
Surr: Toluene-d8	51.6		50		103	70	130			
Surr: 4-Bromofluorobenzene	53.7		50		107	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **15010727.D** Batch ID: **MS15W0107A** Analysis Date: **01/07/2015 21:02**

Sample ID: **15010645-01AMSD** Units : µg/L Run ID: **MSD_15_150107A** Prep Date: **01/07/2015 21:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	45.3	1.3	50	0	91	56	140	48.45	6.6(40)	
Benzene	50	1.3	50	0	100	67	134	56.43	12.1(21)	
Toluene	49.1	1.3	50	0	98	38	130	56.07	13.2(20)	
Ethylbenzene	44.7	1.3	50	0	89	70	130	50.47	12.0(20)	
m,p-Xylene	48.6	1.3	50	0.83	95	65	139	54.5	11.5(20)	
o-Xylene	49.8	1.3	50	0	99.5	69	130	55.52	10.9(20)	
Surr: 1,2-Dichloroethane-d4	42.9		50		86	70	130			
Surr: Toluene-d8	51.1		50		102	70	130			
Surr: 4-Bromofluorobenzene	54.6		50		109	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *13-Jan-15*

QC Summary Report

Work Order: 15010647

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR15010647

Report Due By : 5:00 PM On : 13-Jan-15

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 12029 Job : Olympic

Cooler Temp	Samples Received	Date Printed
0 °C	06-Jan-15	**06-Jan-15**

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15010647-01A	Oly W GAC1	AQ	01/05/15 07:44	3	0	5	GAS-C	BTEX/M_C							
STR15010647-02A	Oly W GAC2	AQ	01/05/15 07:41	3	0	5	GAS-C	BTEX/M_C							

Comments: Security seals intact. Frozen ice. Chain split into three work orders due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	**Alpha Analytical, Inc.**	1/6/15 1234

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stratus
Attn: Debbie
Address: 3330 Cameron Pk Dr
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766005

Alpha Analytical, Inc. (Alpha Analytical, Inc. — Environmental Lab)

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 — Phone: 775-355-1044, Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 — Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 — Phone: 714-386-2901

12029

Page # 1 of 1

Consultant/ Client Info:
Company: Stratus
Address:
City, State, Zip:

Job and Purchase Order Info:
Job #
Job Name: Olympic
P.O. #:

Report Attention/Project Manager:
Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No   EDF Required? Yes / No
Global ID:
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	TPH	Btex	MTBE								Remarks
0746	1515	AQ		Oly W Inf	72	N	3	X	X	X								
0744	1515		STR15010647-01	Oly W Bac1	STD	N	3	X	X	X								
0741	1515		STR ↓ 02	Oly W Bac2	STD	N	3	X	X	X								
0737	1515	AQ		Oly W Eff	24	N	3	X	X	X								

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: [signature]

Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
[signature] Stratus	1-5-15	1206	Melissa T	1-5-15	1206
			[signature]	1/6/15	944

* Key: AQ - Aqueous WA - Waste OT - Other **: L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 01/06/15

Job: Olympic

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	Oly W EFF					
Lab ID :	STR15010641-01A	TPH-P (GRO)	ND	50 µg/L	01/06/15	01/06/15
Date Sampled	01/05/15 07:37	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/06/15	01/06/15
		Benzene	ND	0.50 µg/L	01/06/15	01/06/15
		Toluene	ND	0.50 µg/L	01/06/15	01/06/15
		Ethylbenzene	ND	0.50 µg/L	01/06/15	01/06/15
		m,p-Xylene	ND	0.50 µg/L	01/06/15	01/06/15
		o-Xylene	ND	0.50 µg/L	01/06/15	01/06/15

Gasoline Range Organics (GRO) C4-C13
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

1/6/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15010641 **Job:** Olympic

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15010641-01A	Oly W EFF	Aqueous	2

1/6/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *09-Jan-15*

QC Summary Report

Work Order: 15010641

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010609.D** Batch ID: **MS15W0106B** Analysis Date: **01/06/2015 14:17**

Sample ID: **MBLK MS15W0106B** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 14:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.78		10		98	70	130			
Surr: Toluene-d8	9.93		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010608.D** Batch ID: **MS15W0106B** Analysis Date: **01/06/2015 13:49**

Sample ID: **GLCS MS15W0106B** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 13:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	370	50	400		92	70	130			
Surr: 1,2-Dichloroethane-d4	9.42		10		94	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.8		10		98	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010632.D** Batch ID: **MS15W0106B** Analysis Date: **01/06/2015 23:31**

Sample ID: **15010642-01AGS** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 23:31**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1600	250	2000	0	80	54	143			
Surr: 1,2-Dichloroethane-d4	46.3		50		93	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	51.7		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15010633.D** Batch ID: **MS15W0106B** Analysis Date: **01/06/2015 23:55**

Sample ID: **15010642-01AGSD** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 23:55**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1710	250	2000	0	85	54	143	1596	6.9(23)	
Surr: 1,2-Dichloroethane-d4	47.3		50		95	70	130			
Surr: Toluene-d8	50		50		99.9	70	130			
Surr: 4-Bromofluorobenzene	52.6		50		105	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *09-Jan-15*

QC Summary Report

Work Order: 15010641

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **15010609.D** Batch ID: **MS15W0106A** Analysis Date: **01/06/2015 14:17**

Sample ID: **MBLK MS15W0106A** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 14:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.78		10		98	70	130			
Surr: Toluene-d8	9.93		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **15010607.D** Batch ID: **MS15W0106A** Analysis Date: **01/06/2015 13:16**

Sample ID: **LCS MS15W0106A** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 13:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.43	0.5	10		94	63	137			
Benzene	10.4	0.5	10		104	70	130			
Toluene	10.5	0.5	10		105	80	120			
Ethylbenzene	10.2	0.5	10		102	80	120			
m,p-Xylene	10.8	0.5	10		108	65	139			
o-Xylene	10.9	0.5	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	9.9		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **15010630.D** Batch ID: **MS15W0106A** Analysis Date: **01/06/2015 22:43**

Sample ID: **15010642-01AMS** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 22:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	47.9	1.3	50	0	96	56	140			
Benzene	52.9	1.3	50	0	106	67	134			
Toluene	51	1.3	50	0	102	38	130			
Ethylbenzene	46	1.3	50	0	92	70	130			
m,p-Xylene	49.1	1.3	50	0	98	65	139			
o-Xylene	52.2	1.3	50	0	104	69	130			
Surr: 1,2-Dichloroethane-d4	46.3		50		93	70	130			
Surr: Toluene-d8	50.2		50		100	70	130			
Surr: 4-Bromofluorobenzene	53.7		50		107	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **15010631.D** Batch ID: **MS15W0106A** Analysis Date: **01/06/2015 23:07**

Sample ID: **15010642-01AMSD** Units : µg/L Run ID: **MSD_15_150106A** Prep Date: **01/06/2015 23:07**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	54	1.3	50	0	108	56	140	47.91	11.9(40)	
Benzene	54.6	1.3	50	0	109	67	134	52.89	3.1(21)	
Toluene	51.8	1.3	50	0	104	38	130	50.99	1.5(20)	
Ethylbenzene	46.2	1.3	50	0	92	70	130	45.99	0.5(20)	
m,p-Xylene	49.7	1.3	50	0	99	65	139	49.13	1.2(20)	
o-Xylene	52.9	1.3	50	0	106	69	130	52.24	1.2(20)	
Surr: 1,2-Dichloroethane-d4	45.5		50		91	70	130			
Surr: Toluene-d8	51.2		50		102	70	130			
Surr: 4-Bromofluorobenzene	53.6		50		107	70	130			

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *09-Jan-15*

QC Summary Report

Work Order: 15010641

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

RUSH!

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15010641

Report Due By : 5:00 PM On : 06-Jan-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 12029 Job : Olympic

Cooler Temp	Samples Received	Date Printed
0 °C	06-Jan-15	06-Jan-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15010641-01A	Oly W EFF	AQ	01/05/15 07:37	3	0	0	GAS-C	BTEX/M_C							

Comments: ASAP TAT. Security seals intact. Frozen ice. Chain split into three work orders due to different TAT. ;

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	1/6/15 1010

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Company: Stratus
Attn: Debbie
Address: 3330 Cameron Pk Dr
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766005

Alpha Analytical, Inc.
Main Laboratory: 255 Glendale Ave. Suite 21 Sparks, NV 89431 Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901

12029

Page # 1 of 1

Consultant/ Client Info:
Company: Stratus
Address:
City, State, Zip:

Job and Purchase Order Info:
Job #:
Job Name: Olympic
P.O. #:

Report Attention/Project Manager:
Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No EDF Required? Yes / No
Global ID:
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	TPH	BTEX	MTBE									Remarks
0746	1515	AQ		Oly W INF	72	N	3	X	X	X									
0744	1515			Oly W BAC1	STD	N	3	X	X	X									
0741	1515			Oly W BAC2	STD	N	3	X	X	X									
0737	1515	AQ	STR15010641-04	Oly W EFF	24	N	3	X	X	X									

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: [signature]

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	1-5-15	1206	Messenger	1-5-15	1206
			[signature]	1/6/15	944

* Key: AQ - Aqueous WA - Waste OT - Other **: L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 02/03/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	Oly W INF					
Lab ID :	STR15020348-01A	TPH-P (GRO)	ND	50 µg/L	02/04/15	02/04/15
Date Sampled	02/02/15 06:47	Methyl tert-butyl ether (MTBE)	22	0.50 µg/L	02/04/15	02/04/15
		Benzene	2.4	0.50 µg/L	02/04/15	02/04/15
		Toluene	ND	0.50 µg/L	02/04/15	02/04/15
		Ethylbenzene	ND	0.50 µg/L	02/04/15	02/04/15
		m,p-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		o-Xylene	ND	0.50 µg/L	02/04/15	02/04/15

Gasoline Range Organics (GRO) C4-C13
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

2/5/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15020348 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020348-01A	Oly W INF	Aqueous	2

2/15/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 09-Feb-15

QC Summary Report

Work Order: 15020348

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020405.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 12:08**

Sample ID: **MBLK MS15W0204B** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.26		10		93	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020404.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 11:22**

Sample ID: **GLCS MS15W0204B** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 11:22**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	384	50	400		96	70	130			
Surr: 1,2-Dichloroethane-d4	9.44		10		94	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.9		10		109	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020416.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 16:35**

Sample ID: **15020344-01AGS** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 16:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2190	250	2000	0	110	54	143			
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	51.4		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020417.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 17:00**

Sample ID: **15020344-01AGSD** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 17:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2380	250	2000	0	119	54	143	2193	8.1(23)	
Surr: 1,2-Dichloroethane-d4	53.7		50		107	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 09-Feb-15

QC Summary Report

Work Order: 15020348

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15020405.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 12:08

Sample ID: MBLK MS15W0204A Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 12:08

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.26		10		93	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15020403.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 10:44

Sample ID: LCS MS15W0204A Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 10:44

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.92	0.5	10		89	63	137			
Benzene	8.82	0.5	10		88	70	130			
Toluene	8.92	0.5	10		89	80	120			
Ethylbenzene	8.58	0.5	10		86	80	120			
m,p-Xylene	9.26	0.5	10		93	65	139			
o-Xylene	9.04	0.5	10		90	70	130			
Surr: 1,2-Dichloroethane-d4	9.88		10		99	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method 624/8260

File ID: 15020414.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 15:47

Sample ID: 15020344-01AMS Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 15:47

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	57.5	1.3	50	0	115	56	140			
Benzene	48.7	1.3	50	0	97	67	134			
Toluene	46.6	1.3	50	0	93	38	130			
Ethylbenzene	45.1	1.3	50	0	90	70	130			
m,p-Xylene	47.8	1.3	50	0	96	65	139			
o-Xylene	48.1	1.3	50	0	96	69	130			
Surr: 1,2-Dichloroethane-d4	55.6		50		111	70	130			
Surr: Toluene-d8	47.3		50		95	70	130			
Surr: 4-Bromofluorobenzene	49.7		50		99	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method 624/8260

File ID: 15020415.D Batch ID: MS15W0204A Analysis Date: 02/04/2015 16:11

Sample ID: 15020344-01AMSD Units : µg/L Run ID: MSD_15_150204A Prep Date: 02/04/2015 16:11

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	63.9	1.3	50	0	128	56	140	57.52	10.5(40)	
Benzene	52.8	1.3	50	0	106	67	134	48.69	8.0(21)	
Toluene	50.2	1.3	50	0	100	38	130	46.56	7.5(20)	
Ethylbenzene	48.1	1.3	50	0	96	70	130	45.14	6.4(20)	
m,p-Xylene	51.3	1.3	50	0	103	65	139	47.82	7.0(20)	
o-Xylene	51.6	1.3	50	0	103	69	130	48.1	6.9(20)	
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *09-Feb-15*

QC Summary Report

Work Order: 15020348

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

AMENDED

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15020348

Report Due By : 5:00 PM On : 05-Feb-15

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

PO :

EDD Required : Yes

Sampled by : C. Hill

Client's COC # : 16877 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	03-Feb-15	04-Feb-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020348-01A	Oly W INF	AQ	02/02/15 06:47	3	0	2	GAS-C	BTEX/M_C							

Comments: 48hr TAT. Security seals intact. Frozen ice. Chain split into three separate due to different TAT per client info notes. : Amended on 2/4/15 due to adding notes. JA

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/4/15 940

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA **RUSH!**

WorkOrder : STR15020348

Report Due By : 5:00 PM On : 05-Feb-15

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 16877 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	03-Feb-15	03-Feb-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020348-01A	Oly W INF	AQ	02/02/15 06:47	3	0	2	GAS-C	BTEX/M_C							

Comments: 48hr TAT. Security seals intact. Frozen ice. Chain split into three separate due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 1135

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Struts
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 5302676004 Fax: 5302676005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848

16877

Page # 1 of 1

Consultant/ Client Info:

Company: Struts
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	#Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	Analysis Requested: GRO 8015B	BTEX 8021B	MTBE 8260B	Remarks
0647	2/3	AQ	STK15020348-01A	Oly W INF	STD	3		X	X	X	X	
0644	)	)	-02A	Oly W GAC1	STD	3		X	X	X	X	
0640	)	)	-03A	Oly W GAC2	STD	3		X	X	X	X	
0637	)	)		Oly W EFF	24	3		X	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHILL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
CHILL Struts	2-2-15	1247	Melyssa AT	2-2-15	1247
				2/3/15	1020

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 02/03/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	Oly W GAC1					
Lab ID :	STR15020349-01A	TPH-P (GRO)	ND	50 µg/L	02/06/15	02/06/15
Date Sampled	02/02/15 06:44	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/06/15	02/06/15
		Benzene	ND	0.50 µg/L	02/06/15	02/06/15
		Toluene	ND	0.50 µg/L	02/06/15	02/06/15
		Ethylbenzene	ND	0.50 µg/L	02/06/15	02/06/15
		m,p-Xylene	ND	0.50 µg/L	02/06/15	02/06/15
		o-Xylene	ND	0.50 µg/L	02/06/15	02/06/15
Client ID :	Oly W GAC2					
Lab ID :	STR15020349-02A	TPH-P (GRO)	ND	50 µg/L	02/06/15	02/06/15
Date Sampled	02/02/15 06:40	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/06/15	02/06/15
		Benzene	ND	0.50 µg/L	02/06/15	02/06/15
		Toluene	ND	0.50 µg/L	02/06/15	02/06/15
		Ethylbenzene	ND	0.50 µg/L	02/06/15	02/06/15
		m,p-Xylene	ND	0.50 µg/L	02/06/15	02/06/15
		o-Xylene	ND	0.50 µg/L	02/06/15	02/06/15

Gasoline Range Organics (GRO) C4-C13
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

2/10/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15020349 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020349-01A	Oly W GAC1	Aqueous	2
15020349-02A	Oly W GAC2	Aqueous	2

2/10/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Feb-15*

QC Summary Report

Work Order: 15020349

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020604.D** Batch ID: **MS09W0206B** Analysis Date: **02/06/2015 10:50**

Sample ID: **MBLK MS09W0206A** Units : **µg/L** Run ID: **MSD_09_150206A** Prep Date: **02/06/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.9		10		99	70	130			
Surr: Toluene-d8	9.86		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.77		10		98	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020603.D** Batch ID: **MS09W0206B** Analysis Date: **02/06/2015 10:26**

Sample ID: **GLCS MS09W0206B** Units : **µg/L** Run ID: **MSD_09_150206A** Prep Date: **02/06/2015 10:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	419	50	400		105	70	130			
Surr: 1,2-Dichloroethane-d4	9.06		10		91	70	130			
Surr: Toluene-d8	9.94		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.6		10		106	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020617.D** Batch ID: **MS09W0206B** Analysis Date: **02/06/2015 16:00**

Sample ID: **15020543-01AGS** Units : **µg/L** Run ID: **MSD_09_150206A** Prep Date: **02/06/2015 16:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2200	250	2000	0	110	54	143			
Surr: 1,2-Dichloroethane-d4	49.8		50		99.5	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	51.6		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020618.D** Batch ID: **MS09W0206B** Analysis Date: **02/06/2015 16:23**

Sample ID: **15020543-01AGSD** Units : **µg/L** Run ID: **MSD_09_150206A** Prep Date: **02/06/2015 16:23**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2420	250	2000	0	121	54	143	2199	9.4(23)	
Surr: 1,2-Dichloroethane-d4	48.8		50		98	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	51.1		50		102	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 10-Feb-15

QC Summary Report

Work Order: 15020349

Method Blank

File ID: **15020604.D** Type **MBLK** Test Code: **EPA Method 624/8260**

Sample ID: **MBLK MS09W0206A** Units : **µg/L** Batch ID: **MS09W0206A** Run ID: **MSD_09_150206A** Analysis Date: **02/06/2015 10:50** Prep Date: **02/06/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.9		10		99	70	130			
Surr: Toluene-d8	9.86		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.77		10		98	70	130			

Laboratory Control Spike

File ID: **15020602.D** Type **LCS** Test Code: **EPA Method 624/8260**

Sample ID: **LCS MS09W0206A** Units : **µg/L** Batch ID: **MS09W0206A** Run ID: **MSD_09_150206A** Analysis Date: **02/06/2015 09:54** Prep Date: **02/06/2015 09:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.28	0.5	10		93	63	137			
Benzene	10.3	0.5	10		103	70	130			
Toluene	9.9	0.5	10		99	80	120			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	10.5	0.5	10		105	65	139			
o-Xylene	10.7	0.5	10		107	70	130			
Surr: 1,2-Dichloroethane-d4	9.64		10		96	70	130			
Surr: Toluene-d8	9.91		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.73		10		97	70	130			

Sample Matrix Spike

File ID: **15020615.D** Type **MS** Test Code: **EPA Method 624/8260**

Sample ID: **15020543-01AMS** Units : **µg/L** Batch ID: **MS09W0206A** Run ID: **MSD_09_150206A** Analysis Date: **02/06/2015 15:13** Prep Date: **02/06/2015 15:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	49.1	1.3	50	0	98	56	140			
Benzene	57.6	1.3	50	0	115	67	134			
Toluene	55.6	1.3	50	0	111	38	130			
Ethylbenzene	55.3	1.3	50	0	111	70	130			
m,p-Xylene	54.7	1.3	50	0	109	65	139			
o-Xylene	56.2	1.3	50	0	112	69	130			
Surr: 1,2-Dichloroethane-d4	53		50		106	70	130			
Surr: Toluene-d8	46.9		50		94	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Sample Matrix Spike Duplicate

File ID: **15020616.D** Type **MSD** Test Code: **EPA Method 624/8260**

Sample ID: **15020543-01AMSD** Units : **µg/L** Batch ID: **MS09W0206A** Run ID: **MSD_09_150206A** Analysis Date: **02/06/2015 15:36** Prep Date: **02/06/2015 15:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	45.3	1.3	50	0	91	56	140	49.13	8.2(40)	
Benzene	51.1	1.3	50	0	102	67	134	57.6	11.9(21)	
Toluene	49	1.3	50	0	98	38	130	55.55	12.6(20)	
Ethylbenzene	48.4	1.3	50	0	97	70	130	55.25	13.1(20)	
m,p-Xylene	48.2	1.3	50	0	96	65	139	54.74	12.8(20)	
o-Xylene	49	1.3	50	0	98	69	130	56.18	13.7(20)	
Surr: 1,2-Dichloroethane-d4	52.7		50		105	70	130			
Surr: Toluene-d8	46.8		50		94	70	130			
Surr: 4-Bromofluorobenzene	48.9		50		98	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *10-Feb-15*

QC Summary Report

Work Order: 15020349

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15020349

Report Due By : 5:00 PM On : 10-Feb-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16877 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	03-Feb-15	03-Feb-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020349-01A	Oly W GAC1	AQ	02/02/15 06:44	3	0	5	GAS-C	BTEX/M_C							
STR15020349-02A	Oly W GAC2	AQ	02/02/15 06:40	3	0	5	GAS-C	BTEX/M_C							

Comments: Security seals intact. Frozen ice. Chain split into three separate due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	Alpha Analytical, Inc.	2/3/15 1150

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stantec
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 5302766004 Fax: 5302766005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 — Phone: 775-355-1044, Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 — Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 — Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 — Phone: 702-281-4848

16877

Page # 1 of 1

Consultant/ Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	Analysis Requested: 6120 Subset B	BTEX 8020	MTBE 8260	Remarks
0647	2/3	AQ	[redacted]-01A	Oly W INF	STD	3		X	X	X	X	
0644	"	"	[redacted]-02A	Oly W GAC 1	STD	3		X	X	X	X	
0640	"	"	[redacted]-03A	Oly W GAC 2	STD	3		X	X	X	X	
0637	"	"	[redacted]-04A	Oly W EFF	24	3		X	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHILL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Chill Stantec	2-2-15	1247	Melissa AT	2-2-15	1247
				2/3/15	1020

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 03/11/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W INF**					
Lab ID :	STR15031148-01A	TPH-P (GRO)	ND	50 µg/L	03/12/15	03/12/15
Date Sampled	03/10/15 07:05	Methyl tert-butyl ether (MTBE)	21	0.50 µg/L	03/12/15	03/12/15
		Benzene	1.5	0.50 µg/L	03/12/15	03/12/15
		Toluene	ND	0.50 µg/L	03/12/15	03/12/15
		Ethylbenzene	ND	0.50 µg/L	03/12/15	03/12/15
		m,p-Xylene	ND	0.50 µg/L	03/12/15	03/12/15
		o-Xylene	ND	0.50 µg/L	03/12/15	03/12/15

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

3/16/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15031148 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15031148-01A	Oly W INF	Aqueous	2

3/16/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *16-Mar-15*

QC Summary Report

Work Order: 15031148

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15031204.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 12:28**

Sample ID: **MBLK MS08W0312B** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 12:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.81		10		98	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15031203.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 11:56**

Sample ID: **GLCS MS08W0312B** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 11:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	404	50	400		101	70	130			
Surr: 1,2-Dichloroethane-d4	9.79		10		98	70	130			
Surr: Toluene-d8	9.05		10		91	70	130			
Surr: 4-Bromofluorobenzene	12		10		120	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15031209.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 14:27**

Sample ID: **15031145-01AGS** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 14:27**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1920	250	2000	0	96	54	143			
Surr: 1,2-Dichloroethane-d4	49.6		50		99	70	130			
Surr: Toluene-d8	46.4		50		93	70	130			
Surr: 4-Bromofluorobenzene	59.3		50		119	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15031210.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 14:50**

Sample ID: **15031145-01AGSD** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 14:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2080	250	2000	0	104	54	143	1923	7.9(23)	
Surr: 1,2-Dichloroethane-d4	48.8		50		98	70	130			
Surr: Toluene-d8	47.1		50		94	70	130			
Surr: 4-Bromofluorobenzene	61.3		50		123	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 16-Mar-15

QC Summary Report

Work Order: 15031148

Method Blank

Type **MBLK** Test Code: **EPA Method 624/8260**

File ID: **15031204.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 12:28**

Sample ID: **MBLK MS08W0312A** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 12:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.81		10		98	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 624/8260**

File ID: **15031202.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 11:32**

Sample ID: **LCS MS08W0312A** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 11:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	10.1	0.5	10		101	63	137			
Benzene	10.4	0.5	10		104	70	130			
Toluene	10.9	0.5	10		109	80	120			
Ethylbenzene	10.6	0.5	10		106	80	120			
m,p-Xylene	11.5	0.5	10		115	65	139			
o-Xylene	11.3	0.5	10		113	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.16		10		92	70	130			
Surr: 4-Bromofluorobenzene	11.7		10		117	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 624/8260**

File ID: **15031207.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 13:39**

Sample ID: **15031145-01AMS** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 13:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	51.7	1.3	50	0	103	56	140			
Benzene	51.9	1.3	50	0	104	67	134			
Toluene	55.1	1.3	50	0	110	38	130			
Ethylbenzene	53.9	1.3	50	0	108	70	130			
m,p-Xylene	60.1	1.3	50	0.66	119	65	139			
o-Xylene	58.5	1.3	50	0	117	69	130			
Surr: 1,2-Dichloroethane-d4	49.4		50		99	70	130			
Surr: Toluene-d8	46.6		50		93	70	130			
Surr: 4-Bromofluorobenzene	55.2		50		110	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **15031208.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 14:03**

Sample ID: **15031145-01AMSD** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 14:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	52.5	1.3	50	0	105	56	140	51.69	1.5(40)	
Benzene	53.8	1.3	50	0	108	67	134	51.89	3.6(21)	
Toluene	56.5	1.3	50	0	113	38	130	55.1	2.6(20)	
Ethylbenzene	55.2	1.3	50	0	110	70	130	53.92	2.3(20)	
m,p-Xylene	61.4	1.3	50	0.66	121	65	139	60.06	2.1(20)	
o-Xylene	60.6	1.3	50	0	121	69	130	58.51	3.4(20)	
Surr: 1,2-Dichloroethane-d4	49.3		50		99	70	130			
Surr: Toluene-d8	46.4		50		93	70	130			
Surr: 4-Bromofluorobenzene	55.7		50		111	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *16-Mar-15*

QC Summary Report

Work Order: 15031148

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

RUSH!
CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15031148

Report Due By : 5:00 PM On : 16-Mar-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 16142 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	11-Mar-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15031148-01A	Oly W INF	AQ	03/10/15 07:05	3	0	3	GAS-C	BTEX/M_C							

Comments: 72hr TAT per client notes. Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/11/15 1055

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stantec
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 5306766644 Fax: 5306766005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-261-4848

16142

Page # 1 of 1

Consultant/Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	Analysis Requested: 8W8015D GRO	BTEX	MTBE	Remarks
0705	3/9	AQ	[redacted]	Oly W INF	STD	3		X	X	X	X	
0700	"	"	[redacted]	Oly W GAC1	STD	3		X	X	X	X	
0655	"	"	[redacted]	Oly W GAC2	STD	3		X	X	X	X	
0652	"	"	[redacted]	Oly W EFF	24	3		X	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHLC

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Stantec	3-10-15	1200	Melissa T	3-10-15	1200
				3/11/15	1010

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 03/11/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W GAC1**					
Lab ID :	STR15031149-01A	TPH-P (GRO)	ND	50 µg/L	03/15/15	03/15/15
Date Sampled	03/10/15 07:00	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	03/15/15	03/15/15
		Benzene	ND	0.50 µg/L	03/15/15	03/15/15
		Toluene	ND	0.50 µg/L	03/15/15	03/15/15
		Ethylbenzene	ND	0.50 µg/L	03/15/15	03/15/15
		m,p-Xylene	ND	0.50 µg/L	03/15/15	03/15/15
		o-Xylene	ND	0.50 µg/L	03/15/15	03/15/15
Client ID :	**Oly W GAC2**					
Lab ID :	STR15031149-02A	TPH-P (GRO)	ND	50 µg/L	03/15/15	03/15/15
Date Sampled	03/10/15 06:55	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	03/15/15	03/15/15
		Benzene	ND	0.50 µg/L	03/15/15	03/15/15
		Toluene	ND	0.50 µg/L	03/15/15	03/15/15
		Ethylbenzene	ND	0.50 µg/L	03/15/15	03/15/15
		m,p-Xylene	ND	0.50 µg/L	03/15/15	03/15/15
		o-Xylene	ND	0.50 µg/L	03/15/15	03/15/15

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected
Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

ACCLASS ACCREDITED DoD ELAP

3/18/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15031149 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15031149-01A	Oly W GAC1	Aqueous	2
15031149-02A	Oly W GAC2	Aqueous	2

3/18/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 17-Mar-15

QC Summary Report

Work Order: 15031149

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS06\DATA\150315\15031502.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 10:15**

Sample ID: **MBLK MS06W0315B** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 10:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	9.27		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.07		10		91	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS06\DATA\150315\15031504.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 11:00**

Sample ID: **GLCS MS06W0315B** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 11:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	399	50	400		99.8	70	130			
Surr: 1,2-Dichloroethane-d4	10.4		10		104	70	130			
Surr: Toluene-d8	9.17		10		92	70	130			
Surr: 4-Bromofluorobenzene	9.45		10		95	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS06\DATA\150315\15031522.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 18:02**

Sample ID: **15031146-01AGS** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 18:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2040	250	2000	0	102	54	143			
Surr: 1,2-Dichloroethane-d4	57.4		50		115	70	130			
Surr: Toluene-d8	45.6		50		91	70	130			
Surr: 4-Bromofluorobenzene	47.9		50		96	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **C:\HPCHEM\MS06\DATA\150315\15031523.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 18:25**

Sample ID: **15031146-01AGSD** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 18:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2440	250	2000	0	122	54	143	2040	18.0(23)	
Surr: 1,2-Dichloroethane-d4	52.1		50		104	70	130			
Surr: Toluene-d8	44.8		50		90	70	130			
Surr: 4-Bromofluorobenzene	47.5		50		95	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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Date: 17-Mar-15

QC Summary Report

Work Order: 15031149

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: C:\HPCHEM\MS06\DATA\150315\15031502.D Batch ID: MS06W0315A Analysis Date: 03/15/2015 10:15

Sample ID: MBLK MS06W0315A Units : µg/L Run ID: MSD_06_150315A Prep Date: 03/15/2015 10:15

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	9.27		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.07		10		91	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: C:\HPCHEM\MS06\DATA\150315\15031503.D Batch ID: MS06W0315A Analysis Date: 03/15/2015 10:37

Sample ID: LCS MS06W0315A Units : µg/L Run ID: MSD_06_150315A Prep Date: 03/15/2015 10:37

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	10.9	0.5	10		109	63	137			
Benzene	10.3	0.5	10		103	70	130			
Toluene	10.6	0.5	10		106	80	120			
Ethylbenzene	10.8	0.5	10		108	80	120			
m,p-Xylene	11.1	0.5	10		111	65	139			
o-Xylene	11	0.5	10		110	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.87		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.65		10		97	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method 624/8260

File ID: C:\HPCHEM\MS06\DATA\150315\15031520.D Batch ID: MS06W0315A Analysis Date: 03/15/2015 17:17

Sample ID: 15031146-01AMS Units : µg/L Run ID: MSD_06_150315A Prep Date: 03/15/2015 17:17

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	57.2	1.3	50	0	114	56	140			
Benzene	51.4	1.3	50	0	103	67	134			
Toluene	51.6	1.3	50	0	103	38	130			
Ethylbenzene	53	1.3	50	0	106	70	130			
m,p-Xylene	53.5	1.3	50	0	107	65	139			
o-Xylene	53.7	1.3	50	0	107	69	130			
Surr: 1,2-Dichloroethane-d4	55.2		50		110	70	130			
Surr: Toluene-d8	48.1		50		96	70	130			
Surr: 4-Bromofluorobenzene	47.7		50		95	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method 624/8260

File ID: C:\HPCHEM\MS06\DATA\150315\15031521.D Batch ID: MS06W0315A Analysis Date: 03/15/2015 17:40

Sample ID: 15031146-01AMSD Units : µg/L Run ID: MSD_06_150315A Prep Date: 03/15/2015 17:40

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	57.6	1.3	50	0	115	56	140	57.24	0.6(40)	
Benzene	50.6	1.3	50	0	101	67	134	51.36	1.5(21)	
Toluene	51.6	1.3	50	0	103	38	130	51.56	0.1(20)	
Ethylbenzene	52.7	1.3	50	0	105	70	130	53.03	0.7(20)	
m,p-Xylene	53.9	1.3	50	0	108	65	139	53.47	0.7(20)	
o-Xylene	54.1	1.3	50	0	108	69	130	53.71	0.6(20)	
Surr: 1,2-Dichloroethane-d4	53.3		50		107	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	47.2		50		94	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *17-Mar-15*

QC Summary Report

Work Order: 15031149

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15031149

Report Due By : 5:00 PM On : 18-Mar-15

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16142 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	11-Mar-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15031149-01A	Oly W GAC1	AQ	03/10/15 07:00	3	0	5	GAS-C	BTEX/M_C							
STR15031149-02A	Oly W GAC2	AQ	03/10/15 06:55	3	0	5	GAS-C	BTEX/M_C							

Comments: Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/11/15 1100

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stantec
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Pk
Phone Number: 530 672 6004 Fax: 530 672 6005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848

16142

Page # 1 of 1

Consultant/Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	Analysis Requested: 8W8015 GRO	BTEX	MTBE	Remarks
0705	3/9	AQ		Oly W INF	STD	3		X	X	X	X	
0700	"	"	STR1503149-01A	Oly W GAC1	STD	3		X	X	X	X	
0655	"	"	-02A	Oly W GAC2	STD	3		X	X	X	X	
0652	"	"		Oly W EFF	24	3		X	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Stantec	3-10-15	1200	Melissa T	3-10-15	1200
				3/11/15	1010

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 03/11/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W EFF**					
Lab ID :	STR15031147-01A	TPH-P (GRO)	ND	50 µg/L	03/12/15	03/12/15
Date Sampled	03/10/15 06:52	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	03/12/15	03/12/15
		Benzene	ND	0.50 µg/L	03/12/15	03/12/15
		Toluene	ND	0.50 µg/L	03/12/15	03/12/15
		Ethylbenzene	ND	0.50 µg/L	03/12/15	03/12/15
		m,p-Xylene	ND	0.50 µg/L	03/12/15	03/12/15
		o-Xylene	ND	0.50 µg/L	03/12/15	03/12/15

Gasoline Range Organics (GRO) C4-C13
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

3/12/15
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15031147 **Job:** Olypmic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15031147-01A	Oly W EFF	Aqueous	2

3/12/15

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 16-Mar-15

QC Summary Report

Work Order: 15031147

Method Blank

Type MBLK Test Code: EPA Method SW8015B/C / SW8260B

File ID: 15031205.D Batch ID: MS15W0312B Analysis Date: 03/12/2015 12:39

Sample ID: MBLK MS15W0312B Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 12:39

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8015B/C / SW8260B

File ID: 15031204.D Batch ID: MS15W0312B Analysis Date: 03/12/2015 12:10

Sample ID: GLCS MS15W0312B Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 12:10

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	391	50	400		98	70	130			
Surr: 1,2-Dichloroethane-d4	11		10		110	70	130			
Surr: Toluene-d8	9.73		10		97	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8015B/C / SW8260B

File ID: 15031228.D Batch ID: MS15W0312B Analysis Date: 03/12/2015 22:00

Sample ID: 15031147-01AGS Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 22:00

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1970	250	2000	0	99	54	143			
Surr: 1,2-Dichloroethane-d4	56.4		50		113	70	130			
Surr: Toluene-d8	48.4		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8015B/C / SW8260B

File ID: 15031229.D Batch ID: MS15W0312B Analysis Date: 03/12/2015 22:25

Sample ID: 15031147-01AGSD Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 22:25

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2060	250	2000	0	103	54	143	1971	4.3(23)	
Surr: 1,2-Dichloroethane-d4	56.9		50		114	70	130			
Surr: Toluene-d8	49.6		50		99	70	130			
Surr: 4-Bromofluorobenzene	50.3		50		101	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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Date: 16-Mar-15

QC Summary Report

Work Order: 15031147

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15031205.D Batch ID: MS15W0312A Analysis Date: 03/12/2015 12:39

Sample ID: MBLK MS15W0312A Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 12:39

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15031203.D Batch ID: MS15W0312A Analysis Date: 03/12/2015 11:46

Sample ID: LCS MS15W0312A Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 11:46

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.47	0.5	10		85	63	137			
Benzene	9.4	0.5	10		94	70	130			
Toluene	10.7	0.5	10		107	80	120			
Ethylbenzene	10.1	0.5	10		101	80	120			
m,p-Xylene	11	0.5	10		110	65	139			
o-Xylene	10.9	0.5	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	9.49		10		95	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.98		10		99.8	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method 624/8260

File ID: 15031226.D Batch ID: MS15W0312A Analysis Date: 03/12/2015 21:12

Sample ID: 15030446-02AMS Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 21:12

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.3	1.3	50	0	97	56	140			
Benzene	41	1.3	50	0	82	67	134			
Toluene	43.4	1.3	50	0	87	38	130			
Ethylbenzene	38.9	1.3	50	0	78	70	130			
m,p-Xylene	42.1	1.3	50	0	84	65	139			
o-Xylene	44.3	1.3	50	0	89	69	130			
Surr: 1,2-Dichloroethane-d4	54.7		50		109	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.1		50		98	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method 624/8260

File ID: 15031227.D Batch ID: MS15W0312A Analysis Date: 03/12/2015 21:36

Sample ID: 15030446-02AMSD Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 21:36

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	46.2	1.3	50	0	92	56	140	48.33	4.6(40)	
Benzene	39.1	1.3	50	0	78	67	134	41	4.8(21)	
Toluene	42.1	1.3	50	0	84	38	130	43.37	3.0(20)	
Ethylbenzene	38.7	1.3	50	0	77	70	130	38.88	0.5(20)	
m,p-Xylene	42.2	1.3	50	0	84	65	139	42.12	0.2(20)	
o-Xylene	43.3	1.3	50	0	87	69	130	44.27	2.2(20)	
Surr: 1,2-Dichloroethane-d4	54.1		50		108	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	49.8		50		99.5	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *16-Mar-15*

QC Summary Report

Work Order: 15031147

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

RUSH! CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15031147

Report Due By : 5:00 PM On : 12-Mar-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16142 Job : Olypmic Station

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	11-Mar-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15031147-01A	Oly W EFF	AQ	03/10/15 06:52	3	0	1	GAS-C	BTEX/M_C							

Comments: 24hr TAT. Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/11/15 1050

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Stantec
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 5306726884 Fax: 5306726005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 — Phone: 775-355-1044, Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 — Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 — Phone: 775-388-7043
Southern NV: 6256 McLeod Ave, Suite 24, Las Vegas, NV 89120 — Phone: 702-281-4848

16142

Page # 1 of 1

Consultant/Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No — EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR (CA) KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	Analysis Requested: SM6010B GRO	BTEX	MTBE	Remarks
0705	3/9	AQ		Oly W INF	STD	3		X	X	X	X	
0700	〃	〃		Oly W GAC1	STD	3		X	X	X	2	
0659	〃	〃		Oly W GAC2	STD	3		X	X	X	2	
0652	〃	〃		Oly W EFF	24	3		X	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Stantec	3-10-15	1200	Melissa T	3-10-15	1200
				3/11/15	1010

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Pace Analytical®

Report Number : 90502
Date : 03/18/2015

Laboratory Results

Debbie Barr
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682

Subject : 2 Vapor Samples
Project Name : Olympic Station
Project Number :

Dear Ms. Barr,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the TNI 2009 standards.
Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Pace Analytical Services, Inc.
Pace Analytical Services, Inc. is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab number 08263CA.
If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Pace Analytical®

Report Number : 90502
Date : 03/18/2015

Project Name : **Olympic Station**
Project Number :

Sample : **Oly A SYS INF** Matrix : Air Lab Number : 90502-01
Sample Date :03/10/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:39
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:39
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	03/10/15 21:39
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:39
Methyl-t-butyl ether (MTBE)	**0.52**	0.20	mg/m3	EPA 8260B	03/10/15 21:39
TPH as Gasoline	**22**	20	mg/m3	EPA 8260B	03/10/15 21:39
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	03/10/15 21:39
Toluene - d8 (Surr)	112		% Recovery	EPA 8260B	03/10/15 21:39

Sample : **Oly A EFF** Matrix : Air Lab Number : 90502-02
Sample Date :03/10/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:06
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:06
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	03/10/15 21:06
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:06
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 21:06
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	03/10/15 21:06
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	03/10/15 21:06
Toluene - d8 (Surr)	110		% Recovery	EPA 8260B	03/10/15 21:06

Report Number : 90502

Date : 03/18/2015

QC Report : Method Blank Data

Project Name : **Olympic Station**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	03/10/2015
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	03/10/2015
Toluene - d8 (Surr)	113		%	EPA 8260B	03/10/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Pace Analytical Services, Inc.

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

90502

Page: 1 of 1

1910598

Section A Required Client Information:

Company: Stantec's
Address: 3330 Cameron Park Dr
Cameron Pk CA
Email To:
Phone: 530 676 6004 Fax: 530 676 6005
Requested Due Date/TAT: 24 HR EFF

Section B Required Project Information:

Report To: Debbie
Copy To:
Purchase Order No.:
Project Name: Olympic Station
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: GRO	BTEX	MTBE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Oly A Sys INF	AR	G	31015	0725				1	X									X	X	X		001
2	Oly A EFF	AR	G	31015	0720				1	X									X	X	X		002
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
24 HR TAT EFF	Stantec's	31015	1105				
STD on Sys INF							
				PACE Analytical	031015	1105	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: CHLC

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 31015

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 25Feb2015 Page 1 of 1
	Document No.: **F-DAV-C-002-rev.02**	Issuing Authority: Pace Davis, CA Quality Office

Sample Condition Upon Receipt

Client Name: STRATUS

Project #: 90502

Courier: ☐Fed Ex ☐UPS ☐USPS ☒Client ☐Commercial ☐Pace ☐OnTrac ☐Other:_____

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☐Yes ☒No **Seals Intact?** ☐Yes ☒No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☒None ☐Other:_____ **Temp Blank?** ☐Yes ☒No

Thermom. Used: ☐DA1434 N/A ☐DA2285 **Type of Ice:** ☐Wet ☐Blue ☐Dry Ice ☐None ☐Samples on ice, cooling process has begun

Cooler Temp Read(°C): _____ **Cooler Temp Corrected(°C):** _____ **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date and Initials of Person Examining Contents:** _____

				Comments:
Chain of Custody Present?	☒Yes	☐No	☐N/A	1. Airbag #5 : 1027864-07
Chain of Custody Filled Out?	☒Yes	☐No	☐N/A	2. 1027864-01
Chain of Custody Relinquished?	☒Yes	☐No	☐N/A	3.
Sampler Name and/or Signature on COC?	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time?	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72 hr)?	☒Yes	☐No	☐N/A	6.
Rush Turn Around Time Requested?	☒Yes	☐No	☐N/A	7.
Sufficient Volume?	☒Yes	☐No	☐N/A	8.
Correct Containers Used?	☒Yes	☐No	☐N/A	9.
-Pace Containers Used?	☒Yes	☐No	☐N/A	
Containers Intact?	☒Yes	☐No	☐N/A	10.
Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: AR	☒Yes	☐No	☐N/A	12.
All containers needing acid/base preservation have been checked?	☐Yes	☐No	☒N/A	13. ☐HNO_3 ☐H_2SO_4 ☐NaOH ☐HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐Yes	☐No	☒N/A	Sample #
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☒Yes	☐No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐Yes	☐No	☒N/A	14.
Trip Blank Present?	☐Yes	☐No	☒N/A	15.
Trip Blank Custody Seals Present?	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1st Quarter 2015 GW Monitoring Lab Results
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15020347_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	3/10/2015 10:47:06 AM
Confirmation Number:	2698751866

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GEO_WELL
Report Title:	1st Quarter 2015 Geo Well
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	GEO_WELL.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	3/10/2015 11:06:14 AM
Confirmation Number:	8735831975

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 1-6-15 AINF-AEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	EDF_Olympic_90047.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/10/2015 5:32:13 PM
Confirmation Number:	3204672276

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 AINF-AEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	EDF_OlympicStation_90256.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/10/2015 5:33:11 PM
Confirmation Number:	4758226513

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 AINF-AEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	EDF_OlympicStation_90502.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/17/2015 3:14:49 PM
Confirmation Number:	9035877287

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 WGAC
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15010647_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:50:25 PM
Confirmation Number:	6941764593

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 WINF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15010644_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:46:27 PM
Confirmation Number:	9363305270

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 WEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15010641_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:54:58 PM
Confirmation Number:	2341562628

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 WINF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15020348_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:56:48 PM
Confirmation Number:	7662605047

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 WEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15020344_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:58:38 PM
Confirmation Number:	5262224316

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 WGAC
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15020349_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:57:55 PM
Confirmation Number:	4554572820

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 WINF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15031148_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 1:59:17 PM
Confirmation Number:	7358695745

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 WEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15031147_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 2:09:03 PM
Confirmation Number:	1709986090

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 WGAC
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600102256
Facility Name:	OLYMPIC STATION
File Name:	15031149_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/13/2015 2:00:48 PM
Confirmation Number:	9843851447

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