Mr. Keith Nowell
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Grimit Auto Repair and Service, 1970 Seminary Boulevard, Oakland, California (Fuel Leak Case No. RO0000413)

Dear Mr. Nowell:

Stratus Environmental, Inc. (Stratus) has recently prepared a report entitled *Groundwater Monitoring and Remediation Status Report, Second Quarter 2015* on my behalf. The report was prepared in regards to Alameda County Fuel Leak Case No. RO0000413, for Grimit Auto Repair and Service, 1970 Seminary Boulevard, Oakland, California.

I have reviewed a copy of this report, sent to me by representatives of Stratus, and "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge."

If you have any questions, please contact me via electronic mail at peggy.h.garcia@sbcglobal.net, or my daughter Angel LaMarca at angelcpt@gmail.com.

Sincerely,

Peggy Garcia, Trustee

Ms. Peggy Garcia, Trustee, Grimit Family Trust

cc: Angel LaMarca

STRATUS
ENVIRONMENTAL, INC.

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

August 11, 2015
Project No. 2090-1970-01

Mr. Keith Nowell
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Groundwater Monitoring and Remediation Status Report
Second Quarter 2015
Former Grimit Auto Repair and Service
1970 Seminary Boulevard, Oakland, California
Fuel Leak Case No. RO0000413

Dear Mr. Nowell:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, on behalf of the Grimit Family Trust, for the Former Grimit Auto Repair and Service underground storage tank fuel leak case located at 1970 Seminary Boulevard, Oakland, California. This report presents a summary of environmental activities performed at the subject property during the second quarter 2015. This report has been prepared in compliance with ACEHD and California Regional Water Quality Control Board (CRWQCB) requirements for underground storage tank (UST) investigations.

If you have any questions regarding this report, please contact Scott Bittinger at (530) 676-2062 or via email at sbittinger@stratusinc.net.

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: Groundwater Monitoring and Remediation Status Report, Second Quarter 2015

cc: Ms. Peggy Garcia, Trustee, Grimit Family Trust *(email: peggy.h.garcia@sbcglobal.net)*
Ms. Angel LaMarca *(email: angelcpt@gmail.com)*
Ms. Cherie McCaulou, California Regional Water Quality Control Board *(via GeoTracker)*

Date August 11, 2015

GRIMIT AUTO REPAIR & SERVICE
GROUNDWATER MONITORING AND REMEDIATION STATUS REPORT

Facility Address:	1970 Seminary Boulevard, Oakland, California
Consulting Co. / Contact Person:	Stratus Environmental, Inc. / Scott Bittinger, P.G.
Consultant Project No:	2090-1970-01
Primary Agency/Regulatory ID No:	Mr. Keith Nowell, Alameda County Environmental Health Department (ACEHD), Fuel Leak Case No. RO0000413

WORK PERFORMED THIS PERIOD (Second Quarter 2015):

1. During the second quarter 2015, Stratus conducted six site visits to perform routine operation and maintenance (O&M) of the dual phase extraction (DPE) system and to collect samples needed to evaluate system performance and contaminant destruction efficiency. Operation and maintenance summary of the field data, analytical results, and the extraction and emission rates for the system is summarized in Tables 5 through 10.

2. A groundwater monitoring and sampling event was conducted on June 30, 2015. Typically, groundwater samples are only collected at the site during the first and third calendar quarters of each year, however, groundwater samples were collected in June 2015 to assist in evaluating DPE remedial performance.

WORK PROPOSED FOR NEXT PERIOD (Third Quarter 2015):

1. On June 24, 2015, ACEHD issued a letter requesting an evaluation of DPE remedial performance, and this report is intended to satisfy this requirement. During the third quarter 2015, Stratus will continue to operate the DPE system while groundwater levels remain low. After an ACEHD review of this report, Stratus and ACEHD will discuss the necessity of continued operation of the DPE system.

2. Tentatively, the third quarter 2015 groundwater monitoring and sampling event is scheduled to be completed in September 2015.

Current Phase of Project:	CAP/REM
Frequency of Groundwater Monitoring:	All monitoring wells = Semi-annually (1st & 3rd calendar quarters)
Frequency of Groundwater Sampling:	All monitoring wells = Semi-annually (1st & 3rd calendar quarters)
Groundwater Sampling Date:	June 30, 2015 (as stated earlier, 2nd quarter well sampling performed in order to assist in evaluating remedial performance)
Is Free Product (FP) Present on Site:	Intermittent sheen/FP at well MW-1
Depth to Groundwater:	4.86 to 26.67 feet below the top of the well casing
Groundwater Flow Direction :	Not mathematically calculated due to large variability in groundwater levels within the monitoring well network (discussed between ACEHD and Stratus in May 2013 meeting). Based on distribution of fuel contaminants in groundwater, shallow groundwater flow appears to be predominately to the west-northwest. Under DPE conditions, inward groundwater flow towards wells used for extraction is likely occurring locally.

SOIL VAPOR EXTRACTION PORTION OF DPE SYSTEM – PERFORMANCE SUMMARY:

Equipment Inventory:	Enviro Supply 250 cfm thermal/catalytic oxidizer; 20-hp LRP
Operating Mode:	Thermal (continuous)
BAAQMD Permit Nos.:	PTO Plant No. 22351
Influent GRO Conc. End of Period (lab):	160 mg/m^3 (6/2/15)
Influent Benzene Conc. End of Period (lab):	<0.20 mg/m^3 (6/2/15)
Influent MTBE Conc. End of Period (lab):	<0.20 mg/m^3 (6/2/15)
Average Flow Rate:	109.8 acfm (between 3/23/15 and 6/22/15)
Average Applied Vacuum:	12.0 inches Hg (3/23/15 and 6/22/15)
GRO Destroyed this Period:	238.3 lbs (between 3/10/15 and 6/2/15)
Operating Hours this Period:	2,184.0 hrs (between 3/23/15 and 6/22/15)
Percent Time Operational (average):	100% (between 3/23/15 and 6/22/15)
Number of Shutdowns:	0

GROUNDWATER EXTRACTION PORTION OF DPE SYSTEM – PERFORMANCE SUMMARY:

Equipment Inventory:	Two 2,000-lb. activated carbon vessels
Operating Mode:	Continuous (start-up on 12/18/14)
EBMUD Sewer Discharge Permit No.:	62203411
GRO Concentration End of Period (lab):	<50 µg/L (system influent) (6/2/15)
Benzene Concentration End of Period (lab):	<0.50 µg/L (system influent) (6/2/15)
MTBE Concentration End of Period (lab):	<0.50 µg/L (system influent) (6/2/15)
Average Groundwater Extraction Rate:	0.072 gpm (average between 3/10/15 and 6/2/15)
GRO extracted this period:	0.004 lbs (between 3/10/15 and 6/2/15)
Groundwater Discharged this Period:	8,700 gallons (between 3/10/15 and 6/2/15)

FINDINGS AND DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on June 30, 2015. During this event, wells MW-1 through MW-9 were gauged and sampled according to the requirements of the ACEHD-approved monitoring and sampling plan. Wells MW-2 through MW-8 were sampled after purging. Since well MW-1 is being used for vapor extraction, a grab groundwater sample was collected. Well MW-9 did not contain sufficient groundwater to allow for well sampling. Groundwater samples were forwarded to a state-certified analytical laboratory to be analyzed for gasoline range organics (GRO) by EPA Method SW8015B/SW8260B, for benzene, toluene, ethylbenzene, and xylene (BTEX compounds), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), halogenated volatile organic compounds (HVOCs) by EPA Method SW8260B, and for oil & grease (O&G) by EPA Method 1664A. Samples containing O&G are typically analyzed with and without silica gel cleanup (if detections are present in the samples). Table 1 provides depth to water measurements and groundwater elevations. Tables 2 through 4 present a summary of groundwater analytical data collected for the site's monitoring well network.

Field data sheets documenting measurements and observations collected by Stratus personnel are provided in Appendix A. A description of sampling and analysis procedures used by Stratus/laboratory personnel are provided in Appendix B. Certified analytical results provided by the analyzing laboratory

(Alpha Analytical, Inc.) are presented in Appendix C. Analytical results of sampled wells and depth to groundwater measurements have been uploaded to the State of California's GeoTracker database. Documentation of these data uploads is attached in Appendix D.

Groundwater Levels and Distribution of Groundwater Contaminants

Groundwater levels in the well network ranged from 4.86 to 26.67 feet below the top of the well casing on June 30, 2015, under active remedial conditions. Given the dimensions and layout of the property (small acreage on flat land), very large variations in groundwater levels are observed within the site's well network. Due to this condition, preparation of groundwater elevation contour maps using the available data do not appear useful for assessing groundwater flow direction beneath the site, and thus Stratus has discontinued preparation of groundwater elevation contour maps (discussed in May 2013 meeting). Localized inward flow towards the extraction wells, is expected due to ongoing DPE.

In general, most VOC impact is observed in the area near the former waste oil tank. Gasoline related fuel contaminants in shallow groundwater are present across most of the site property, with limited impact appearing to extend offsite. Figures 4 and 5 present a summary of petroleum hydrocarbon and VOC concentrations in groundwater, respectively, using data collected from the June 2015 well sampling event. Also included on Figures 4 and 5 are data from a January 2012 direct push soil boring investigation; these data are provided based on requests from ACEHD in the May 2013 meeting since the direct push boring data is useful in illustrating the lateral limits of impact to shallow groundwater.

The highest concentration of GRO (5,900 micrograms per liter [µg/L]) was reported in the sample collected from well MW-1. Benzene was also detected at MW-1 at 40 µg/L. GRO and benzene were also detected in samples collected from wells MW-4 (360 µg/L and 4.9 µg/L, respectively), and MW-7 (1,900 µg/L and 110 µg/L, respectively. MW-7 had the highest reported concentration of benzene. Benzene was also detected in well MW-6 (1.4 µg/L). Oil and grease was reported in the MW-1 well sample (130,000 µg/L without silica gel treatment, 100,000 µg/L with silica gel treatment). MTBE was only detected in one well sample (MW-4, 2.4 µg/L).

At well MW-7, trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations of 3.9 µg/L, 16 µg/L, and 16 µg/L, respectively. At well MW-4, 1,2-dichlorobenzene (6.0 µg/L), 1,3-dichlorobenzene (3.5 µg/L), 1,4-dichlorobenzene (3.0 µg/L), TCE (3.3 µg/L), cis-1,2-DCE (85 µg/L), and trans-1,2-dichloroethane (4.2 µg/L) were reported in the collected sample. TCE was also detected in the samples collected from well MW-2 (1.1 µg/L) and MW-5 (2.6 µg/L). At wells MW-1 and MW-5, cis-1,2-DCE was also reported at levels of 4.7 µg/L and 2.9 µg/L, respectively. At well MW-8, VOC concentrations have been reduced below laboratory reporting limits. No PCE was detected in any of the samples.

DUAL-PHASE EXTRACTION AND GROUNDWATER TREATMENT REMEDIATION SYSTEM

System Description

The remediation system consists of a dual-phase extraction (DPE) portable trailer mounted system which was originally connected to four 4-inch diameter extraction wells (EX-1, EX-2, EX-3 and EX-6) by above ground conveyance piping. On March 23, 2015, well MW-1 was added to the system as an additional extraction well. The SVE portion of the DPE system consists of a 250 cubic feet per minute (cfm) thermal/catalytic oxidizer, a 20-horsepower (hp) liquid ring pump, a knockout tank, and a 2-hp transfer pump. The GWE&T portion of the DPE system consists of a centrifugal pump, particulate filters, and two 2,000-pound granular activated virgin coconut shell carbon (GAC) vessels installed in series. Soil vapor and groundwater are simultaneously extracted from the subsurface by applying high vacuum on down-well stingers installed within the extraction wells using the liquid ring blower. The combined extraction air/water stream is separated into the vapor and liquid phases in a primary knockout tank.

The vapor portion of the separated stream is abated using the thermal oxidizer, prior to discharge to atmosphere, under a permit to operate (PTO) issued by Bay Area Air Quality Management District (BAAQMD) (PTO Plant No. 22351). The SVE portion of the system has a built-in hour meter used to

determine the operational uptime. Sample ports (system-influent and effluent) have been installed to collect vapor samples for laboratory testing; results are used to estimate the destruction efficiency of the oxidizer. The groundwater portion of the separated stream is routed to the holding tank, treated via the GAC vessels, and discharged to the sanitary sewer, under a permit issued by East Bay Municipal Utility District (EBMUD) (No. 62203411). Extraction of groundwater from the wells is controlled by level switches in the primary holding tank. A flow totalizer, installed after the two GAC vessels, is used to record the volume of groundwater that is discharged to the sanitary sewer.

System Operation and Maintenance – Second Quarter 2015

During the second quarter 2015, Stratus visited the site six times (April 2 and 22, May 5 and 20, and June 2 and 22, 2015) to verify system operation, conduct routine O&M of the system, to collect groundwater and soil vapor samples for permit compliance, to optimize system operation, and to gauge system effectiveness. An operational summary of the system is summarized in Table 5 and 6. Soil vapor and groundwater analytical results including the extraction and emission rates of the remediation system are summarized in Tables 7 through Table 10.

Field data sheets are included as Appendix A and copies of laboratory analytical reports and chain-of-custody documentation are included as Appendix C. Analytical results of remediation vapor/water samples been uploaded to SWRCB's GeoTracker database and documentation of these uploads are included as Appendix D.

Between March 23, 2015, and June 22, 2014, the remediation system operated for approximately 2,184 hours (100% uptime during this period), at an average flow rate of approximately 109.8 acfm at an average applied vacuum of approximately 12 inches of mercury ("Hg). DPE was performed using wells MW-1, EX-1, EX-2, EX-3, and EX-6 for extraction.

System influent and effluent vapor samples were collected from the SVE portion of the system on April 2, May 5, and June 2, 2015. Influent GRO concentrations ranged from 48 milligrams per cubic meter (mg/m^3) to 730 mg/m^3, and the influent total xylenes concentration fluctuated from below reporting limits to 1.3 mg/m^3. Benzene was detected in the influent sample collected on April 2, 2015, at a concentration of 0.26 mg/m^3, but was not detected in the May 5 and June 2, 2015, influent samples. Stratus estimates that approximately 238 pounds of GRO were removed from the subsurface, in the vapor phase, between March 10 and June 2, 2015, and a total of 260 pounds of GRO has been removed from the subsurface, in the vapor phase, since startup on November 20, 2014 (see Table 8). During the reporting period, no petroleum hydrocarbons or VOCs were detected in the effluent air samples; therefore, the remediation system is operating in compliance with the BAAQMD permit.

Approximately 8,700 gallons of groundwater were extracted from the subsurface between March 10, 2015 and June 2, 2015. The groundwater was subsequently treated on-site, and discharged to the sanitary sewer system. Based on flow totalizer measurements, groundwater is being extracted at a rate of approximately 0.072 gallons per minute (gpm; see Table 10).

Influent, mid-fluent, and effluent groundwater samples were collected from the GWE&T portion of the system on April 2, May 5, and June 2, 2015. Influent concentrations of petroleum hydrocarbons and VOCs are low to non-detectable. All concentrations of petroleum hydrocarbons and VOCs were reported as non-detect in all of the effluent groundwater samples. Influent concentrations of fuel contaminants in groundwater are relatively low, and therefore, contaminant mass removal in the dissolved phase is low (see Tables 9 and 10). Based on analytical results, the GAC groundwater treatment system appears to be operating in compliance with East Bay Municipal Utilities District discharge requirements.

DISCUSSION

DPE work appears to be resulting in a decline in GRO and BTEX concentrations in groundwater beneath the site. The following tables present a summary of GRO and benzene concentration reductions over time by comparing data from September 2014 (prior to initiating DPE) and June 2015 (following approximately 6 months of DPE).

GRO in Groundwater (µg/L)

Well	MW-1	MW-4	MW-5	MW-6	MW-7
Sept. 2014	24,000	1,500	3,000	140	5,100
Feb. 2015	17,000	350	80	570	2,100
June 2015	5,900	360	110	<50	1,900
% Reduction	75.4	76.0	96.3	>64.2	62.7

Benzene in Groundwater (µg/L)

Well	MW-1	MW-4	MW-5	MW-6	MW-7
Sept. 2014	320	37	17	11	200
Feb. 2015	400	7.2	<0.5	32	47
June 2015	40	4.9	<0.5	1.4	110
% Reduction	87.5	86.6	>97.0	87.3	45

Note: Well MW-9 has not been sampled recently due to low groundwater recharge rates or dry conditions. Samples collected from wells MW-2, MW-3, and MW-8 are consistently absent of petroleum hydrocarbons.

Although contaminant mass extraction rates are relatively low at the site (less than 4 pounds of GRO in the vapor phase per day), DPE remediation appears to be effective in reducing GRO and BTEX impact to groundwater. As illustrated above, GRO concentrations beneath the site have declined between 62.7 and 96.3 percent in the monitoring wells and benzene concentrations have declined between 45 and 97 percent in the monitoring wells. Evaluation of long term trends for oil and grease concentrations (well MW-1), following implementation of DPE, will require further sampling in the future.

RECOMMENDATION:

Due to relatively low groundwater levels beneath the property, and continued drought conditions, we expect that subsurface conditions will remain ideal for performing DPE remediation in the upcoming months. Given this condition, and the improvements in contaminant level concentrations during the past 6 months, Stratus is recommending continuation of DPE through the third quarter 2015.

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 Groundwater Elevation Summary
- Table 2 Groundwater Analytical Summary for Petroleum Hydrocarbons
- Table 3 Analytical Results for Fuel Oxygenates and Additives
- Table 4 Analytical Results for Volatile Organic Compounds
- Table 5 Operational Uptime and Flow Summary
- Table 6 Vacuum and Depth to Water Summary
- Table 7 SVE Component – Analytical Results and Flowrates
- Table 8 SVE Component – Extraction and Emission Rates
- Table 9a Groundwater Extraction Component – Groundwater Analytical Data Summary
- Table 9b Groundwater Extraction Component – Groundwater Analytical Data Summary
- Table 10 Groundwater Extraction Component – Operational Performance and Mass Removal Summary
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Site Vicinity Map
- Figure 4 Petroleum Hydrocarbon Groundwater Analytical Summary Above 40' bgs
- Figure 5 Halogenated VOC Groundwater Analytical Summary Above 40' bgs
- Figure 6 Process Flow Diagram
- Appendix A Field Data Sheets
- Appendix B Sampling and Analysis Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Information

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-1 (deep)	07/22/00	21.93	36.99	sheen	15.06
	01/29/01	19.49	36.99	0.01	17.51
	07/28/01	19.84	36.99	sheen	17.15
	02/03/02	16.03	36.99	0.01	20.97
	07/23/02	20.45	36.99	0.01	16.55
	01/20/03	15.08	36.99	0.02	21.92
	07/30/03	19.06	36.99	0.02	17.94
	01/27/04	16.45	36.99	sheen	20.54
	07/22/04	20.22	40.02	0.08	19.86
	01/20/05	13.92	40.02	sheen	26.10
	07/20/05	16.76	40.02	sheen	23.26
	01/26/06	14.40	40.02	0.01	25.63
	07/27/06	17.66	40.02	sheen	22.36
	01/24/07	17.43	40.02	0.02	22.60
	07/18/07	19.31	40.02	0.17	20.84
	02/15/08	14.80	40.02	0.02	25.23
	07/25/08	20.21	40.02	0.42	20.12
	01/23/09[1]	19.71	40.02	0.08	20.37
	07/20/09	19.58	40.02	0.125	20.53
	01/25/10[1]	13.69	40.02	0.125	26.42
	07/29/10	21.20	40.02	0.40	19.12
	01/31/11	19.12	40.02	0.21	21.06
	07/12/11	20.90	40.02	0.30	19.34
	01/17/12	20.89	42.91	0.06	22.06
	07/16/12	19.75	42.91	sheen	23.16
	01/14/13	16.58	42.91	sheen	26.33
	07/15/13	21.73	42.91	0.05	21.22
	01/30/14	23.45	42.91	0.20	19.60
	09/30/14	23.39	42.91	sheen	19.52
	02/24/15	25.80	42.91	sheen	17.11
	06/30/15	Connected to system - not gauged			

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-2 (deep)	07/22/00	13.73	36.40	--	22.67
	01/29/01	12.25	36.40	--	24.15
	07/28/01[1]	16.73	36.40	--	19.67
	02/03/02	11.40	36.40	--	25.00
	07/23/02	13.42	36.40	--	22.98
	01/20/03	10.49	36.40	--	25.91
	07/30/03	13.47	36.40	--	22.93
	01/27/04	11.72	36.40	--	24.68
	07/22/04	13.86	39.42	--	25.56
	01/20/05	10.24	39.42	--	29.18
	07/20/05	12.34	39.42	--	27.08
	01/26/06	10.60	39.42	--	28.82
	07/27/06	13.02	39.42	--	26.40
	01/24/07	15.76	39.42	--	23.66
	07/18/07	13.91	39.42	--	25.51
	02/15/08	10.94	39.42	--	28.48
	07/25/08	14.29	39.42	--	25.13
	01/23/09[1]	20.17	39.42	--	19.25
	07/20/09	15.16	39.42	--	24.26
	01/25/10[1]	15.66	39.42	--	23.76
	07/29/10	12.58	39.42	--	26.84
	01/31/11	20.15	39.42	--	19.27
	07/12/11	11.12	39.42	--	28.30
	01/17/12	13.47	42.32	--	28.85
	07/16/12	12.18	42.32	--	30.14
	01/14/13	13.82	42.32	sheen	28.50
	07/15/13	12.48	42.32	--	29.84
	01/30/14	17.11	42.32	--	25.21
	09/30/14	19.41	42.32	--	22.91
	02/24/14	12.50	42.32	--	29.82
	06/30/15	13.87	42.32	--	28.45

TABLE 1
GROUNDWATER ELEVATION SUMMARY
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-3 (shallow)	07/22/00	9.41	36.94	--	27.53
	01/29/01	7.23	36.94	--	29.71
	07/28/01	8.63	36.94	--	28.31
	02/03/02	7.99	36.94	--	28.95
	07/23/02	10.17	36.94	--	26.77
	01/20/03	6.76	36.94	--	30.18
	07/30/03	10.13	36.94	--	26.81
	01/27/04	7.65	36.94	--	29.29
	07/22/04	11.29	39.95	--	28.66
	01/20/05	6.24	39.95	--	33.71
	07/20/05	9.03	39.95	--	30.92
	01/26/06	6.49	39.95	--	33.46
	07/27/06	8.80	39.95	--	31.15
	01/24/07	8.75	39.95	--	31.20
	07/18/07	11.29	39.95	--	28.66
	02/15/08	6.79	39.95	--	33.16
	07/25/08	12.40	39.95	--	27.55
	01/23/09[1]	9.72	39.95	--	30.23
	07/20/09	10.81	39.95	--	29.14
	01/25/10[1]	7.67	39.95	--	32.28
	07/29/10	10.42	39.95	--	29.53
	01/31/11	9.57	39.95	--	30.38
	07/12/11	9.87	39.95	--	30.08
	01/17/12	11.05	42.85	--	31.80
	07/16/12	10.45	42.85	--	32.40
	01/14/13	8.82	42.85	--	34.03
	07/15/13	10.31	42.85	--	32.54
	01/30/14	16.70	42.85	--	26.15
	09/30/14	13.82	42.85	--	29.03
	02/24/15	7.77	42.85	--	35.08
	06/30/15	13.32	42.85	--	29.53

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-4	07/22/00	20.67	36.47	--	15.80
(deep)	01/29/01	18.06	36.47	--	18.41
	07/28/01	20.80	36.47	--	15.67
	02/03/02	15.53	36.47	--	20.94
	07/23/02	20.26	36.47	--	16.21
	01/20/03	15.26	36.47	--	21.21
	07/30/03	20.23	36.47	--	16.24
	01/27/04	17.15	36.47	--	19.32
	07/22/04	21.28	36.49	--	15.21
	01/20/05	14.20	36.49	--	22.29
	07/20/05	17.64	36.49	--	18.85
	01/26/06	14.42	36.49	--	22.07
	07/27/06	18.51	36.49	--	17.98
	01/24/07	18.43	36.49	--	18.06
	07/18/07	20.59	36.49	--	15.90
	02/15/08	15.11	36.49	--	21.38
	07/25/08	21.12	36.49	--	15.37
	01/23/09[1]	19.99	36.49	--	16.50
	07/20/09	20.58	36.49	--	15.91
	01/25/10[1]	15.07	36.49	--	21.42
	07/29/10	21.25	36.49	--	15.24
	01/31/11	18.24	36.49	--	18.25
	07/12/11	19.38	36.49	--	17.11
	01/17/12	22.34	42.39	--	20.05
	07/16/12	21.53	42.39	--	20.86
	01/14/13	15.37	42.39	--	27.02
	07/15/13	22.79	42.39	--	19.60
	01/30/14	23.47	42.39	--	18.92
	09/30/14	23.25	42.39	--	19.14
	02/24/15	22.50	42.39	--	19.89
	06/30/15	22.77	42.39	--	19.62

TABLE 1
GROUNDWATER ELEVATION SUMMARY
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-5 (deep)	07/22/00	21.42	36.77	--	15.35
	01/29/01	20.79	36.77	--	15.98
	07/28/01	21.07	36.77	--	15.70
	02/03/02	17.67	36.77	--	19.10
	07/23/02	20.16	36.77	--	16.61
	01/20/03	17.21	36.77	--	19.56
	07/30/03	20.32	36.77	--	16.45
	01/27/04	18.34	36.77	--	18.43
	07/22/04	20.90	39.79	--	18.89
	01/20/05	15.89	39.79	--	23.90
	07/20/05	17.97	39.79	--	21.82
	01/26/06	15.49	39.79	--	24.30
	07/27/06	18.50	39.79	--	21.29
	01/24/07	18.76	39.79	--	21.03
	07/18/07	20.12	39.79	--	19.67
	02/15/08[1]	16.35	39.79	--	23.44
	07/25/08	20.57	39.79	--	19.22
	01/23/09[1]	19.42	39.79	--	20.37
	07/20/09	20.35	39.79	--	19.44
	01/25/10[1]	16.33	39.79	--	23.46
	07/29/10	19.47	39.79	--	20.32
	01/31/11	17.70	39.79	--	22.09
	07/12/11	17.91	39.79	--	21.88
	01/17/11	21.25	42.69	sheen	21.44
	07/16/12	19.74	42.69	sheen	22.95
	01/14/13	16.74	42.69	--	25.95
	07/15/13	21.24	42.69	--	21.45
	01/30/14	22.92	42.69	--	19.77
	09/30/14	23.01	42.69	--	19.68
	02/24/15	23.51	42.69	--	19.18
	06/30/15	25.67	42.69	--	17.02

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-6	07/22/00	11.50	36.42	--	24.92
(shallow)	01/29/01	9.34	36.42	--	27.08
	07/28/01	NA	36.42	--	NA
	02/03/02	9.32	36.42	--	27.10
	07/23/02	11.33	36.42	--	25.09
	01/20/03	8.49	36.42	--	27.93
	07/30/03	11.35	36.42	--	25.07
	01/27/04	9.20	36.42	--	27.22
	07/22/04	11.13	39.44	--	28.31
	01/20/05	7.65	39.44	--	31.79
	07/20/05	10.02	39.44	--	29.42
	01/26/06	8.13	39.44	--	31.31
	07/27/06	10.59	39.44	--	28.85
	01/24/07	10.09	39.44	--	29.35
	07/18/07	11.06	39.44	--	28.38
	02/15/08	8.17	39.44	--	31.27
	07/25/08	11.30	39.44	--	28.14
	01/23/09[1]	9.82	39.44	--	29.62
	07/20/09	11.02	39.44	--	28.42
	01/25/10[1]	6.58	39.44	--	32.86
	07/29/10	10.72	39.44	--	28.72
	01/31/11	8.58	39.44	--	30.86
	07/12/11	9.32	39.44	--	30.12
	01/17/12	11.14	42.34	--	31.20
	07/16/12	10.11	42.34	--	32.23
	01/14/13	8.41	42.34	sheen	33.93
	07/15/13	9.92	42.34	--	32.42
	01/30/14	14.69	42.34	--	27.65
	09/30/14	11.37	42.34	--	30.97
	02/24/15	9.49	42.34	--	32.85
	06/30/15	11.51	42.34	--	30.83

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-7 (deep)	07/22/00	19.85	36.83	--	16.98
	01/29/01	17.59	36.83	--	19.24
	07/28/01	20.05	36.83	--	16.78
	02/03/02	15.89	36.83	--	20.94
	07/23/02	19.57	36.83	--	17.26
	01/20/03	15.36	36.83	--	21.47
	07/30/03	19.21	36.83	--	17.62
	01/27/04	16.84	36.83	--	19.99
	07/22/04	20.17	39.84	--	19.67
	01/20/05	14.44	39.84	--	25.40
	07/20/05	17.26	39.84	--	22.58
	01/26/06	14.55	39.84	--	25.29
	07/27/06	18.13	39.84	--	21.71
	01/24/07	18.03	39.84	--	21.81
	07/18/07	19.76	39.84	--	20.08
	02/15/08	15.44	39.84	--	24.40
	01/23/09[1]	20.50	39.84	--	19.34
	01/23/09	19.08	39.84	--	20.76
	07/20/09	20.20	39.84	--	19.64
	01/25/10[1]	15.30	39.84	--	24.54
	07/29/10	19.60	39.84	--	20.24
	01/31/11	17.63	39.84	--	22.21
	07/12/11	17.77	39.84	--	22.07
	01/17/12	21.63	42.72	sheen	21.09
	07/16/12	19.81	42.72	sheen	22.91
	01/14/13	16.65	42.72	sheen	26.07
	07/15/13	21.67	42.72	--	21.05
	01/30/14	27.19	42.72	--	15.53
	09/30/14	23.41	42.72	--	19.31
	02/24/15	25.55	42.72	--	17.17
	06/30/15	26.67	42.72	--	16.05

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-8 (shallow)	07/22/00	5.47	36.55	--	31.08
	01/29/01	3.01	36.55	--	33.54
	07/23/02	5.11	36.55	--	31.44
	01/20/03	3.57	36.55	--	32.98
	07/30/03	5.23	36.55	--	31.32
	01/27/04	4.26	36.55	--	32.29
	07/22/04	5.42	36.55	--	31.13
	01/20/05	3.39	36.55	--	33.16
	07/20/10	5.14	39.49	--	34.35
	01/26/06	3.70	39.49	--	35.79
	07/27/06	5.63	39.49	--	33.86
	01/24/07	4.87	39.49	--	34.62
	07/18/07	5.41	39.49	--	34.08
	02/15/08	3.77	39.49	--	35.72
	07/25/08	5.67	39.49	--	33.82
	01/23/09[1]	3.55	39.49	--	35.94
	07/20/09	5.71	39.49	--	33.78
	01/25/10[1]	1.15	39.49	--	38.34
	07/29/10	5.40	39.49	--	34.09
	01/31/11	3.16	39.49	--	36.33
	07/12/11	4.63	39.49	--	34.86
	01/17/12	5.26	42.42	--	37.16
	07/16/12	5.31	42.42	--	37.11
	01/14/13	4.15	42.42	--	38.27
	07/15/13	5.34	42.42	--	37.08
	01/30/14	5.20	42.42	--	37.22
	09/30/14	5.20	42.42	--	37.22
	02/24/15	3.87	42.42	--	38.55
	06/30/15	4.86	42.42	--	37.56

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-9 (shallow)	07/22/00	15.78	36.70	--	20.92
	01/29/01	14.65	36.70	--	22.05
	07/28/01	15.33	36.70	--	21.37
	02/03/02	12.59	36.70	--	24.11
	07/23/02	15.27	36.70	--	21.43
	01/20/03	12.27	36.70	--	24.43
	07/30/03	14.85	36.70	--	21.85
	01/27/04	11.72	36.70	--	24.98
	07/22/04	15.17	39.71	--	24.54
	01/20/05	10.16	39.71	--	29.55
	07/20/05	12.12	39.71	--	27.59
	01/26/06	10.12	39.71	--	29.59
	07/27/06	12.52	39.71	--	27.19
	01/24/07	12.63	39.71	--	27.08
	07/18/07	13.77	39.71	--	25.94
	02/15/08	10.78	39.71	--	28.93
	07/25/08	13.93	39.71	--	25.78
	01/23/09[1]	13.08	39.71	--	26.63
	07/20/09	13.63	39.71	--	26.08
	01/25/10[1]	11.35	39.71	--	28.36
	07/29/10	12.49	39.71	--	27.22
	01/31/11	11.98	39.71	--	27.73
	07/12/11	11.98	39.71	--	27.73
	01/17/12	12.57	42.61	--	30.04
	07/16/12	12.48	42.61	--	30.13
	01/14/13	12.35	42.61	--	30.26
	07/15/13	13.35	42.61	--	29.26
	01/30/14	17.20	42.61	--	25.41
	09/30/14	18.61	42.61	--	24.00
	02/24/15	18.70	42.61	--	23.91
	06/30/15	19.20	42.61	--	23.41

Legend/Key:

ft bgs = feet below ground surface
ft MSL = feet above mean sea level
[1] = Well possibly not calibrated
[2] = Well not stabilized; water level rising

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-1	07/22/00	37,000	320,000[1,2]	2,200	2,600	1,300	5,200	--
(deep)	01/29/01	36,000	76,000[1,2]	2,100	2,300	1,200	4,500	--
	07/28/01	99,000	86 000[1,2]	1,500	2,300	1,700	6,600	--
	02/03/02	42,000	42,000[1,2]	1,200	1,300	1,100	3,900	--
	07/23/02	53,000	170,000[1,2]	1,700	2,800	1,500	5,100	--
	01/20/03	33,000	65,000[1,2]	2,100	2,500	1,300	4,400	--
	07/30/03	24,000	55,000[1]	1,300	1,500	760	2,700	--
	01/27/04	21,000	220,000[1]	1,600	1,500	1,100	3,200	--
	07/22/04	31,000	780,000[1,2]	1,500	1,700	1,200	4,100	--
	01/20/05	25000	72,000[1,2]	1,300	1400	1,000	2,800	--
	07/20/05	22,000	500,000[1,2]	1,100	1,600	830	2,600	--
	01/26/06	28000	64,000[1,2]	1,600	1,500	1,200	3,500	--
	07/27/06	25,000	NA	810	1,000	1,100	3,200	--
	01/25/07	32,000	170,000[1]	990	960	1,100	3,500	--
	07/19/07	32,000	1,100,000[1]	600	740	950	2,500	--
	02/15/08	28,000	3,500,000[1,2]	930	780	940	2,500	--
	07/25/08	28,000	NA	540	580	750	2,000	--
	01/23/09	52,000	1,000,000[1,2]	420	350	1,400	3,600	--
	07/21/09	19,000	46,000[1]	530	500	890	2,300	--
	01/25/10	23,000	140,000[1,2]	780	540	850	2,200	--
	07/29/10			Not Sampled - Free Product present				
	01/31/11			Not Sampled - Free Product present				
	07/12/11			Not Sampled - Free Product present				
	01/17/12			Not Sampled - Free Product present				
	07/16/12	16,000	73,000 / 41,000[3]	270	240	590	832	--
	01/14/13	95,000	80,000 / 61,000[3]	310	310	700	1,520	--
	07/15/13	48,000	<5,000	280	280	1,000	1,310	--
	01/30/14	62,000	320,000 / 190,00[3]	280	220	1,200	817	--
	09/30/14	24,000	14,000/ 9,300[3]	320	280	780	1,188	--
	02/24/15	17,000	260,000/ 130,000[3]	400	210	560	634	--
	06/30/15	5,900	130,000[5]/100,000[3]	40	9.1	9.1	216	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-2	07/22/00	180	<5,000[1,2]	10	ND	4.5	6.0	--
(deep)	01/29/01	130	<5,000[1,2]	16	ND	1.9	3.8	--
	07/28/01	<50	<5,000[1,2]	2.7	ND	0.64	0.69	--
	02/03/02	140	<5,000[1,2]	5.5	ND	9.0	12	--
	07/23/02	780	<5,000[1,2]	52	2.0	44	6.2	--
	01/20/03	1,900	<5,000[1,2]	120	10	120	94	--
	07/30/03	710	<5,000[1,2]	43	1.8	24	5.9	--
	01/27/04	180	<5,000[1,2]	10	<0.5	3.2	10	--
	07/22/04	<50	<5,000[1,2]	0.90	<0.5	<0.5	<0.5	--
	01/20/05	96	<5,000[1,2]	1.3	<0.5	1.5	1.0	--
	07/20/05	430	<5,000[1,2]	17	1.5	2.3	1.2	--
	01/26/06	120	<5,000[1,2]	5.3	<0.5	0.64	3.3	--
	07/27/06	89	<5,000[1,2]	3.1	<0.5	1.9	3.1	--
	01/25/07	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/19/07	100	<5,000[1,2]	1.1	<0.5	<0.5	<0.5	--
	02/15/08	460	<5,000[1,2]	25	0.75	3.7	3.2	--
	07/25/08	<50	<5,000[1,2]	0.66	<0.5	<0.5	<0.5	<0.5
	01/23/09	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/21/09	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	01/25/10	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/29/10	170	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/31/11	<50	<5,000	<0.50	<0.50	<0.50	0.60	--
	07/12/11	410	<5,000	1.3	<0.50	0.55	<0.50	--
	01/17/12	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/16/12	60	<5,000	1.6	<0.50	<0.50	<0.50	--
	01/14/13	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/15/13	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/31/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	09/30/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	02/24/15	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	06/30/15	<50	<5,000[5]	<0.50	<0.50	<0.50	<0.50	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-3	07/22/00	230	<5,000[1,2]	0.89	2.4	ND	ND	--
(shallow)	01/29/01	450	<5,000[1]	1.1	1.6	11	3.6	--
	07/28/01	<50	<5,000[1]	<0.5	ND	ND	ND	--
	02/03/02	98	<5,000[1]	<0.5	ND	ND	ND	--
	07/23/02	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	01/20/03	700	<5,000[1]	1.6	0.56	41	21	--
	07/30/03	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	01/27/04	85	<5,000[1]	<0.5	<0.5	<0.5	0.87	--
	07/22/04	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	01/20/05	440	<5,000[1]	0.81	0.67	7.1	2.6	--
	07/20/05	130	<5,000[1]	<0.5	1.2	<0.5	<0.5	--
	01/26/06	790	<5,000[1]	1.0	1.0	12	3.4	--
	07/27/06	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	01/25/07	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	07/19/07	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	02/15/08	74	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	07/25/08	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	07/21/09	<50	<5,000[1]	<0.5	<0.5	<0.5	<0.5	--
	01/25/10	150	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/29/10	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/31/11	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/12/11	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/17/12	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/16/12	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/14/13	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/15/13	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/31/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	09/30/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	02/24/15	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	06/30/15	<50	<5,000[5]	<0.50	<0.50	<0.50	<0.50	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-4	07/22/00	2,700	7,000[1,2]	940	14	31	12	--
(deep)	01/29/01	2500	<5,000[1,2]	980	11	35	5	--
	07/28/01	1,100	90,000[1,2]	250	6.3	19	4.8	--
	02/03/02	2,100	7,400[1,2]	890	23	41	20	--
	07/23/02	1,200	<5,000[1,2]	490	11	22	8.8	--
	01/20/03	1,900	<5,000[1,2]	740	11	32	12	--
	07/30/03	1,700	<5,000[1,2]	440	8.9	18	6.1	--
	01/27/04	1,100	31,000[1,2]	350	10	17	5.0	--
	07/22/04	910	54,000[1,2]	210	7.9	19	6.5	--
	01/20/05	1,900	<5,000[1,2]	550	36	63	43	--
	07/20/05	1,300	<5,000[1,2]	310	11	36	12	--
	01/26/06	1,900	26,000[1,2]	500	16	40	12	--
	07/27/06	980	85,000[1,2]	340	13	18	8.8	--
	01/24/07	910	7,100[1,2]	230	5	15	4	--
	07/18/07	960	<5,000[1,2]	150	3.9	9.9	3.4	--
	02/15/08	1,500	12,000[1,2]	310	12	18	11	--
	07/25/08	1,000	7,800[1,2]	54	3.1	5.5	2.0	4.7
	01/23/09	1,000	<5,000[1,2]	200	5	9.3	2.3	--
	07/20/09	940	12,000[1,2]	230	8.8	6.5	8.0	--
	01/25/10	1,000	29,000[1,2]	240	6.9	20	8.9	--
	07/29/10	1,000	<5,000	190	7.8	15	4.0	--
	01/31/11	1,300	20,000 / <5,000[3]	280	14	17	4.6	--
	07/12/11	1,300	<5,000	88	5.8	18	0.84	--
	01/17/12	950	<5,000	40	2.1	6.6	0.99	--
	07/16/12	1,100	42,000 / 26,000[3]	130	9.8	12	4.1	--
	01/14/13	1,600	18000 / 16,000[3]	350	38	47	51.6	--
	07/15/13	890	<5,000	62	4.5	10	2.74	--
	01/31/14	740	<5,000	54	<2.0[1]	<2.0[1]	<2.0[1]	--
	09/30/14	1,500	<5,000	37	3.0	6.9	1.2	--
	02/24/15	350	15,000/ 11,000[3]	7.2	<1.0[4]	1.3	<1.0[4]	--
	06/30/15	360	<5,000[5]	4.9	0.56	1.2	<0.50	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-5	07/22/00	14,000	12,000[1,2]	290	140	770	630	--
(deep)	01/29/01	8,200	11,000[1,2]	180	42	420	250	--
	07/28/01	9,100	<5,000[1,2]	190	67	540	430	--
	02/03/02	11,000	<5,000[1]	250	160	730	540	--
	07/23/02	6,400	<5,000[1]	160	67	540	390	--
	01/20/03	7,300	<5,000[1,2]	190	80	480	310	--
	07/30/03	8,700	<5,000[1,2]	170	35	470	300	--
	01/27/04	7,600	<5,000[1]	220	50	460	290	--
	07/22/04	10,000	<5,000[1]	200	38	510	400	--
	01/20/05	8,500	<5,000[1,2]	130	63	430	280	--
	07/20/05	7,900	<5,000[1,2]	110	47	350	250	--
	01/26/06	8,000	<5,000[1]	170	53	410	270	--
	07/27/06	5,300	<5,000[1]	110	35	380	250	--
	01/25/07	1,300	<5,000[1,2]	17	6.1	34	46	--
	07/19/07	10,000	<5,000[1,2]	99	15	250	200	--
	02/15/08	9,900	<5,000[1,2]	120	26	290	200	--
	07/25/08	5,600	<5,000[1,2]	120	20	210	190	16
	01/23/09	6,600	<5,000[1,2]	68	18	220	110	--
	07/21/09	5,600	<5,000[1]	81	21	210	160	--
	01/25/10	2,800	<5,000[1,2]	32	11	100	64	--
	07/29/10	2,900	<5,000	23	6.9	130	70.6	--
	01/31/11	4,400	<5,000	25	12	170	78.1	--
	07/12/11	5,700	<5,000	30	11	190	89	--
	01/17/12	4,000	<5,000	25	5.4	150	54.1	--
	07/16/12	3,700	<5,000	28	6.4	140	52.0	--
	01/14/13	2,100	<5,000	11	8.1	90	41.3	--
	07/15/13	3,900	<5,000	27	5.1	110	31.2	--
	01/31/14	1,600	<5,000	13	1.0	6.5	2.2	--
	09/30/14	3,000	<5,000	17	<1.0[4]	26	5.4	--
	02/24/15	80	<5,000	<0.50	<0.50	<0.50	<0.50	--
	06/30/15	110	<5,000[5]	<0.50	<0.50	<0.50	<0.50	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-6	07/22/00	2,200	<5,000[1,2]	290	9.6	80	43	--
(shallow)	01/29/01	2,500	<5,000[1,2]	220	11	150	230	--
	07/28/01	NA	<5,000[1,2]	--	--	--	--	--
	02/03/02	2,500	<5,000[1,2]	290	18	88	330	--
	07/23/02	1,100	<5,000[1,2]	160	6.5	54	35	--
	01/20/03	3,800	<5,000[1,2]	370	33	220	300	--
	07/30/03	2,000	<5,000[1,2]	250	4.8	50	24	--
	01/27/04	2,600	<5,000[1,2]	420	20	170	180	--
	07/22/04	1,200	<5,000[1,2]	110	3.2	36	17	--
	01/20/05	3,100	<5,000[1,2]	280	21	180	250	--
	07/20/05	730	<5,000[1,2]	66	4.4	25	26	--
	01/26/06	1,900	<5,000[1,2]	180	12	120	140	--
	07/27/06	670	<5,000[1,2]	120	5	17	15	--
	01/25/07	650	<5,000[1,2]	99	2.7	20	16	--
	07/19/07	4,200	<5,000[1,2]	360	18	47	55	--
	02/15/08	2,100	<5,000[1,2]	200	10	100	97	--
	07/25/08	370	<5,000[1,2]	27	3.1	2.2	2.7	<0.5
	01/23/09	330	<5,000[1,2]	69	3.6	11	8.1	--
	07/21/09	290	<5,000[1,2]	40	1.9	9.3	7.8	--
	01/25/10	740	<5,000[1,2]	80	4.9	54	62	--
	07/29/10	220	<5,000	25	0.68	7.3	4.9	--
	01/31/11	1,100	<5,000	85	5.3	75	69.4	--
	07/12/11	610	<5,000	47	2.5	34	27	--
	01/17/12	81	<5,000	13	0.62	4.6	5.8	--
	07/16/12	500	<5,000	26	0.97	14	10.48	--
	01/14/13	700	<5,000	65	3.9	64	53.0	--
	07/15/13	390	<5,000	22	1.3	18	17.1	--
	01/30/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	09/30/14	140	<5,000	11	0.65	6.1	6.0	--
	02/24/15	570	<5,000	32	2.7	37	33.8	--
	06/30/15	<50	<5,000[5]	1.4	<0.50	<0.50	<0.50	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-7	07/22/00	7,400	10,000[1,2]	620	180	240	180	--
(deep)	01/29/01	4,000	7,000[1,2]	410	21	22	21	--
	07/28/01	4,200	<5,000[1,2]	540	120	110	110	--
	02/03/02	6,300	<5,000[1,2]	560	110	190	140	--
	07/23/02	3,400	<5,000[1,2]	440	6.3	87	61	--
	01/20/03	4,500	<5,000[1,2]	380	32	30	36	--
	07/30/03	5,300	<5,000[1,2]	460	34	43	52	--
	01/27/04	3,000	<5,000[1,2]	350	15	13	18	--
	07/22/04	3,600	<5,000[1,2]	440	10	10	25	--
	01/20/05	3,200	19,000[1,2]	320	31	29	34	--
	07/20/05	8,400	<5,000[1,2]	550	230	300	410	--
	01/26/06	3,300	32,000[1,2]	450	31	45	37	--
	07/27/06	3,800	<5,000[1,2]	530	85	38	94	--
	01/25/07	2,500	<5,000[1,2]	320	6.9	3.3	10	--
	07/19/07	2,700	<5,000[1,2]	280	10	5.9	18	--
	02/15/08	2,900	27,000[1,2]	230	15	12	18	--
	07/25/08	3,700	<5,000[1,2]	400	25	26	87	10
	01/23/09	2,500	<5,000[1,2]	230	5.4	2.9	5.6	--
	07/21/09	3,400	<5,000[1,2]	230	75	33	140	--
	01/25/10	3,900	5,200[1,2]	260	15	5.2	24	--
	07/29/10	3,600	<5,000	190	38	13	67.6	--
	01/31/11	5,400	14,000 / <5,000[3]	210	29	13	28.7	--
	07/12/11	5,500	<5,000	150	45	7.9	51.9	--
	01/17/12	3,300	<5,000	150	8.5	2.1	12.3	--
	07/16/12	4,200	<5,000	160	41	31	31.4	--
	01/14/13	3,000	<5,000	180	25	8.2	27.6	--
	07/15/13	3,300	<5,000	150	12	2.5	33.6	--
	01/30/14	3,500	<5,000	180	3.6	<1.5[1]	4.9	--
	09/30/14	5,100	<5,000	200	50	130	216	--
	02/24/15	2,100	<5,000	47	<4.0[4]	<4.0[4]	<4.0[4]	--
	06/30/15	1,900	<5,000[5]	110	4.0	<1.0	<1.0	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-8	07/22/00	ND	<5,000[1,2]	ND	ND	ND	ND	--
(shallow)	01/29/01	ND	<5,000[1,2]	0.87	ND	ND	ND	--
	07/28/01	ND	<5,000[1,2]	ND	ND	ND	ND	--
	02/03/02	ND	<5,000[1,2]	ND	ND	ND	ND	--
	07/23/02	<50	<5,000[1,2]	0.87	<0.5	<0.5	<0.5	--
	01/20/03	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/30/03	<50	<5,000[1,2]	2.0	<0.5	<0.5	<0.5	--
	01/27/04	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/22/04	<50	<5,000[1,2]	1.2	<0.5	<0.5	<0.5	--
	01/20/05	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/20/05	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	01/26/06	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/27/06	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	01/25/07	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/19/07	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	02/15/08	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/25/08	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/21/09	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	01/25/10	<50	<5,000[1,2]	<0.5	<0.5	<0.5	<0.5	--
	07/29/10	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/31/11	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/12/11	61	<5,000	1.1	<0.50	<0.50	<0.50	--
	01/17/12	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/16/12	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/14/13	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	07/15/13	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	01/30/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	09/30/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	02/24/15	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	06/30/15	<50	<5,000[5]	<0.50	<0.50	<0.50	<0.50	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-9	07/22/00	4,900	71,000[1.2]	93	15	240	250	--
(shallow)	01/29/01	3,800	5,000	160	35	260	310	--
	07/28/01	5,700	<5,000[1,2]	43	27	210	420	--
	02/03/02	7,800	<5,000[1,2]	98	51	450	640	--
	07/23/02	2,300	<5,000[1,2]	29	14	120	96	--
	01/20/03	5,000	<5,000[1]	76	25	350	340	--
	07/30/03	570	<5,000[1,2]	7.2	1.2	14	4.8	--
	01/27/04	820	<5,000[1,2]	14	2.6	35	35	--
	07/22/04	460	<5,000[1,2]	5.3	1.2	4.0	7.2	--
	01/20/05	330	<5,000[1,2]	6.2	1.5	8.9	12	--
	07/20/05	260	<5,000[1,2]	1.7	2.0	<0.5	1.2	--
	01/26/06	260	<5,000[1]	1.0	2.9	<0.5	0.64	--
	07/27/06	410	<5,000[1]	1.1	1.4	0.52	<0.5	--
	01/24/07	440	<5,000[1]	1.4	1.5	2.9	7.5	--
	07/18/07	300	<5,000[1]	1.4	2.4	0.51	<0.5	--
	02/15/08	490	<5,000[1]	2.8	5.2	7.1	22	--
	07/25/08	520	<5,000[1]	1.0	4.1	0.63	<0.5	<0.5
	01/23/09	250	<5,000[1]	<0.5	3.7	<0.5	1.5	--
	07/20/09	910	<5,000[1,2]	2.5	4.8	2.6	2.4	--
	01/25/10	550	<5,000[1,2]	2.2	6.5	11	33	--
	07/29/10	670	<5,000	<0.50	<0.50	<0.50	1.1	--
	01/31/11	560	<5,000	<0.50	<0.50	<0.50	0.80	--
	07/12/11	930	<5,000	<0.50	<0.50	2.6	5.1	--
	01/17/12	1,400	<5,000	<0.50	<0.50	2.8	4.8	--
	07/16/12	430	<5,000	<0.50	<0.50	0.58	0.72	--
	01/14/13	2,100	<5,000	<0.50	0.64	28	35.6	--
	07/15/13	1,800	<5,000	0.58	<0.50	3.1	3.5	--
	01/30/14	--	--	--	--	--	--	--
	09/30/14	--	--	--	--	--	--	--
	02/24/15	2,800	<5,000	5.8	<1.0[4]	14	16	--
	06/30/15	Unable to Sample - Well Dry						

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)

Legend/Key:

GRO = Gasoline range organics
ND= "not-detected" or below the Method Detection Limits
Oil and Grease = analyzed by EPA Method 1664A.
GRO = analyzed by EPA Method 8015B/8260B; all other analytes sampled by EPA Method 8260B
-- = Not analyzed
NA= Not available
NT= Not tested
µg/L = micrograms per liter
[1]=Gravimetric Method
[2]= HVOC detected
[3]= Reported as Hexane Extractable Material (HEM) / SGT HEM
[4]= Reporting limits were increased due to high concentrations of target analytes
[5]= Reported as HEM

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-1	07/25/08	NA	NA	NA	NA	NA	NA	NA	NA	NA
(deep)	01/23/09	<5.0	61	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
	07/21/09	<10.0	80	<10.0	<10.0	<10.0	<10,000	<1,000	<10.0	<10.0
	01/25/10	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
	07/29/10	Not Sampled - Free Product present								
	01/31/11	Not Sampled - Free Product present								
	07/12/11	Not Sampled - Free Product present								
	01/17/12	Not Sampled - Free Product present								
	07/16/12	<10	<200	<20	<20	<20	--	--	<20	<40
	01/14/13	<40[1]	<800[1]	<80[1]	<80[1]	<80[1]	--	--	<80[1]	<160[1]
	07/15/13	<20[1]	<400[1]	<40[1]	<40[1]	<40[1]	--	--	<40[1]	<80[1]
	01/30/14	<20[1]	<400[1]	<40[1]	<40[1]	<40[1]	--	--	<40[1]	<80[1]
	09/30/14	<5.0[1]	<100[1]	<10[1]	<10[1]	<10[1]	--	--	<10[1]	<20[1]
	02/24/15	<4.0[1]	<80[1]	<8.0[1]	--	<8.0[1]	--	--	<8.0[1]	<16[1]
	06/30/15	<1.5[1]	<30[1]	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[1]
MW-2	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	1.3	<0.5
(deep)	01/23/09	<0.5	2.4	<0.5	<0.5	<0.5	<500	<50	7.8	<0.5
	07/21/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	9.7	<0.5
	01/25/10	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	3.8	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	1.2	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	9.5	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/31/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	09/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	5.5	<2.0
	02/24/15	<0.50	<10	<1.0	--	<1.0	--	--	<1.0	<2.0
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
MW-3	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
(shallow)	01/23/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/21/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	01/25/10	<0.5	2.4	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	<1.0	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/31/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	09/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	02/24/15	<0.50	<10	<1.0	--	<1.0	--	--	<1.0	<2.0
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-4	07/25/08	12	34	<2.5	<2.5	<2.5	<2,500	<250	<2.5	<2.5
(deep)	01/23/09	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
	07/21/09	6.9	19	<2.5	<2.5	<2.5	<2,500	<250	<2.5	<2.5
	01/25/10	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
	07/29/10	3.9	21	<2.0	<2.0	<2.0	<5,000	<5,000	<2.0	<4.0
	01/31/11	3.9	<30	<3.0	<3.0	<3.0	--	--	<3.0	<6.0
	07/12/11	3.1	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	3.1	16	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	2.8	<30	<3.0	<3.0	<3.0	--	--	<3.0	<6.0
	01/14/13	3.1	<30[1]	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[1]
	07/15/13	3.6	16	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/31/14	4.6	<40[1]	<4.0[1]	<4.0[1]	<4.0[1]	--	--	<4.0[1]	<8.0[1]
	09/30/14	2.6	<20	<2.0	<2.0	<2.0	--	--	<2.0	<4.0
	02/24/15	1.2	<20[1]	<2.0[1]	--	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	06/30/15	2.4	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
MW-5	07/25/08	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
(deep)	01/23/09	<1.0	16	<1.0	<1.0	<1.0	<1,000	<100	2.6	<1.0
	07/21/09	<2.5	<10	<2.5	<2.5	<2.5	<2500	<250	<2.5	<2.5
	01/25/10	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<1.0	<20	<2.0	<2.0	<2.0	<5,000	<5,000	<2.0	<4.0
	01/31/11	<1.0	<20	<2.0	<2.0	<2.0	--	--	<2.0	<4.0
	07/12/11	<2.5	<50	<5.0	<5.0	<5.0	--	--	<5.0	<10
	01/17/12	<1.0	<20	<2.0	<2.0	<2.0	--	--	<2.0	<4.0
	07/16/12	<1.0	<20	<2.0	<2.0	<2.0	--	--	<2.0	<4.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<1.0[1]	26	<2.0[1]	<2.0[1]	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	01/31/14	<0.50	17	<1.0	<1.0	<1.0	--	--	6.2	<2.0
	09/30/14	<1.0[1]	<20[1]	<2.0[1]	<2.0[1]	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	02/24/15	<0.50	<10	<1.0	--	<1.0	--	--	2.5	<2.0
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	13	<2.0
MW-6	07/25/08	<0.5	9.1	<0.5	<0.5	<0.5	<500	<50	0.75	<0.5
(shallow)	01/23/09	<0.5	8.6	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/21/09	<0.5	8.2	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	01/25/10	<0.5	7.4	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	<1.0	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	1.4	<2.0
	09/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	02/24/15	<0.50	<10	<1.0	--	<1.0	--	--	<1.0	<2.0
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	1.9	<2.0

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-7	07/25/08	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
(deep)	01/23/09	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
	07/21/09	<2.5	<10	<2.5	<2.5	<2.5	<2500	<250	<2.5	<2.5
	01/25/10	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
	07/29/10	<5.0	<100	<10	<10	<10	<5,000	<5,000	<10	<20
	01/31/11	<1.5	<30	<3.0	<3.0	<3.0	--	--	<3.0	<6.0
	07/12/11	<2.0	<40	<4.0	<4.0	<4.0	--	--	<4.0	<8.0
	01/17/12	<1.0[1]	<20[1]	<2.0[1]	<2.0[1]	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	07/16/12	<1.0[1]	22	<2.0[1]	2.0	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	01/14/13	<1.0[1]	<20[1]	<2.0[1]	<2.0[1]	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	07/15/13	<2.0[1]	40	<4.0[1]	<4.0[1]	<4.0[1]	--	--	<4.0[1]	<8.0[1]
	01/30/14	<1.5[1]	35	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[1]
	09/30/14	<1.0[1]	26	<2.0[1]	<2.0[1]	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	02/24/15	<4.0[1]	<80[1]	<8.0[1]	--	<8.0[1]	--	--	<8.0[1]	<16[1]
	06/30/15	<1.0[1]	<20[1]	<2.0[1]	<2.0[1]	<2.0[1]	--	--	<2.0[1]	<4.0[1]
MW-8	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
(shallow)	01/23/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/21/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	01/25/10	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	<1.0	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	09/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	02/24/15	<0.50	<10	<1.0	--	<1.0	--	--	<1.0	<2.0
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-9 (shallow)	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	0.75	<0.5
	01/23/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/21/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	01/25/10	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	<1.0	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/30/14	--	--	--	--	--	--	--	--	--
	09/30/14	--	--	--	--	--	--	--	--	--
	02/24/15	<1.0[1]	<20[1]	<2.0[1]	--	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	06/30/15	Unable to Sample - Well Dry								

Legend/Key:

MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
1,2-EDB = Ethylene Dibromide (1,2-Dibromoethane)
NS= Not Sampled
-- = Not Analyzed
µg/L = micrograms per liter
[1] = Reporting limits were increased due to high concentrations of target analytes.

TABLE 4
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-1	07/22/00[1]	<2.5	16.0	<2.5	15	<2.5	<2.5	<5.0	<2.5	8.2
(deep)	01/29/01[1]	<10.0	23.0	<10	23	<10.0	<10.0	<10.0	<10.0	<10.0
	07/28/01[1]	7.4	9.0	0.97	14	6.4	0.95	<0.5	<0.5	15
	02/03/02[1]	5.5	10.0	1.4	23	5.5	0.59	<0.5	<0.5	7.4
	07/23/02[1]	<10.0	2.5	<10.0	15	<10.0	<10.0	<10.0	<10.0	<10.0
	01/20/03	<10.0	11	<10.0	36	<10.0	<10.0	<10.0	<10.0	11
	07/30/03	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
	01/27/04	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	07/22/04	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	01/20/05[1]	81	<5.0	<5.0	27	<5.0	<5.0	<5.0	<5.0	32
	07/20/05[1]	<5.0	9.8	<5.0	14	<5.0	<5.0	<5.0	<5.0	15
	01/26/06	<25	<25	<25	<25	<25	<25	<25	<25	<25
	07/27/06[1]	26	<10	<10	12	<10	<10	<10	<10	20
	01/25/07	<10	<10	<10	<10	<10	<10	<10	<10	<10
	07/19/07	<500	<500	<500	<500	<500	<500	<500	<500	<500
	02/15/08	<5	<5	<5	14	<5	<5	<5	<5	16
	07/25/08[1]	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000
	01/23/09	<5	<5	<5	6.4	<5	<5	<5	<5	<5
	07/21/09	<10	<10	<10	<10	<10	<10	<10	<10	<10
	01/25/10	<5	<5	<5	11	<5	<5	<5	<5	<5
	07/29/10	Not Sampled - Free Product present								
	01/31/11	Not Sampled - Free Product present								
	07/12/11	Not Sampled - Free Product present								
	01/17/12	Not Sampled - Free Product present								
	07/16/12	<20	<20	<20	<20	<20	<20	<20	<20	<20
	01/14/13	<320[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]
	07/15/13	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]
	01/30/14	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]
	09/30/14	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]
	02/24/15	<8.0[2]	8.8	<8.0[2]	21	<8.0[2]	<8.0[2]	<8.0[2]	<8.0[2]	<8.0[2]
	06/30/15	<3.0[2]	<3.0[2]	<3.0[2]	4.7	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]
MW-2	07/22/00	<0.5	<0.5	17	10	<0.5	1.2	<0.5	12.0	<0.5
(deep)	01/29/01	<0.5	<0.5	12	9.1	<0.5	0.9	<0.5	12.0	<0.5
	07/28/01	<0.5	<0.5	9.7	7.8	<0.5	0.95	<0.5	12.0	<0.5
	02/03/02	<0.5	<0.5	7.1	6.7	<0.5	0.72	<0.5	9.0	<0.5
	07/23/02	<0.5	<0.5	1.7	2.1	<0.5	<0.5	<0.5	0.97	<0.5
	01/20/03	<0.5	<0.5	1.6	2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	07/30/03	<0.5	<0.5	1.7	1.4	<0.5	<0.5	<0.5	<0.5	<0.5
	01/27/04	<0.5	<0.5	14	8.9	<0.5	<0.5	<0.5	9.4	<0.5
	07/22/04	<0.5	<0.5	6.6	6.5	<0.5	<0.5	<0.5	8.0	<0.5
	01/20/05	<0.5	<0.5	8.7	7.8	<0.5	0.69	<0.5	12.0	<0.5
	07/20/05	<0.5	<0.5	2.0	2.1	<0.5	<0.5	<0.5	1.2	<0.5
	01/26/06	<0.5	<0.5	10	7.7	<0.5	0.69	<0.5	13.0	<0.5
	07/27/06	<0.5	<0.5	13	10	<0.5	0.88	<0.5	13.0	<0.5
	01/25/07	<0.5	<0.5	5.5	9.1	<0.5	0.64	<0.5	16.0	<0.5
	07/19/07	<0.5	<0.5	5.3	4.6	<0.5	<0.5	<0.5	7.5	<0.5
	02/15/08	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	2.1	<0.5
	07/25/08	<0.5	<0.5	1.3	1.5	<0.5	<0.5	<0.5	4.8	<0.5
	01/23/09	<0.5	<0.5	7.8	9.4	<0.5	0.88	<0.5	16	<0.5
	07/21/09	<0.5	<0.5	9.7	8.3	<0.5	0.89	<0.5	15	<0.5
	01/25/10	<0.5	<0.5	3.8	4.8	<0.5	<0.5	<0.5	9.0	<0.5
	07/29/10	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/11	<1.0	<1.0	9.5	6.5	<1.0	<1.0	<1.0	12	<1.0
	07/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<1.0	<1.0	<1.0	4.0	<1.0	<1.0	7.2	<1.0	<1.0
	02/24/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0

TABLE 4
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-3	07/22/00	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
(shallow)	01/29/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/28/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/03/02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/23/02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/30/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/27/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/22/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/26/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/27/06[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/19/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/15/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/25/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/21/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/10[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/29/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/24/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-4	07/22/00	<10	38	<10	620	<10	<10	<10	19	97
(deep)	01/29/01	<5.0	35	<5.0	380	15	<5.0	<5.0	19	97
	07/28/01	<7.5	29	<5.0	310	18	<5.0	<5.0	8.4	150
	02/03/02[1]	<7.0	22	<7.0	310	16	<7.0	<7.0	20	120
	07/23/02	<0.5	30	<0.5	240	17	<0.5	<0.5	<0.5	230
	01/20/03	<10.0	28	<10.0	200	16	<10.0	<10.0	69	84
	07/30/03	<10.0	32	<10.0	230	13	<10.0	<10.0	13	290
	01/27/04[1]	<5.0	41	<5.0	370	25	<5.0	<5.0	32	310
	07/22/04[1]	<5.0	23	<5.0	120	13	<5.0	<5.0	9.6	280
	01/20/05[1]	<5.0	28	<5.0	320	23	<5.0	<5.0	81	130
	07/20/05[1]	<5.0	32	<5.0	230	18	<5.0	<5.0	<5.0	170
	01/26/06[1]	<5.0	31	<5.0	320	22	<5.0	<5.0	39	330
	07/27/06[1]	<5.0	24	<5.0	180	24	<5.0	<5.0	19	390
	01/25/07	<5.0	25	<5.0	170	15	<5.0	<5.0	<10	380
	07/19/07[1]	<5.0	28	<5.0	180	27	<5.0	<5.0	21	460
	02/15/08[1]	<5.0	31	<5.0	200	25	<5.0	<5.0	22	130
	07/25/08[1]	5.5	18	<2.5	110	17	<2.5	<2.5	21	87
	01/23/09[1]	<5.0	27	<5.0	150	23	<5.0	<5.0	<5.0	190
	07/21/09[1]	<2.5	22	<2.5	84	14	<2.5	<2.5	15	150
	01/25/10[1]	<5.0	25	<5.0	210	28	<5.0	<5.0	<5.0	240
	07/29/10	<2.0	23	<2.0	51	17	<2.0	<2.0	<2.0	190
	01/31/11	<3.0	22	<3.0	93	18	<3.0	<3.0	<3.0	160
	07/12/11	<1.0	18	<1.0	52	17	<1.0	<1.0	<1.0	100
	01/17/12	<1.0	20	<1.0	54	16	<1.0	<1.0	2.5	130
	07/16/12	<3.0[2]	17	<3.0[2]	30	17	<3.0[2]	<3.0[2]	<3.0[2]	250
	01/14/13	<3.0[2]	26	<3.0[2]	280	23	<3.0[2]	<3.0[2]	6.2	130
	07/15/13	<1.0	<1.0	<1.0	99	23	<1.0	<1.0	1.8	110
	01/31/14	<4.0[2]	21	<4.0[2]	360	24	<4.0[2]	<4.0[2]	28	110
	09/30/14	<2.0	18	<2.0	72	15	<2.0	<2.0	<2.0	110
	02/24/15	<2.0[2]	9.1	<2.0[2]	110	9.4	<2.0[2]	<2.0[2]	8.7	18
	06/30/15	<1.0	6.0	<1.0	85	4.2	<1.0	<1.0	3.3	<1.0

TABLE 4
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-5	07/22/00	1.8	2.4	1.4	2.6	<1.0	<1.0	<1.0	<1.0	5.0
(deep)	01/29/01	<1.0	2.2	2.6	2.2	<1.0	<1.0	<1.0	<1.0	2.2
	07/28/01	1.4	1.3	1.7	1.4	<1.0	<1.0	<1.0	<1.0	2.6
	02/3/02[1]	1.8	2.0	2.1	3.9	0.95	<0.5	<0.5	<0.5	4.6
	07/23/02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/20/03	<1.0	1.4	1.4	1.6	<1.0	<1.0	<1.0	<1.0	1.3
	07/30/03	<1.0	1.2	1.1	1.0	<1.0	<1.0	<1.0	<1.0	2.0
	01/27/04[1]	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07/22/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	01/20/05	1.1	0.84	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07/20/05	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/26/06	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	07/27/06	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/25/07	<0.5	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/19/07	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/15/08	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
	07/25/08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	01/23/09	<1.0	<1.0	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/21/09	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/25/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
	07/29/10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	01/31/11	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	07/12/11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	01/17/12	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	07/16/12	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]
	01/31/14	<1.0	<1.0	6.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	3.9	<2.0[2]	<2.0[2]	<2.0[2]
	02/24/15	<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/30/15	<1.0	<1.0	13	2.9	<1.0	<1.0	<1.0	2.6	<1.0
MW-6	07/22/00	<0.5	<0.5	1.2	9.3	<0.5	<0.5	<0.5	<0.5	0.97
(shallow)	01/29/01	<0.5	<0.5	1.1	11	<0.5	<0.5	<0.5	<0.5	0.77
	07/28/01	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/03/02	<0.5	<0.5	1.5	13	<0.5	<0.5	<0.5	<0.5	<0.5
	07/23/02	<1.0	<1.0	<1.0	9.3	<1.0	<1.0	<1.0	<1.0	<1.0
	01/20/03	<1.0	<1.0	1.8	14	<1.0	<1.0	<1.0	<1.0	<1.0
	07/30/03	<1.0	<0.5	1.3	7.6	<0.5	<0.5	<0.5	<0.5	2.7
	01/27/04[1]	<2.5	<2.5	<2.5	8.4	<2.5	<2.5	<2.5	<2.5	3.2
	07/22/04	<0.5	<0.5	1.3	3.3	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/05	<0.5	<0.5	0.99	8.7	<0.5	<0.5	<0.5	<0.5	<0.5
	07/20/05	<0.5	<0.5	0.79	4.5	<0.5	<0.5	<0.5	<0.5	0.65
	01/26/06	<0.5	<0.5	0.81	6.2	<0.5	<0.5	<0.5	<0.5	1.90
	07/27/06	<0.5	<0.5	0.82	4.4	<0.5	<0.5	<0.5	<0.5	1.10
	01/25/07	<0.5	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	1.30
	07/19/07	<0.5	<0.5	0.73	2.2	<0.5	<0.5	<0.5	<0.5	1.30
	02/15/08	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	<0.5	<0.5	0.79
	07/25/08	<0.5	<0.5	0.75	0.81	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<0.5	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<0.5	<0.5
	07/21/09	<0.5	<0.5	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/10	<0.5	<0.5	<0.5	0.94	<0.5	<0.5	<0.5	<0.5	<0.5
	08/02/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/11	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/30/14	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/24/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/30/15	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 4
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-7	07/22/00[1]	<5	18	<5	170	<5	<5	<5	8	<5
(deep)	01/29/01[1]	<5	18	<5	170	<5	<5	<5	8	<5
	07/28/01[1]	<5	11	<5	170	<5	<5	<5	6.9	6.1
	02/03/02	<5.0	<5.0	<5.0	94	<5.0	<5.0	<5.0	30	<5.0
	07/23/02	<10.0	12.0	<10.0	180	<10.0	<10.0	<10.0	<10.0	<10.0
	01/20/03	<2.5	<2.5	<2.5	50	<2.5	<2.5	11	<2.5	<2.5
	07/30/03	<2.5	<2.5	<2.5	130	<2.5	<2.5	<2.5	<2.5	9.5
	01/27/04	<5.0	<5.0	<5.0	130	<5.0	<5.0	<5.0	20	24
	07/22/04	<5.0	<5.0	<5.0	120	<5.0	<5.0	<5.0	<5.0	<5.0
	01/20/05	<2.5	2.7	<2.5	110	<2.5	<2.5	<2.5	20	28
	07/20/05	<5.0	<5.0	<5.0	250	<5.0	<5.0	<5.0	<5.0	29
	01/26/06	<5.0	<5.0	<5.0	110	<5.0	<5.0	<5.0	19	37
	07/27/06	<5.0	<5.0	<5.0	350	<5.0	<5.0	<5.0	<5.0	55
	01/25/07	<0.5	<0.5	<0.5	29	<0.5	<0.5	<0.5	<0.5	5.9
	07/19/07[1]	<0.5	<0.5	<0.5	210	<0.5	<0.5	<0.5	<0.5	31
	02/15/08[1]	<0.5	5.5	<0.5	220	<0.5	<0.5	<0.5	28	20
	07/25/08	<5.0	<5.0	<5.0	99	<5.0	<5.0	<5.0	<5.0	<5.0
	01/23/09	<5.0	<5.0	<5.0	190	<5.0	<5.0	<5.0	<5.0	26
	07/21/09	<2.5	<2.5	<2.5	82	<2.5	<2.5	<2.5	<2.5	<2.5
	01/25/10	<5.0	<5.0	<5.0	98	<5.0	<5.0	<5.0	<5.0	19
	07/29/10	<10	<10	<10	810	<10	<10	<10	<10	70
	01/31/11	<3.0	<3.0	<3.0	100	<3.0	<3.0	<3.0	5.1	24
	07/12/11	<4.0	<4.0	<4.0	190	<4.0	<4.0	<4.0	<4.0	43
	01/17/12	<2.0[2]	<2.0[2]	<2.0[2]	65	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	30
	07/16/12	<2.0[2]	<2.0[2]	<2.0[2]	180	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	52
	01/14/13	<2.0[2]	5.8	<2.0[2]	280	2.8	<2.0[2]	<2.0[2]	3.5	80
	07/15/13	<4.0[2]	<4.0[2]	<4.0[2]	67	<4.0[2]	<4.0[2]	<4.0[2]	<4.0[2]	56
	01/30/14	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	64
	09/30/14	<2.0[2]	<2.0[2]	<2.0[2]	13	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	84
	02/24/15	<8.0[2]	<8.0[2]	<8.0[2]	530	11	<8.0[2]	<8.0[2]	<8.0[2]	210
	06/30/15	<2.0[2]	<2.0[2]	<2.0[2]	16	<2.0[2]	<2.0[2]	<2.0[2]	3.9	16
MW-8	07/22/00	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	2.4	1.6	<0.5
(shallow)	01/29/01	<0.5	<0.5	<0.5	10	<0.5	<0.5	<5.0	8.8	<0.5
	07/28/01	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	<1.5	2.1	<0.5
	02/03/02	<0.5	<0.5	<0.5	6.6	<0.5	<0.5	3.3	4.6	<0.5
	07/23/02	<0.5	<0.5	<0.5	8.4	<0.5	<0.5	3.5	5.2	<0.5
	01/20/03	<0.5	<0.5	<0.5	7.3	<0.5	<0.5	6	6.7	<0.5
	07/30/03	<0.5	<0.5	<0.5	25	<0.5	<0.5	15	20	<0.5
	01/27/04	<0.5	<0.5	<0.5	4	<0.5	<0.5	3.1	3.1	<0.5
	07/22/04	<0.5	<0.5	<0.5	20	<0.5	<0.5	8.3	13	<0.5
	01/20/05	<0.5	<0.5	<0.5	6.5	<0.5	<0.5	5.2	5.1	<0.5
	07/20/05	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	1.4	1.2	<0.5
	01/26/06	<0.5	<0.5	<0.5	7.3	<0.5	<0.5	6.6	6.2	<0.5
	07/27/06	<0.5	<0.5	<0.5	10	<0.5	<0.5	6.8	7.3	<0.5
	01/25/07	<0.5	<0.5	<0.5	11	<0.5	<0.5	6.3	6.9	<0.5
	07/19/07	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	0.94	0.73	<0.5
	02/15/08	<0.5	<0.5	<0.5	7.5	<0.5	<0.5	5.6	5.4	<0.5
	07/25/08	<0.5	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	0.50	<0.5
	01/23/09	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	2.7	3.3	<0.5
	07/21/09	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	1.8	2.3	<0.5
	01/25/10	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	1.2	1.2	<0.5
	07/29/10	<1.0	<1.0	<1.0	7.3	<1.0	<1.0	5.1	5.3	1.1
	01/31/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	31	<1.0	<1.0	12	15	2.4
	01/17/12	<1.0	<1.0	<1.0	21	<1.0	<1.0	12	13	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	2.7	3.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	1.7	1.3	<1.0
	01/30/14	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	2.4	2.4	<1.0
	09/30/14	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	3.3	3.2	2.1
	02/24/15	<1.0	<1.0	<1.0	7.9	<1.0	<1.0	4.1	3.8	1.2
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 4
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-9	07/22/00	<1	1.4	<1	1.6	<1	<1	<1	<1	<1
(shallow)	01/29/01	<0.5	1.2	0.71	<0.5	8.2	<0.5	<5.0	<0.5	0.53
	07/28/01	<0.5	0.87	<0.5	0.92	<0.5	<0.5	<5.0	2.5	<0.5
	02/03/02	<0.5	1.2	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5
	07/23/02	<2.5	3.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/20/03	<1	<1	<1	<1	<1	<1	<1	<1	<1
	07/30/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/27/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/22/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/05[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/20/05	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/26/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/27/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/19/07[1]	<0.5	0.68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/15/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/25/08	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<0.5	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/20/09	<0.5	0.68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/10	<0.5	0.68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/29/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0
	01/30/14	--	--	--	--	--	--	--	--	--
	09/30/14	--	--	--	--	--	--	--	--	--
	02/24/15	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]
	06/30/15	Unable to Sample - Well Dry								

Legend/Key:

CA= Chloroethane
1,2-DCB= 1,2-Dichlorobenzene
1,2-DCA= 1,2-dichloroethane
cis-1,2-DCE= cis-1,2-dichloroethene
trans-1,2-DCE= -1,2-dichloroethene
1,2-DCP =1,2-dichloropropane
PCE= Tetrachloroethene (perchloroethene)
TCE= trichloroethene
VC= vinyl chloride
ND= "not-detected" or below the Method Detection Limits
NA= Not Available
-- = Not analyzed
ft msl = feet above mean sea level
µg/L = micrograms per liter
[1] = Additional detections of VOCs noted, refer to GRIMIT/SEMINARY1-10GWSMPLREPORT, dated February 3, 2010.
[2] = Reporting limits were increased due to high concentrations of target analytes.
Note: The table presents the analytical results of select chemical parameters based on historical presence at the site.

TABLE 5
DPE REMEDIATION EVENT
OPERATIONAL UPTIME AND FLOW SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, 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	PID	
														Sys Inf	Eff
			"Hg	ft^2	°F	fpm	acfm	°F	°F	ft^2	°F	fpm	acfm	ppmv	ppmv
11/18/14 8:30	1	15,631.0	--	0.0873	--	--	--	--	--	--	--	--	--	--	--
11/20/14 8:00		15,631.9	15.0	0.0873	78	1,500	130.9	1,450	1,002	0.0218	65	2,504	55	30	3.6
11/20/14 10:00		15,632.1	10.5	0.0873	95	1,500	130.9	1,543	1,253	0.0218	72	2,222	48	410	2.9
11/20/14 11:00		15,632.1	10.0	0.0873	80	1,500	130.9	1,554	1,285	0.0218	60	2,260	49	35	2.3
11/20/14 12:00		15,632.1	10.0	0.0873	80	1,500	130.9	1,559	1,311	0.0218	67	2,186	48	40	2.1
11/21/14 7:00		15,632.1	10.0	0.0873	90	1,500	130.9	1,537	1,368	0.0218	65	2,140	47	20	2.0
11/25/14 10:10	2	15,632.0	10.0	0.0873	90	1,500	130.9	1,450	1,224	0.0218	--	--	--	58	2.1
12/18/14 7:30	3	0.0	13.5	0.0873	92	1,500	130.9	1,484	--	0.0218	64	2,503	55	8	1.2
12/19/14 7:00		20.0	13.0	0.0873	90	1,500	130.9	1,492	1,305	0.0218	61	2,910	63	100	1.2
12/29/14 7:15		260.0	7.5	0.0873	82	1,500	130.9	1,500	1,430	0.0218	--	--	--	10	1.3
1/5/15 8:50		430.0	8.0	0.0873	100	1,500	130.9	1,451	1,259	0.0218	57	3,020	66	10	2.1
1/19/15 8:00		765.0	10.0	0.0873	90	1,400	122.2	1,491	1,303	0.0218	63	3,122	68	5	1.1
2/2/15 8:00		1,101.0	11.0	0.0873	95	1,500	130.9	1,452	1,268	0.0218	60	3,233	71	1.4	0.8
2/16/15 7:15		1,436.0	11.0	0.0873	90	1,350	117.8	1,485	1,308	0.0218	58	3,314	72	2.0	0.8
3/10/15 8:30		1,965.0	11.0	0.0873	90	1,250	109.1	1,493	1,311	0.0218	63	2,971	65	15	2.1
3/23/15 7:50	4	2,276.0	12.0	0.0873	92	1,250	109.1	1,504	--	0.0218	64	3,418	75	47	1.0
4/2/15 5:45		2,514.0	12.0	0.0873	90	1,250	109.1	1,489	1,307	0.0218	57	3,463	76	100	0.9
4/22/15 6:56		2,995.0	12.0	0.0873	93	1,500	130.9	1,493	--	0.0218	56	3,370	74	25	0.5
5/5/15 8:30		3,309.0	12.0	0.0873	100	1,350	117.8	1,481	1,160	0.0218	63	2,867	63	12	1.8
5/20/15 8:15		3,669.0	12.0	0.0873	100	1,150	100.4	1,560	1,380	0.0218	67	3,011	66	33	0.9
6/2/15 6:10		3,979.0	12.0	0.0873	92	1,200	104.7	1,599	1,321	0.0218	68	3,064	67	40	0.9
6/22/15 8:00		4,460.0	12.0	0.0873	88	1,100	96.0	1,474	840	0.0218	65	3,457	75	30	0.9
Average			11		90	1,395	121.8	1,502	1,258		63	2,897	63	49	1.5

TABLE 5
DPE REMEDIATION EVENT
OPERATIONAL UPTIME AND FLOW SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, 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	PID	
														Sys Inf	Eff
			"Hg	ft^2	°F	fpm	acfm	°F	°F	ft^2	°F	fpm	acfm	ppmv	ppmv

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 operating with DPE, extracting from extraction wells EX-1, EX-2, EX-3, and EX-6. Stingers placed within extraction wells at 29-feet in well EX-1 and 27-feet bgs in wells EX-2, EX-3 and EX-6.
2 System down upon departure waiting groundwater sample results and approval from EBMUD to discharge to the sanitary sewer.
3 System down upon arrival, new hour meter installed, system started for continuous operation upon departure.
4 System modified, well MW-1 brought on-line. System extracting from wells EX-1 through EX-3, EX-6 and MW-1 simultaneously.

TABLE 6
DPE REMEDIATION EVENT
VACUUM ("WC) AND DEPTH TO WATER (feet bgs) SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date & Time	Notes	Induced Vacuum ("WC) &/or Depth to Water (feet bgs)					
		MW-2		MW-8		MW-4	
		"WC	DTW (feet bgs)	"WC	DTW (feet bgs)	"WC	DTW (feet bgs)
12/18/14 7:30	1	0.02*	17.87	0.00	0.98	--	--
12/19/14 7:00		--	--	--	--	--	--
12/29/14 7:15		--	--	--	--	--	--
1/5/15 8:50		16.62	12.76	22.80	3.35	0.04	19.29
1/19/15 8:00		--	--	--	--	20.84	1.88
2/2/15 8:00		--	--	--	--	6.60	21.51
2/16/15 7:15		--	--	--	--	15.40	20.34
3/10/15 8:30		0.40	12.94	32.60	21.55	5.28	4.50
3/23/15 7:50	2	6.75	15.39	47.14	21.69	1.41	4.68
4/2/15 5:45		--	--	--	--	47.2	21.63
4/22/15 6:56		--	--	--	--	34.1	21.43
5/5/15 8:30		3.70*	13.55	8.27	4.18	54.30	20.85
5/20/15 8:15		--	--	--	--	41.60	22.31
6/2/15 6:10		--	--	--	--	51.10	22.21
6/22/15 8:00		--	--	--	--	53.50	21.64
7/1/15 7:30		--	--	--	--	--	--
Average		23.79	14.74	25.64	11.89	8.26	12.03

Legend / Key:
DTW = Depth to water bgs = below ground surface
"WC = Inches of water column -- = not applicable/ not measured
* Positive pressure

Notes:
1 Stinger depth in EX-1 19 feet bgs, EX-2 18 feet bgs, EX-3 24 feet bgs, EX-6 20 feet bgs.
2 MW-1 brought on-line; stinger placed approx. 34 feet bgs.

TABLE 7
DPE REMEDIATION EVENT
SVE COMPONENT - ANALYTICAL RESULTS AND FLOWRATES
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Sample Time	Flowrate * (acfm)	Flowrate * (scfm)	Influent Temp. (°F)	Vacuum "Hg	Sample Location	Lab Sample Number	Analyses (mg/m^3) GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	PCE	TCE	n-Propyl benzene	1,2,4-Trimethyl benzene
11/20/14	1	11:30	130.9	128.0	80	10	ASYS INF	89712-01	**150**	<0.20	<0.20	**0.85**	**2.07**	<0.20	<0.20	<0.20	**0.46**	**1.9**
							A EFF	89712-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
12/19/14		10:04	130.9	125.7	90	13	ASYS INF	89947-01	**33**	**0.41**	**0.43**	**0.94**	**1.96**	<0.20	<0.20	<0.20	<0.20	<0.20
		10:35					A EFF	89947-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
01/05/15		9:07	130.9	123.4	100	8	ASYS INF	90046-01	<20	<0.20	<0.20	<0.25	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20
		9:05					A EFF	90046-02	<20	<0.20	<0.20	<0.25	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20
02/02/15		8:15	130.9	124.5	95	11	ASYS INF	90255-01	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
		8:10					A EFF	90255-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
03/10/15		9:08	109.1	104.7	90	11	ASYS INF	90501-01	**45**	<0.20	<0.20	<0.25	**0.27**	<0.20	<0.20	<0.20	<0.20	<0.20
		9:05					A EFF	90501-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
04/02/15	2	6:05	109.1	104.7	90	12	ASYS INF	15-04-0248-1-A	**730**	**0.26**	**0.34**	**0.56**	**1.3**	<0.036	<0.017	<0.013	**0.089**	**0.16**
		6:00					A EFF	15-04-0248-2-A	<7.0	**0.0017**	<0.019	<0.0022	<0.0022	<0.0072	<0.0034	<0.0027	<0.0025	<0.0074
05/05/15		8:58	117.8	111.1	100	12	ASYS INF	STR15050648-01A	**48**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
		8:55					A EFF	STR15050644-01A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
06/02/15		6:40	104.7	100.2	92	12	ASYS INF	STR15060303-01A	**160**	<0.20	**0.25**	**0.36**	**0.93**	<0.20	<0.40	<0.40	<0.40	<0.40
		6:43					A EFF	STR15060342-01A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40

TABLE 7
DPE REMEDIATION EVENT
SVE COMPONENT - ANALYTICAL RESULTS AND FLOWRATES
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Sample Time	Flowrate * (acfm)	Flowrate * (scfm)	Influent Temp. (°F)	Vacuum "Hg	Sample Location	Lab Sample Number	Analyses (mg/m^3) GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	PCE	TCE	n-Propyl benzene	1,2,4-Trimethyl benzene

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
PCE = tetrachloroethene
TCE = trichloroethene
SysInf = system influent
Eff = effluent
mg/m^3 = milligrams per cubic meter
* Flowrate used based on most representative field data at time of sampling.

Laboratory Analytical Methods and Facility:

GRO analyzed using EPA Method SW8015B/SW8260B
BTEX, MTBE and VOCs analyzed using EPA Method SW8260B
Pace Analytical(Formerly Kiff Analytical; ELAP # 08263CA)

Calculations:

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

Pressure corrected influent flow rat = Flow was taken on positive side of blower, no pressure correction factor needed.

Temperature Corrected influent flo = Pressure corrected flow rate * {(460 R + 68deg F)/(deg F+ 460 R)}

Notes:

1 DPE extracting from extraction wells EX-1, EX-2, EX-3, and EX-6.

2 Sampled per EPA Method TO-15M and TO-3M; Pace Analytical subbed out work to a third party laboratory (Eurofins/Calscience), therefore, different method and reporting limits were reported.

TABLE 8
DPE REMEDIATION EVENT
SVE COMPONENT - EXTRACTION AND EMISSION RATES
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Influent Sample Time	Hour Meter Reading	Sys. Influent Flowrate	Effluent Flowrate[2]	Sys. Influent Conc. (mg/m^3)			Effluent Conc. (mg/m^3)			Extraction Rate from Wells (lbs/day)[2]			Emissions Rate to Atmosphere (lbs/day)			Destruction Removal Efficiency (%)	Cumulative GRO Removal (lbs)	
				(scfm)	(scfm)	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Period	Total
11/20/14	1	11:30	15,632.1	128.0	208.0	150	<0.20	<0.20	<20	<0.20	<0.20	1.73	<0.002	<0.002	<0.37	<0.004	<0.004	78.3	0.1	0.1
12/18/14	2	10:40	0.0	125.7	205.7	33	0.41	<0.20	<20	<0.20	<0.20	0.37	0.005	<0.002	<0.37	<0.004	<0.004	--	--	0.1
1/5/15		9:07	430.0	123.4	203.4	<20	<0.20	<0.20	<20	<0.20	<0.20	<0.29	<0.003	<0.002	<0.37	<0.004	<0.004	--	5.3	5.3
2/2/15		8:15	1,101.0	124.5	204.5	<20	<0.20	<0.20	<20	<0.20	<0.20	<0.22	<0.002	<0.002	<0.37	<0.004	<0.004	--	6.3	11.6
3/10/15		9:08	1,965.0	104.7	184.7	45	<0.20	<0.20	<20	<0.20	<0.20	0.31	<0.002	<0.002	<0.33	<0.003	<0.003	--	11.0	22.6
4/2/15		6:20	2,514.0	104.7	184.7	730	0.26	<0.036	<7	0.0017	<0.0072	3.65	<0.002	<0.001	<0.12	<0.000	<0.000	--	83.4	106.1
5/5/15		8:58	3,309.0	111.1	191.1	48	<0.20	<0.20	<20	<0.20	<0.20	3.88	<0.002	<0.001	<0.34	<0.003	<0.003	--	128.7	234.7
6/2/15		6:40	3,979.0	100.2	180.2	160	<0.20	<0.20	<20	<0.20	<0.20	0.94	<0.002	<0.002	<0.32	<0.003	<0.003	--	26.1	260.9

Legend / Key:

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

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

[2] To calculate the extraction rate, the system influent concentrations are averaged between the sampling dates for those dates that extract from the same extraction wells.

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 ($1\ m^3/35.314 ft^3$)

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

Notes:

1 DPE extracting from extraction wells EX-1, EX-2, EX-3, and EX-6. GRO removed is calculated based on assuming 1.1 hours of operation occurred from start of test to first sample time.

2 New hour meter installed. System operated for 1-hour during initial start-up and sampling period. System re-started for continous operation, therefore, mass removed is negligable and will be calculated after next sampling event.

TABLE 9a
DPE REMEDIATION EVENT
GROUNDWATER EXTRACTION COMPONENT - GROUNDWATER ANALYTICAL DATA SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Napthalene	PCE	TCE	Vinyl chloride	1,2 DCA	Chloro benzene
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
11/25/14	1	10:35	WINF	STR14112541-01A	**75**	<1.0	<1.0	1.9	4.1	<1.0	3.6	<1.0	<1.0	<1.0	<1.0	<1.0
		10:30	WGAC1	STR14112541-02A	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		10:25	WEFF	STR14112541-03A	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
12/19/14		7:10	WINF	STR14122242-01A	**130**	**1.9**	**2.6**	**4.0**	**9.1**	<0.5	**11**	<1.0	<1.0	<1.0	<1.0	--
		7:20	WGAC1	STR14122243-01A	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	--
		7:15	WEFF	STR14122241-01A	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	--
01/05/15		9:25	WINF	STR15010645-01A	<50	<0.50	<0.50	<0.50	**0.83**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		9:22	WGAC1	STR15010648-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		9:18	WEFF	STR15010642-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
02/02/15		8:35	WINF	STR15020345-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		8:30	WGAC1	STR15020346-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		8:25	WEFF	STR15020343-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
03/10/15		9:22	WINF	STR15031145-01A	<50	<0.50	<0.50	<0.50	**0.66**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		9:18	WGAC1	STR15031146-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		9:13	WEFF	STR15031144-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
04/02/15		6:20	WINF	STR15040343-01A	**92**	**0.61**	**0.92**	**1.2**	**10.2**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:15	WGAC1	STR15040343-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:10	WEFF	STR15040341-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
05/05/15		9:20	WINF	STR15050652-01A	<50	<0.50	<0.50	<0.50	**1.1**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		9:15	WGAC1	STR15050652-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		9:10	WEFF	STR15050643-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
06/02/15		6:35	WINF	STR15060303-02A	<50	<0.50	<0.50	<0.50	**2.6**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:30	WGAC1	STR15060303-03A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:25	WEFF	STR15060342-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 9a
DPE REMEDIATION EVENT
GROUNDWATER EXTRACTION COMPONENT - GROUNDWATER ANALYTICAL DATA SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Napthalene	PCE	TCE	Vinyl chloride	1,2 DCA	Chloro benzene
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

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

PCE = tetrachloroethene

TCE = trichloroethene

1,2 DCA = 1,2 - Dichloroethane

Analytical Methods /Laboratory:

GRO analyzed using EPA Method SW8015B/SW8260B

BTEX and MTBE analyzed using EPA Method SW8260B

Volatile Organics analyzed using EPA Method 624/SW8260

Lead analyzed using EPA Method 200.8

Alpha Analytical, Inc. (ELAP # 2019)

[1] Sample was re-analyzed to achieve a lower reporting limit.

[2] DRO concentrations may include contributions from heavier-end hydrocarbons that elute in the DRO range.

[3] Reporting limits were increased due to high concentrations of target analytes.

Notes:

1 DPE test, extracting from extraction wells EX-1, EX-2, EX-3, and EX-6.

TABLE 9b
DPE REMEDIATION EVENT
GROUNDWATER EXTRACTION COMPONENT - GROUNDWATER ANALYTICAL DATA SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	Mercury µg/L	Cr µg/L	Fe µg/L	As µg/L	Ni µg/L	Cu µg/L	Zn µg/L	Ag µg/L	Cd µg/L	Pb µg/L
11/25/14	1	10:35	WINF	STR14112541-01A	<0.20	<10	**580**	**5.5**	<10	**26**	<100	<5.0	<2.0	<5.0
		10:30	WGAC1	STR14112541-02A	--	--	--	--	--	--	--	--	--	--
		10:25	WEFF	STR14112541-03A	<0.20	<10	<300	**25**	<10	<20	<100	<5.0	<2.0	<5.0

Legend / Key:

Cr = Chromium
Ni = Nickel
Cu = Copper
µg/L = micrograms per liter
-- = Not analyzed
Fe = Iron
As = Arsenic
Zn = Zinc
Ag = Silver
Cd = Cadmium
Pb = Lead

Analytical Methods /Laboratory:

Mercury analyzed using EPA Method 245.1
Methanol/Ethanol using EPA Method SW8260B-DI
Metals using EPA Method 200.8
Alpha Analytical, Inc. (ELAP # 2019)

Notes:

1 DPE test, extracting from extraction wells EX-1, EX-2, EX-3, and EX-6.

TABLE 10
DPE REMEDIATION EVENT
GROUNDWATER EXTRACTION COMPONENT - OPERATIONAL PERFORMANCE AND MASS REMOVAL SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, California

Date	Notes	Sample Time	Hour Meter Reading[1]	Sewer Discharge Data				Analytical Results Influent	Mass Removed This Period[b]	Cumulative Mass Removed
				Totalizer Reading (gallons)	Period (gallons)	Cumulative Flow (gallons)	Average Extraction Rate (gpm)[a]	GRO (µg/L)	GRO (lbs)	GRO (lbs)
11/18/14	1	8:30	15,631.0	214,690	--					
11/25/14	1	10:35	15,632.0	215,430	740	740	12.33	75	0.0005	0.0005
12/19/14	2	7:10	20.0	216,030	600	1,340	0.50	130	0.0007	0.0011
1/5/15		9:25	430.0	219,180	3,150	4,490	0.13	<50	0.0013	0.0024
2/2/15		8:35	1,101.0	221,340	2,160	6,650	0.05	<50	0.0009	0.0033
3/10/15		9:22	1,965.0	226,420	5,080	11,730	0.10	<50	0.0021	0.0054
4/2/15		6:20	2,514.0	228,870	2,450	14,180	0.07	92	0.0019	0.0073
5/5/15		9:20	3,309.0	232,510	3,640	17,820	0.08	<50	0.0015	0.0088
6/2/15		6:35	3,979.0	235,120	2,610	20,430	0.06	<50	0.0011	0.0099

Legend / Key:

GRO = Gasoline Range Organics C4-C13 | µg/L = micrograms per litre | lbs = pounds

DRO = Diesel Range Organics C13-C22 | gpm = gallons per minute | -- = data not collected/not calculated

MTBE = Methyl tertiary butyl ether

TBA = Tertiary Butyl Alcohol

[a] Approximate groundwater extraction rate between sampling periods, actual extraction rate varies due to system down time.

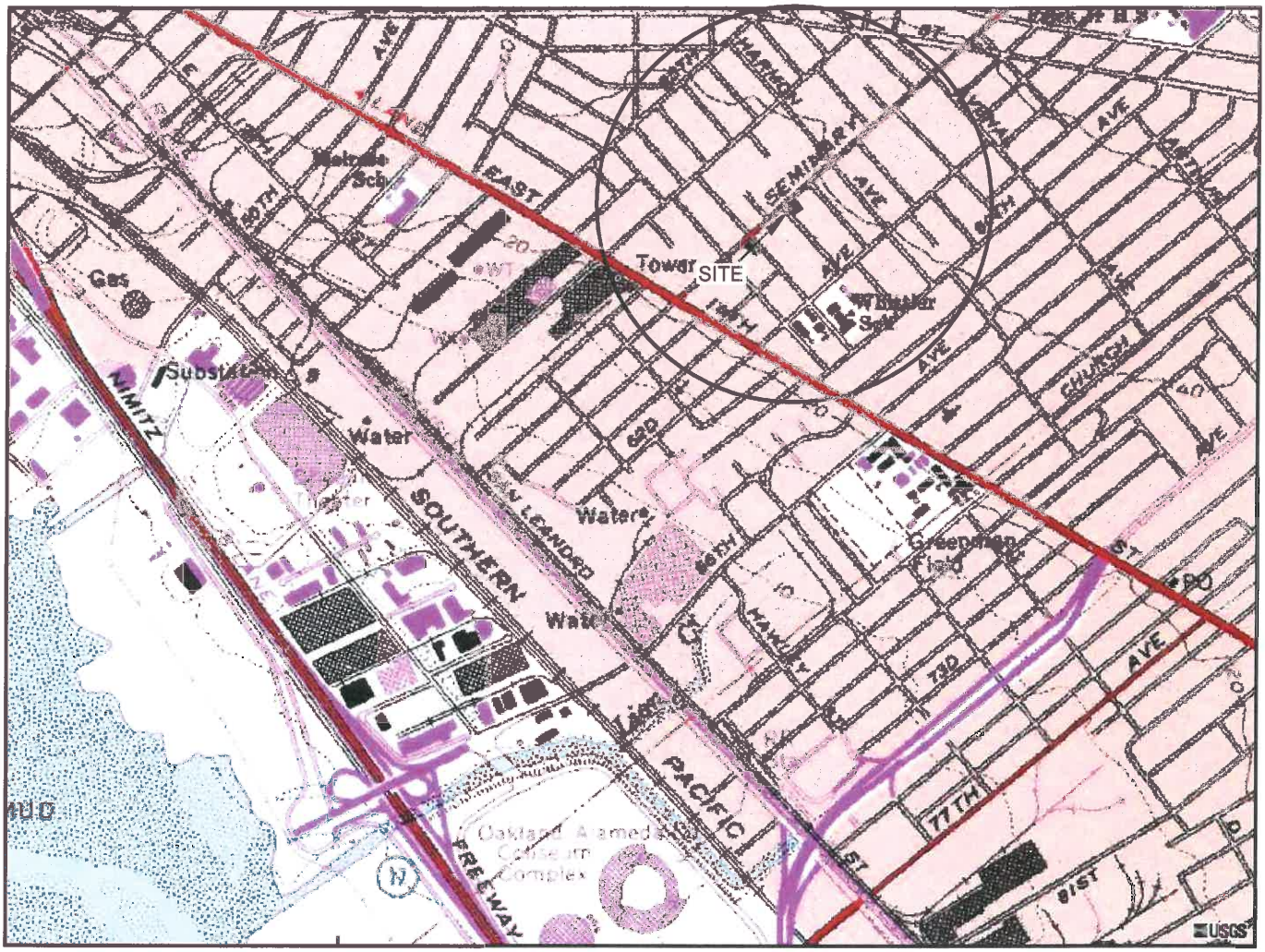
[b] Mass removed this period (pounds) = Average concentration (µg/L)[between the sample dates] x Period gallons x (2.2046×10^{-9})(lb/µg) / 0.26418 (gal/L)

[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 test, extracting from extraction wells EX-1, EX-2, EX-3, and EX-6.

2 New hour meter was installed, therefore, hour readings re-started at zero reading.



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1996

N

QUADRANGLE LOCATION

0 1800 FT

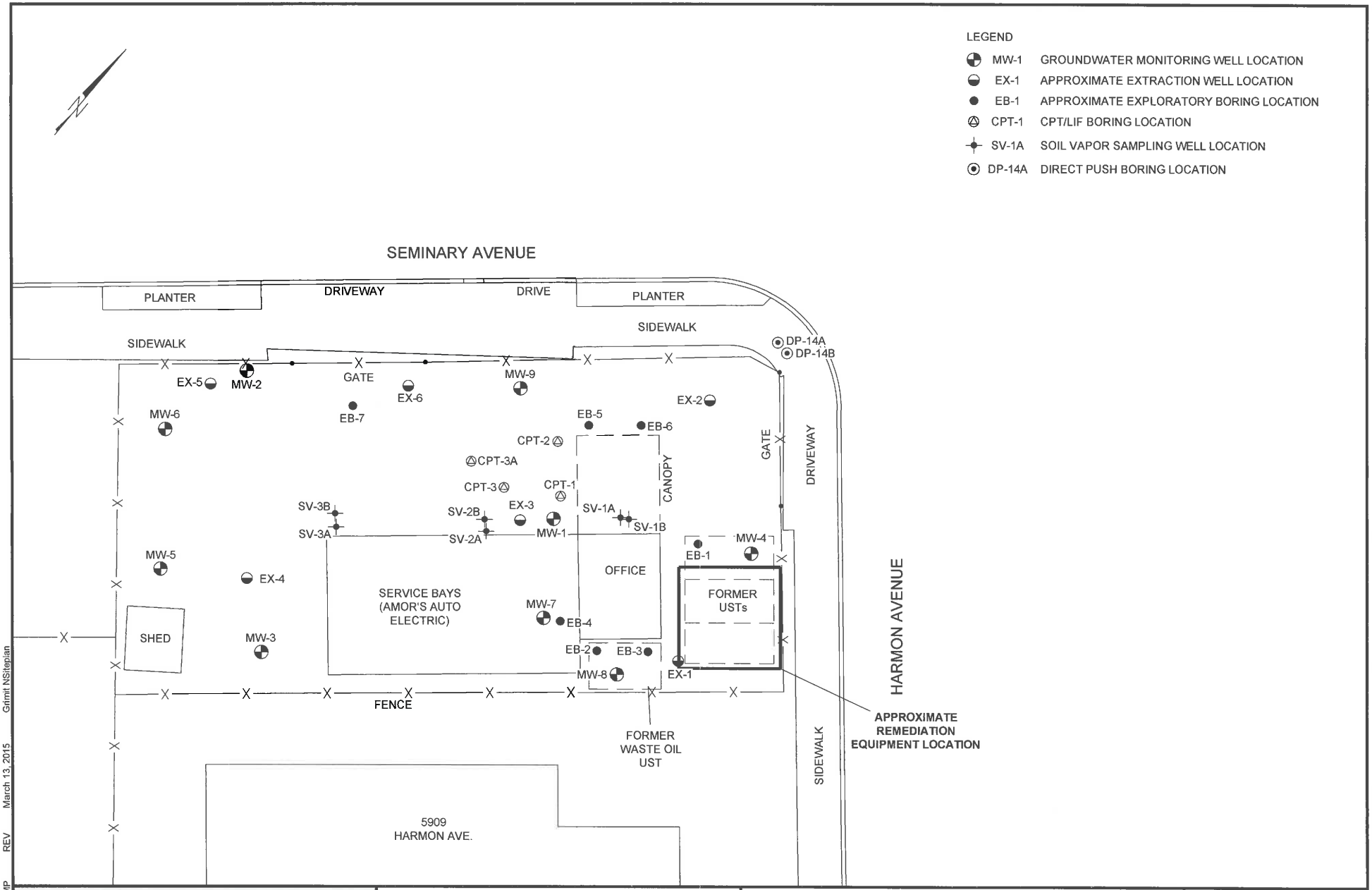
APPROXIMATE SCALE

STRATUS
ENVIRONMENTAL, INC.

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2090-1970-01



Grimit NSitepian March 13, 2015 REV JMP Grimit Auto

STRATUS
ENVIRONMENTAL, INC.

0 20 FT
SCALE

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE PLAN

FIGURE
2
PROJECT NO.
2090-1970-1

LEGEND

- MW-1 GROUNDWATER MONITORING WELL LOCATION
- EX-1 APPROXIMATE EXTRACTION WELL LOCATION
- EB-1 APPROXIMATE EXPLORATORY BORING LOCATION
- CPT-1 CPT/LIF BORING LOCATION
- SV-1A SOIL VAPOR SAMPLING WELL LOCATION
- DP-1A DIRECT PUSH BORING LOCATION

1947 SEMINARY AVE.
1951 SEMINARY AVE.
1955 SEMINARY AVE.
1969 A/B SEMINARY AVE.
1975 SEMINARY AVE.
HARMON AVENUE
DP-1A DP-1B DP-2A DP-2B DP-3A DP-3B DP-4A DP-4B DP-5A DP-5B DP-6A DP-6B
SEMINARY AVENUE
PLANTER DRIVEWAY DRIVE PLANTER
SIDEWALK SIDEWALK
DP-13A DP-13B DP-14A DP-14B
EX-5 MW-2 GATE EX-6 MW-9 EX-2
MW-6 EB-7 EB-5 EB-6
CPT-3A CPT-2 CPT-3 CPT-1 SV-1A CANOPY
SV-3B SV-2B SV-3A SV-2A EX-3 MW-1 SV-1B
MW-5 EX-4 SERVICE BAYS (AMOR'S AUTO ELECTRIC) OFFICE EB-1 MW-4 FORMER USTs
MW-7 EB-4 EB-3
SHED MW-3 EB-2 MW-8 EX-1
FENCE
FORMER WASTE OIL UST
DRIVEWAY
SIDEWALK
HOLWAY STREET
5900 HOLWAY ST.
5906 HOLWAY ST.
5909 HARMON AVE.
5912 HOLWAY ST.
DP-12A DP-12B
DP-11A DP-11B
HARMON AVENUE
DP-7A DP-7B
DP-8A DP-8B
DP-9A DP-9B
DP-10A DP-10B
5900 HARMON AVE.

STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto
DRAFTER INITIALS: JED
DATE LAST REVISED: July 27, 2015
FILENAME: Grimit Site Vicinity Map

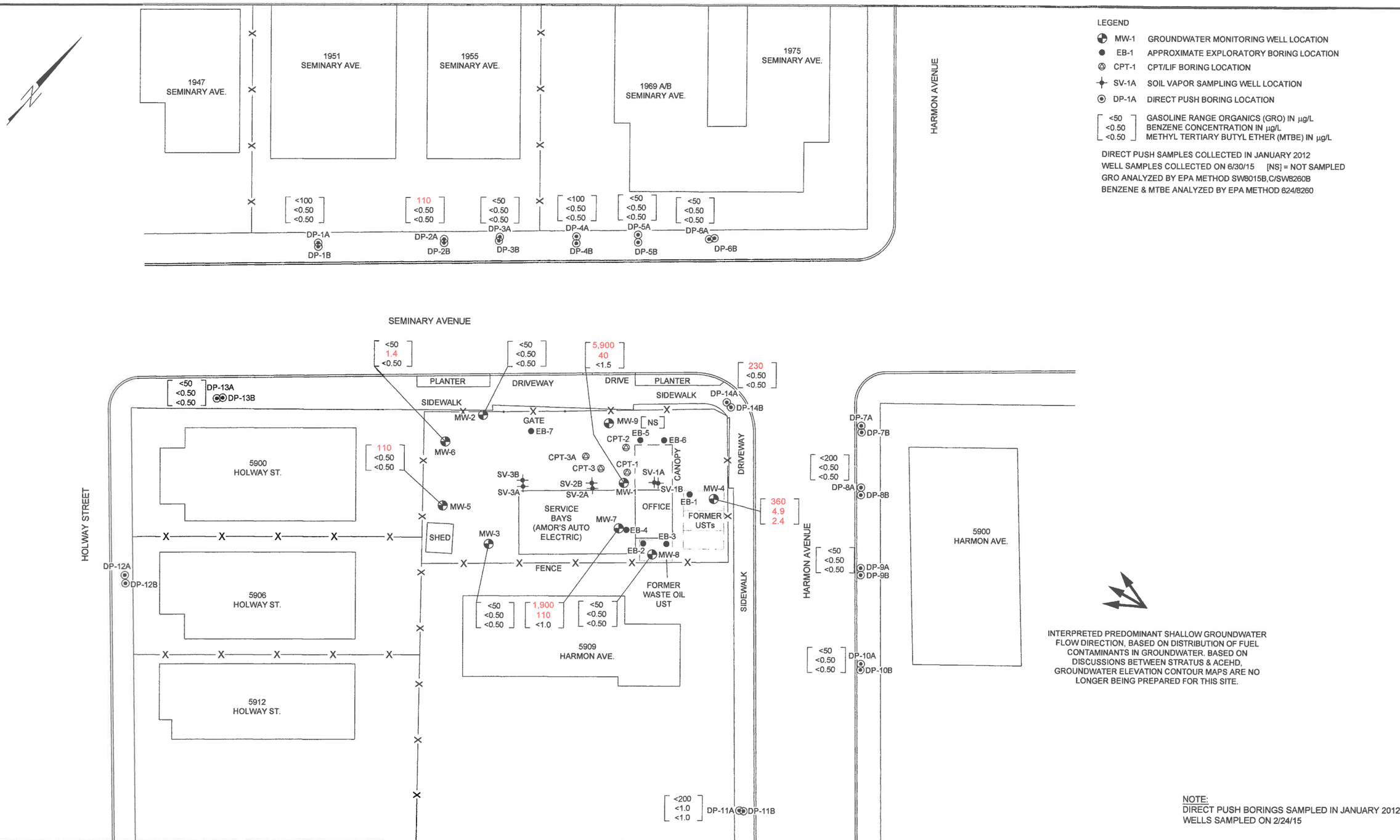
0 30 FT
SCALE

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE VICINITY MAP

FIGURE
3

PROJECT NO.
2090-1970-1



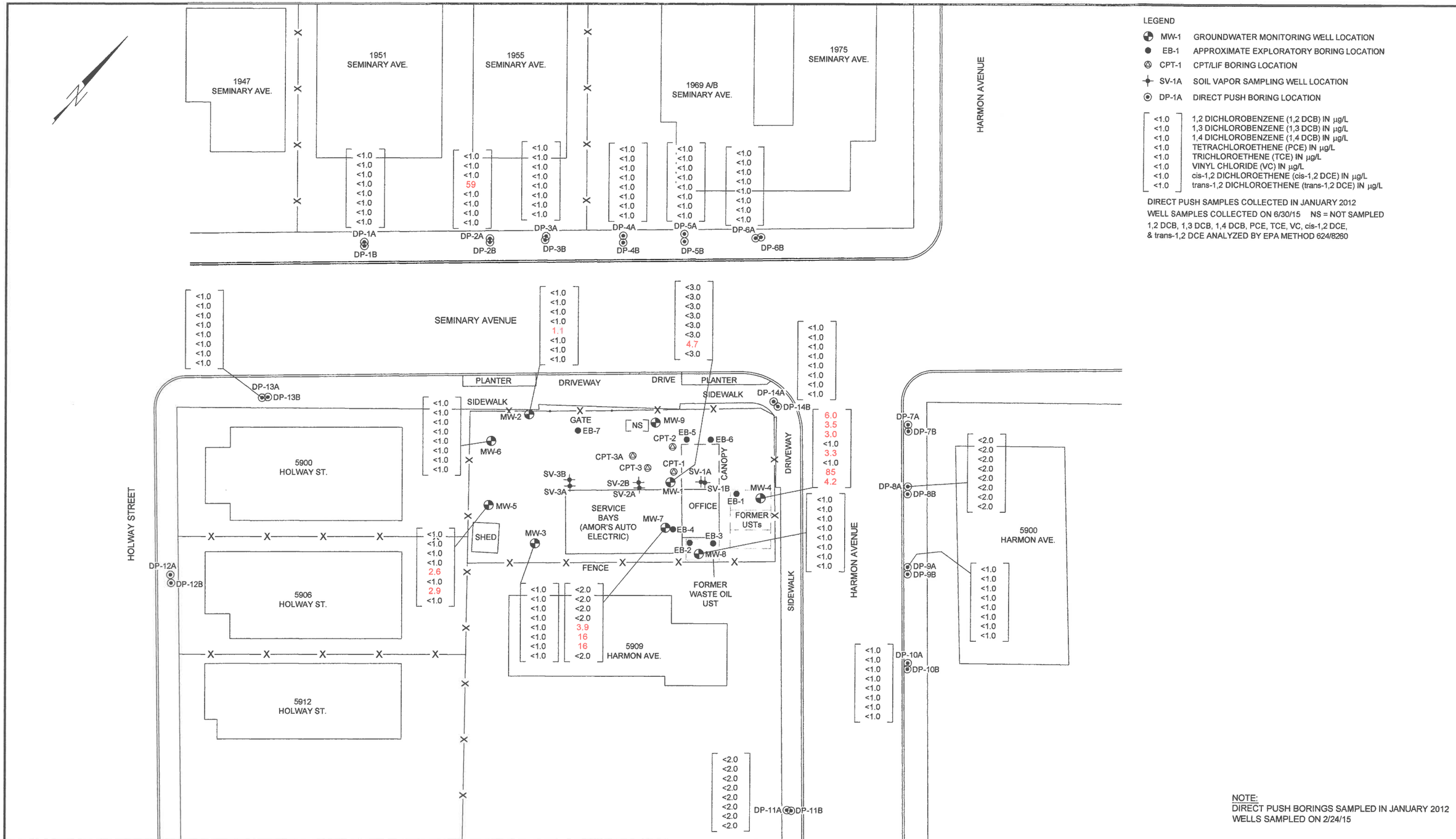
STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto\Quarterly
DRAFTER INITIALS: JED
DATE LAST REVISED: July 31, 2015
FILENAME: Grimit Quarterly Figures

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA
PETROLEUM HYDROCARBON GROUNDWATER ANALYTICAL SUMMARY ABOVE 40' bgs

FIGURE
4

PROJECT NO.
2090-1970-01



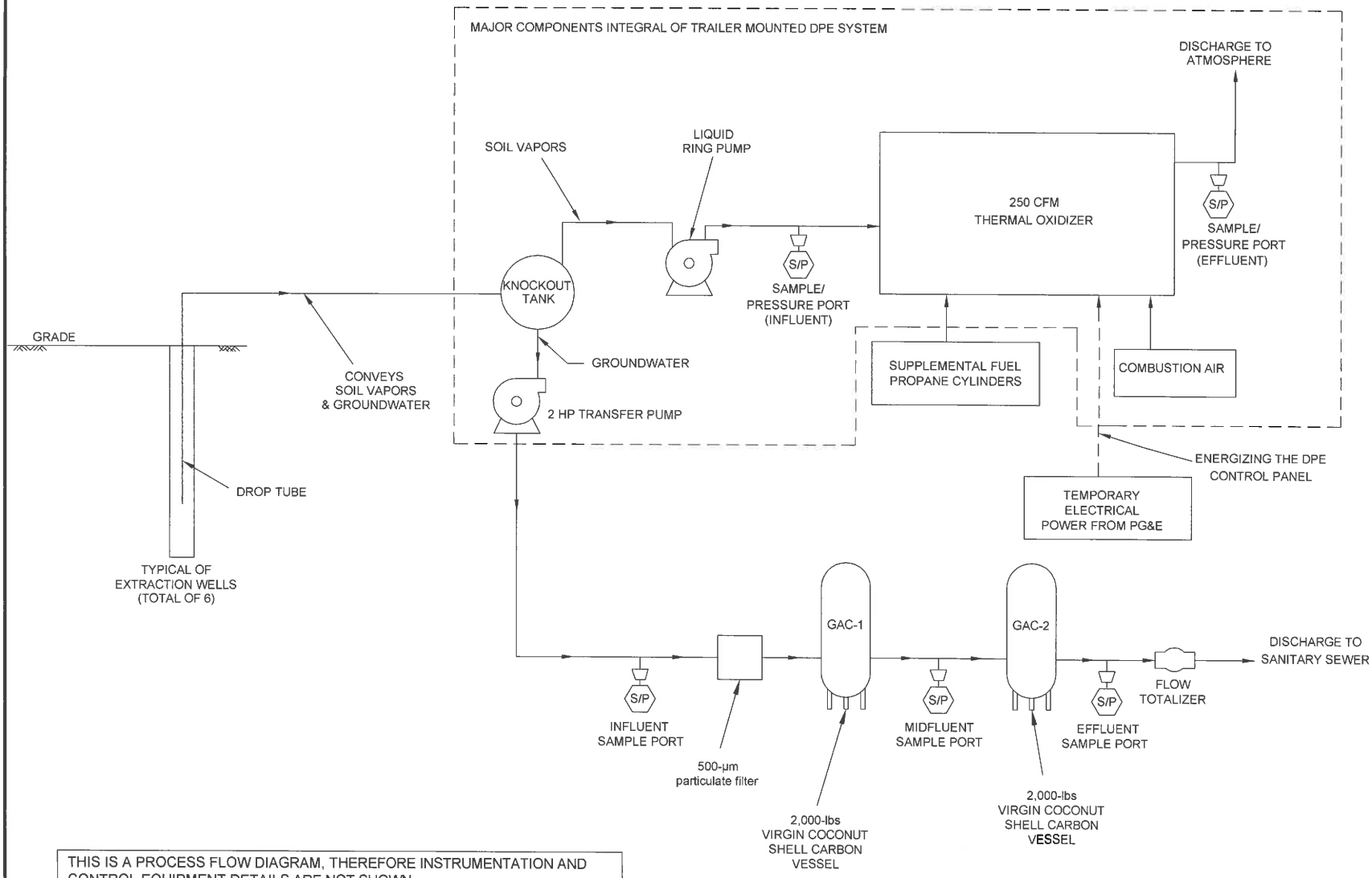
NOTE:
DIRECT PUSH BORINGS SAMPLED IN JANUARY 2012
WELLS SAMPLED ON 2/24/15

STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit AutoQuarterly
DRAFTER INITIALS: JED
DATE LAST REVISED: July 31, 2015
FILENAME: Grimit Quarterly Figures

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA
HALOGENATED VOC
GROUNDWATER ANALYTICAL SUMMARY
ABOVE 40' bgs

FIGURE
5
PROJECT NO.
2090-1970-01



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 GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE
6

PROJECT NO.
2090-1970-01

APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL, INC.

Site Address 1970 Seminary Ave
City Oakland
Sampled by:
Signature CHill

Site Number Grimit Auto
Project Number
Project PM Scott
DATE 6-30-15

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)
MW 1			.	34.60		2	.5	*	*		X			26.93	MW 1	1040	—
MW 2	0837		13.87	35.10	21.23	2	.5	10	10		X			25.61	MW 2	1055	0.93
MW 3	0840		13.32	20.40	7.08	2	.5	3	2.5 DM		X			16.80	MW 3	1125	2.25
MW 4	0835		22.77	34.60	11.83	2	.5	6	6		X			30.11	MW 4	1153	1.55
MW 5	0841		25.67	34.42	9.25	2	.5	5	3 DM		X			27.20	MW 5	1114	4.10
MW 6	0844		11.51	18.25	6.74	2	.5	3	3 DM		X			13.40	MW 6	1105	0.73
MW 7	0845		26.67	31.88	5.21	2	.5	3	2 DM		X			27.10	MW 7	1135	1.55
MW 8	0848		4.86	19.12	14.26	2	.5	7	7		X			5.12	MW 8	1145	1.07
MW 9	0851		19.20	20.05	DM	2	.5	—						—	MW 9	DM	

* MWs on system NO Purge

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 6·20-15
Conductivity)
DO

T:\Forms

ORIGINAL

STRATUS ENVIRONMENTAL, INC.

Site Address 1973 Seminary Site Number Summit Apts
City Oakland Project Number
Sampled By: Project PM
Signature DATE 6/30/15

Well ID MW2				10
Purge start time			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0917	19.1	6.71	828.6	8
time 0907	19.0	6.77	744.7	5
time 0914	18.8	6.77	737.7	10
time				
purge stop time 8.53 DO			ORP 1.8	

Well ID MW6				3
Purge start time			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0915	18.7	6.58	755.1	8
time 0925	18.7	6.70	789.0	3
time				
time				
purge stop time 8.53 DO			ORP 9.2	

Well ID MW5				6
Purge start time			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0931	18.0	6.92	685.3	8
time 0937	17.8	6.77	719.3	3 DRY
time				
time				
purge stop time 4.10 DO			ORP -9.6	

Well ID MW3				3
Purge start time			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0942	17.6	6.77	576.4	8
time 0947	17.5	6.70	666.6	25 DRY
time				
time				
purge stop time 2.25 DO			ORP 3.7	

Well ID MW7				3
Purge start time			Odor	(Y) N
	Temp C	pH	cond	gallons
time 0951	18.2	6.94	706.7	8
time 0955	18.1	6.81	731.6	2 DRY
time				
time				
purge stop time 1.55 DO			ORP -12.3	

Well ID MW8				7
Purge start time			Odor	Y (N)
	Temp C	pH	cond	gallons
time 1000	18.8	6.91	321.8	8
time 1004	19.3	6.77	313.6	3.5
time 1009	19.2	6.92	291.7	7
time				
purge stop time 1.07			ORP -8.4	

Well ID MW4				6
Purge start time			Odor	Y N
	Temp C	pH	cond	gallons
time 1015	19.6	7.04	593.9	0
time 1020	19.4	6.87	628.0	3
time 1025	19.1	7.00	650.2	5 DRY
time				
purge stop time 1.55			ORP -23.7	

Well ID				
Purge start time			Odor	Y N
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time			ORP	

Billing Information:

Company: Strutus
Attn: Scott
Address: 3330 Cameron Pk DR
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766004

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 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

04264

Page # 1 of 1

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

Job and Purchase Order Info:
Job #
Job Name: Girimit Auto
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: T0600100667
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	BTEX	5 oxys	1,2 DCA	EDB	Oil Grease *	Halogenated VOCs				Remarks
1040	6/30/15	AQ		MW-1	STD	8		X	X	X	X	X	X	X	X				
1055				MW-2		8													
1125				MW-3		8													
1153				MW-4		8													
1114				MW-5		8													
1105				MW-6		8													
1135				MW-7		8													
1145	6/30			MW-8		8		X	X	X	X	X	X	X	X				

ADDITIONAL INSTRUCTIONS: *Oil + Grease Silica gel Cleanup

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:
[signature] Stratus	6/30/15	1415	Melyssa T	6-30-15	1415
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

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

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.

Grimit
1970 Seminary Ave.
Oakland, California

ORIGINAL

Dual Phase Extraction and Abatement System

Date: 4-2-15
Onsite Time: 0545
Offsite Time: 0648

Technician: CH/LL
Project Engineer: Dybdahl
Weather Conditions: Clear
Ambient Temperature: 48

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 29832
Hour Meter Reading: 2514
Propane Usage: 70%
Chart Recorder Paper Replaced: [X] Yes [ ] No
Totalizer Reading on DPE Unit: 228870
Inf pH 8.19
Eff pH 8.28
Dilution Air Pipe Diameter 2
Combustion Chamber Operating Temperature: 1489
Dilution Air Flow/Temp 3463/57

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1250		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	12"HG			
Temperature, deg F		90	1307	
PID Readings, ppmv		100	0.9	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1	23	100			MW-1		
EX-2	19	100			MW-2		
EX-3	24	100			MW-3		
EX-4		0			MW-4	21.63	47.2
EX-5		0			MW-5		
EX-6	20	100			MW-6		
MW-1	1' off Bottom	100			MW-7		
					MW-8		
					MW-9		

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E ASYSINF 102784-04	4/21 0905	I WINF	4/21 0620
E AEFF 05	/ 0600	I WGAC1	/ 0615
		I WEFF	/ 0600

Groundwater clean up analysis required:
WInf/WEff- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
GAC-1- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
Soil vapor clean up analysis required:
AInf/AEff- GRO, BTEX and MTBE, and VOCs (including PCE, TCE, VC, and Chlorobenzene)
Additional permit requirements:
WINF/WEff- VOCs (including BTEX), Total Metals (cadmium, chromium, copper lead, nickel, zinc), and Total Mercury

Operation & Maintenance Notes
Notes:
Water Effluent Flow Rate assumed 5 gpm; max monthly discharge volume 200,000 gallons/month
Air Effluent Flow Rate <250 scfm
Groundwater shall not be discharged if sewer strength exceeds benchmark values of BTEX >5ug/L.

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8015/8260
VOCs including BTEX	Start-up only	WInf & WEff	EPA Method 624
BTEX	Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
MTBE	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
1,2-DCA	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Napthalene	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Total Mercury	Start-up only	WInf & WEff	EPA Method 245.2
Total Metals	Start-up only	WInf & WEff	EPA Method 200.7
VOCs including (PCE, TCE, and Vinylchloride)	Monthly	WInf/GAC-1/WEff	EPA Method 8260
VOCs including (PCE, TCE, Vinylchloride, chlorobenzene)	Start-up/Monthly	ASysInf/AEff	EPA Method 8260

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Date:	4-22-15	Technician:	CHILL
Onsite Time:	0756	Project Engineer:	Dibbi
Offsite Time:	0730	Weather Conditions:	Cloudy
		Ambient Temperature:	52

System Information

System Status Upon Arrival:	Operational	☒	Non-Operational	☐
System Status Upon Departure:	Operational	☒	Non-Operational	☐
Electric Meter Reading:	NM			
Hour Meter Reading:	2995	Chart Recorder Paper Replaced	☒ Yes ☐ No	
Propane Usage:	50 %			
		Inf pH		
Totalizer Reading on DPE Unit:	231050	Eff pH		
		Dilution Air Pipe Diameter	4 2	
Combustion Chamber Operating Temperature:	1493	Dilution Air Flow/Temp	3370/56	

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1500		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	12"Hg			
Temperature, deg F		93		
PID Readings, ppmv		25	0.5	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1		100			MW-1		
EX-2		100			MW-2		
EX-3		100			MW-3		
EX-4					MW-4	21.43	-34.1
EX-5					MW-5		
EX-6		100			MW-6		
MW 1		100			MW-7		
					MW-8		
					MW-9		

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E ASYSINF		I WINF	
E AEFF		I WGAC1	
		I WEFF	

Groundwater clean up analysis required:
WInf/WEff- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
GAC-1- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
Soil vapor clean up analysis required:
AInf/AEff- GRO, BTEX and MTBE, and VOCs (including PCE, TCE, VC, and Chlorobenzene)
Additional permit requirements:
WINF/WEff- VOCs (including BTEX), Total Metals (cadmium, chromium, copper lead, nickel, zinc), and Total Mercury

Operation & Maintenance Notes
Notes:
Water Effluent Flow Rate assumed 5 gpm; max monthly discharge volume 200,000 gallons/month
Air Effluent Flow Rate <250 scfm
Groundwater shall not be discharged if sewer strength exceeds benchmark values of BTEX >5ug/L.

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8015/8260
VOCs including BTEX	Start-up only	WInf & WEff	EPA Method 624
BTEX	Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
MTBE	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
1,2-DCA	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Napthalene	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Total Mercury	Start-up only	WInf & WEff	EPA Method 245.2
Total Metals	Start-up only	WInf & WEff	EPA Method 200.7
VOCs including (PCE, TCE, and Vinylchloride)	Monthly	WInf/GAC-1/WEff	EPA Method 8260
VOCs including (PCE, TCE, Vinylchloride, chlorobenzene)	Start-up/Monthly	ASysInf/AEff	EPA Method 8260

Grimit
1970 Seminary Ave.
Oakland, California

ORIGINAL

Dual Phase Extraction and Abatement System

Date: 5-5-15
Onsite Time: 0830
Offsite Time: 1000

Technician: CH/LC
Project Engineer: Dobbs
Weather Conditions: Cloudy
Ambient Temperature: 59

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 38358
Hour Meter Reading: 3309
Propane Usage: 75 %
Totalizer Reading on DPE Unit: 232510
Combustion Chamber Operating Temperature: 1481
Chart Recorder Paper Replaced [X] Yes [ ] No
Inf pH 8.01
Eff pH 8.13
Dilution Air Pipe Diameter 2
Dilution Air Flow/Temp 2867/63

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1350		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, ("Hg)/"WC	12" H2O			
Temperature, deg F		100	1160	
PID Readings, ppmv		12	1.8	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1		100		-146" H2O	MW-1		
EX-2		100			MW-2	13.55	+3.70
EX-3		100		-100.0	MW-3		
EX-4					MW-4	20.85	-14.3 54.3
EX-5					MW-5		
EX-6		100		-119.6	MW-6		
MW1		100			MW-7		
					MW-8	4.18	-8.27
					MW-9		

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E- ASYSINF	5516 0858	I WINF	5516 0920
E AEFF	0855	I WGAC1	0915
		I WEFF	0910

Groundwater clean up analysis required:
WInf/WEff- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
GAC-1- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
Soil vapor clean up analysis required:
AInf/AEff- GRO, BTEX and MTBE, and VOCs (including PCE, TCE, VC, and Chlorobenzene)
Additional permit requirements:
WINF/WEff- VOCs (including BTEX), Total Metals (cadmium, chromium, copper lead, nickel, zinc), and Total Mercury

Operation & Maintenance Notes
Notes:
Water Effluent Flow Rate assumed 5 gpm; max monthly discharge volume 200,000 gallons/month
Air Effluent Flow Rate <250 scfm
Groundwater shall not be discharged if sewer strength exceeds benchmark values of BTEX >5ug/L.

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8015/8260
VOCs including BTEX	Start-up only	WInf & WEff	EPA Method 624
BTEX	Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
MTBE	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
1,2-DCA	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Napthalene	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Total Mercury	Start-up only	WInf & WEff	EPA Method 245.2
Total Metals	Start-up only	WInf & WEff	EPA Method 200.7
VOCs including (PCE, TCE, and Vinylchloride)	Monthly	WInf/GAC-1/WEff	EPA Method 8260
VOCs including (PCE, TCE, Vinylchloride, chlorobenzene)	Start-up/Monthly	ASysInf/AEff	EPA Method 8260

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Date:	5-20-15	Technician:	CHILL
Onsite Time:	0815	Project Engineer:	Dabbs
Offsite Time:	0900	Weather Conditions:	Clouds
		Ambient Temperature:	50

System Information

System Status Upon Arrival:	Operational ☒	Non-Operational ☐	
System Status Upon Departure:	Operational ☒	Non-Operational ☐	
Electric Meter Reading:	42214		
Hour Meter Reading:	3669	Chart Recorder Paper Replaced	☒ Yes ☐ No
Propane Usage:	25%		
		Inf pH	
Totalizer Reading on DPE Unit:	233990	Eff pH	
		Dilution Air Pipe Diameter	2"
Combustion Chamber Operating Temperature:	1560	Dilution Air Flow/Temp	3011/67/2"

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1150		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, ~~"Hg~~ "WC	12" H6			
Temperature, deg F		100	84.9	
PID Readings, ppmv		33	1380	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1		100			MW-1		
EX-2		100			MW-2		
EX-3		100			MW-3		
EX-4					MW-4	22.31	-41.6
EX-5					MW-5		
EX-6		100			MW-6		
mw 1		100			MW-7		
					MW-8		
					MW-9		

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E ASYSINF		I WINF	
E AEFF		I WGAC1	
		I WEFF	

Groundwater clean up analysis required:
WInf/WEff- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
GAC-1- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
Soil vapor clean up analysis required:
AInf/AEff- GRO, BTEX and MTBE, and VOCs (including PCE, TCE, VC, and Chlorobenzene)
Additional permit requirements:
WINF/WEff- VOCs (including BTEX), Total Metals (cadmium, chromium, copper lead, nickel, zinc), and Total Mercury

Operation & Maintenance Notes
Notes:
Water Effluent Flow Rate assumed 5 gpm; max monthly discharge volume 200,000 gallons/month
Air Effluent Flow Rate <250 scfm
Groundwater shall not be discharged if sewer strength exceeds benchmark values of BTEX >5ug/L.

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8015/8260
VOCs including BTEX	Start-up only	WInf & WEff	EPA Method 624
BTEX	Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
MTBE	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
1,2-DCA	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Napthalene	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Total Mercury	Start-up only	WInf & WEff	EPA Method 245.2
Total Metals	Start-up only	WInf & WEff	EPA Method 200.7
VOCs including (PCE, TCE, and Vinylchloride)	Monthly	WInf/GAC-1/WEff	EPA Method 8260
VOCs including (PCE, TCE, Vinylchloride, chlorobenzene)	Start-up/Monthly	ASysInf/AEff	EPA Method 8260

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Date:	6/2/15	Technician:	CHILL
Onsite Time:	0610	Project Engineer:	Debbie
Offsite Time:	0715	Weather Conditions:	Clear
		Ambient Temperature:	59

System Information

System Status Upon Arrival:	Operational	☑	Non-Operational	☐
System Status Upon Departure:	Operational	☒	Non-Operational	☐
Electric Meter Reading:	45515			
Hour Meter Reading:	3979	Chart Recorder Paper Replaced	☑ Yes ☐ No	
Propane Usage:	40%			
Totalizer Reading on DPE Unit:	235120	Inf pH	8.69	
		Eff pH	8.61	
		Dilution Air Pipe Diameter	2"	
Combustion Chamber Operating Temperature:	1599	Dilution Air Flow/Temp	3064/68	

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1200		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	12" Hg			
Temperature, deg F		92	132	
PID Readings, ppmv		40	0.9	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1	4	100			MW-1		
EX-2		100			MW-2		
EX-3		100			MW-3		
EX-4		0			MW-4	22.21	-51.1
EX-5		0			MW-5		
EX-6		100			MW-6		
mw 1		100			MW-7		
					MW-8		
					MW-9		

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E ASYSINF	6215 0640	I WINF	6215 0635
E AEFF	" 0643	I WGAC1	" 0630
		I WEFF	" 0625

Groundwater clean up analysis required:
WInf/WEff- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
GAC-1- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
Soil vapor clean up analysis required:
AInf/AEff- GRO, BTEX and MTBE, and VOCs (including PCE, TCE, VC, and Chlorobenzene)
Additional permit requirements:
WINF/WEff- VOCs (including BTEX), Total Metals (cadmium, chromium, copper lead, nickel, zinc), and Total Mercury

Operation & Maintenance Notes
Notes:
Water Effluent Flow Rate assumed 5 gpm; max monthly discharge volume 200,000 gallons/month
Air Effluent Flow Rate <250 scfm
Groundwater shall not be discharged if sewer strength exceeds benchmark values of BTEX >5ug/L.

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8015/8260
VOCs including BTEX	Start-up only	WInf & WEff	EPA Method 624
BTEX	Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
MTBE	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
1,2-DCA	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Napthalene	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Total Mercury	Start-up only	WInf & WEff	EPA Method 245.2
Total Metals	Start-up only	WInf & WEff	EPA Method 200.7
VOCs including (PCE, TCE, and Vinylchloride)	Monthly	WInf/GAC-1/WEff	EPA Method 8260
VOCs including (PCE, TCE, Vinylchloride, chlorobenzene)	Start-up/Monthly	ASysInf/AEff	EPA Method 8260

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

ORIGINAL

Date:	6 22 15	Technician:	CHILL
Onsite Time:	0800	Project Engineer:	Debby
Offsite Time:	0900	Weather Conditions:	Cloudy
		Ambient Temperature:	50

System Information

System Status Upon Arrival:	Operational ☒	Non-Operational ☐	
System Status Upon Departure:	Operational ☒	Non-Operational ☐	
Electric Meter Reading:	50400		
Hour Meter Reading:	4460	Chart Recorder Paper Replaced	☒ Yes ☐ No
Propane Usage:	180 %		
		Inf pH	
Totalizer Reading on DPE Unit:	236730	Eff pH	
		Dilution Air Pipe Diameter	2
Combustion Chamber Operating Temperature:	1474	Dilution Air Flow/Temp	3457/65

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1100		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	12"/46			
Temperature, deg F		88	840	
PID Readings, ppmv		30	8.9	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1		100			MW-1		
EX-2		100			MW-2		
EX-3		100			MW-3		
EX-4		8			MW-4	21.64	-53.5"
EX-5		8			MW-5		
EX-6		100			MW-6		
MW1		100			MW-7		
					MW-8		
					MW-9		

ORIGINAL

Grimit
1970 Seminary Ave.
Oakland, California
Dual Phase Extraction and Abatement System

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E ASYSINF		I WINF	
E AEFF		I WGAC1	
		I WEFF	

Groundwater clean up analysis required:
WInf/WEff- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
GAC-1- GRO, BTEX, MTBE, 1,2-DCA, VOCs (including PCE, TCE, VC), and napthalene
Soil vapor clean up analysis required:
AInf/AEff- GRO, BTEX and MTBE, and VOCs (including PCE, TCE, VC, and Chlorobenzene)
Additional permit requirements:
WINF/WEff- VOCs (including BTEX), Total Metals (cadmium, chromium, copper lead, nickel, zinc), and Total Mercury

Operation & Maintenance Notes
Notes:
Water Effluent Flow Rate assumed 5 gpm; max monthly discharge volume 200,000 gallons/month
Air Effluent Flow Rate <250 scfm
Groundwater shall not be discharged if sewer strength exceeds benchmark values of BTEX >5ug/L.

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8015/8260
VOCs including BTEX	Start-up only	WInf & WEff	EPA Method 624
BTEX	Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
MTBE	Start-up/Monthly	WInf/GAC-1/WEff ASysInf/AEff	EPA Method 8260
1,2-DCA	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Napthalene	Start-up/Monthly	WInf/GAC-1/WEff	EPA Method 8260
Total Mercury	Start-up only	WInf & WEff	EPA Method 245.2
Total Metals	Start-up only	WInf & WEff	EPA Method 200.7
VOCs including (PCE, TCE, and Vinylchloride)	Monthly	WInf/GAC-1/WEff	EPA Method 8260
VOCs including (PCE, TCE, Vinylchloride, chlorobenzene)	Start-up/Monthly	ASysInf/AEff	EPA Method 8260

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 : 07/01/15

Job: Grimit Auto

Oil and Grease, HEM
EPA Method 1664A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1** Lab ID : STR15070145-01A Oil & Grease, HEM Date Sampled 06/30/15 10:40	130,000	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-2** Lab ID : STR15070145-02A Oil & Grease, HEM Date Sampled 06/30/15 10:55	ND	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-3** Lab ID : STR15070145-03A Oil & Grease, HEM Date Sampled 06/30/15 11:25	ND	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-4** Lab ID : STR15070145-04A Oil & Grease, HEM Date Sampled 06/30/15 11:53	ND	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-5** Lab ID : STR15070145-05A Oil & Grease, HEM Date Sampled 06/30/15 11:14	ND	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-6** Lab ID : STR15070145-06A Oil & Grease, HEM Date Sampled 06/30/15 11:05	ND	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-7** Lab ID : STR15070145-07A Oil & Grease, HEM Date Sampled 06/30/15 11:35	ND	5,000 µg/L	07/06/15	07/06/15
Client ID: **MW-8** Lab ID : STR15070145-08A Oil & Grease, HEM Date Sampled 06/30/15 11:45	ND	5,000 µg/L	07/06/15	07/06/15

HEM = Hexane Extractable Material

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

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

ACCREDITED DoD ELAP

7/9/15
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

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 : 07/01/15

Job: Grimit Auto

Oil and Grease, SGT-HEM
EPA Method 1664A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**				
Lab ID : STR15070145-01A Oil & Grease, SGT-HEM	100,000	5,000 µg/L	07/06/15	07/06/15
Date Sampled 06/30/15 10:40				

SGT-HEM = Silica Gel Treated Hexane Extractable Material

Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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7/9/15
Report Date

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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 : 07/01/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-1**					
Lab ID :	STR15070145-01A	TPH-P (GRO)	5,900	300 µg/L	07/09/15	07/09/15
Date Sampled	06/30/15 10:40					
Client ID :	**MW-2**					
Lab ID :	STR15070145-02A	TPH-P (GRO)	ND	50 µg/L	07/08/15	07/08/15
Date Sampled	06/30/15 10:55					
Client ID :	**MW-3**					
Lab ID :	STR15070145-03A	TPH-P (GRO)	ND	50 µg/L	07/08/15	07/08/15
Date Sampled	06/30/15 11:25					
Client ID :	**MW-4**					
Lab ID :	STR15070145-04A	TPH-P (GRO)	360	100 µg/L	07/09/15	07/09/15
Date Sampled	06/30/15 11:53					
Client ID :	**MW-5**					
Lab ID :	STR15070145-05A	TPH-P (GRO)	110	50 µg/L	07/08/15	07/08/15
Date Sampled	06/30/15 11:14					
Client ID :	**MW-6**					
Lab ID :	STR15070145-06A	TPH-P (GRO)	ND	50 µg/L	07/08/15	07/08/15
Date Sampled	06/30/15 11:05					
Client ID :	**MW-7**					
Lab ID :	STR15070145-07A	TPH-P (GRO)	1,900	200 µg/L	07/09/15	07/09/15
Date Sampled	06/30/15 11:35					
Client ID :	**MW-8**					
Lab ID :	STR15070145-08A	TPH-P (GRO)	ND	50 µg/L	07/08/15	07/08/15
Date Sampled	06/30/15 11:45					

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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ACCREDITED DoD ELAP

7/9/15
Report Date

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
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-01A
Client I.D. Number: MW-1

Sampled: 06/30/15 10:40
Received: 07/01/15
Extracted: 07/09/15
Analyzed: 07/09/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	12 µg/L
2	Vinyl chloride	ND	3.0 µg/L
3	Chloroethane	ND	3.0 µg/L
4	Bromomethane	ND	12 µg/L
5	Trichlorofluoromethane	ND	3.0 µg/L
6	1,1-Dichloroethene	ND	3.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	30 µg/L
8	Dichloromethane	ND	12 µg/L
9	trans-1,2-Dichloroethene	ND	3.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	1.5 µg/L
11	1,1-Dichloroethane	ND	3.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	3.0 µg/L
13	cis-1,2-Dichloroethene	4.7	3.0 µg/L
14	Chloroform	ND	3.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	3.0 µg/L
16	1,2-Dichloroethane	ND	3.0 µg/L
17	1,1,1-Trichloroethane	ND	3.0 µg/L
18	Carbon tetrachloride	ND	3.0 µg/L
19	Benzene	40	1.5 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	3.0 µg/L
21	1,2-Dichloropropane	ND	3.0 µg/L
22	Trichloroethene	ND	3.0 µg/L
23	Bromodichloromethane	ND	3.0 µg/L
24	cis-1,3-Dichloropropene	ND	3.0 µg/L
25	trans-1,3-Dichloropropene	ND	3.0 µg/L
26	1,1,2-Trichloroethane	ND	3.0 µg/L
27	Toluene	9.1	1.5 µg/L
28	Dibromochloromethane	ND	3.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	6.0 µg/L
30	Tetrachloroethene	ND	3.0 µg/L
31	Chlorobenzene	ND	3.0 µg/L
32	Ethylbenzene	9.1	1.5 µg/L
33	m,p-Xylene	170	1.5 µg/L
34	Bromoform	ND	3.0 µg/L
35	o-Xylene	46	1.5 µg/L
36	1,1,2,2-Tetrachloroethane	ND	3.0 µg/L
37	1,3-Dichlorobenzene	ND	3.0 µg/L
38	1,4-Dichlorobenzene	ND	3.0 µg/L
39	1,2-Dichlorobenzene	ND	3.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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7/9/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-02A
Client I.D. Number: MW-2

Sampled: 06/30/15 10:55
Received: 07/01/15
Extracted: 07/08/15
Analyzed: 07/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	1.1	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-03A
Client I.D. Number: MW-3

Sampled: 06/30/15 11:25
Received: 07/01/15
Extracted: 07/08/15
Analyzed: 07/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
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7/9/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-04A
Client I.D. Number: MW-4

Sampled: 06/30/15 11:53
Received: 07/01/15
Extracted: 07/09/15
Analyzed: 07/09/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	4.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	0.56	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	4.0 µg/L	29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Tetrachloroethene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Chlorobenzene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	Ethylbenzene	1.2	0.50 µg/L
8	Dichloromethane	ND	4.0 µg/L	33	m,p-Xylene	ND	0.50 µg/L
9	trans-1,2-Dichloroethene	4.2	1.0 µg/L	34	Bromoform	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	2.4	0.50 µg/L	35	o-Xylene	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,3-Dichlorobenzene	3.5	1.0 µg/L
13	cis-1,2-Dichloroethene	85	1.0 µg/L	38	1,4-Dichlorobenzene	3.0	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	1,2-Dichlorobenzene	6.0	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L				
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	4.9	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	3.3	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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7/9/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-05A
Client I.D. Number: MW-5

Sampled: 06/30/15 11:14
Received: 07/01/15
Extracted: 07/08/15
Analyzed: 07/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Tetrachloroethene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Chlorobenzene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	Ethylbenzene	ND	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	m,p-Xylene	ND	0.50 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	Bromoform	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	o-Xylene	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,3-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	2.9	1.0 µg/L	38	1,4-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	1,2-Dichlorobenzene	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L				
16	1,2-Dichloroethane	13	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	2.6	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

ND = Not Detected

ACCLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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NELAP ACCREDITED FNI LABORATORY

7/9/15
Report Date

Alpha Analytical, Inc.

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

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-06A
Client I.D. Number: MW-6

Sampled: 06/30/15 11:05
Received: 07/01/15
Extracted: 07/08/15
Analyzed: 07/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	1.9	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	1.4	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

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Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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NELAP ACCREDITED LABORATORY

7/9/15
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-07A
Client I.D. Number: MW-7

Sampled: 06/30/15 11:35
Received: 07/01/15
Extracted: 07/09/15
Analyzed: 07/09/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	16	2.0 µg/L
3	Chloroethane	ND	2.0 µg/L
4	Bromomethane	ND	8.0 µg/L
5	Trichlorofluoromethane	ND	2.0 µg/L
6	1,1-Dichloroethene	ND	2.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	20 µg/L
8	Dichloromethane	ND	8.0 µg/L
9	trans-1,2-Dichloroethene	ND	2.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L
11	1,1-Dichloroethane	ND	2.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	2.0 µg/L
13	cis-1,2-Dichloroethene	16	2.0 µg/L
14	Chloroform	ND	2.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L
16	1,2-Dichloroethane	ND	2.0 µg/L
17	1,1,1-Trichloroethane	ND	2.0 µg/L
18	Carbon tetrachloride	ND	2.0 µg/L
19	Benzene	110	1.0 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L
21	1,2-Dichloropropane	ND	2.0 µg/L
22	Trichloroethene	3.9	2.0 µg/L
23	Bromodichloromethane	ND	2.0 µg/L
24	cis-1,3-Dichloropropene	ND	2.0 µg/L
25	trans-1,3-Dichloropropene	ND	2.0 µg/L
26	1,1,2-Trichloroethane	ND	2.0 µg/L
27	Toluene	4.0	1.0 µg/L
28	Dibromochloromethane	ND	2.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	4.0 µg/L
30	Tetrachloroethene	ND	2.0 µg/L
31	Chlorobenzene	ND	2.0 µg/L
32	Ethylbenzene	ND	1.0 µg/L
33	m,p-Xylene	ND	1.0 µg/L
34	Bromoform	ND	2.0 µg/L
35	o-Xylene	ND	1.0 µg/L
36	1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
37	1,3-Dichlorobenzene	ND	2.0 µg/L
38	1,4-Dichlorobenzene	ND	2.0 µg/L
39	1,2-Dichlorobenzene	ND	2.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACCLASS ACCREDITED DoD ELAP

7/9/15
Report Date

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
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15070145-08A
Client I.D. Number: MW-8

Sampled: 06/30/15 11:45
Received: 07/01/15
Extracted: 07/08/15
Analyzed: 07/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Tetrachloroethene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Chlorobenzene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	Ethylbenzene	ND	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	m,p-Xylene	ND	0.50 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	Bromoform	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	o-Xylene	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,3-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L	38	1,4-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	1,2-Dichlorobenzene	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L				
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	ND	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

7/9/15
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: STR15070145 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15070145-01A	MW-1	Aqueous	2
15070145-02A	MW-2	Aqueous	2
15070145-03A	MW-3	Aqueous	2
15070145-04A	MW-4	Aqueous	2
15070145-05A	MW-5	Aqueous	2
15070145-06A	MW-6	Aqueous	2
15070145-07A	MW-7	Aqueous	2
15070145-08A	MW-8	Aqueous	2

7/9/15

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: *08-Jul-15*

QC Summary Report

Work Order: 15070145

Method Blank

Type **MBLK** Test Code: **EPA Method 1664A**

File ID: Batch ID: **W0706OG** Analysis Date: **07/06/2015 00:00**

Sample ID: **MBLK-W0706OG** Units : **µg/L** Run ID: **WETLAB_150706A** Prep Date: **07/06/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	ND	5000								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 1664A**

File ID: Batch ID: **W0706OG** Analysis Date: **07/06/2015 00:00**

Sample ID: **LCS-W0706OG** Units : **µg/L** Run ID: **WETLAB_150706A** Prep Date: **07/06/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	39500	5000	40000		99	78	114			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 1664A**

File ID: Batch ID: **W0706OG** Analysis Date: **07/06/2015 00:00**

Sample ID: **15070145-01AMS** Units : **µg/L** Run ID: **WETLAB_150706A** Prep Date: **07/06/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	55400	5000	40000	130600	-190	78	114			M2

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.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

HEM = Hexane Extractable Material

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: *08-Jul-15*

QC Summary Report

Work Order: 15070145

Method Blank

Type **MBLK** Test Code: **EPA Method 1664A**

File ID: Batch ID: **W0706SG** Analysis Date: **07/06/2015 00:00**

Sample ID: **MBLK-W0706SG** Units : **µg/L** Run ID: **WETLAB_150706B** Prep Date: **07/06/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	ND	5000								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 1664A**

File ID: Batch ID: **W0706SG** Analysis Date: **07/06/2015 00:00**

Sample ID: **LCS-W0706SG** Units : **µg/L** Run ID: **WETLAB_150706B** Prep Date: **07/06/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	17000	5000	20000		85	64	132			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 1664A**

File ID: Batch ID: **W0706SG** Analysis Date: **07/06/2015 00:00**

Sample ID: **15070145-01AMS** Units : **µg/L** Run ID: **WETLAB_150706B** Prep Date: **07/06/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	26600	5000	20000	100400	-370	64	132			M3

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.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

SGT-HEM = Silica Gel Treated Hexane Extractable Material

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-Jul-15

QC Summary Report

Work Order: 15070145

Method Blank

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

File ID: **15070808.D** Batch ID: **MS09W0708B** Analysis Date: **07/08/2015 17:56**

Sample ID: **MBLK MS09W0708B** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/08/2015 17:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.83		10		88	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.6		10		96	70	130			

Laboratory Control Spike

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

File ID: **15070807.D** Batch ID: **MS09W0708B** Analysis Date: **07/08/2015 16:04**

Sample ID: **GLCS MS09W0708B** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/08/2015 16:04**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	397	50	400		99	70	130			
Surr: 1,2-Dichloroethane-d4	9.78		10		98	70	130			
Surr: Toluene-d8	9.57		10		96	70	130			
Surr: 4-Bromofluorobenzene	9.38		10		94	70	130			

Sample Matrix Spike

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

File ID: **15070829.D** Batch ID: **MS09W0708B** Analysis Date: **07/09/2015 02:42**

Sample ID: **15070144-02AGS** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/09/2015 02:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1480	250	2000	0	74	54	143			
Surr: 1,2-Dichloroethane-d4	45.7		50		91	70	130			
Surr: Toluene-d8	49.5		50		99	70	130			
Surr: 4-Bromofluorobenzene	47.5		50		95	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15070830.D** Batch ID: **MS09W0708B** Analysis Date: **07/09/2015 03:08**

Sample ID: **15070144-02AGSD** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/09/2015 03:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1520	250	2000	0	76	54	143	1485	2.6(23)	
Surr: 1,2-Dichloroethane-d4	45.3		50		91	70	130			
Surr: Toluene-d8	49.5		50		99	70	130			
Surr: 4-Bromofluorobenzene	46.9		50		94	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-Jul-15*

QC Summary Report

Work Order: 15070145

Method Blank

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

File ID: **15070808.D** Batch ID: **MS09W0708A** Analysis Date: **07/08/2015 17:56**

Sample ID: **MBLK MS09W0708A** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/08/2015 17:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Surr: 1,2-Dichloroethane-d4	8.83		10		88	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.6		10		96	70	130			

Laboratory Control Spike

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

File ID: **15070806.D** Batch ID: **MS09W0708A** Analysis Date: **07/08/2015 15:39**

Sample ID: **LCS MS09W0708A** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/08/2015 15:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.2	1	10		102	70	130			
Methyl tert-butyl ether (MTBE)	13.7	0.5	10		137	63	137			
Benzene	9.87	0.5	10		99	70	130			
Trichloroethene	9.69	1	10		97	68	138			
Toluene	9.8	0.5	10		98	70	130			
Chlorobenzene	8.59	1	10		86	70	130			
Ethylbenzene	8.44	0.5	10		84	70	130			
m,p-Xylene	8.05	0.5	10		81	65	139			
o-Xylene	8.27	0.5	10		83	70	130			
Surr: 1,2-Dichloroethane-d4	9.68		10		97	70	130			
Surr: Toluene-d8	9.53		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.32		10		93	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-Jul-15

QC Summary Report

Work Order: 15070145

Sample Matrix Spike

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

File ID: **15070827.D** Batch ID: **MS09W0708A** Analysis Date: **07/09/2015 01:52**

Sample ID: **15070144-02AMS** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/09/2015 01:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.4	2.5	50	0	91	62	133			
Methyl tert-butyl ether (MTBE)	68.2	1.3	50	0	136	56	140			
Benzene	49.7	1.3	50	0	99	67	134			
Trichloroethene	49.1	2.5	50	0	98	68	138			
Toluene	49.5	1.3	50	0	99	38	130			
Chlorobenzene	46.2	2.5	50	0	92	70	130			
Ethylbenzene	43.8	1.3	50	0	88	70	130			
m,p-Xylene	42.6	1.3	50	0	85	65	139			
o-Xylene	44.3	1.3	50	0	89	69	130			
Surr: 1,2-Dichloroethane-d4	44.5		50		89	70	130			
Surr: Toluene-d8	49.7		50		99	70	130			
Surr: 4-Bromofluorobenzene	46.4		50		93	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15070828.D** Batch ID: **MS09W0708A** Analysis Date: **07/09/2015 02:17**

Sample ID: **15070144-02AMSD** Units : µg/L Run ID: **MSD_09_150708A** Prep Date: **07/09/2015 02:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	42	2.5	50	0	84	62	133	45.38	7.6(35)	
Methyl tert-butyl ether (MTBE)	63.2	1.3	50	0	126	56	140	68.24	7.7(40)	
Benzene	45.6	1.3	50	0	91	67	134	49.66	8.6(21)	
Trichloroethene	45.2	2.5	50	0	90	68	138	49.08	8.3(20)	
Toluene	45.6	1.3	50	0	91	38	130	49.52	8.2(20)	
Chlorobenzene	42	2.5	50	0	84	70	130	46.16	9.5(20)	
Ethylbenzene	39.7	1.3	50	0	79	70	130	43.82	9.8(20)	
m,p-Xylene	38.7	1.3	50	0	77	65	139	42.56	9.6(20)	
o-Xylene	40	1.3	50	0	80	69	130	44.31	10.2(20)	
Surr: 1,2-Dichloroethane-d4	44.8		50		90	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	47		50		94	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.

AMENDED

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 : STR15070145

Report Due By : 5:00 PM On : 09-Jul-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 # : 04264 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
2 °C	01-Jul-15	08-Jul-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 OG_HEM_W	OG_SGT_W	TPH/P_W	VOC_W					Sample Remarks
STR15070145-01A	MW-1	AQ	06/30/15 10:40	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-02A	MW-2	AQ	06/30/15 10:55	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					
STR15070145-03A	MW-3	AQ	06/30/15 11:25	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					
STR15070145-04A	MW-4	AQ	06/30/15 11:53	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					
STR15070145-05A	MW-5	AQ	06/30/15 11:14	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					
STR15070145-06A	MW-6	AQ	06/30/15 11:05	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					
STR15070145-07A	MW-7	AQ	06/30/15 11:35	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					
STR15070145-08A	MW-8	AQ	06/30/15 11:45	8	0	5	O&G-HEM		GAS-C	8260/Oxys/EDB_Cs					

Comments: Security seals intact. Frozen ice. Amended on 7/8/15 to removed O&G-SGT from samples -02A through -08A due to lab protocol. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	7/8/15 1500

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

WorkOrder : STR15070145

Report Due By : 5:00 PM On : 09-Jul-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 # : 04264 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
2 °C	01-Jul-15	01-Jul-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 OG_HEM_W	OG_SGT_W	TPH/P_W	VOC_W					Sample Remarks
STR15070145-01A	MW-1	AQ	06/30/15 10:40	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-02A	MW-2	AQ	06/30/15 10:55	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-03A	MW-3	AQ	06/30/15 11:25	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-04A	MW-4	AQ	06/30/15 11:53	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-05A	MW-5	AQ	06/30/15 11:14	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-06A	MW-6	AQ	06/30/15 11:05	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-07A	MW-7	AQ	06/30/15 11:35	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15070145-08A	MW-8	AQ	06/30/15 11:45	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	7/01/15 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: 5306766004 5306266008

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

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Consultant/ Client Info:

Company: Stratus
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Grimit Auto
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: T0600100667
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	BTEX	5oxys	1,2 DCA	EDB	Oil + Grease *	Halogenated VOC				Remarks
1040	6/30/15	AQ	STR1507045-01A	MW-1	STD	8		X	X	X	X	X	X	X	X				
1055			-02A	MW-2		8													
1125			-03A	MW-3		8													
1153			-04A	MW-4		8													
1114			-05A	MW-5		8													
1105			-06A	MW-6		8													
1134			-07A	MW-7		8													
1145	6/30/15		-08A	MW-8		8	X		X	X	X	X	X	X	X	X				
				PRESERVED															

ADDITIONAL INSTRUCTIONS: *Oil + Grease Silicagel Cleanup

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
Stratus	6/30/15	1415	Melissa T	6-30-15	1415
				7/01/15	1050

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

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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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 15-04-0248

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Pace Analytical Services, Inc.

Client Project Name: Grimit Auto

Attention: Scott Forbes
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Approved for release on 05/21/2015 by:
Danielle Roberts
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: Grimit Auto
Work Order Number: 15-04-0248

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Work Order Narrative

Work Order: 15-04-0248

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 04/03/15. They were assigned to Work Order 15-04-0248.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Pace Analytical Services, Inc. 2795 2nd Street, Suite 300 Davis, CA 95618-6505	Work Order:	15-04-0248
		Project Name:	Grimit Auto
		PO Number:	DA-1245173
		Date/Time Received:	04/03/15 10:30
		Number of Containers:	2
Attn:	Scott Forbes		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Grim A SYSINF	15-04-0248-1	04/02/15 06:05	1	Air
Grim A EFF	15-04-0248-2	04/02/15 06:00	1	Air

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Detections Summary

Client:	Pace Analytical Services, Inc.	Work Order:	15-04-0248
	2795 2nd Street, Suite 300	Project Name:	Grimit Auto
	Davis, CA 95618-6505	Received:	04/03/15
Attn:	Scott Forbes		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Grim A SYSINF (15-04-0248-1)						
n-Propylbenzene	0.089		0.012	mg/m3	EPA TO-15M	N/A
Benzene	0.26		0.0080	mg/m3	EPA TO-15M	N/A
Ethylbenzene	0.56		0.011	mg/m3	EPA TO-15M	N/A
o-Xylene	0.16		0.011	mg/m3	EPA TO-15M	N/A
p/m-Xylene	1.1		0.043	mg/m3	EPA TO-15M	N/A
Xylenes (total)	1.3		0.011	mg/m3	EPA TO-15M	N/A
Toluene	0.34		0.094	mg/m3	EPA TO-15M	N/A
1,2,4-Trimethylbenzene	0.16		0.037	mg/m3	EPA TO-15M	N/A
TPH as Gasoline	730		7.0	mg/m3	EPA TO-3M	N/A
Grim A EFF (15-04-0248-2)						
Benzene	0.0017		0.0016	mg/m3	EPA TO-15M	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Project: Grimit Auto

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Grim A SYSINF	**15-04-0248-1-A**	**04/02/15 06:05**	**Air**	**GC/MS KKK**	**N/A**	**04/04/15 19:48**	**150404L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	0.26	0.0080	5.00	
Ethylbenzene	0.56	0.011	5.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.036	5.00	
o-Xylene	0.16	0.011	5.00	
p/m-Xylene	1.1	0.043	5.00	
Xylenes (total)	1.3	0.011	1.00	
Tetrachloroethene	ND	0.017	5.00	
Toluene	0.34	0.094	5.00	
Trichloroethene	ND	0.013	5.00	
Vinyl Chloride	ND	0.0064	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	111	57-129	
1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	90	78-156	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Grim A EFF	**15-04-0248-2-A**	**04/02/15 06:00**	**Air**	**GC/MS K**	**N/A**	**04/04/15 05:11**	**150403L02**

Parameter	Result	RL	DF	Qualifiers
Benzene	0.0017	0.0016	1.00	
Ethylbenzene	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Tetrachloroethene	ND	0.0034	1.00	
Toluene	ND	0.019	1.00	
Trichloroethene	ND	0.0027	1.00	
Vinyl Chloride	ND	0.0013	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	113	57-129	
1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	103	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: Grimit Auto

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-5285**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/03/15 17:38**	**150403L02**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Ethylbenzene	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Tetrachloroethene	ND	0.0034	1.00	
Toluene	ND	0.019	1.00	
Trichloroethene	ND	0.0027	1.00	
Vinyl Chloride	ND	0.0013	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	57-129	
1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	104	78-156	

Method Blank	099-12-981-5287	N/A	Air	GC/MS KKK	N/A	04/04/15 18:09	150404L01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Ethylbenzene	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Tetrachloroethene	ND	0.0034	1.00	
Toluene	ND	0.019	1.00	
Trichloroethene	ND	0.0027	1.00	
Vinyl Chloride	ND	0.0013	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	57-129	
1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	93	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: Grimit Auto

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Grim A SYSINF	**15-04-0248-1-A**	**04/02/15 06:05**	**Air**	**GC/MS KKK**	**N/A**	**04/04/15 19:48**	**150404L01**

Parameter	Result	RL	DF	Qualifiers
n-Propylbenzene	0.089	0.012	5.00	
1,2,4-Trimethylbenzene	0.16	0.037	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	111	57-129	
1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	90	78-156	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Grim A EFF	**15-04-0248-2-A**	**04/02/15 06:00**	**Air**	**GC/MS K**	**N/A**	**04/04/15 05:11**	**150403L02**

Parameter	Result	RL	DF	Qualifiers
n-Propylbenzene	ND	0.0025	1.00	
1,2,4-Trimethylbenzene	ND	0.0074	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	113	57-129	
1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	103	78-156	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-5285**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/03/15 17:38**	**150403L02**

Parameter	Result	RL	DF	Qualifiers
n-Propylbenzene	ND	0.0025	1.00	
1,2,4-Trimethylbenzene	ND	0.0074	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	57-129	
1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	104	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: Grimit Auto

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-5287**	**N/A**	**Air**	**GC/MS KKK**	**N/A**	**04/04/15 18:09**	**150404L01**

Parameter	Result	RL	DF	Qualifiers
n-Propylbenzene	ND	0.0025	1.00	
1,2,4-Trimethylbenzene	ND	0.0074	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	57-129	
1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	93	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Project: Grimit Auto

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Grim A SYSINF	**15-04-0248-1-A**	**04/02/15 06:05**	**Air**	**GC 60**	**N/A**	**04/03/15 13:45**	**150403L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	730	7.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Grim A EFF	**15-04-0248-2-A**	**04/02/15 06:00**	**Air**	**GC 60**	**N/A**	**04/03/15 12:49**	**150403L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-6238**	**N/A**	**Air**	**GC 60**	**N/A**	**04/03/15 09:19**	**150403L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Project: Grimit Auto

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-3M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-04-0250-1	**Sample**	**Air**	**GC 60**	**N/A**	**04/03/15 14:53**	**150403D01**
15-04-0250-1	**Sample Duplicate**	**Air**	**GC 60**	**N/A**	**04/03/15 15:09**	**150403D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	22790	22480	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Pace Analytical Services, Inc.	Date Received: 04/03/15
2795 2nd Street, Suite 300	Work Order: 15-04-0248
Davis, CA 95618-6505	Preparation: N/A
	Method: EPA TO-15M
Project: Grimit Auto	Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-5285	LCS	Air	GC/MS K	N/A	04/03/15 15:13	150403L02
099-12-981-5285	LCSD	Air	GC/MS K	N/A	04/03/15 16:01	150403L02

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	0.05939	0.1082	182	0.1039	175	50-150	33-167	4	0-35	X
Benzene	0.07987	0.07398	93	0.07397	93	60-156	44-172	0	0-40	
Benzyl Chloride	0.1294	0.1642	127	0.1554	120	50-150	33-167	5	0-35	
Bromodichloromethane	0.1675	0.1729	103	0.1696	101	50-150	33-167	2	0-35	
Bromoform	0.2584	0.3729	144	0.3657	142	50-150	33-167	2	0-38	
Bromomethane	0.09708	0.1772	182	0.1688	174	50-150	33-167	5	0-35	X
2-Butanone	0.07373	0.07970	108	0.07801	106	50-150	33-167	2	0-35	
Carbon Disulfide	0.07785	0.1428	183	0.1371	176	50-150	33-167	4	0-35	X
Carbon Tetrachloride	0.1573	0.1507	96	0.1502	95	64-154	49-169	0	0-32	
Chlorobenzene	0.1151	0.1093	95	0.1096	95	50-150	33-167	0	0-35	
Chloroethane	0.06596	0.1198	182	0.1164	176	50-150	33-167	3	0-35	X
Chloroform	0.1221	0.1257	103	0.1244	102	50-150	33-167	1	0-35	
Chloromethane	0.05163	0.1023	198	0.09407	182	50-150	33-167	8	0-35	X
Dibromochloromethane	0.2130	0.2307	108	0.2293	108	50-150	33-167	1	0-35	
Dichlorodifluoromethane	0.1236	0.1409	114	0.1425	115	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	0.1045	0.1301	125	0.1287	123	60-140	47-153	1	0-30	
1,1-Dichloroethane	0.1012	0.09854	97	0.09810	97	50-150	33-167	0	0-35	
1,1-Dichloroethene	0.09912	0.1833	185	0.1754	177	50-150	33-167	4	0-35	X
1,2-Dibromoethane	0.1921	0.1940	101	0.1923	100	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	0.1748	0.2761	158	0.2590	148	50-150	33-167	6	0-35	ME
1,2-Dichlorobenzene	0.1503	0.1693	113	0.1700	113	34-160	13-181	0	0-47	
1,2-Dichloroethane	0.1012	0.09848	97	0.09783	97	69-153	55-167	1	0-35	
1,2-Dichloropropane	0.1155	0.1141	99	0.1128	98	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	0.1503	0.1939	129	0.1919	128	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	0.1503	0.1812	121	0.1824	121	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	0.1135	0.1118	99	0.1110	98	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	0.09912	0.08601	87	0.08609	87	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	0.09912	0.09994	101	0.09957	100	50-150	33-167	0	0-35	
t-1,3-Dichloropropene	0.1135	0.1211	107	0.1202	106	50-150	33-167	1	0-35	
Ethanol	0.1884	0.3492	185	0.3382	180	60-140	47-153	3	0-30	X
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.09476	91	0.09565	92	60-140	47-153	1	0-30	
Ethylbenzene	0.1086	0.1068	98	0.1073	99	52-154	35-171	1	0-38	
4-Ethyltoluene	0.1229	0.1383	112	0.1349	110	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	0.2666	0.3730	140	0.3570	134	50-150	33-167	4	0-35	
2-Hexanone	0.1024	0.1024	100	0.1011	99	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.08241	91	0.08311	92	50-150	33-167	1	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Project: Grimit Auto

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-15M

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Methylene Chloride	0.08684	0.1414	163	0.1344	155	50-150	33-167	5	0-35	ME
4-Methyl-2-Pentanone	0.1024	0.1039	101	0.1034	101	50-150	33-167	1	0-35	
Naphthalene	0.1311	0.1404	107	0.1358	104	40-190	15-215	3	0-30	
o-Xylene	0.1086	0.1172	108	0.1178	109	52-148	36-164	1	0-38	
p/m-Xylene	0.2171	0.2741	126	0.2679	123	42-156	23-175	2	0-41	
Styrene	0.1065	0.1034	97	0.1040	98	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.08582	82	0.08612	82	60-140	47-153	0	0-30	
Tert-Butyl Alcohol (TBA)	0.1516	0.2600	172	0.2489	164	60-140	47-153	4	0-30	X
Tetrachloroethene	0.1696	0.1861	110	0.1854	109	56-152	40-168	0	0-40	
Toluene	0.09421	0.09500	101	0.09449	100	56-146	41-161	1	0-43	
Trichloroethene	0.1343	0.1412	105	0.1390	103	63-159	47-175	2	0-34	
Trichlorofluoromethane	0.1405	0.2536	181	0.2428	173	50-150	33-167	4	0-35	X
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.1916	0.3312	173	0.3137	164	50-150	33-167	5	0-35	X,ME
1,1,1-Trichloroethane	0.1364	0.1242	91	0.1244	91	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	0.1364	0.1402	103	0.1374	101	65-149	51-163	2	0-37	
1,3,5-Trimethylbenzene	0.1229	0.1404	114	0.1385	113	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	0.1716	0.1978	115	0.1954	114	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	0.1229	0.1684	137	0.1628	132	50-150	33-167	3	0-35	
1,2,4-Trichlorobenzene	0.1855	0.2202	119	0.2136	115	50-150	33-167	3	0-35	
Vinyl Acetate	0.08803	0.08693	99	0.08550	97	50-150	33-167	2	0-35	
Vinyl Chloride	0.06391	0.1180	185	0.1127	176	45-177	23-199	5	0-36	ME
1,1-Difluoroethane	0.06754	0.07639	113	0.07466	111	60-140	47-153	2	0-30	

Total number of LCS compounds: 58
Total number of ME compounds: 4
Total number of ME compounds allowed: 3
LCS ME CL validation result: 'Not Pass (See Narrative)

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Pace Analytical Services, Inc.
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Project: Grimit Auto

Date Received: 04/03/15
Work Order: 15-04-0248
Preparation: N/A
Method: EPA TO-15M
Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-5287	**LCS**	**Air**	**GC/MS KKK**	**N/A**	**04/04/15 14:41**	**150404L01**
099-12-981-5287	**LCSD**	**Air**	**GC/MS KKK**	**N/A**	**04/04/15 16:25**	**150404L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	0.05939	0.07627	128	0.07620	128	50-150	33-167	0	0-35	
Benzene	0.07987	0.07855	98	0.07979	100	60-156	44-172	2	0-40	
Benzyl Chloride	0.1294	0.1615	125	0.1627	126	50-150	33-167	1	0-35	
Bromodichloromethane	0.1675	0.1777	106	0.1776	106	50-150	33-167	0	0-35	
Bromoform	0.2584	0.2252	87	0.2210	86	50-150	33-167	2	0-38	
Bromomethane	0.09708	0.09417	97	0.09348	96	50-150	33-167	1	0-35	
2-Butanone	0.07373	0.07524	102	0.07547	102	50-150	33-167	0	0-35	
Carbon Disulfide	0.07785	0.08018	103	0.08026	103	50-150	33-167	0	0-35	
Carbon Tetrachloride	0.1573	0.1773	113	0.1789	114	64-154	49-169	1	0-32	
Chlorobenzene	0.1151	0.1141	99	0.1140	99	50-150	33-167	0	0-35	
Chloroethane	0.06596	0.06567	100	0.06475	98	50-150	33-167	1	0-35	
Chloroform	0.1221	0.1223	100	0.1233	101	50-150	33-167	1	0-35	
Chloromethane	0.05163	0.05375	104	0.06344	123	50-150	33-167	17	0-35	
Dibromochloromethane	0.2130	0.2264	106	0.2272	107	50-150	33-167	0	0-35	
Dichlorodifluoromethane	0.1236	0.1297	105	0.1290	104	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	0.1045	0.09955	95	0.1004	96	60-140	47-153	1	0-30	
1,1-Dichloroethane	0.1012	0.1043	103	0.1055	104	50-150	33-167	1	0-35	
1,1-Dichloroethene	0.09912	0.1028	104	0.1023	103	50-150	33-167	0	0-35	
1,2-Dibromoethane	0.1921	0.1949	101	0.1946	101	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	0.1748	0.1360	78	0.1386	79	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	0.1503	0.1463	97	0.1485	99	34-160	13-181	2	0-47	
1,2-Dichloroethane	0.1012	0.1063	105	0.1062	105	69-153	55-167	0	0-35	
1,2-Dichloropropane	0.1155	0.1175	102	0.1192	103	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	0.1503	0.1415	94	0.1420	94	50-150	33-167	0	0-35	
1,4-Dichlorobenzene	0.1503	0.1453	97	0.1458	97	36-156	16-176	0	0-47	
c-1,3-Dichloropropene	0.1135	0.1195	105	0.1200	106	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	0.09912	0.09344	94	0.09454	95	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	0.09912	0.09611	97	0.09509	96	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	0.1135	0.1313	116	0.1328	117	50-150	33-167	1	0-35	
Ethanol	0.1884	0.1762	94	0.1770	94	60-140	47-153	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1074	103	0.1082	104	60-140	47-153	1	0-30	
Ethylbenzene	0.1086	0.1051	97	0.1050	97	52-154	35-171	0	0-38	
4-Ethyltoluene	0.1229	0.1164	95	0.1158	94	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	0.2666	0.2519	94	0.2507	94	50-150	33-167	0	0-35	
2-Hexanone	0.1024	0.1120	109	0.1122	110	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09517	106	0.09609	107	50-150	33-167	1	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Pace Analytical Services, Inc.	Date Received:	04/03/15
2795 2nd Street, Suite 300	Work Order:	15-04-0248
Davis, CA 95618-6505	Preparation:	N/A
	Method:	EPA TO-15M
Project: Grimit Auto		Page 4 of 5

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Methylene Chloride	0.08684	0.07906	91	0.07834	90	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	0.1024	0.1019	100	0.1024	100	50-150	33-167	1	0-35	
Naphthalene	0.1311	0.1355	103	0.1353	103	40-190	15-215	0	0-30	
o-Xylene	0.1086	0.09880	91	0.09704	89	52-148	36-164	2	0-38	
p/m-Xylene	0.2171	0.2050	94	0.2020	93	42-156	23-175	1	0-41	
Styrene	0.1065	0.09898	93	0.09784	92	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1053	101	0.1073	103	60-140	47-153	2	0-30	
Tert-Butyl Alcohol (TBA)	0.1516	0.1559	103	0.1601	106	60-140	47-153	3	0-30	
Tetrachloroethene	0.1696	0.1611	95	0.1637	97	56-152	40-168	2	0-40	
Toluene	0.09421	0.09940	106	0.1006	107	56-146	41-161	1	0-43	
Trichloroethene	0.1343	0.1301	97	0.1314	98	63-159	47-175	1	0-34	
Trichlorofluoromethane	0.1405	0.1343	96	0.1341	95	50-150	33-167	0	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.1916	0.1864	97	0.1862	97	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	0.1364	0.1379	101	0.1383	101	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	0.1364	0.1291	95	0.1303	96	65-149	51-163	1	0-37	
1,3,5-Trimethylbenzene	0.1229	0.1202	98	0.1202	98	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	0.1716	0.1630	95	0.1615	94	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	0.1229	0.1199	98	0.1203	98	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	0.1855	0.1972	106	0.1967	106	50-150	33-167	0	0-35	
Vinyl Acetate	0.08803	0.08126	92	0.08197	93	50-150	33-167	1	0-35	
Vinyl Chloride	0.06391	0.06516	102	0.06570	103	45-177	23-199	1	0-36	
1,1-Difluoroethane	0.06754	0.07996	118	0.08072	120	60-140	47-153	1	0-30	

Total number of LCS compounds: 58
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Pace Analytical Services, Inc.	Date Received:	04/03/15
2795 2nd Street, Suite 300	Work Order:	15-04-0248
Davis, CA 95618-6505	Preparation:	N/A
	Method:	EPA TO-3M
Project: Grimit Auto		Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-6238	**LCS**	**Air**	**GC 60**	**N/A**	**04/03/15 09:07**	**150403L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	829.6	89	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 15-04-0248 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Chain of Custody

Pace Analytical®
www.pacelabs.com

15-04-0248

Workorder: 1245173 **Workorder Name:** Grimit Auto **Results Requested** 4/3/2015

Report / Invoice To	Subcontract To
Scott M Forbes Pace Analytical Davis 2795 Second Street Suite 300 Davis, CA 95618 Phone (530) 297-4800 Email: scott.forbes@pacelabs.com	CSE Attn: Danielle Roberts P.O. DA-1245173

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Other	Requested Analysis: BTEX, MTBE, TPH-GRO	Requested Analysis: VOA (PCE, TCE, Vinyl Chloride)	LAB USE ONLY
1	Grim A SYSINF	4/2/2015 06:05	1245173001	Air	1	X	X	
2	Grim A EFF	4/2/2015 06:00	1245173002	Air	1	X	X	
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	PACE Analytical	040215 1900	[illegible]	4/3/15 1030
2				
3				

Comments

MTBE @ 0.5 ppb
Effluent on 24hr. TAT.

Cooler Temperature on Receipt ____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

OnTrac
On Time Delivery For Less

800.334.5000
ontrac.com

0248

D10010774499309

Date Printed 4/2/2015

Tracking#D10010774499309

Shipped From:
PACE ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95618

Sent By: SAMPLE RECEIVINGX125
Phone#: (530)297-4800
wgt(lbs): 2
Reference: SUB 1245173
Reference 2: 600

Ship To Company:	*Service:* **S**
CALSCIENCE ENVIRONMENTAL LABS **7440 LINCOLN WAY** **GARDEN GROVE, CA 92841** **SAMPLE RECEIVING (714)895-5494**	*Sort Code:* **ORG** *Special Services:* **Signature Required**

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WORK ORDER NUMBER: 15-04- 0248

SAMPLE RECEIPT CHECKLIST

BOX 1 OF 1

CLIENT: Pace Analytical

DATE: 04 / 03 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF: -0.3°C) Temperature (w/o CF): _____°C (w/ CF): _____°C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☑ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Box ☑ Present and Intact ☐ Not Intact ☐ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Not Intact ☑ Not Present ☐ N/A Checked by: 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE: (Trip Blank Lot Number: ECI_____)

Aqueous: ☐VOA ☐VOAh ☐VOA**na$_2$** ☐100PJ ☐100PJ**na$_2$** ☐125AGB ☐125AGBh ☐125AGB**p** ☐125PB ☐125PB**znna** ☐250AGB ☐250CGB ☐250CGBs ☐250PB ☐250PBn ☐500AGB ☐500AGJ ☐500AGJs ☐500PB ☐1AGB ☐1AGB**na$_2$** ☐1AGBs ☐1PB ☐1PB**na** ☐_____ ☐_____ ☐_____ ☐_____

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐16ozPJ ☐Sleeve (____) ☐EnCores® ( ) ☐TerraCores® ( ) ☐_____

Air: ☑Tedlar® ☐Canister ☐Sorbent Tube ☐PUF ☐_____ **Other Matrix** (_____): ☐_____ ☐_____

Container: **A**=Amber, **B**=Bottle, **C**=Clear, **E**=Envelope, **G**=Glass, **J**=Jar, **P**=Plastic, and **Z**= Ziploc/Resealable Bag

Preservative: **b**=buffered **f**=filtered, **h**=HCl, **n**=HNO_3, **na**=NaOH, **na$_2$**=$Na_2S_2O_3$, **p**=H_3PO_4, **s**=H_2SO_4, **u**=ultra-pure, **znna**=$Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 836

Reviewed by: JD

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KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 245173

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Debbie	California EDF Report? ☐ Yes ☐ No
Company / Address: Stantec 3730 Chamon Pkwy	Sampling Company Log Code:
Phone #: 530 676 6004	Fax #: 530 676 6005
Global ID: T0600100667	
Project #:	P.O. #:
EDF Deliverable To (Email Address):	
Project Name: Grimit Auto	Sampler Signature:
Project Address: Oakland	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	Vinyl Chloride, PCE, TCE			TAT	For Lab Use Only
Grim A SVSIWF	4/15	0600					X			X			X		X	X	X												X	X			STD	001
Grim A EFF	4/15	0600					X			X			X		X	X	X												X				24	002

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 1 wk

Relinquished by:	Date	Time	Received by:
	4/15	07/49	Pace
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks: 24 HR TAT EFF Std on SVS Inf

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

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: Shaw

Project #: WO# : 1245173

1245173

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 ☐ DA2285 **Type of Ice:** ☐ Wet ☐ Blue ☐ Dry Ice ☒ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read(°C): NA **Cooler Temp Corrected(°C):** NA **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** NA **Date and Initials of Person Examining Contents:** WAS 040215

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1. Fedlav 5 1027864-042-05
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
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?	☒ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: _____				
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: Scott Tew **Date:** 4/02/15

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)

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 : 04/03/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W INF**					
Lab ID :	STR15040343-01A	TPH-P (GRO)	92	50 µg/L	04/07/15	04/07/15
Date Sampled	04/02/15 06:20					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15040343-02A	TPH-P (GRO)	ND	50 µg/L	04/07/15	04/07/15
Date Sampled	04/02/15 06:15					

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

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

4/10/15
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15040343-01A
Client I.D. Number: Grim W INF

Sampled: 04/02/15 06:20
Received: 04/03/15
Extracted: 04/07/15
Analyzed: 04/07/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	0.61	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	0.92	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	Tetrachloroethene	ND	1.0 µg/L
30	Chlorobenzene	ND	1.0 µg/L
31	Ethylbenzene	1.2	0.50 µg/L
32	m,p-Xylene	8.3	0.50 µg/L
33	Bromoform	ND	1.0 µg/L
34	o-Xylene	1.9	0.50 µg/L
35	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
36	1,3-Dichlorobenzene	ND	1.0 µg/L
37	1,4-Dichlorobenzene	ND	1.0 µg/L
38	1,2-Dichlorobenzene	ND	1.0 µg/L
39	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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4/10/15
Report Date

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
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15040343-02A
Client I.D. Number: Grim W GAC1

Sampled: 04/02/15 06:15
Received: 04/03/15
Extracted: 04/07/15
Analyzed: 04/07/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	Tetrachloroethene	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Chlorobenzene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Ethylbenzene	ND	0.50 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	m,p-Xylene	ND	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	Bromoform	ND	1.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	o-Xylene	ND	0.50 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,3-Dichlorobenzene	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,4-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L	38	1,2-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	Naphthalene	ND	2.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L				
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	ND	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

ND = Not Detected

Roger Scholl Randy Gardner

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ACLASS ACCREDITED DoD ELAP

4/10/15
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: STR15040343 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15040343-01A	Grim W INF	Aqueous	2
15040343-02A	Grim W GAC1	Aqueous	2

4/10/15

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: *08-Apr-15*

QC Summary Report

Work Order: 15040343

Method Blank

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

File ID: **15040708.D** Batch ID: **MS09W0407B** Analysis Date: **04/07/2015 13:06**

Sample ID: **MBLK MS09W0407B** Units : **µg/L** Run ID: **MSD_09_150407A** Prep Date: **04/07/2015 13:06**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	9.49		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.94		10		99	70	130			

Laboratory Control Spike

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

File ID: **15040707.D** Batch ID: **MS09W0407B** Analysis Date: **04/07/2015 12:40**

Sample ID: **GLCS MS09W0407B** Units : **µg/L** Run ID: **MSD_09_150407A** Prep Date: **04/07/2015 12:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	425	50	400		106	70	130			
Surr: 1,2-Dichloroethane-d4	10.4		10		104	70	130			
Surr: Toluene-d8	9.25		10		93	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Sample Matrix Spike

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

File ID: **15040721.D** Batch ID: **MS09W0407B** Analysis Date: **04/07/2015 18:13**

Sample ID: **15040344-07AGS** Units : **µg/L** Run ID: **MSD_09_150407A** Prep Date: **04/07/2015 18:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2620	250	2000	0	131	54	143			
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	45.5		50		91	70	130			
Surr: 4-Bromofluorobenzene	49.3		50		99	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15040722.D** Batch ID: **MS09W0407B** Analysis Date: **04/07/2015 18:37**

Sample ID: **15040344-07AGSD** Units : **µg/L** Run ID: **MSD_09_150407A** Prep Date: **04/07/2015 18:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2240	250	2000	0	112	54	143	2623	15.9(23)	
Surr: 1,2-Dichloroethane-d4	51.5		50		103	70	130			
Surr: Toluene-d8	46.5		50		93	70	130			
Surr: 4-Bromofluorobenzene	49.1		50		98	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: 08-Apr-15

QC Summary Report

Work Order: 15040343

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15040708.D Batch ID: MS09W0407A Analysis Date: 04/07/2015 13:06

Sample ID: MBLK MS09W0407A Units : µg/L Run ID: MSD_09_150407A Prep Date: 04/07/2015 13:06

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	9.49		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.94		10		99	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15040706.D Batch ID: MS09W0407A Analysis Date: 04/07/2015 12:15

Sample ID: LCS MS09W0407A Units : µg/L Run ID: MSD_09_150407A Prep Date: 04/07/2015 12:15

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.79	1	10		98	80	120			
Methyl tert-butyl ether (MTBE)	7.44	0.5	10		74	63	137			
Benzene	10.7	0.5	10		107	70	130			
Trichloroethene	10.6	1	10		106	68	138			
Toluene	11.2	0.5	10		112	80	120			
Chlorobenzene	10.5	1	10		105	70	130			
Ethylbenzene	11.1	0.5	10		111	80	120			
m,p-Xylene	10.1	0.5	10		101	65	139			
o-Xylene	10.1	0.5	10		101	70	130			
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	9.14		10		91	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	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: 08-Apr-15

QC Summary Report

Work Order: 15040343

Sample Matrix Spike

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

File ID: **15040719.D** Batch ID: **MS09W0407A** Analysis Date: **04/07/2015 17:26**

Sample ID: **15040344-07AMS** Units : µg/L Run ID: **MSD_09_150407A** Prep Date: **04/07/2015 17:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	48.9	2.5	50	0	98	62	133			
Methyl tert-butyl ether (MTBE)	46.6	1.3	50	0	93	56	140			
Benzene	58.2	1.3	50	0	116	67	134			
Trichloroethene	56.8	2.5	50	0	114	68	138			
Toluene	61.8	1.3	50	0	124	38	130			
Chlorobenzene	55.9	2.5	50	0	112	70	130			
Ethylbenzene	58.3	1.3	50	0	117	70	130			
m,p-Xylene	52.5	1.3	50	0	105	65	139			
o-Xylene	53.6	1.3	50	0	107	69	130			
Surr: 1,2-Dichloroethane-d4	59.7		50		119	70	130			
Surr: Toluene-d8	43.1		50		86	70	130			
Surr: 4-Bromofluorobenzene	46		50		92	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15040720.D** Batch ID: **MS09W0407A** Analysis Date: **04/07/2015 17:50**

Sample ID: **15040344-07AMSD** Units : µg/L Run ID: **MSD_09_150407A** Prep Date: **04/07/2015 17:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.1	2.5	50	0	100	62	133	48.86	2.6(35)	
Methyl tert-butyl ether (MTBE)	47.5	1.3	50	0	95	56	140	46.55	1.9(40)	
Benzene	57.7	1.3	50	0	115	67	134	58.19	0.8(21)	
Trichloroethene	56.5	2.5	50	0	113	68	138	56.79	0.6(20)	
Toluene	59.8	1.3	50	0	120	38	130	61.77	3.2(20)	
Chlorobenzene	56.3	2.5	50	0	113	70	130	55.93	0.6(20)	
Ethylbenzene	58.2	1.3	50	0	116	70	130	58.34	0.3(20)	
m,p-Xylene	52.6	1.3	50	0	105	65	139	52.49	0.1(20)	
o-Xylene	53.5	1.3	50	0	107	69	130	53.56	0.1(20)	
Surr: 1,2-Dichloroethane-d4	55.5		50		111	70	130			
Surr: Toluene-d8	44.3		50		89	70	130			
Surr: 4-Bromofluorobenzene	47.3		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.

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 : STR15040343

Report Due By : 5:00 PM On : 10-Apr-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 # : 16149 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
2 °C	03-Apr-15	03-Apr-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
STR15040343-01A	Grim W INF	AQ	04/02/15 06:20	6	0	5	GAS-C	8260/OXYS/ NAPH_Cs							
STR15040343-02A	Grim W GAC1	AQ	04/02/15 06:15	6	0	5	GAS-C	8260/OXYS/ NAPH_Cs							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	4/3/15 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: 3338 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 530 676 6000 Fax: 530 676 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

16149

Page # 1 of 1

Consultant/ Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Summit Auto
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: T0600100667
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: BTEX	MTBE	1,2 DCA	Naphthalene	VOCs *	Remarks
0620	4/3	AQ	15K1504343-01A	Grab W Inf	STD	6		X	X	X	X	X	X	
0615	1	1	-02A	Grab W Gal	STD	6		X	X	X	X	X	X	
0610	4/3	AQ		Grab W Eff	24	6		X	X	X	X	X	X	

ADDITIONAL INSTRUCTIONS:

* VOCs including PCE, TCE, Vinyl chloride

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: CHelm

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Stantec				4/3/15	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 : 04/03/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W EFF**					
Lab ID :	STR15040341-01A	TPH-P (GRO)	ND	50 µg/L	04/03/15	04/03/15
Date Sampled	04/02/15 06:10					

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

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

4/3/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15040341-01A
Client I.D. Number: Grim W EFF

Sampled: 04/02/15 06:10
Received: 04/03/15
Extracted: 04/03/15
Analyzed: 04/03/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	Tetrachloroethene	ND	1.0 µg/L
30	Chlorobenzene	ND	1.0 µg/L
31	Ethylbenzene	ND	0.50 µg/L
32	m,p-Xylene	ND	0.50 µg/L
33	Bromoform	ND	1.0 µg/L
34	o-Xylene	ND	0.50 µg/L
35	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
36	1,3-Dichlorobenzene	ND	1.0 µg/L
37	1,4-Dichlorobenzene	ND	1.0 µg/L
38	1,2-Dichlorobenzene	ND	1.0 µg/L
39	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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.

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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

4/3/15
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: STR15040341 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15040341-01A	Grim W EFF	Aqueous	2

4/3/15

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: *07-Apr-15*

QC Summary Report

Work Order: 15040341

Method Blank

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

File ID: **15040304.D** Batch ID: **MS15W0403B** Analysis Date: **04/03/2015 11:18**

Sample ID: **MBLK MS15W0403B** Units : **µg/L** Run ID: **MSD_15_150403B** Prep Date: **04/03/2015 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.32		10		93	70	130			
Surr: Toluene-d8	9.9		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.6		10		96	70	130			

Laboratory Control Spike

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

File ID: **15040303.D** Batch ID: **MS15W0403B** Analysis Date: **04/03/2015 10:49**

Sample ID: **GLCS MS15W0403B** Units : **µg/L** Run ID: **MSD_15_150403B** Prep Date: **04/03/2015 10:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	382	50	400		96	70	130			
Surr: 1,2-Dichloroethane-d4	8.81		10		88	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.88		10		99	70	130			

Sample Matrix Spike

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

File ID: **15040312.D** Batch ID: **MS15W0403B** Analysis Date: **04/03/2015 14:33**

Sample ID: **15040244-02AGS** Units : **µg/L** Run ID: **MSD_15_150403B** Prep Date: **04/03/2015 14:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2520	250	2000	0	126	54	143			
Surr: 1,2-Dichloroethane-d4	49.5		50		99	70	130			
Surr: Toluene-d8	48.2		50		96	70	130			
Surr: 4-Bromofluorobenzene	46.5		50		93	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15040313.D** Batch ID: **MS15W0403B** Analysis Date: **04/03/2015 14:57**

Sample ID: **15040244-02AGSD** Units : **µg/L** Run ID: **MSD_15_150403B** Prep Date: **04/03/2015 14:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2470	250	2000	0	124	54	143	2522	2.0(23)	
Surr: 1,2-Dichloroethane-d4	51		50		102	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	46.5		50		93	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: 07-Apr-15

QC Summary Report

Work Order: 15040341

Method Blank

File ID: **15040304.D**

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

Batch ID: **MS15W0403A** Analysis Date: **04/03/2015 11:18**

Sample ID: **MBLK MS15W0403A** Units : **µg/L** Run ID: **MSD_15_150403B** Prep Date: **04/03/2015 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.32		10		93	70	130			
Surr: Toluene-d8	9.9		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.6		10		96	70	130			

Laboratory Control Spike

File ID: **15040302.D**

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

Batch ID: **MS15W0403A** Analysis Date: **04/03/2015 10:11**

Sample ID: **LCS MS15W0403A** Units : **µg/L** Run ID: **MSD_15_150403B** Prep Date: **04/03/2015 10:11**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.34	1	10		93	80	120			
Methyl tert-butyl ether (MTBE)	10.3	0.5	10		103	63	137			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	9.92	1	10		99	68	138			
Toluene	9.5	0.5	10		95	80	120			
Chlorobenzene	9.5	1	10		95	70	130			
Ethylbenzene	9.72	0.5	10		97	80	120			
m,p-Xylene	9.92	0.5	10		99	65	139			
o-Xylene	10.2	0.5	10		102	70	130			
Surr: 1,2-Dichloroethane-d4	9.69		10		97	70	130			
Surr: Toluene-d8	9.71		10		97	70	130			
Surr: 4-Bromofluorobenzene	9.54		10		95	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: *07-Apr-15*

QC Summary Report

Work Order: 15040341

Sample Matrix Spike

File ID: **15040310.D** Type **MS** Test Code: **EPA Method 624/8260**

Sample ID: **15040244-02AMS** Units : µg/L Batch ID: **MS15W0403A** Run ID: **MSD_15_150403B** Analysis Date: **04/03/2015 13:44** Prep Date: **04/03/2015 13:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	48.2	2.5	50	0	96	62	133			
Methyl tert-butyl ether (MTBE)	61.3	1.3	50	2.73	117	56	140			
Benzene	52.7	1.3	50	0	105	67	134			
Trichloroethene	51.1	2.5	50	0	102	68	138			
Toluene	51.5	1.3	50	0	103	38	130			
Chlorobenzene	50.4	2.5	50	0	101	70	130			
Ethylbenzene	51.1	1.3	50	0	102	70	130			
m,p-Xylene	54.4	1.3	50	0.66	107	65	139			
o-Xylene	55.3	1.3	50	0.61	109	69	130			
Surr: 1,2-Dichloroethane-d4	49.9		50		99.8	70	130			
Surr: Toluene-d8	48.4		50		97	70	130			
Surr: 4-Bromofluorobenzene	46.9		50		94	70	130			

Sample Matrix Spike Duplicate

File ID: **15040311.D** Type **MSD** Test Code: **EPA Method 624/8260**

Sample ID: **15040244-02AMSD** Units : µg/L Batch ID: **MS15W0403A** Run ID: **MSD_15_150403B** Analysis Date: **04/03/2015 14:09** Prep Date: **04/03/2015 14:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	48.3	2.5	50	0	97	62	133	48.18	0.3(35)	
Methyl tert-butyl ether (MTBE)	58.7	1.3	50	2.73	112	56	140	61.28	4.3(40)	
Benzene	52	1.3	50	0	104	67	134	52.66	1.2(21)	
Trichloroethene	50.3	2.5	50	0	101	68	138	51.06	1.5(20)	
Toluene	49.7	1.3	50	0	99	38	130	51.49	3.6(20)	
Chlorobenzene	50.4	2.5	50	0	101	70	130	50.43	0.1(20)	
Ethylbenzene	50.2	1.3	50	0	100	70	130	51.08	1.8(20)	
m,p-Xylene	52.2	1.3	50	0.66	103	65	139	54.35	4.0(20)	
o-Xylene	53.6	1.3	50	0.61	106	69	130	55.26	3.1(20)	
Surr: 1,2-Dichloroethane-d4	49.3		50		99	70	130			
Surr: Toluene-d8	48.8		50		98	70	130			
Surr: 4-Bromofluorobenzene	46.1		50		92	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.

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 : STR15040341
Report Due By : 5:00 PM On : 03-Apr-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

Cooler Temp	Samples Received	Date Printed
2 °C	03-Apr-15	03-Apr-15

PO :

Client's COC # : 16149 Job : Grimit Auto

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
STR15040341-01A	Grim W EFF	AQ	04/02/15 06:10	6	0	0	GAS-C	8260/OXYS/ NAPH_Cs							

Comments: ASAP TAT. Security seals intact. Frozen ice. Chain split due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	4/3/15 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: 3338 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 530 676 6444 Fax: 530 676 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:

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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

16149

Page # 1 of 1

Consultant/ Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Summit Auto
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: T0600100667
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	BTEX	MTBE	1,2 DCA	Naphthalene	VOCs *	Remarks
0625	4/2	AQ		Grab W INF	STD	6		X	X	X	X	X	X	X	
0615	1	1		Grab W GAC1	STD	6		X	X	X	X	X	X	X	
0610	4/2	AQ	R1504341-01A	Grab W EFF	24	6		X	X	X	X	X	X	X	

ADDITIONAL INSTRUCTIONS:

* VOCs including PCE, TCE, Vinyl chloride

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: Chris

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Chris Stratton				4/3/15	950

* 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 : 05/06/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A Sys INF**					
Lab ID :	STR15050648-01A	TPH-P (GRO)	48	20 mg/m³	05/07/15 10:48	05/12/15
Date Sampled	05/05/15 08:58					

Gasoline Range Organics (GRO) C4-C13
Note: Concentrations of air in a Tedlar Bag are at 25 degrees Celsius and 25.40 inches of mercury.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

5/13/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15050648-01A
Client I.D. Number: Grim A Sys INF

Sampled: 05/05/15 08:58
Received: 05/06/15
Extracted: 05/07/15 10:48
Analyzed: 05/12/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,2-Dichloroethane	ND	0.40 mg/m³
17	1,1,1-Trichloroethane	ND	0.40 mg/m³
18	Carbon tetrachloride	ND	0.40 mg/m³
19	Benzene	ND	0.20 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
21	1,2-Dichloropropane	ND	0.40 mg/m³
22	Trichloroethene	ND	0.40 mg/m³
23	Bromodichloromethane	ND	0.40 mg/m³
24	cis-1,3-Dichloropropene	ND	0.40 mg/m³
25	trans-1,3-Dichloropropene	ND	0.40 mg/m³
26	1,1,2-Trichloroethane	ND	0.40 mg/m³
27	Toluene	ND	0.20 mg/m³
28	Dibromochloromethane	ND	0.40 mg/m³
29	1,2-Dibromoethane (EDB)	ND	0.80 mg/m³
30	Tetrachloroethene	ND	0.40 mg/m³
31	Chlorobenzene	ND	0.40 mg/m³
32	Ethylbenzene	ND	0.20 mg/m³
33	m,p-Xylene	ND	0.20 mg/m³
34	Bromoform	ND	0.40 mg/m³
35	o-Xylene	ND	0.20 mg/m³
36	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
37	n-Propylbenzene	ND	0.40 mg/m³
38	1,2,4-Trimethylbenzene	ND	0.40 mg/m³
39	1,3-Dichlorobenzene	ND	0.40 mg/m³
40	1,4-Dichlorobenzene	ND	0.40 mg/m³
41	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 25 degrees Celsius and 25.40 inches of mercury.
This replaces the report signed 5/13/15 due to a change in the analyte list, per client request.

ND = Not Detected

Roger Scholl Randy Gardner

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5/19/15
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-May-15*

QC Summary Report

Work Order: 15050648

Method Blank

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

File ID: **15051210.D** Batch ID: **MS08A0512B** Analysis Date: **05/12/2015 15:46**

Sample ID: **MBLK MS08A0512B** Units : **mg/m³** Run ID: **MSD_08_150512A** Prep Date: **05/12/2015 15:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.45		2		73	70	130			
Surr: Toluene-d8	2.48		2		124	70	130			
Surr: 4-Bromofluorobenzene	1.46		2		73	70	130			

Laboratory Control Spike

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

File ID: **15051207.D** Batch ID: **MS08A0512B** Analysis Date: **05/12/2015 14:21**

Sample ID: **GLCS MS08A0512B** Units : **mg/m³** Run ID: **MSD_08_150512A** Prep Date: **05/12/2015 14:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	363	10	400		91	70	130			
Surr: 1,2-Dichloroethane-d4	7.34		10		73	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	12.1		10		121	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.

Alpha Analytical, Inc.

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

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

Date: 19-May-15

QC Summary Report

Work Order: 15050648

Method Blank

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

File ID: **15051210.D** Batch ID: **MS08A0512A** Analysis Date: **05/12/2015 15:46**

Sample ID: **MBLK MS08A0512A** Units : **mg/m³** Run ID: **MSD_08_150512A** Prep Date: **05/12/2015 15:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.45		2		73	70	130			
Surr: Toluene-d8	2.48		2		124	70	130			
Surr: 4-Bromofluorobenzene	1.46		2		73	70	130			

Laboratory Control Spike

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

File ID: **15051206.D** Batch ID: **MS08A0512A** Analysis Date: **05/12/2015 13:56**

Sample ID: **LCS MS08A0512A** Units : **mg/m³** Run ID: **MSD_08_150512A** Prep Date: **05/12/2015 13:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.22	0.2	10		82	80	120			
Methyl tert-butyl ether (MTBE)	7.89	0.1	10		79	63	137			
Benzene	10.7	0.1	10		107	70	130			
Trichloroethene	9.78	0.2	10		98	68	138			
Toluene	12	0.1	10		120	80	120			
Chlorobenzene	11	0.2	10		110	70	130			
Ethylbenzene	10.8	0.1	10		108	80	120			
m,p-Xylene	11.1	0.1	10		111	65	139			
o-Xylene	10.7	0.1	10		107	70	130			
Surr: 1,2-Dichloroethane-d4	7.65		10		77	70	130			
Surr: Toluene-d8	10.9		10		109	70	130			
Surr: 4-Bromofluorobenzene	11.3		10		113	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: *19-May-15*

QC Summary Report

Work Order: 15050648

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 AMENDED

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

WorkOrder : STR15050648

Report Due By : 5:00 PM On : 13-May-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 # : 12206 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
N/A °C	06-May-15	18-May-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_A	VOC_A							Sample Remarks
STR15050648-01A	Grim A Sys INF	AR	05/05/15 08:58	1	0	5	GAS-N/C	8260/Oxys_S							Tedlar.

Comments: Security seals intact. Ice N/A. Chain split due to different TAT's. Amended 5/18/15 to add n-Propylbenzene and 1,2,4-Trimethylbenzene, per Debra. RV :

	Signature	Print Name	Company	Date/Time
Logged in by:	Reyna Vallejo	Reyna Vallejo	Alpha Analytical, Inc.	5/18/15 12:30

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

WorkOrder : STR15050648

Report Due By : 5:00 PM On : 13-May-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 # : 12206 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
N/A °C	06-May-15	06-May-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_A	VOC_A							Sample Remarks
STR15050648-01A	Grim A Sys INF	AR	05/05/15 08:58	1	0	5	GAS-N/C	8260/Oxys_S							Tedlar.

Comments: Security seals intact, Ice N/A, Chain split due to different TAT's. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	Alpha Analytical, Inc.	5/6/15 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: Straub
Attn: Debbie
Address: 3330 Cameron Pk
City, State, Zip: Cameron Pk
Phone Number: 5306766005 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

12206

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

Job and Purchase Order Info:
Job #:
Job Name: Grimit Auto
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)	GRO	BTEX	MTBE	VOCS*	Remarks
[illegible]	5-5-15	AR	STR150506048-01A	Grim A Sys INF	STD	N	1	X	X	X	X	* VOCs Including PCE, TCE, Vinylchloride, Chlorobenzene
0855	5-5-15	AR		Grim A EFF	24	N	1	X	X	X	X	

ADDITIONAL INSTRUCTIONS:
24 HR TAT on EFF

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: CMC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Straub	5-5-15	1345	Melyssa T	5-5-15	1345
			[signature]	5/10/15	1000

* 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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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 : 05/06/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A EFF**					
Lab ID :	STR15050644-01A	TPH-P (GRO)	ND	20 mg/m³	05/06/15 11:13	05/06/15
Date Sampled	05/05/15 08:55					

Gasoline Range Organics (GRO) C4-C13
Note: Concentrations of air in a Tedlar Bag are at 29 degrees Celsius and 25.42 inches of mercury.
ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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5/6/15
Report Date

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
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15050644-01A
Client I.D. Number: Grim A EFF

Sampled: 05/05/15 08:55
Received: 05/06/15
Extracted: 05/06/15 11:13
Analyzed: 05/06/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,2-Dichloroethane	ND	0.40 mg/m³
17	1,1,1-Trichloroethane	ND	0.40 mg/m³
18	Carbon tetrachloride	ND	0.40 mg/m³
19	Benzene	ND	0.20 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
21	1,2-Dichloropropane	ND	0.40 mg/m³
22	Trichloroethene	ND	0.40 mg/m³
23	Bromodichloromethane	ND	0.40 mg/m³
24	cis-1,3-Dichloropropene	ND	0.40 mg/m³
25	trans-1,3-Dichloropropene	ND	0.40 mg/m³
26	1,1,2-Trichloroethane	ND	0.40 mg/m³
27	Toluene	ND	0.20 mg/m³
28	Dibromochloromethane	ND	0.40 mg/m³
29	1,2-Dibromoethane (EDB)	ND	0.80 mg/m³
30	Tetrachloroethene	ND	0.40 mg/m³
31	Chlorobenzene	ND	0.40 mg/m³
32	Ethylbenzene	ND	0.20 mg/m³
33	m,p-Xylene	ND	0.20 mg/m³
34	Bromoform	ND	0.40 mg/m³
35	o-Xylene	ND	0.20 mg/m³
36	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
37	1,3-Dichlorobenzene	ND	0.40 mg/m³
38	1,4-Dichlorobenzene	ND	0.40 mg/m³
39	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 29 degrees Celsius and 25.42 inches of mercury.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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ACCREDITED ACLASS DoD ELAP

5/6/15
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: *11-May-15*

QC Summary Report

Work Order: 15050644

Method Blank

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

File ID: **15050606.D** Batch ID: **MS08A0506B** Analysis Date: **05/06/2015 12:14**

Sample ID: **MBLK MS08A0506B** Units : **mg/m³** Run ID: **MSD_08_150506C** Prep Date: **05/06/2015 12:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.98		2		99	70	130			
Surr: Toluene-d8	2.22		2		111	70	130			
Surr: 4-Bromofluorobenzene	2		2		100	70	130			

Laboratory Control Spike

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

File ID: **15050603.D** Batch ID: **MS08A0506B** Analysis Date: **05/06/2015 10:49**

Sample ID: **GLCS MS08A0506B** Units : **mg/m³** Run ID: **MSD_08_150506C** Prep Date: **05/06/2015 10:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	443	10	400		111	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9		10		90	70	130			
Surr: 4-Bromofluorobenzene	12.5		10		125	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.

Alpha Analytical, Inc.

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

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

Date: 11-May-15

QC Summary Report

Work Order: 15050644

Method Blank

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

File ID: **15050606.D** Batch ID: **MS08A0506A** Analysis Date: **05/06/2015 12:14**

Sample ID: **MBLK MS08A0506A** Units : **mg/m³** Run ID: **MSD_08_150506C** Prep Date: **05/06/2015 12:14**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.98		2		99	70	130			
Surr: Toluene-d8	2.22		2		111	70	130			
Surr: 4-Bromofluorobenzene	2		2		100	70	130			

Laboratory Control Spike

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

File ID: **15050602.D** Batch ID: **MS08A0506A** Analysis Date: **05/06/2015 10:21**

Sample ID: **LCS MS08A0506A** Units : **mg/m³** Run ID: **MSD_08_150506C** Prep Date: **05/06/2015 10:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.61	0.2	10		96	80	120			
Methyl tert-butyl ether (MTBE)	9.24	0.1	10		92	63	137			
Benzene	10.2	0.1	10		102	70	130			
Trichloroethene	8.74	0.2	10		87	68	138			
Toluene	9.68	0.1	10		97	80	120			
Chlorobenzene	8.78	0.2	10		88	70	130			
Ethylbenzene	9.43	0.1	10		94	80	120			
m,p-Xylene	8.88	0.1	10		89	65	139			
o-Xylene	8.56	0.1	10		86	70	130			
Surr: 1,2-Dichloroethane-d4	10.9		10		109	70	130			
Surr: Toluene-d8	9.67		10		97	70	130			
Surr: 4-Bromofluorobenzene	12.2		10		122	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: *11-May-15*

QC Summary Report

Work Order: 15050644

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 : STR15050644
Report Due By : 5:00 PM On : 06-May-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 # : 12206 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
N/A °C	06-May-15	06-May-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_A	VOC_A							Sample Remarks
STR15050644-01A	Grim A EFF	AR	05/05/15 08:55	1	0	0	GAS-N/C	8260/Oxys_S							Tedlar.

Comments: ASAP TAT. Security seals intact. Ice N/A. Chain split due to different TAT's. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	5/6/15 1040

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: Vrabel
Address: 3330 Cameron Pk
City, State, Zip: Cameron Pk
Phone Number: 530-676-6005 Fax: 530-676-6005

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 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

12206

Page # 1 of 1

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

Job and Purchase Order Info:
Job #
Job Name: Grimm Auto
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 II or IV

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

Time Sampled (HH:MM)	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: 8260	BTEX	MTBE	VOCs	Remarks
~~0858~~	5/5	AR		Grimm A SVE INF	STD	N	1	X	X	X	X	* VOCs
0857	5/5	AR	SR15050044-01A	Grimm A EFF	24	N	1	X	X	X	X	Including PCE, TCE, Vinyl Chloride, Chlorobenzene

ADDITIONAL INSTRUCTIONS:
24 HR TAT ON EFF

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 445.0835 (c) (2).

Sampled By: SMC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
SMC Stratus	5/5/15	1345	[illegible]	5/5/15	1345
			[illegible]	5/6/15	1000

* 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 : 05/06/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W INF**					
Lab ID :	STR15050652-01A	TPH-P (GRO)	ND	50 µg/L	05/11/15	05/11/15
Date Sampled	05/05/15 09:20					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15050652-02A	TPH-P (GRO)	ND	50 µg/L	05/08/15	05/08/15
Date Sampled	05/05/15 09:15					

Gasoline Range Organics (GRO) C4-C13

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

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

5/13/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15050652-01A
Client I.D. Number: Grim W INF

Sampled: 05/05/15 09:20
Received: 05/06/15
Extracted: 05/11/15
Analyzed: 05/11/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	1.1	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L
40	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl — Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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5/13/15
Report Date

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
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15050652-02A
Client I.D. Number: Grim W GAC1

Sampled: 05/05/15 09:15
Received: 05/06/15
Extracted: 05/08/15
Analyzed: 05/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L
40	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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ACCLASS ACCREDITED DoD ELAP

5/13/15
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: STR15050652 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15050652-01A	Grim W INF	Aqueous	2
15050652-02A	Grim W GAC1	Aqueous	2

5/13/15

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-May-15*

QC Summary Report

Work Order: 15050652

Method Blank

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

File ID: **15050806.D** Batch ID: **MS15W0508B** Analysis Date: **05/08/2015 12:17**

Sample ID: **MBLK MS15W0508B** Units : **µg/L** Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 12:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.51		10		85	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	9.46		10		95	70	130			

Laboratory Control Spike

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

File ID: **15050804.D** Batch ID: **MS15W0508B** Analysis Date: **05/08/2015 11:20**

Sample ID: **GLCS MS15W0508B** Units : **µg/L** Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 11:20**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	350	50	400		87	70	130			
Surr: 1,2-Dichloroethane-d4	8.11		10		81	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	9.72		10		97	70	130			

Sample Matrix Spike

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

File ID: **15050829.D** Batch ID: **MS15W0508B** Analysis Date: **05/08/2015 21:39**

Sample ID: **15050652-02AGS** Units : **µg/L** Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 21:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1580	250	2000	0	79	54	143			
Surr: 1,2-Dichloroethane-d4	39.4		50		79	70	130			
Surr: Toluene-d8	54.8		50		110	70	130			
Surr: 4-Bromofluorobenzene	50.4		50		101	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15051110.D** Batch ID: **MS15W0508B** Analysis Date: **05/11/2015 14:57**

Sample ID: **15050652-02AGSD** Units : **µg/L** Run ID: **MSD_15_150508A** Prep Date: **05/11/2015 14:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2260	250	2000	0	113	54	143	1583	35.4(23)	R5
Surr: 1,2-Dichloroethane-d4	42.3		50		85	70	130			
Surr: Toluene-d8	54		50		108	70	130			
Surr: 4-Bromofluorobenzene	47.8		50		96	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.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

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: 13-May-15

QC Summary Report

Work Order: 15050652

Method Blank

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

File ID: **15050806.D** Batch ID: **MS15W0508A** Analysis Date: **05/08/2015 12:17**

Sample ID: **MBLK MS15W0508A** Units : µg/L Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 12:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	8.51		10		85	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	9.46		10		95	70	130			

Laboratory Control Spike

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

File ID: **15050803.D** Batch ID: **MS15W0508A** Analysis Date: **05/08/2015 10:51**

Sample ID: **LCS MS15W0508A** Units : µg/L Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 10:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.11	1	10		91	80	120			
Methyl tert-butyl ether (MTBE)	8.94	0.5	10		89	63	137			
Benzene	9.76	0.5	10		98	70	130			
Trichloroethene	9.57	1	10		96	68	138			
Toluene	10.5	0.5	10		105	80	120			
Chlorobenzene	10.4	1	10		104	70	130			
Ethylbenzene	10.3	0.5	10		103	80	120			
m,p-Xylene	10.7	0.5	10		107	65	139			
o-Xylene	11	0.5	10		110	70	130			
Surr: 1,2-Dichloroethane-d4	8		10		80	70	130			
Surr: Toluene-d8	10.6		10		106	70	130			
Surr: 4-Bromofluorobenzene	9.89		10		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: 13-May-15

QC Summary Report

Work Order: 15050652

Sample Matrix Spike

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

File ID: **15050827.D** Batch ID: **MS15W0508A** Analysis Date: **05/08/2015 20:50**

Sample ID: **15050652-02AMS** Units : µg/L Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 20:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.3	2.5	50	0	91	62	133			
Methyl tert-butyl ether (MTBE)	51.4	1.3	50	0	103	56	140			
Benzene	51.9	1.3	50	0	104	67	134			
Trichloroethene	47.5	2.5	50	0	95	68	138			
Toluene	54	1.3	50	0	108	38	130			
Chlorobenzene	52.5	2.5	50	0	105	70	130			
Ethylbenzene	50	1.3	50	0	100	70	130			
m,p-Xylene	53.2	1.3	50	0	106	65	139			
o-Xylene	55.2	1.3	50	0	110	69	130			
Surr: 1,2-Dichloroethane-d4	38.6		50		77	70	130			
Surr: Toluene-d8	53.7		50		107	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: **15050828.D** Batch ID: **MS15W0508A** Analysis Date: **05/08/2015 21:15**

Sample ID: **15050652-02AMSD** Units : µg/L Run ID: **MSD_15_150508A** Prep Date: **05/08/2015 21:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.5	2.5	50	0	91	62	133	45.25	0.6(35)	
Methyl tert-butyl ether (MTBE)	52.3	1.3	50	0	105	56	140	51.41	1.7(40)	
Benzene	52.2	1.3	50	0	104	67	134	51.91	0.6(21)	
Trichloroethene	48.4	2.5	50	0	97	68	138	47.48	1.8(20)	
Toluene	55	1.3	50	0	110	38	130	54	1.9(20)	
Chlorobenzene	54.7	2.5	50	0	109	70	130	52.53	4.0(20)	
Ethylbenzene	51.1	1.3	50	0	102	70	130	50.04	2.2(20)	
m,p-Xylene	54	1.3	50	0	108	65	139	53.2	1.5(20)	
o-Xylene	56.8	1.3	50	0	114	69	130	55.17	2.9(20)	
Surr: 1,2-Dichloroethane-d4	39.3		50		79	70	130			
Surr: Toluene-d8	53		50		106	70	130			
Surr: 4-Bromofluorobenzene	49.6		50		99	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.

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 : STR15050652

Report Due By : 5:00 PM On : 13-May-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 # : 12207 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
4 °C	06-May-15	06-May-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
STR15050652-01A	Grim W INF	AQ	05/05/15 09:20	8	0	5	GAS-C	8260/Oxys_Cs							
STR15050652-02A	Grim W GAC1	AQ	05/05/15 09:15	8	0	5	GAS-C	8260/Oxys_Cs							

Comments: Security seals intact. Frozen ice. Chain split due to different TAT's. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	5/6/15 1235

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 Pk
City, State, Zip: Cameron Pk
Phone Number: 5306266004 Fax:

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

12207

Page # 1 of 1

Consultant/ Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Grimy AVO
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)	Analysis Requested: GRO	BTEX	MTBE	1,2 DCA	Naphthalene	VOCs Including	PCE, TCE, Vinyl Chloride	Remarks
0420	5/5	AQ	STR150500520-01A	Grimy W Inf	STD	N	6	X	X	X	X	X	X	X	
0915	5/5	AQ	-02A	Grimy W GAC	STD	N	8	X	X	X	X	X	X	X	
0910	5/5	AQ		Grimy W EFF	24	24	N	8	X	X	X	X	X	X	X	

ADDITIONAL INSTRUCTIONS:

24 HR TAT on EFF

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: CH/LC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
CH/LC Stantec	5/5/15	1345	Melissa T	5-5-15	1345
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
				5/6/15	1000
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* 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 : 05/06/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W EFF**					
Lab ID :	STR15050643-01A	TPH-P (GRO)	ND	50 µg/L	05/06/15	05/06/15
Date Sampled	05/05/15 09:10					

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

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

5/6/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15050643-01A
Client I.D. Number: Grim W EFF

Sampled: 05/05/15 09:10
Received: 05/06/15
Extracted: 05/06/15
Analyzed: 05/06/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L
40	Naphthalene	ND	2.0 µg/L

This replaces the report signed 5/6/15 due to a change in the analyte list, due to lab error.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

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.

5/19/15
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: STR15050643 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15050643-01A	Grim W EFF	Aqueous	2

5/6/15

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: *11-May-15*

QC Summary Report

Work Order: 15050643

Method Blank

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

File ID: **15050605.D** Batch ID: **MS15W0506B** Analysis Date: **05/06/2015 11:43**

Sample ID: **MBLK MS15W0506B** Units : **µg/L** Run ID: **MSD_15_150506A** Prep Date: **05/06/2015 11:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.42		10		94	70	130			
Surr: Toluene-d8	9.51		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.53		10		95	70	130			

Laboratory Control Spike

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

File ID: **15050603.D** Batch ID: **MS15W0506B** Analysis Date: **05/06/2015 10:44**

Sample ID: **GLCS MS15W0506B** Units : **µg/L** Run ID: **MSD_15_150506A** Prep Date: **05/06/2015 10:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	443	50	400		111	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.19		10		92	70	130			
Surr: 4-Bromofluorobenzene	9.89		10		99	70	130			

Sample Matrix Spike

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

File ID: **15050720.D** Batch ID: **MS15W0506B** Analysis Date: **05/07/2015 18:15**

Sample ID: **15050642-01AGS** Units : **µg/L** Run ID: **MSD_15_150506A** Prep Date: **05/07/2015 18:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2240	250	2000	0	112	54	143			
Surr: 1,2-Dichloroethane-d4	41.7		50		83	70	130			
Surr: Toluene-d8	46.5		50		93	70	130			
Surr: 4-Bromofluorobenzene	47.4		50		95	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15050721.D** Batch ID: **MS15W0506B** Analysis Date: **05/07/2015 18:39**

Sample ID: **15050642-01AGSD** Units : **µg/L** Run ID: **MSD_15_150506A** Prep Date: **05/07/2015 18:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2120	250	2000	0	106	54	143	2237	5.5(23)	
Surr: 1,2-Dichloroethane-d4	42.5		50		85	70	130			
Surr: Toluene-d8	47		50		94	70	130			
Surr: 4-Bromofluorobenzene	46.2		50		92	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: 19-May-15

QC Summary Report

Work Order: 15050643

Method Blank

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

File ID: **15050605.D** Batch ID: **MS15W0506A** Analysis Date: **05/06/2015 11:43**

Sample ID: **MBLK MS15W0506A** Units : µg/L Run ID: **MSD_15_150506A** Prep Date: **05/06/2015 11:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.42		10		94	70	130			
Surr: Toluene-d8	9.51		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.53		10		95	70	130			

Laboratory Control Spike

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

File ID: **15050602.D** Batch ID: **MS15W0506A** Analysis Date: **05/06/2015 10:18**

Sample ID: **LCS MS15W0506A** Units : µg/L Run ID: **MSD_15_150506A** Prep Date: **05/06/2015 10:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.85	1	10		99	80	120			
Methyl tert-butyl ether (MTBE)	10.7	0.5	10		107	63	137			
Benzene	10.3	0.5	10		103	70	130			
Trichloroethene	10.3	1	10		103	68	138			
Toluene	8.82	0.5	10		88	80	120			
Chlorobenzene	8.9	1	10		89	70	130			
Ethylbenzene	8.91	0.5	10		89	80	120			
m,p-Xylene	9.12	0.5	10		91	65	139			
o-Xylene	9.43	0.5	10		94	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10		96	70	130			
Surr: Toluene-d8	9.32		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.53		10		95	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: *19-May-15*

QC Summary Report

Work Order: 15050643

Sample Matrix Spike

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

File ID: **15050628.D** Batch ID: **MS15W0506A** Analysis Date: **05/06/2015 21:06**

Sample ID: **15050642-01AMS** Units : **µg/L** Run ID: **MSD_15_150506A** Prep Date: **05/06/2015 21:06**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	49.8	2.5	50	0	100	62	133			
Methyl tert-butyl ether (MTBE)	63.7	1.3	50	0	127	56	140			
Benzene	54.7	1.3	50	0	109	67	134			
Trichloroethene	52.1	2.5	50	0	104	68	138			
Toluene	45.1	1.3	50	0	90	38	130			
Chlorobenzene	47.5	2.5	50	0	95	70	130			
Ethylbenzene	44	1.3	50	0	88	70	130			
m,p-Xylene	46.6	1.3	50	0	93	65	139			
o-Xylene	48.4	1.3	50	0	97	69	130			
Surr: 1,2-Dichloroethane-d4	46.1		50		92	70	130			
Surr: Toluene-d8	45.1		50		90	70	130			
Surr: 4-Bromofluorobenzene	45.5		50		91	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15050719.D** Batch ID: **MS15W0506A** Analysis Date: **05/07/2015 17:50**

Sample ID: **15050642-01AMSD** Units : **µg/L** Run ID: **MSD_15_150506A** Prep Date: **05/07/2015 17:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	56.2	2.5	50	0	112	62	133	49.75	12.2(35)	
Methyl tert-butyl ether (MTBE)	68.8	1.3	50	0	138	56	140	63.7	7.6(40)	
Benzene	65.1	1.3	50	0	130	67	134	54.65	17.5(21)	
Trichloroethene	60.3	2.5	50	0	121	68	138	52.14	14.5(20)	
Toluene	51.2	1.3	50	0	102	38	130	45.07	12.7(20)	
Chlorobenzene	51.6	2.5	50	0	103	70	130	47.45	8.4(20)	
Ethylbenzene	47.9	1.3	50	0	96	70	130	44.03	8.4(20)	
m,p-Xylene	50.7	1.3	50	0	101	65	139	46.58	8.4(20)	
o-Xylene	53.6	1.3	50	0	107	69	130	48.41	10.1(20)	
Surr: 1,2-Dichloroethane-d4	40.7		50		81	70	130			
Surr: Toluene-d8	45.6		50		91	70	130			
Surr: 4-Bromofluorobenzene	46.8		50		94	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.

AMENDED

RUSH!

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 : STR15050643

Report Due By : 5:00 PM On : 06-May-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 # : 12207 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
4 °C	06-May-15	19-May-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
STR15050643-01A	Grim W EFF	AQ	05/05/15 09:10	8	0	0	GAS-C	8260/Oxys_Cs							

Comments: ASAP TAT. Security seals intact. Frozen ice. Chain split due to different TAT's. Amended on 5/19/15 to add Naphthalene due to login error. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	Alpha Analytical, Inc.	5/19/15 730

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

RUSH!

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

WorkOrder : STR15050643

Report Due By : 5:00 PM On : 06-May-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 # : 12207 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
4 °C	06-May-15	06-May-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
STR15050643-01A	Grim W EFF	AQ	05/05/15 09:10	8	0	0	GAS-C	8260/OXYS_Cs							

Comments: ASAP TAT. Security seals intact. Frozen ice. Chain split due to different TAT's. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	Alpha Analytical, Inc.	5/6/15 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

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

12207

Page # 1 of 1

Billing Information:

Company: Strays
Attn: Debbie
Address: 3330 Cameron Pk
City, State, Zip: Cameron Pk
Phone Number: 5306726004 Fax:

Consultant/ Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Grimit Auto
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 (MMDD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	GRO	BTEX	MTBE	1,2 DCA	Napthalene	VOCs Including PCE, TCE, Vinyl chloride					Remarks
0920	5-5-15	AQ		Grimit W INF	STD	N	8	X	X	X	X	X	X	X				
0915	5-5-15	AQ		Grimit W GAC 1	STD	N	8	X	X	X	X	X	X	X				
0910	5-5-15	AQ	STK 1505043-01A	Grimit W EFF	24	N	8	X	X	X	X	X	X	X				

ADDITIONAL INSTRUCTIONS: 24 HR TAT on EFF

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: A CHILL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] / Stantec	5-5-15	1345	Melissa T.	5-5-15	1345
			[signature]	5/6/15	1000

* 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 : 06/03/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A Sys INF**					
Lab ID :	STR15060303-01A	TPH-P (GRO)	160	20 mg/m³	06/03/15 16:15	06/08/15
Date Sampled	06/02/15 06:40					
Client ID :	**Grim W INF**					
Lab ID :	STR15060303-02A	TPH-P (GRO)	ND	50 µg/L	06/05/15	06/05/15
Date Sampled	06/02/15 06:35					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15060303-03A	TPH-P (GRO)	ND	50 µg/L	06/05/15	06/05/15
Date Sampled	06/02/15 06:30					

Gasoline Range Organics (GRO) C4-C13
Note: For sample -01A concentrations of air in a Tedlar Bag are at 30 degrees Celsius and 29.90 inches of mercury.
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

6/10/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15060303-01A
Client I.D. Number: Grim A Sys INF

Sampled: 06/02/15 06:40
Received: 06/03/15
Extracted: 06/03/15 16:15
Analyzed: 06/08/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,2-Dichloroethane	ND	0.40 mg/m³
17	1,1,1-Trichloroethane	ND	0.40 mg/m³
18	Carbon tetrachloride	ND	0.40 mg/m³
19	Benzene	ND	0.20 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
21	1,2-Dichloropropane	ND	0.40 mg/m³
22	Trichloroethene	ND	0.40 mg/m³
23	Bromodichloromethane	ND	0.40 mg/m³
24	cis-1,3-Dichloropropene	ND	0.40 mg/m³
25	trans-1,3-Dichloropropene	ND	0.40 mg/m³
26	1,1,2-Trichloroethane	ND	0.40 mg/m³
27	Toluene	0.25	0.20 mg/m³
28	Dibromochloromethane	ND	0.40 mg/m³
29	Tetrachloroethene	ND	0.40 mg/m³
30	Chlorobenzene	ND	0.40 mg/m³
31	Ethylbenzene	0.36	0.20 mg/m³
32	m,p-Xylene	0.93	0.20 mg/m³
33	Bromoform	ND	0.40 mg/m³
34	o-Xylene	ND	0.20 mg/m³
35	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
36	1,3-Dichlorobenzene	ND	0.40 mg/m³
37	1,4-Dichlorobenzene	ND	0.40 mg/m³
38	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 30 degrees Celsius and 29.90 inches of mercury.

ND = Not Detected

Roger Scholl — Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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ACCREDITED DoD ELAP

6/10/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15060303-02A
Client I.D. Number: Grim W INF

Sampled: 06/02/15 06:35
Received: 06/03/15
Extracted: 06/05/15
Analyzed: 06/05/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	Tetrachloroethene	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Chlorobenzene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Ethylbenzene	ND	0.50 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	m,p-Xylene	2.1	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	Bromoform	ND	1.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	o-Xylene	0.50	0.50 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,3-Dichlorobenzene	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,4-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L	38	1,2-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	Naphthalene	ND	2.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L				
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	ND	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

This replaces the report signed 6/10/15 due to a change in the analyte list, due to lab error.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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7/2/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15060303-03A
Client I.D. Number: Grim W GAC1

Sampled: 06/02/15 06:30
Received: 06/03/15
Extracted: 06/05/15
Analyzed: 06/05/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	Tetrachloroethene	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Chlorobenzene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Ethylbenzene	ND	0.50 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	m,p-Xylene	ND	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	Bromoform	ND	1.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	o-Xylene	ND	0.50 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,3-Dichlorobenzene	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,4-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L	38	1,2-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	Naphthalene	ND	2.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L				
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	ND	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

This replaces the report signed 6/10/15 due to a change in the analyte list, due to lab error.

ND = Not Detected

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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7/2/15
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: STR15060303 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15060303-02A	Grim W INF	Aqueous	2
15060303-03A	Grim W GAC1	Aqueous	2

6/10/15

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-Jun-15*

QC Summary Report

Work Order: 15060303

Method Blank

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

File ID: **15060821.D** Batch ID: **MS09A0608B** Analysis Date: **06/08/2015 19:26**

Sample ID: **MBLK MS09A0608B** Units : **mg/m³** Run ID: **MSD_09_150608A** Prep Date: **06/08/2015 19:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.7		2		85	70	130			
Surr: Toluene-d8	2.02		2		101	70	130			
Surr: 4-Bromofluorobenzene	1.85		2		93	70	130			

Laboratory Control Spike

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

File ID: **15060803.D** Batch ID: **MS09A0608B** Analysis Date: **06/08/2015 12:18**

Sample ID: **GLCS MS09A0608B** Units : **mg/m³** Run ID: **MSD_09_150608A** Prep Date: **06/08/2015 12:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	363	10	400		91	70	130			
Surr: 1,2-Dichloroethane-d4	8.92		10		89	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.26		10		93	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.

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-Jun-15*

QC Summary Report

Work Order: 15060303

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\150605\15060504.D** Batch ID: **MS10W0605B** Analysis Date: **06/05/2015 13:10**

Sample ID: **MBLK MS10W0605B** Units : **µg/L** Run ID: **MSD_10_150605A** Prep Date: **06/05/2015 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	11.6		10		116	70	130			
Surr: Toluene-d8	9.12		10		91	70	130			
Surr: 4-Bromofluorobenzene	9.28		10		93	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\150605\15060503.D** Batch ID: **MS10W0605B** Analysis Date: **06/05/2015 12:47**

Sample ID: **GLCS MS10W0605B** Units : **µg/L** Run ID: **MSD_10_150605A** Prep Date: **06/05/2015 12:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	429	50	400		107	70	130			
Surr: 1,2-Dichloroethane-d4	11.7		10		117	70	130			
Surr: Toluene-d8	8.9		10		89	70	130			
Surr: 4-Bromofluorobenzene	9.57		10		96	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\150605\15060517.D** Batch ID: **MS10W0605B** Analysis Date: **06/05/2015 18:08**

Sample ID: **15060247-21AGS** Units : **µg/L** Run ID: **MSD_10_150605A** Prep Date: **06/05/2015 18:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2180	250	2000	0	109	54	143			
Surr: 1,2-Dichloroethane-d4	59.5		50		119	70	130			
Surr: Toluene-d8	44.4		50		89	70	130			
Surr: 4-Bromofluorobenzene	48		50		96	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\150605\15060518.D** Batch ID: **MS10W0605B** Analysis Date: **06/05/2015 18:31**

Sample ID: **15060247-21AGSD** Units : **µg/L** Run ID: **MSD_10_150605A** Prep Date: **06/05/2015 18:31**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2640	250	2000	0	132	54	143	2183	19.0(23)	
Surr: 1,2-Dichloroethane-d4	59.1		50		118	70	130			
Surr: Toluene-d8	44.4		50		89	70	130			
Surr: 4-Bromofluorobenzene	47		50		94	70	130			

Comments:

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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-Jun-15*

QC Summary Report

Work Order: 15060303

Method Blank

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

File ID: **15060821.D** Batch ID: **MS09A0608A** Analysis Date: **06/08/2015 19:26**

Sample ID: **MBLK MS09A0608A** Units : **mg/m³** Run ID: **MSD_09_150608A** Prep Date: **06/08/2015 19:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.7		2		85	70	130			
Surr: Toluene-d8	2.02		2		101	70	130			
Surr: 4-Bromofluorobenzene	1.85		2		93	70	130			

Laboratory Control Spike

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

File ID: **15060802.D** Batch ID: **MS09A0608A** Analysis Date: **06/08/2015 11:54**

Sample ID: **LCS MS09A0608A** Units : **mg/m³** Run ID: **MSD_09_150608A** Prep Date: **06/08/2015 11:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.7	0.2	10		107	70	130			
Methyl tert-butyl ether (MTBE)	7.73	0.1	10		77	63	137			
Benzene	9.98	0.1	10		99.8	70	130			
Trichloroethene	11.2	0.2	10		112	68	138			
Toluene	10.2	0.1	10		102	70	130			
Chlorobenzene	10.4	0.2	10		104	70	130			
Ethylbenzene	10.4	0.1	10		104	70	130			
m,p-Xylene	9.34	0.1	10		93	65	139			
o-Xylene	9.19	0.1	10		92	70	130			
Surr: 1,2-Dichloroethane-d4	8.87		10		89	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	8.97		10		90	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-Jun-15*

QC Summary Report

Work Order: 15060303

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.

Alpha Analytical, Inc.

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Date: 02-Jul-15

QC Summary Report

Work Order: 15060303

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\150605\15060504.D** Batch ID: **MS10W0605A** Analysis Date: **06/05/2015 13:10**

Sample ID: **MBLK MS10W0605A** Units : µg/L Run ID: **MSD_10_150605A** Prep Date: **06/05/2015 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	11.6		10		116	70	130			
Surr: Toluene-d8	9.12		10		91	70	130			
Surr: 4-Bromofluorobenzene	9.28		10		93	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\150605\15060502.D** Batch ID: **MS10W0605A** Analysis Date: **06/05/2015 12:24**

Sample ID: **LCS MS10W0605A** Units : µg/L Run ID: **MSD_10_150605A** Prep Date: **06/05/2015 12:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.3	1	10		103	70	130			
Methyl tert-butyl ether (MTBE)	9.7	0.5	10		97	63	137			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	10.3	1	10		103	68	138			
Toluene	8.84	0.5	10		88	70	130			
Chlorobenzene	9.58	1	10		96	70	130			
Ethylbenzene	9.65	0.5	10		97	70	130			
m,p-Xylene	9.55	0.5	10		96	65	139			
o-Xylene	9.88	0.5	10		99	70	130			
Surr: 1,2-Dichloroethane-d4	11.9		10		119	70	130			
Surr: Toluene-d8	8.89		10		89	70	130			
Surr: 4-Bromofluorobenzene	9.51		10		95	70	130			

Alpha Analytical, Inc.

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

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Date: *02-Jul-15*

QC Summary Report

Work Order: 15060303

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\150608\15060820.D** Batch ID: **MS10W0605A** Analysis Date: **06/08/2015 22:32**

Sample ID: **15060247-21AMS** Units : **µg/L** Run ID: **MSD_10_150605A** Prep Date: **06/08/2015 22:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	60.6	2.5	50	0	121	62	133			
Methyl tert-butyl ether (MTBE)	56.9	1.3	50	0	114	56	140			
Benzene	60.6	1.3	50	0	121	67	134			
Trichloroethene	59.9	2.5	50	0	120	68	138			
Toluene	51.2	1.3	50	0	102	38	130			
Chlorobenzene	57.3	2.5	50	0	115	70	130			
Ethylbenzene	56.4	1.3	50	0	113	70	130			
m,p-Xylene	55.1	1.3	50	0	110	65	139			
o-Xylene	57.8	1.3	50	0	116	69	130			
Surr: 1,2-Dichloroethane-d4	62.7		50		125	70	130			
Surr: Toluene-d8	43.9		50		88	70	130			
Surr: 4-Bromofluorobenzene	47		50		94	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\150608\15060821.D** Batch ID: **MS10W0605A** Analysis Date: **06/08/2015 22:55**

Sample ID: **15060247-21AMSD** Units : **µg/L** Run ID: **MSD_10_150605A** Prep Date: **06/08/2015 22:55**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	51.5	2.5	50	0	103	62	133	60.6	16.2(35)	
Methyl tert-butyl ether (MTBE)	51.1	1.3	50	0	102	56	140	56.93	10.8(40)	
Benzene	53.8	1.3	50	0	108	67	134	60.63	12.0(21)	
Trichloroethene	51.8	2.5	50	0	104	68	138	59.93	14.5(20)	
Toluene	45.1	1.3	50	0	90	38	130	51.21	12.6(20)	
Chlorobenzene	50.4	2.5	50	0	101	70	130	57.27	12.7(20)	
Ethylbenzene	49	1.3	50	0	98	70	130	56.4	14.0(20)	
m,p-Xylene	48.1	1.3	50	0	96	65	139	55.14	13.7(20)	
o-Xylene	50.9	1.3	50	0	102	69	130	57.82	12.7(20)	
Surr: 1,2-Dichloroethane-d4	60.2		50		120	70	130			
Surr: Toluene-d8	44.3		50		89	70	130			
Surr: 4-Bromofluorobenzene	47.9		50		96	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.

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 : STR15060303

Report Due By : 5:00 PM On : 10-Jun-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 # : 16151, 16150 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	03-Jun-15	02-Jul-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_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15060303-01A	Grim A Sys INF	AR	06/02/15 06:40	1	0	5	GAS-N/C		8260/OXYS_S						TEDLAR
STR15060303-02A	Grim W INF	AQ	06/02/15 06:35	6	0	5		GAS-C		8260/OXYS/NAPH_Cs					
STR15060303-03A	Grim W GAC1	AQ	06/02/15 06:30	6	0	5		GAS-C		8260/OXYS/NAPH_Cs					

Comments: Security seals intact. Frozen ice. Chains combined by job name and split by TATs for reporting purposes. Amended on 7/2/15 to add Naphalene to samples -02A and -03A due to login error. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	7/2/15 1220

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

WorkOrder : STR15060303

Report Due By : 5:00 PM On : 10-Jun-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 # : 16151, 16150 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	03-Jun-15	03-Jun-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_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15060303-01A	Grim A Sys INF	AR	06/02/15 06:40	1	0	5	GAS-N/C		8260/OXYS_S						TEDLAR
STR15060303-02A	Grim W INF	AQ	06/02/15 06:35	6	0	5		GAS-C		8260/OXYS_Cs					
STR15060303-03A	Grim W GAC1	AQ	06/02/15 06:30	6	0	5		GAS-C		8260/OXYS_Cs					

Comments: Security seals intact. Frozen ice. Chains combined by job name and split by TATs for reporting purposes. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Morgan Cowery	Morgan Cowery	Alpha Analytical, Inc.	6/3/15 1029

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: Debby
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Pk
Phone Number: _____ Fax: _____

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

16151

Page # 1 of 1

Consultant/ Client Info:

Company: Stantec
Address: _____
City, State, Zip: _____

Job and Purchase Order Info:

Job #: _____
Job Name: Grim A Auto
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: T0600100667
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	BTEX	MTBE	VOCs PCE TCE	Vinyl chloride						Remarks
0640	6/2/15	AIR	STR1506030301A	Grm A Sys Inf	STD	1		X	X	X	X	X	X						
0643	6/2/15	AIR	~~029~~	Grm A Eff	24	1		X	X	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: [signature]

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stantec	6/2/15	1150	Meryssa T	6-2-15	1150
			Megan Lowery - alpha	6/3/15	1017

* 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.

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

16150

Page # 1 of 1

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

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

Job and Purchase Order Info:
Job #
Job Name: Grimit Auto
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: T0600100667
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	BTEX	MTBE	1,2 DCA Napthalene	VOC's PCE TCE Vinyl chloride						Remarks
0635	6-2	AQ	STR15060303-01A	Grim W INF	STD	6		X	X	X	X	X	X						
0630	)	)	03A	Grim W GAC 1	STD	6		X	X	X	X	X	X						
0625	)	AQ		Grim W EFF	24	6		X	X	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:
[signature] Stratus	6-2-15	1150	Meryssa T	6-2-15	1150
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation): Morgan [signature] - Alpha	6/3/15	1017
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* 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 : 06/03/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A EFF**					
Lab ID :	STR15060342-01A	TPH-P (GRO)	ND	20 mg/m³	06/03/15 10:45	06/03/15
Date Sampled	06/02/15 06:43					
Client ID :	**Grim W EFF**					
Lab ID :	STR15060342-02A	TPH-P (GRO)	ND	50 µg/L	06/03/15	06/03/15
Date Sampled	06/02/15 06:25					

Gasoline Range Organics (GRO) C4-C13
Note: For sample -01A concentrations of air in a Tedlar Bag are at 29 degrees Celsius and 25.52 inches of mercury.
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager
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.

6/3/15
Report Date

Alpha Analytical, Inc.

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

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15060342-01A
Client I.D. Number: Grim A EFF

Sampled: 06/02/15 06:43
Received: 06/03/15
Extracted: 06/03/15 10:45
Analyzed: 06/03/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,2-Dichloroethane	ND	0.40 mg/m³
17	1,1,1-Trichloroethane	ND	0.40 mg/m³
18	Carbon tetrachloride	ND	0.40 mg/m³
19	Benzene	ND	0.20 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
21	1,2-Dichloropropane	ND	0.40 mg/m³
22	Trichloroethene	ND	0.40 mg/m³
23	Bromodichloromethane	ND	0.40 mg/m³
24	cis-1,3-Dichloropropene	ND	0.40 mg/m³
25	trans-1,3-Dichloropropene	ND	0.40 mg/m³
26	1,1,2-Trichloroethane	ND	0.40 mg/m³
27	Toluene	ND	0.20 mg/m³
28	Dibromochloromethane	ND	0.40 mg/m³
29	1,2-Dibromoethane (EDB)	ND	0.80 mg/m³
30	Tetrachloroethene	ND	0.40 mg/m³
31	Chlorobenzene	ND	0.40 mg/m³
32	Ethylbenzene	ND	0.20 mg/m³
33	m,p-Xylene	ND	0.20 mg/m³
34	Bromoform	ND	0.40 mg/m³
35	o-Xylene	ND	0.20 mg/m³
36	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
37	1,3-Dichlorobenzene	ND	0.40 mg/m³
38	1,4-Dichlorobenzene	ND	0.40 mg/m³
39	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 29 degrees Celsius and 25.52 inches of mercury.

ND = Not Detected

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6/3/15
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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: Grimit Auto

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005

Alpha Analytical Number: STR15060342-02A
Client I.D. Number: Grim W EFF

Sampled: 06/02/15 06:25
Received: 06/03/15
Extracted: 06/03/15
Analyzed: 06/03/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L
40	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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ACLASS ACCREDITED DoD ELAP

6/3/15
Report Date

Alpha Analytical, Inc.

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VOC Sample Preservation Report

Work Order: STR15060342 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15060342-02A	Grim W EFF	Aqueous	2

6/3/15

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: *08-Jun-15*

QC Summary Report

Work Order: 15060342

Method Blank

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

File ID: **15060305.D** Batch ID: **MS08A0603B** Analysis Date: **06/03/2015 11:58**

Sample ID: **MBLK MS08A0603B** Units : **mg/m³** Run ID: **MSD_08_150603A** Prep Date: **06/03/2015 11:58**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.56		2		78	70	130			
Surr: Toluene-d8	2.31		2		116	70	130			
Surr: 4-Bromofluorobenzene	1.67		2		84	70	130			

Laboratory Control Spike

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

File ID: **15060303.D** Batch ID: **MS08A0603B** Analysis Date: **06/03/2015 11:05**

Sample ID: **GLCS MS08A0603B** Units : **mg/m³** Run ID: **MSD_08_150603A** Prep Date: **06/03/2015 11:05**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	417	10	400		104	70	130			
Surr: 1,2-Dichloroethane-d4	8.03		10		80	70	130			
Surr: Toluene-d8	9.85		10		99	70	130			
Surr: 4-Bromofluorobenzene	12.5		10		125	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.

Alpha Analytical, Inc.

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Date: 08-Jun-15

QC Summary Report

Work Order: 15060342

Method Blank

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

File ID: 15060304.D | Batch ID: MS09W0603B | Analysis Date: 06/03/2015 13:33

Sample ID: MBLK MS09W0603B | Units: µg/L | Run ID: MSD_09_150603A | Prep Date: 06/03/2015 13:33

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.05		10		81	70	130			
Surr: Toluene-d8	9.57		10		96	70	130			
Surr: 4-Bromofluorobenzene	9.7		10		97	70	130			

Laboratory Control Spike

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

File ID: 15060303.D | Batch ID: MS09W0603B | Analysis Date: 06/03/2015 13:09

Sample ID: GLCS MS09W0603B | Units: µg/L | Run ID: MSD_09_150603A | Prep Date: 06/03/2015 13:09

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	422	50	400		105	70	130			
Surr: 1,2-Dichloroethane-d4	8.3		10		83	70	130			
Surr: Toluene-d8	9.07		10		91	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Sample Matrix Spike

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

File ID: 15060329.D | Batch ID: MS09W0603B | Analysis Date: 06/03/2015 23:40

Sample ID: 15060341-01AGS | Units: µg/L | Run ID: MSD_09_150603A | Prep Date: 06/03/2015 23:40

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1930	250	2000	0	97	54	143			
Surr: 1,2-Dichloroethane-d4	40.9		50		82	70	130			
Surr: Toluene-d8	45.9		50		92	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: 15060330.D | Batch ID: MS09W0603B | Analysis Date: 06/04/2015 00:04

Sample ID: 15060341-01AGSD | Units: µg/L | Run ID: MSD_09_150603A | Prep Date: 06/04/2015 00:04

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2100	250	2000	0	105	54	143	1935	8.2(23)	
Surr: 1,2-Dichloroethane-d4	38.3		50		77	70	130			
Surr: Toluene-d8	46.4		50		93	70	130			
Surr: 4-Bromofluorobenzene	50.6		50		101	70	130			

Comments:

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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: 08-Jun-15

QC Summary Report

Work Order: 15060342

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: 15060305.D Batch ID: MS08A0603A Analysis Date: 06/03/2015 11:58

Sample ID: MBLK MS08A0603A Units : mg/m³ Run ID: MSD_08_150603A Prep Date: 06/03/2015 11:58

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.56		2		78	70	130			
Surr: Toluene-d8	2.31		2		116	70	130			
Surr: 4-Bromofluorobenzene	1.67		2		84	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: 15060302.D Batch ID: MS08A0603A Analysis Date: 06/03/2015 10:05

Sample ID: LCS MS08W0603A Units : mg/m³ Run ID: MSD_08_150603A Prep Date: 06/03/2015 10:05

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.15	0.2	10		92	70	130			
Methyl tert-butyl ether (MTBE)	8.99	0.1	10		90	63	137			
Benzene	9.95	0.1	10		100	70	130			
Trichloroethene	10.6	0.2	10		106	68	138			
Toluene	11	0.1	10		110	70	130			
Chlorobenzene	9.96	0.2	10		99.6	70	130			
Ethylbenzene	9.66	0.1	10		97	70	130			
m,p-Xylene	9.94	0.1	10		99	65	139			
o-Xylene	10.1	0.1	10		101	70	130			
Surr: 1,2-Dichloroethane-d4	8.4		10		84	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	12.9		10		129	70	130			

Alpha Analytical, Inc.

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

Date: *08-Jun-15*

QC Summary Report

Work Order: 15060342

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.

Alpha Analytical, Inc.

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

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

Date: 08-Jun-15

QC Summary Report

Work Order: 15060342

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15060304.D Batch ID: MS09W0603A Analysis Date: 06/03/2015 13:33

Sample ID: MBLK MS09W0603A Units : µg/L Run ID: MSD_09_150603A Prep Date: 06/03/2015 13:33

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	8.05		10		81	70	130			
Surr: Toluene-d8	9.57		10		96	70	130			
Surr: 4-Bromofluorobenzene	9.7		10		97	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15060302.D Batch ID: MS09W0603A Analysis Date: 06/03/2015 12:45

Sample ID: LCS MS09W0603A Units : µg/L Run ID: MSD_09_150603A Prep Date: 06/03/2015 12:45

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11.4	1	10		114	70	130			
Methyl tert-butyl ether (MTBE)	9.84	0.5	10		98	63	137			
Benzene	11.4	0.5	10		114	70	130			
Trichloroethene	12.1	1	10		121	68	138			
Toluene	11.5	0.5	10		115	70	130			
Chlorobenzene	11.1	1	10		111	70	130			
Ethylbenzene	11.5	0.5	10		115	70	130			
m,p-Xylene	9.65	0.5	10		97	65	139			
o-Xylene	9.51	0.5	10		95	70	130			
Surr: 1,2-Dichloroethane-d4	8.37		10		84	70	130			
Surr: Toluene-d8	9.06		10		91	70	130			
Surr: 4-Bromofluorobenzene	9.41		10		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: 08-Jun-15

QC Summary Report

Work Order: 15060342

Sample Matrix Spike

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

File ID: **15060327.D** Batch ID: **MS09W0603A** Analysis Date: **06/03/2015 22:52**

Sample ID: **15052601-09AMS** Units: **µg/L** Run ID: **MSD_09_150603A** Prep Date: **06/03/2015 22:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.6	2.5	50	0	101	62	133			
Methyl tert-butyl ether (MTBE)	42.1	1.3	50	0	84	56	140			
Benzene	52.4	1.3	50	0	105	67	134			
Trichloroethene	53.9	2.5	50	0	108	68	138			
Toluene	53.9	1.3	50	0	108	38	130			
Chlorobenzene	49.9	2.5	50	0	99.8	70	130			
Ethylbenzene	51.9	1.3	50	0	104	70	130			
m,p-Xylene	43	1.3	50	0	86	65	139			
o-Xylene	43.4	1.3	50	0	87	69	130			
Surr: 1,2-Dichloroethane-d4	42.7		50		85	70	130			
Surr: Toluene-d8	44.1		50		88	70	130			
Surr: 4-Bromofluorobenzene	48.4		50		97	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15060328.D** Batch ID: **MS09W0603A** Analysis Date: **06/03/2015 23:15**

Sample ID: **15052601-09AMSD** Units: **µg/L** Run ID: **MSD_09_150603A** Prep Date: **06/03/2015 23:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	56.7	2.5	50	0	113	62	133	50.56	11.5(35)	
Methyl tert-butyl ether (MTBE)	45.9	1.3	50	0	92	56	140	42.12	8.7(40)	
Benzene	57.1	1.3	50	0	114	67	134	52.35	8.7(21)	
Trichloroethene	59.4	2.5	50	0	119	68	138	53.9	9.8(20)	
Toluene	58.2	1.3	50	0	116	38	130	53.89	7.6(20)	
Chlorobenzene	54.6	2.5	50	0	109	70	130	49.91	9.0(20)	
Ethylbenzene	56.6	1.3	50	0	113	70	130	51.89	8.7(20)	
m,p-Xylene	46.3	1.3	50	0	93	65	139	43	7.3(20)	
o-Xylene	47.2	1.3	50	0	94	69	130	43.37	8.4(20)	
Surr: 1,2-Dichloroethane-d4	41.7		50		83	70	130			
Surr: Toluene-d8	44.1		50		88	70	130			
Surr: 4-Bromofluorobenzene	49.6		50		99	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.

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 : STR15060342
Report Due By : 5:00 PM On : 03-Jun-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 # : 16151, 16150 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	03-Jun-15	03-Jun-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_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15060342-01A	Grim A EFF	AR	06/02/15 06:43	1	0	0	GAS-N/C		8260/Oxys_S						Tedlar.
STR15060342-02A	Grim W EFF	AQ	06/02/15 06:25	6	0	0		GAS-C		8260/Oxys_Cs					

Comments: ASAP TAT. Security seals intact. Frozen ice. Chains combined by job name and split by TATs for reporting purposes. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	6/3/15 1015

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: Debby
Address: 3330 Cameron Park DR
City, State, Zip: Cameron Pk
Phone Number: _____ Fax: _____

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

16151

Page # 1 of 1

Consultant/ Client Info:
Company: Stantec
Address: _____
City, State, Zip: _____

Job and Purchase Order Info:
Job #
Job Name: Grimm Auto
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: T0600100667
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	BTEX	MTBE	VOCs PCE TCE	Vinyl chloride chlorobenzene						Remarks
0640	6/2/15	AR	[redacted]	Grm A Sys Inf	STD	1		X	X	X	X	X	X						
0643	6/2/15	AIR	[redacted]	Grm A Eff	24	1		X	X	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: A. Rhile

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature] Stantec	6/2/15	1150	Meryssa T	6-2-15	1150
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation): [signature]	6/3/15	1000
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* 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.

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

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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

16150

Page # 1 of 1

Billing Information:

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

Consultant/ Client Info:

Company: Stratus
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Grimit Auto
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: T0600100667
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	BTEX	MTBE	1,2 DCA Napthalene	VOC's PCE TCE Vinylchloride						Remarks
0635	6-2	AQ		Grim W INF	STD	6		X	X	X	X	X	X						
0630				Grim W GAC 1	STD	6		X	X	X	X	X	X						
0625		AQ	STR1506[illegible]-02	Grim W EFF	24	6		X	X	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: C Hill

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	6-2-15	1140	Meryssa T	6-2-15	1150
			[signature]	6/3/15	1000

* 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.

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

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:	2nd Quarter 2015 Geo Well
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	GEO_WELL.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	7/6/2015 2:01:05 PM
Confirmation Number:	7489433050

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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Submittal Type:	EDF
Report Title:	2nd Quarter 2015 Groundwater Monitoring Analytical Results
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15070145_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	7/22/2015 3:23:20 PM
Confirmation Number:	9669257879

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

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Submittal Type:	EDF
Report Title:	2Q15 QSR 5-5-15 WEFF
Report Type:	Remedial Progress Report
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15050643_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	7/31/2015 3:03:08 PM
Confirmation Number:	2653845250

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Submittal Type:	EDF
Report Title:	2Q15 QSR 6-6-15 AINF - WINF
Report Type:	Remedial Progress Report
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15060303_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	7/31/2015 3:05:15 PM
Confirmation Number:	4537725865

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Submittal Type:	**EDF**
Report Title:	**2Q15 QSR 6-2-15 AEFF - WEFF**
Report Type:	**Remedial Progress Report**
Facility Global ID:	**T0600100667**
Facility Name:	**GRIMIT AUTO REPAIR & SERVICE**
File Name:	**15060342_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**7/31/2015 3:04:17 PM**
Confirmation Number:	**1581167638**

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Submittal Type:	EDF
Report Title:	2Q15 QSR 5-5-15 AINF
Report Type:	Remedial Progress Report
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15050648_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	7/31/2015 2:59:42 PM
Confirmation Number:	1629373908

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Submittal Type:	**EDF**
Report Title:	**2Q15 QSR 5-5-15 AEFF**
Report Type:	**Remedial Progress Report**
Facility Global ID:	**T0600100667**
Facility Name:	**GRIMIT AUTO REPAIR & SERVICE**
File Name:	**15050644_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**7/31/2015 3:01:14 PM**
Confirmation Number:	**5248222112**

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Submittal Type:	EDF
Report Title:	2Q15 QSR 5-5-15 WINF
Report Type:	Remedial Progress Report
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15050652_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	7/31/2015 3:02:13 PM
Confirmation Number:	7210699498

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Submittal Type:	**EDF**
Report Title:	**2Q15 QSR 4-2-15 AINF-AEFF**
Report Type:	**Remedial Progress Report**
Facility Global ID:	**T0600100667**
Facility Name:	**GRIMIT AUTO REPAIR & SERVICE**
File Name:	**15040248.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**8/3/2015 5:23:40 PM**
Confirmation Number:	**9349067032**

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

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Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	2Q15 QSR 4-2-15 WINF
Report Type:	Remedial Progress Report
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15040343_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	8/3/2015 12:01:05 PM
Confirmation Number:	7735460281

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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:	**2Q15 QSR 4-2-15 WEFF**
Report Type:	**Remedial Progress Report**
Facility Global ID:	**T0600100667**
Facility Name:	**GRIMIT AUTO REPAIR & SERVICE**
File Name:	**15040341_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**8/3/2015 11:59:40 AM**
Confirmation Number:	**5331079840**

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