RECEIVED
By Alameda County Environmental Health 3:46 pm, May 19, 2015

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. Keith Nowell,

Stratus Environmental, Inc. (Stratus) has recently prepared a report entitled *Groundwater Monitoring and Remediation Status Report, First 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

April 30, 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
First 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 first 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, First 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 April 30, 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 (First Quarter 2015):

1. During the first 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. The first quarter 2015 groundwater monitoring and sampling event was conducted on February 24, 2015.

WORK PROPOSED FOR NEXT PERIOD (Second and Third Quarters 2015):

1. Stratus will continue DPE through at least May 2015. The site will be evaluated on an ongoing basis in order to assess whether further DPE beyond May 2015 is appropriate.

2. In order to collect additional data useful for evaluating remedial progress, groundwater samples will be collected from the site's well network during both the second and third quarter 2015. Tentatively, second quarter 2015 well sampling is scheduled for completion in June 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:	February 24, 2015
Is Free Product (FP) Present on Site:	Intermittently at well MW-1; petroleum sheen noted on February 24, 2015
Depth to Groundwater:	3.87 to 25.80 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.

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):	45 mg/m^3 (3/10/15)
Influent Benzene Conc. End of Period (lab):	<0.20 mg/m^3 (3/10/15)
Influent MTBE Conc. End of Period (lab):	<0.20 mg/m^3 (3/10/15)
Average Flow Rate:	120.0 acfm (between 12/29/14 and 3/23/15)
Average Applied Vacuum:	10.5 inches Hg (between 12/29/14 and 3/23/15)
GRO Destroyed this Period:	22.5 lbs (between 12/18/14 and 3/10/15)
Operating Hours this Period:	2,016.0 hrs. (between 12/29/14 and 3/23/15)
Percent Time Operational (average):	100% (between 12/29/14 and 3/23/15)
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) (3/10/15)
Benzene Concentration End of Period (lab):	<0.50 µg/L (system influent) (3/10/15)
MTBE Concentration End of Period (lab):	<0.50 µg/L (system influent) (3/10/15)
Average Groundwater Extraction Rate:	0.09 gpm (average between 12/19/14 and 3/10/15)
GRO extracted this period:	0.004 lbs (between 12/19/14 and 3/10/15)
Groundwater Discharged this Period:	10,390 gallons (between 12/19/14 and 3/10/15)

FINDINGS AND DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on February 24, 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-1 through MW-8 were sampled after a 2.5 to 3 well casing volume purge (wells MW-4 through MW-6 had limited recharge). A grab sample was collected from well MW-9, due to slow recharge rates into the well. 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 2.87 to 25.80 feet below the top of the well casing on February 24, 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).

In general, VOC impact to shallow groundwater is limited to the area immediately surrounding 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 February 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 concentrations of GRO (17,000 micrograms per liter [µg/L]) and benzene (400 µg/L) were reported in the sample collected from well MW-1. GRO and benzene were also detected in samples collected from wells MW-4 (350 µg/L and 7.2 µg/L, respectively), MW-6 (570 µg/L and 32 µg/L, respectively), MW-7 (2,100 µg/L and 47 µg/L, respectively), and MW-9 (2,800 µg/L and 5.8 µg/L, respectively). GRO was also detected in well MW-5 (80 µg/L). Oil and grease was reported in the MW-1 260,000 µg/L without silica gel treatment, 130,000 µg/L with silica gel treatment) and MW-4 (15,000 µg/L without silica gel treatment, 11,000 µg/L with silica gel treatment) well samples. MTBE was only detected in one well sample (MW-4, 1.2 µg/L).

VOCs were detected in the samples collected from wells MW-4, MW-7, and MW-8, consistent with the findings of previous work. At well MW-7, vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethane (trans-1,2-DCE) were detected at concentrations of 210 µg/L, 530 µg/L, and 11 µg/L, respectively. At well MW-8, tetrachloroethene (PCE), trichloroethene (TCE), VC, and cis-1,2-DCE were detected at concentrations of 4.1 µg/L, 3.8 µg/L, 1.2 µg/L, and 7.9 µg/L, respectively. At well MW-4, 1,2-dichlorobenzene (9.1 µg/L), 1,3-dichlorobenzene (6.5 µg/L), 1,4-dichlorobenzene (4.4 µg/L), TCE (8.7 µg/L), VC (18 µg/L), cis-1,2-DCE (110 µg/L), and trans-1,2-dichloroethane (9.4 µg/L) were reported in the collected sample. TCE (2.0 µg/L) was also detected in well MW-2, and 1,2-dichlorbenzene (8.8 µg/L) and cis-1,2-DCE (21 µg/L) were also detected in the MW-1 well sample.

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 April 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 – First Quarter 2015

During the first quarter 2015, Stratus visited the site six times (January 5 and 19, February 2 and 16, March 10 and 23, 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 December 29, 2014 and March 23, 2015, the remediation system operated for approximately 2,016 hours (100% uptime during this period), at an average flow rate of approximately 120 acfm at an average applied vacuum of approximately 10.5 inches of mercury ("Hg). DPE was performed using wells EX-1, EX-2, EX-3 and EX-6 for extraction, and on March 23, 2015 well MW-1 was added to the system as an additional extraction well. Approximately 10,390 gallons of groundwater were extracted and treated between December 19, 2014 and March 10, 2015.

System influent and effluent vapor samples were collected from the SVE portion of the system on January 5, February 2, and March 10, 2015. Influent GRO concentrations were observed to increase from less than 0.20 milligrams per cubic meter (mg/m^3) to 45 mg/m^3, and the influent total xylenes concentration fluctuated from below reporting limits to 27 mg/m^3. Using the available analytical data and information collected during O&M site visits (air flow rates, hour meter readings, etc.), Stratus estimates that approximately 22.5 pounds of GRO were removed from the subsurface, in the vapor phase, between December 18, 2014 and March 10 2015, and a total of 22.6 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 were detected in the effluent air samples; therefore, the remediation system is operating in compliance with the BAAQMD permit.

Between December 19, 2014 and March 10, 2015, approximately 10,390 gallons of groundwater were extracted from the subsurface, treated on-site, and discharged to the sanitary sewer system. Based on flow totalizer measurements, groundwater is being extracted at a rate of approximately 0.09 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 January 5, February 2, and March 10, 2015. Analytical results indicate only the presence of total xylenes in the influent samples, which fluctuated from below laboratory detection limits (less than 0.50 µg/L) to 0.83 µg/L. All constituents of concern (GRO, BTEX, naphthalene, PCE, TCE, vinyl chloride, and 1,2-DCA) 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

As noted above, contaminant mass extraction rates beneath the site are relatively low. However, in general, DPE work appears to be resulting in a decline in petroleum hydrocarbon 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 February 2015 (following approximately 2 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
% Reduction	29.2	76.7	97.3	N/A	58.8

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
% Reduction	N/A	80.5	>97	N/A	76.5

Note: Well MW-9 was not sampled during the first or third quarter 2014 due to low groundwater recharge rates. Samples collected from wells MW-2, MW-3, and MW-8 are consistently absent of petroleum hydrocarbons.

The data above illustrates that at 3 of the five wells (MW-4, MW-5, and MW-7), GRO concentrations declined over 50 percent since September 2014 and benzene concentrations declined by over 75 percent since September 2014.

Although well MW-1 is situated in close proximity to extraction well EX-3, which is connected to the DPE system, a petroleum sheen in well MW-1 remains persistent. Given this condition, Stratus modified the remediation system on March 23, 2015 to begin extracting from MW-1 in an attempt to improve groundwater quality in this area of the site.

Given the necessity of reducing petroleum hydrocarbon concentrations and sheen at well MW-1, Stratus anticipates continuing DPE through at least May 2015. 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 during the spring, summer, and fall months of 2015, in the event that continued DPE is deemed necessary and appropriate for the site.

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 Avenue, 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

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	07/22/00	13.73	36.40	--	22.67
(deep)	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

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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

TABLE 1
GROUNDWATER ELEVATION SUMMARY
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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 (deep)	07/22/00	20.67	36.47	--	15.80
	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

TABLE 1
GROUNDWATER ELEVATION SUMMARY
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	07/22/00	21.42	36.77	--	15.35
(deep)	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

TABLE 1
GROUNDWATER ELEVATION SUMMARY
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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

TABLE 1
GROUNDWATER ELEVATION SUMMARY
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	07/22/00	19.85	36.83	--	16.98
(deep)	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

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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

TABLE 1
GROUNDWATER ELEVATION SUMMARY

Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	07/22/00	15.78	36.70	--	20.92
(shallow)	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

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 Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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 (deep)	07/22/00	2,700	7,000[1,2]	940	14	31	12	--
	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]	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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]	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	--

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY FOR PETROLEUM HYDROCARBONS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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 HEM / SGT HEM
[4]= Reporting limits were increased due to high concentrations of target analytes.

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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]
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
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

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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]
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
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

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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]
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

TABLE 3
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	0.75	<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	--	--	--	--	--	--	--	--	--
	09/30/14	--	--	--	--	--	--	--	--	--
	02/24/15	<1.0[1]	<20[1]	<2.0[1]	--	<2.0[1]	--	--	<2.0[1]	<4.0[1]

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 Avenue, 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]
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

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

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

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

TABLE 4
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
Grimit Auto Repair & Automotive Service, 1970 Seminary Avenue, 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]

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	1450	1002	0.0218	65	2504	55	30	3.6
11/20/14 10:00		15,632.1	10.5	0.0873	95	1,500	130.9	1543	1253	0.0218	72	2222	48	410	2.9
11/20/14 11:00		15,632.1	10.0	0.0873	80	1,500	130.9	1554	1285	0.0218	60	2260	49	35	2.3
11/20/14 12:00		15,632.1	10.0	0.0873	80	1,500	130.9	1559	1311	0.0218	67	2186	48	40	2.1
11/21/14 7:00		15,632.1	10.0	0.0873	90	1,500	130.9	1537	1368	0.0218	65	2140	47	20	2.0
11/25/14 10:10	2	15,632.0	10.0	0.0873	90	1,500	130.9	1450	1224	0.0218	--	--	--	58	2.1
12/18/14 7:30	3	0.0	13.5	0.0873	92	1,500	130.9	1484	--	0.0218	64	2503	55	8	1.2
12/19/14 7:00		20.0	13.0	0.0873	90	1,500	130.9	1492	1305	0.0218	61	2910	63	100	1.2
12/29/14 7:15		260.0	7.5	0.0873	82	1,500	130.9	1500	1430	0.0218	--	--	--	10	1.3
1/5/15 8:50		430.0	8.0	0.0873	100	1,500	130.9	1451	1259	0.0218	57	3020	66	10	2.1
1/19/15 8:00		765.0	10.0	0.0873	90	1,400	122.2	1491	1303	0.0218	63	3122	68	5	1.1
2/2/15 8:00		1,101.0	11.0	0.0873	95	1,500	130.9	1452	1268	0.0218	60	3233	71	1.4	0.8
2/16/15 7:15		1,436.0	11.0	0.0873	90	1,350	117.8	1485	1308	0.0218	58	3314	72	2.0	0.8
3/10/15 8:30		1,965.0	11.0	0.0873	90	1,250	109.1	1493	1311	0.0218	63	2971	65	15	2.1
3/23/15 7:50	4	2,276.0	12.0	0.0873	92	1,250	109.1	1504	--	0.0218	64	3418	75	47	1.0
Average			11		89	1,450	126.5	1496	1279		63	2754	60	53	1.8

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)

TABLE 5
DPE REMEDIATION EVENT
OPERATIONAL UPTIME AND FLOW SUMMARY
Grimit Auto, 1970 Seminary Ave, Oakland, California

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
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	Flowrate *		Influent	Vacuum	Sample	Lab Sample	Analyses (mg/m^3)									
		Time	(acfm)	(scfm)	Temp. (°F)	"Hg	Location	Number	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

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 rate = Flow was taken on positive side of blower, no pressure correction factor needed.

Temperature Corrected influent flow = 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.

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

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^3/35.314ft^3)

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

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	--

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	0.0020
2/2/15		8:35	1,101.0	221,340	2,160	6,650	0.05	<50	0.0009	0.0022
3/10/15		9:22	1,965.0	226,420	5,080	11,730	0.10	<50	0.0021	0.0030

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.

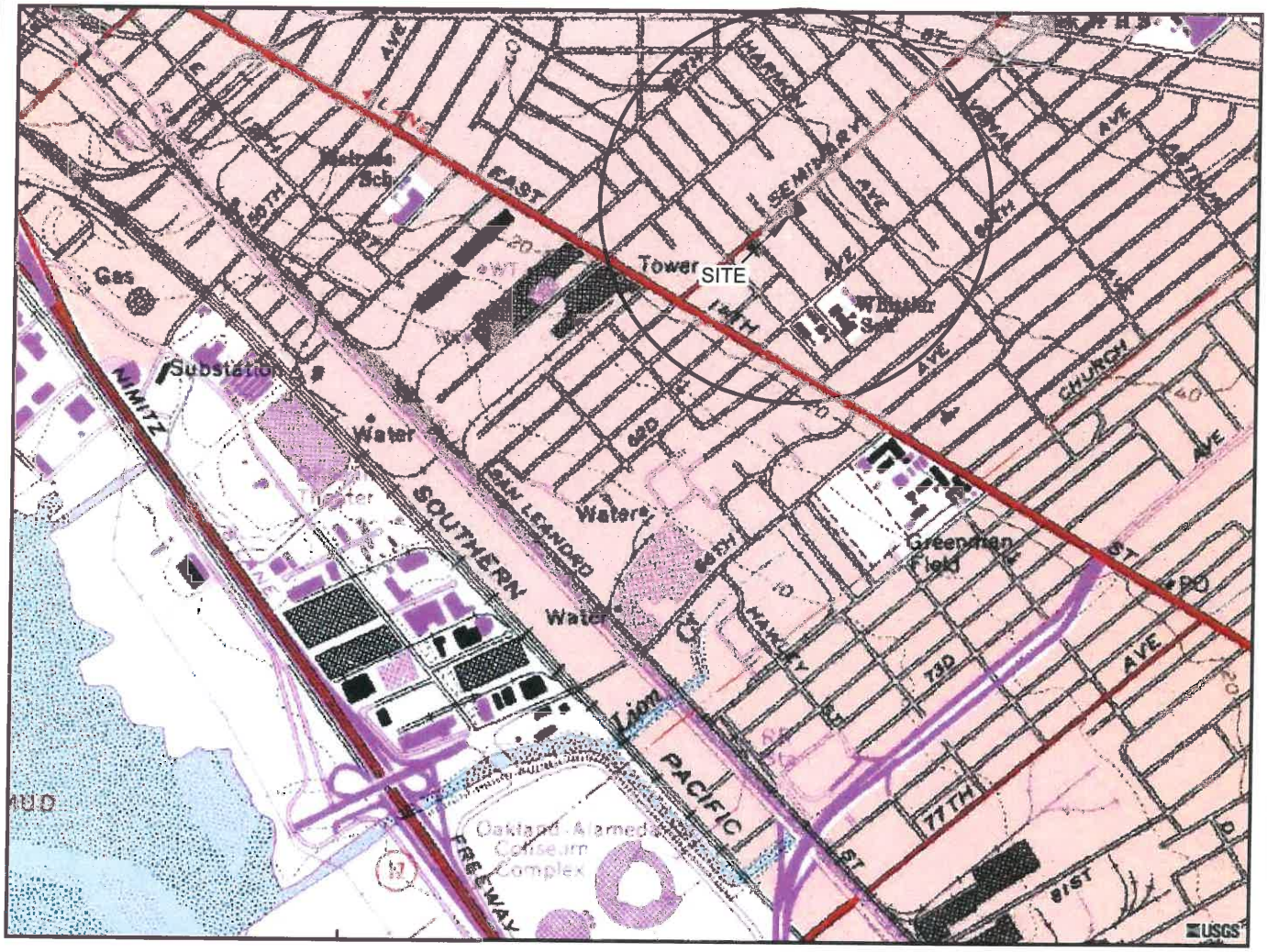
[b] Mass removed this period (pounds) = Average concentration (µg/L)[between the sample dates] x Period gallons x (2.2046×10^{-9})(lb/µg) / 0.26418 (gal/L)

[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

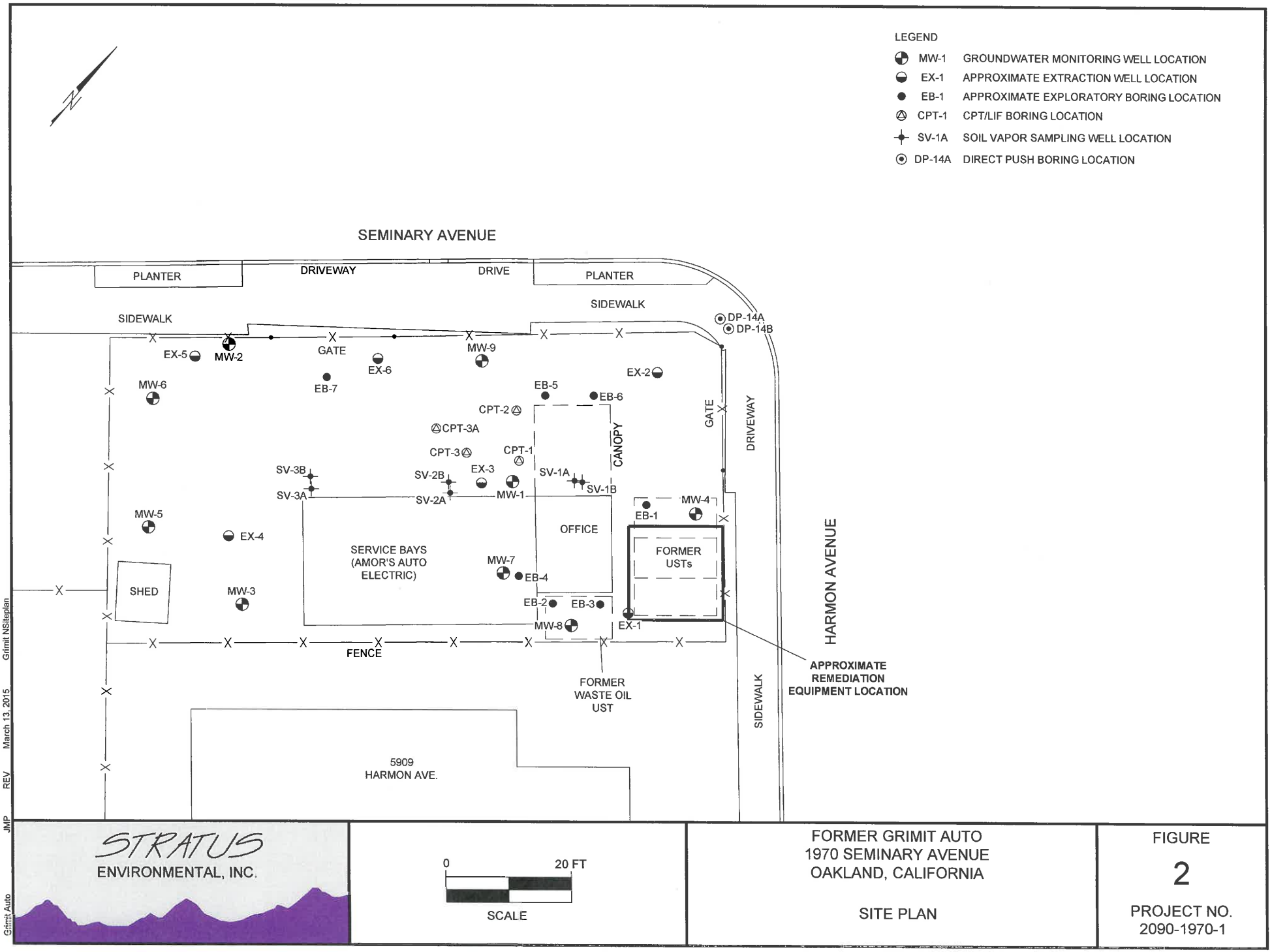
N

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



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

STRATUS ENVIRONMENTAL, INC.

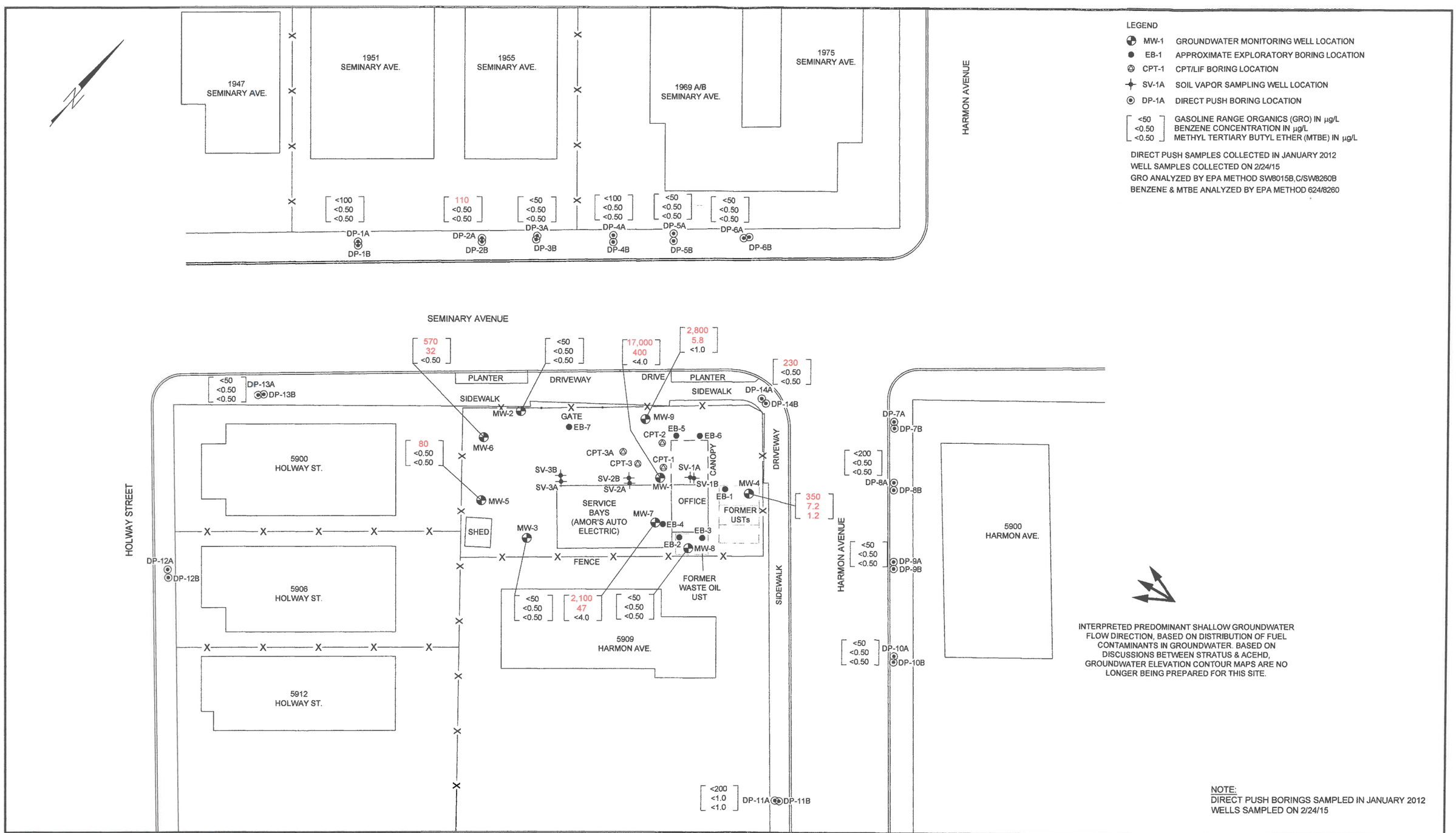
PATH NAME: Grimit Auto
DRAFTER INITIALS: JMP
DATE LAST REVISED: March 13, 2015
FILENAME: Grimit Site Vicinity Map

0 30 FT
SCALE

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE VICINITY MAP

FIGURE
3
PROJECT NO.
2090-1970-1

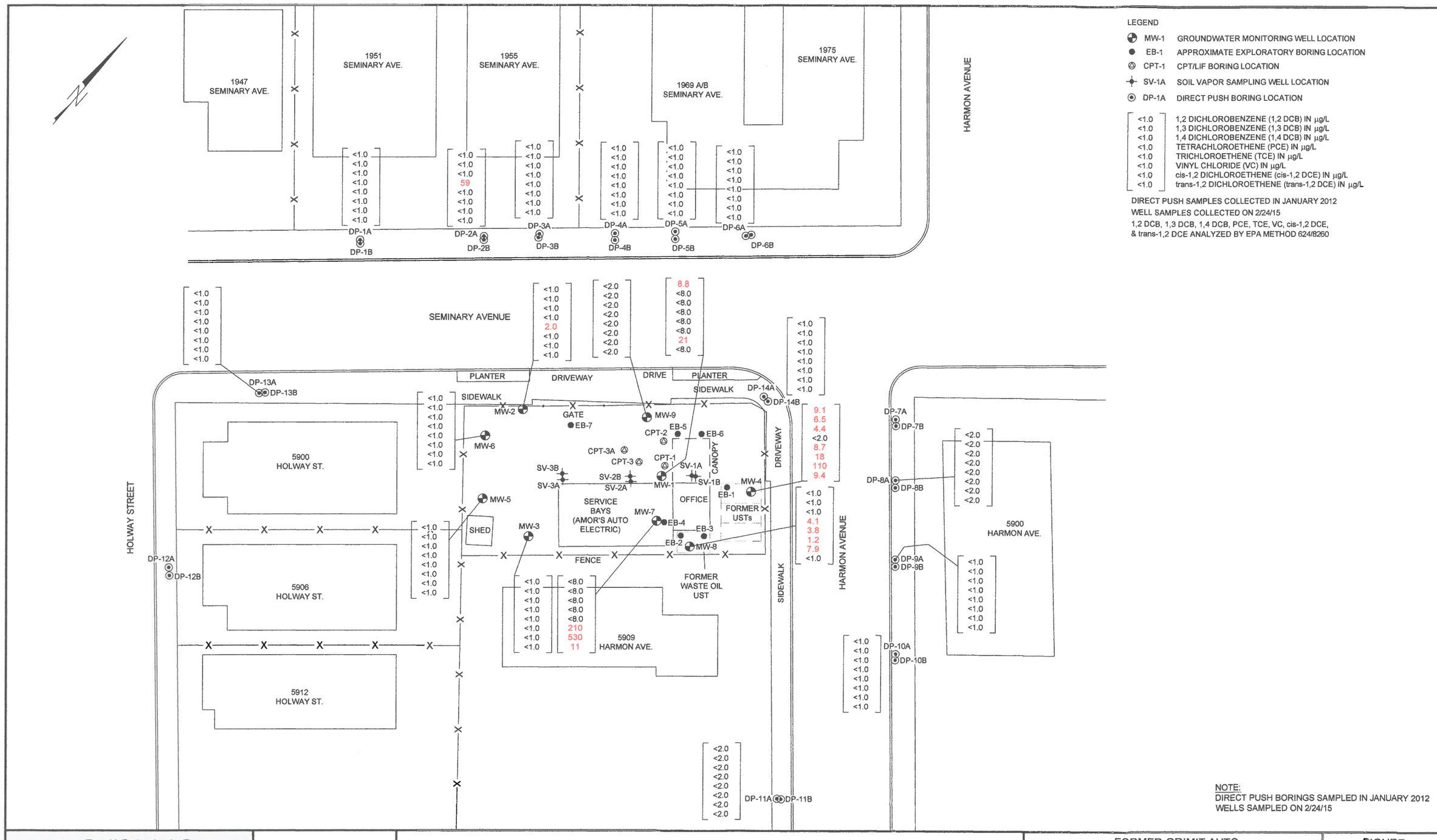


STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto\Quarterly
DRAFTER INITIALS: JMP
DATE LAST REVISED: March 13, 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



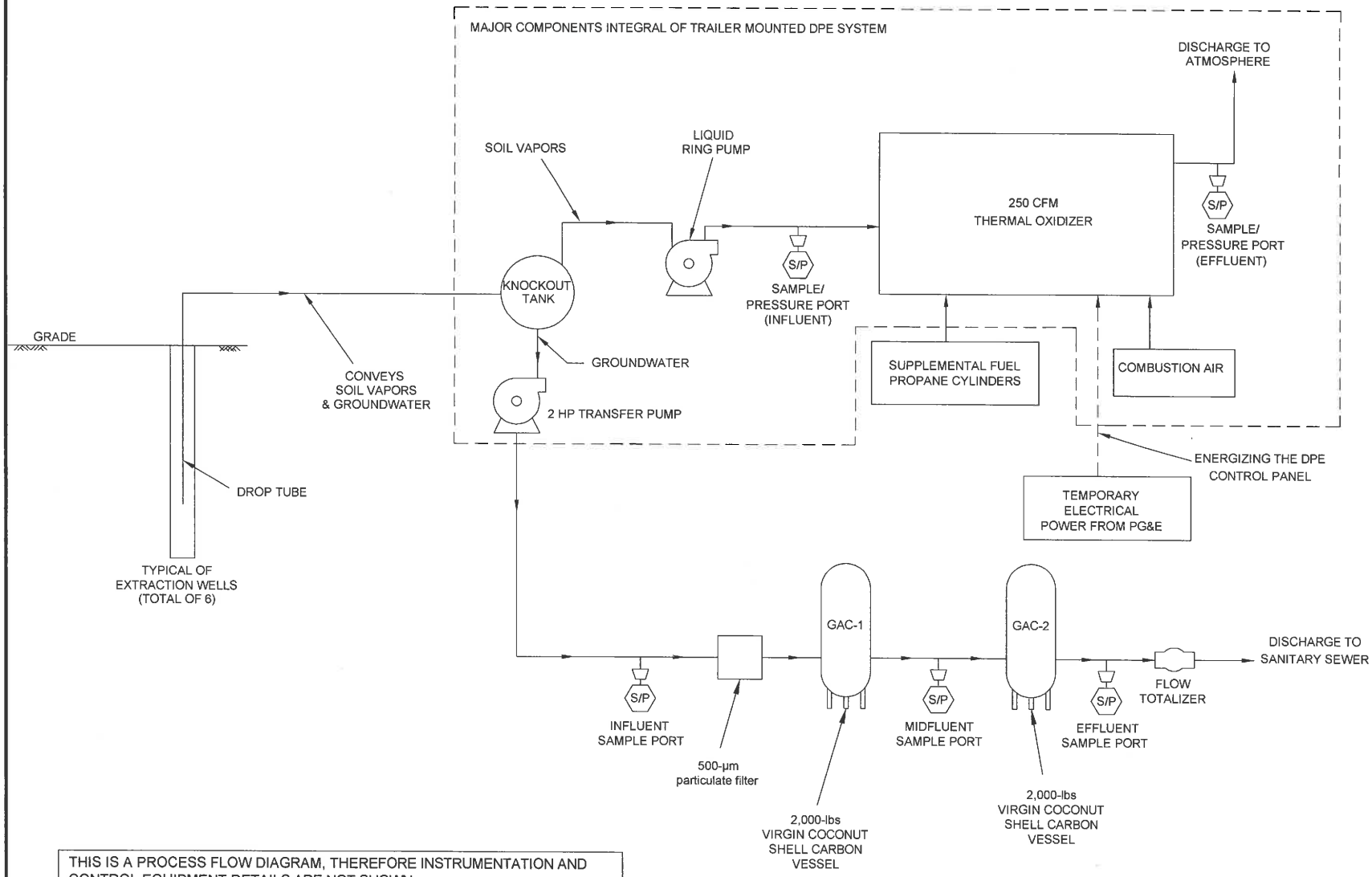
STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto\Quarterly
DRAFTER INITIALS: JMP
DATE LAST REVISED: March 13, 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 2-24-15

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	0916		25.80	34.60	8.8	2	.5	4	4		X				MW 1	1257	0.87
MW 2	0902		12.80	35.10	22.6	2	.5	11	11		X			23.05	MW 2	1209	1.34
MW 3	0915		7.77	20.40	12.63	2	.5	6	0		X			14.80	MW 3	1233	1.10
MW 4	0748		22.50	34.60	12.10	2	.5	6	5 Dry		X			26.80	MW 4	1138	3.21
MW 5	0904		23.51	34.42	11.41	2	.5	6	5 Dry		X			26.10	MW 5	1222	3.06
MW 6	0905		9.49	18.25	8.76	2	.5	4	3 Dry		X			10.56	MW 6	1213	1.02
MW 7	0908		25.54	31.88	6.33	2	.5	3	3		X			26.12	MW 7	1244	1.21
MW 8	0909		3.87	19.12	15.25	2	.5	7	7		X			8.93	MW 8	1150	1.10
MW 9	0906		18.70	20.15	1.35	2	.5	.6	-	X					MW 9	0930	-

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

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

CALIBRATION DATE
pH 2-23-15
Conductivity
DO

T:\Forms

8 - 2.32
MW 2 + 4.95
MW 4 - 3.52

ORIGINAL

STRATUS ENVIRONMENTAL, INC.

Site Address 1970 Sammy Ave
City Oakland
Sampled By:
Signature

Site Number Grimit Alley
Project Number
Project PM Scott
DATE 2-24-15

Well ID MW4				6
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 0756	14.6	7.71	105.7	2
time 0759	15.4	7.76	108.8	3
time 0804	16.8	7.81	111.4	5 DRY
time				
purge stop time 3.21			ORP 317	

Well ID MW2				11
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 0940	15.6	6.17	104.3	2
time 0946	17.5	6.28	108.1	5
time 0951	16.3	6.21	107.6	11
time				
purge stop time 1.34			ORP 328	

Well ID MW6				6
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1021	16.3	6.62	1028	2
time 1026	16.4	6.60	104.0	3 DRY
time				
time				
purge stop time 1.02			ORP 320	

Well ID MW3				6
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1045	15.7	6.40	97.8	2
time 1050	15.9	6.44	98.2	3
time 1054	16.1	6.42	98.5	6
time				
purge stop time 1.10			ORP 348	

Well ID MW8				7
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1108	16.3	6.40	91.6	2
time 1113	15.7	6.33	87.8	3
time 1117	15.1	6.47	84.2	7
time				
purge stop time 1.10			ORP 339	

Well ID MW5				6
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1031	16.3	6.43	101.4	2
time 1034	16.4	6.37	102.4	3
time 1039	16.4	6.41	101.5	5 DRY
time				
purge stop time 3.06			ORP 343	

Well ID MW7				3
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1059	17.2	6.26	105.0	2
time 11.04	17.1	6.35	106.3	3
time				
time				
purge stop time 421			ORP 350	

Well ID MW4 Sheen				4
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 1123	18.2	6.35	103.5	2
time				4 DRY
time				
time				
purge stop time 8.87			ORP 347	

224 gal

1 1815 21469.0

Billing Information:

Company: Stantec
Attn: Scott
Address: 3330 Cameron Pk
City, State, Zip: Cameron Pk
Phone Number: 530-676-6004 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

12163

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: T0600100067
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: BRO	BTEX	5 Oxys	1,2 DCA	EDB	Oil & Grease	Halogenated Vol.					Remarks
1259	2/23	AQ		MW1	STD	N	3	X	X	X	X	X	X	X					
1203				MW2			3												
1233				MW3			3												
1136				MW4			5												
1222				MW5			5												
1213				MW6			3												
1244				MW7			3												
1150				MW8			8												
1431				MW9			7	X	X	X	X	X	X	X					

ADDITIONAL INSTRUCTIONS: Oil + Grease with 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: CHL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	2/24/15	1507	Melissa T	2-24-15	1509
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 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.

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

ORIGINAL

Date:	1/5/15	Technician:	CHILC
Onsite Time:	0850	Project Engineer:	Dupton
Offsite Time:	1015	Weather Conditions:	Clear
		Ambient Temperature:	48

System Information

System Status Upon Arrival:	Operational ☒	Non-Operational ☐	
System Status Upon Departure:	Operational ☒	Non-Operational ☐	
Electric Meter Reading:	6282		
Hour Meter Reading:	04430	Chart Recorder Paper Replaced	☒ Yes ☐ No
Propane Usage:	30 %		
Totalizer Reading on DPE Unit:	219180 (219180)	Inf pH	8.13
		Eff pH	7.65
		Dilution Air Pipe Diameter	2"
Combustion Chamber Operating Temperature:	1451	Dilution Air Flow/Temp	3020/53°F

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	8" Hg			
Temperature, deg F		100	1259	
PID Readings, ppmv		10	2.1	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1	21	100			MW-1		
EX-2	19	100			X MW-2	12.76	+16.62
EX-3	24	100			MW-3		
EX-4	—	0			MW-4	19.29	-.04
EX-5	—	0			MW-5		
EX-6	20	100			MW-6		
					MW-7		
					X MW-8	3.35	-22.80
					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 1027018-03	1515 0907	I WINF	1515 0925
E AEFF 1027018-02	1515 0905	I WGAC1	1515 0922
		I WEFF	1515 0918

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:	1/9/13	Technician:	CHILL
Onsite Time:	0800	Project Engineer:	Debbie
Offsite Time:	0900	Weather Conditions:	Clear
		Ambient Temperature:	55

System Information

System Status Upon Arrival:	Operational [X]	Non-Operational [ ]	
System Status Upon Departure:	Operational [X]	Non-Operational [ ]	
Electric Meter Reading:	10124		
Hour Meter Reading:	765	Chart Recorder Paper Replaced	[X] Yes [ ] No
Propane Usage:	30 0/0		
Totalizer Reading on DPE Unit:	220380	Inf pH	
		Eff pH	
		Dilution Air Pipe Diameter	2
Combustion Chamber Operating Temperature:	1491	Dilution Air Flow/Temp	3122/63

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1400		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, ~~"Hg~~ "WC	10" H6			
Temperature, deg F		90	1303	
PID Readings, ppmv		5	1.1	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1	23	100	.3		MW-1		
EX-2	19	100	.2		MW-2		
EX-3	24	100	0		MW-3		
EX-4	-				MW-4	20.84	-1.88
EX-5	-				MW-5		
EX-6	20	100	1		MW-6		
					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:	2-2-15	Technician:	CHILL
Onsite Time:	0800	Project Engineer:	Dubbie
Offsite Time:	0900	Weather Conditions:	Clear
		Ambient Temperature:	50

System Information

System Status Upon Arrival:	Operational ☒	Non-Operational ☐	
System Status Upon Departure:	Operational ☒	Non-Operational ☐	
Electric Meter Reading:	13960		
Hour Meter Reading:	1101	Chart Recorder Paper Replaced	☒ Yes ☐ No
Propane Usage:	25%		
Totalizer Reading on DPE Unit:	221340	Inf pH	8.09
		Eff pH	9.71
		Dilution Air Pipe Diameter	2
Combustion Chamber Operating Temperature:	1452	Dilution Air Flow/Temp	3233/60

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	11"Hg			
Temperature, deg F		95	1268	
PID Readings, ppmv		1.4	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	21.51	-6.60
EX-5					MW-5		
EX-6		100			MW-6		
					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 1021018-13	2215 0815	I WINF	2215 0835
E AEFF 1021018-14	2215 0815	I WGAC1	0830
		I WEFF	0825

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:	2-16-15	Technician:	CHIC
Onsite Time:	0715	Project Engineer:	Dublin
Offsite Time:	0800	Weather Conditions:	Clear
		Ambient Temperature:	50

System Information

System Status Upon Arrival:	Operational	☒	Non-Operational	☐	
System Status Upon Departure:	Operational	☒	Non-Operational	☐	
Electric Meter Reading:	17754				
Hour Meter Reading:	1436	Chart Recorder Paper Replaced	☒ Yes	☐ No	
Propane Usage:	320				
Totalizer Reading on DPE Unit:	223410	Inf pH			
		Eff pH			
		Dilution Air Pipe Diameter	2		
Combustion Chamber Operating Temperature:	1485	Dilution Air Flow/Temp	3314 / 58		

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)	11" Hg			
Temperature, deg F		90	1308	
PID Readings, ppmv		2.0	2.8	

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	20.34	-15.40
EX-5					MW-5		
EX-6		100			MW-6		
					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:	3-10-15	Technician:	CHILL
Onsite Time:	0930	Project Engineer:	Debbie
Offsite Time:	0950	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:	23724				
Hour Meter Reading:	1965	Chart Recorder Paper Replaced	☒	Yes	
Propane Usage:	70%		☐	No	
		Inf pH	8.24		
Totalizer Reading on DPE Unit:	226420	Eff pH	8.31		
		Dilution Air Pipe Diameter	2		
Combustion Chamber Operating Temperature:	1493	Dilution Air Flow/Temp	2975/63		

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	11" Hg			
Temperature, deg F		90	1311	
PID Readings, ppmv		15	2.1	

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	12.94	-.40
EX-3		100			MW-3		
EX-4		0			MW-4	21.55	-32.60
EX-5		0			MW-5		
EX-6		100			MW-6		
					MW-7		
					MW-8	4.50	-5.28
					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 02	31015 0908	I WINF	31015 0922
E AEFF 102798-03	" 0905	I WGAC1	" 0918
		I WEFF	" 0913

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: 3-23-15
Onsite Time: 0750
Offsite Time: 1000
Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Rain
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 27214
Hour Meter Reading: 2276
Chart Recorder Paper Replaced [X] Yes [ ] No
Propane Usage: 30 %
Inf pH
Eff pH
Totalizer Reading on DPE Unit: 227800
Dilution Air Pipe Diameter: 2
Combustion Chamber Operating Temperature: 1504
Dilution Air Flow/Temp 3418/64

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		92		
PID Readings, ppmv		47	1.0	67 PPM After MW-1 Added

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	15.39	-6.75
EX-3		100			MW-3		
EX-4		8			MW-4	21.69	-47.14
EX-5		8			MW-5		
EX-6		100			MW-6		
MW-1		100	1' off Bottom		MW-7		
					MW-8	4.68	-1.41
					MW-9		

Add MW-1 To System 1' off Bottom

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

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

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

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

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

Subjective Analysis of Ground Water

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

Monitoring Well Purging and Sampling

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

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

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

QUALITY ASSURANCE PLAN

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

General Sample Collection and Handling Procedures

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

Soil and Water Sample Labeling and Preservation

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

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

Sample Identification and Chain-of-Custody Procedures

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

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

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

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

Equipment Cleaning

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

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

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

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

Internal Quality Assurance Checks

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

- Laboratory Quality Assurance

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

- Field Quality Assurance

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

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

Types of Quality Control Checks

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

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

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

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

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

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

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

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 02/25/15

Job: Grimit Auto

Oil and Grease, HEM
EPA Method 1664A

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**					
Lab ID : STR15022540-01A	Oil & Grease, HEM	260,000	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 12:55					
Client ID: **MW-2**					
Lab ID : STR15022540-02A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 12:03					
Client ID: **MW-3**					
Lab ID : STR15022540-03A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 12:33					
Client ID: **MW-4**					
Lab ID : STR15022540-04A	Oil & Grease, HEM	15,000	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 11:38					
Client ID: **MW-5**					
Lab ID : STR15022540-05A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 12:22					
Client ID: **MW-6**					
Lab ID : STR15022540-06A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 12:13					
Client ID: **MW-7**					
Lab ID : STR15022540-07A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 12:44					
Client ID: **MW-8**					
Lab ID : STR15022540-08A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 11:50					
Client ID: **MW-9**					
Lab ID : STR15022540-09A	Oil & Grease, HEM	ND	5,000 µg/L	02/26/15	02/26/15
Date Sampled 02/24/15 09:30					

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HEM = Hexane Extractable Material

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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

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

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

3/5/15

Report Date

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 : 02/25/15

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 : STR15022540-01A	Oil & Grease, SGT-HEM	130,000	5,000 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:55					
Client ID: **MW-4**					
Lab ID : STR15022540-04A	Oil & Grease, SGT-HEM	11,000	5,000 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 11:38					

SGT-HEM = Silica Gel Treated Hexane Extractable Material
This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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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 : 02/25/15

Job: Grimit Auto

Total Petroleum Hydrocarbons - Purgeable
EPA Method SW8015B/C / SW8260B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**				
Lab ID : STR15022540-01A TPH-P (GRO)	17,000	800 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:55				
Client ID: **MW-2**				
Lab ID : STR15022540-02A TPH-P (GRO)	ND	50 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:03				
Client ID: **MW-3**				
Lab ID : STR15022540-03A TPH-P (GRO)	ND	50 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:33				
Client ID: **MW-4**				
Lab ID : STR15022540-04A TPH-P (GRO)	350	200 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 11:38				
Client ID: **MW-5**				
Lab ID : STR15022540-05A TPH-P (GRO)	80	50 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:22				
Client ID: **MW-6**				
Lab ID : STR15022540-06A TPH-P (GRO)	570	50 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:13				
Client ID: **MW-7**				
Lab ID : STR15022540-07A TPH-P (GRO)	2,100	800 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 12:44				
Client ID: **MW-8**				
Lab ID : STR15022540-08A TPH-P (GRO)	ND	50 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 11:50				
Client ID: **MW-9**				
Lab ID : STR15022540-09A TPH-P (GRO)	2,800	200 µg/L	03/02/15	03/02/15
Date Sampled 02/24/15 09:30				

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Gasoline Range Organics (GRO) C4-C13

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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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.

3/5/15

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: STR15022540-01A
Client I.D. Number: MW-1

Sampled: 02/24/15 12:55
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	32 µg/L
2	Vinyl chloride	ND	8.0 µg/L
3	Chloroethane	ND	8.0 µg/L
4	Bromomethane	ND	32 µg/L
5	Trichlorofluoromethane	ND	8.0 µg/L
6	1,1-Dichloroethene	ND	8.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	80 µg/L
8	Dichloromethane	ND	32 µg/L
9	trans-1,2-Dichloroethene	ND	8.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	4.0 µg/L
11	1,1-Dichloroethane	ND	8.0 µg/L
12	cis-1,2-Dichloroethene	21	8.0 µg/L
13	Chloroform	ND	8.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	8.0 µg/L
15	1,2-Dichloroethane	ND	8.0 µg/L
16	1,1,1-Trichloroethane	ND	8.0 µg/L
17	Carbon tetrachloride	ND	8.0 µg/L
18	Benzene	400	4.0 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	8.0 µg/L
20	1,2-Dichloropropane	ND	8.0 µg/L
21	Trichloroethene	ND	8.0 µg/L
22	Bromodichloromethane	ND	8.0 µg/L
23	cis-1,3-Dichloropropene	ND	8.0 µg/L
24	trans-1,3-Dichloropropene	ND	8.0 µg/L
25	1,1,2-Trichloroethane	ND	8.0 µg/L
26	Toluene	210	4.0 µg/L
27	Dibromochloromethane	ND	8.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	16 µg/L
29	Tetrachloroethene	ND	8.0 µg/L
30	Chlorobenzene	ND	8.0 µg/L
31	Ethylbenzene	560	4.0 µg/L
32	m,p-Xylene	580	4.0 µg/L
33	Bromoform	ND	8.0 µg/L
34	o-Xylene	54	4.0 µg/L
35	1,1,2,2-Tetrachloroethane	ND	8.0 µg/L
36	1,3-Dichlorobenzene	ND	8.0 µg/L
37	1,4-Dichlorobenzene	ND	8.0 µg/L
38	1,2-Dichlorobenzene	8.8	8.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.
This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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3/5/15
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: STR15022540-02A
Client I.D. Number: MW-2

Sampled: 02/24/15 12:03
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

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	cis-1,2-Dichloroethene	ND	1.0 µg/L
13	Chloroform	ND	1.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
15	1,2-Dichloroethane	ND	1.0 µg/L
16	1,1,1-Trichloroethane	ND	1.0 µg/L
17	Carbon tetrachloride	ND	1.0 µg/L
18	Benzene	ND	0.50 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
20	1,2-Dichloropropane	ND	1.0 µg/L
21	Trichloroethene	2.0	1.0 µg/L
22	Bromodichloromethane	ND	1.0 µg/L
23	cis-1,3-Dichloropropene	ND	1.0 µg/L
24	trans-1,3-Dichloropropene	ND	1.0 µg/L
25	1,1,2-Trichloroethane	ND	1.0 µg/L
26	Toluene	ND	0.50 µg/L
27	Dibromochloromethane	ND	1.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	2.0 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

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

3/5/15
Report Date

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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: STR15022540-03A
Client I.D. Number: MW-3

Sampled: 02/24/15 12:33
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

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	cis-1,2-Dichloroethene	ND	1.0 µg/L
13	Chloroform	ND	1.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
15	1,2-Dichloroethane	ND	1.0 µg/L
16	1,1,1-Trichloroethane	ND	1.0 µg/L
17	Carbon tetrachloride	ND	1.0 µg/L
18	Benzene	ND	0.50 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
20	1,2-Dichloropropane	ND	1.0 µg/L
21	Trichloroethene	ND	1.0 µg/L
22	Bromodichloromethane	ND	1.0 µg/L
23	cis-1,3-Dichloropropene	ND	1.0 µg/L
24	trans-1,3-Dichloropropene	ND	1.0 µg/L
25	1,1,2-Trichloroethane	ND	1.0 µg/L
26	Toluene	ND	0.50 µg/L
27	Dibromochloromethane	ND	1.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	2.0 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

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

3/5/15
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: STR15022540-04A
Client I.D. Number: MW-4

Sampled: 02/24/15 11:38
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	18	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	9.4	2.0 µg/L
10	Methyl tert-butyl ether (MTBE)	1.2	1.0 µg/L
11	1,1-Dichloroethane	ND	2.0 µg/L
12	cis-1,2-Dichloroethene	110	2.0 µg/L
13	Chloroform	ND	2.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L
15	1,2-Dichloroethane	ND	2.0 µg/L
16	1,1,1-Trichloroethane	ND	2.0 µg/L
17	Carbon tetrachloride	ND	2.0 µg/L
18	Benzene	7.2	1.0 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L
20	1,2-Dichloropropane	ND	2.0 µg/L
21	Trichloroethene	8.7	2.0 µg/L
22	Bromodichloromethane	ND	2.0 µg/L
23	cis-1,3-Dichloropropene	ND	2.0 µg/L
24	trans-1,3-Dichloropropene	ND	2.0 µg/L
25	1,1,2-Trichloroethane	ND	2.0 µg/L
26	Toluene	ND	1.0 µg/L
27	Dibromochloromethane	ND	2.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	4.0 µg/L
29	Tetrachloroethene	ND	2.0 µg/L
30	Chlorobenzene	ND	2.0 µg/L
31	Ethylbenzene	1.3	1.0 µg/L
32	m,p-Xylene	ND	1.0 µg/L
33	Bromoform	ND	2.0 µg/L
34	o-Xylene	ND	1.0 µg/L
35	1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
36	1,3-Dichlorobenzene	6.5	2.0 µg/L
37	1,4-Dichlorobenzene	4.4	2.0 µg/L
38	1,2-Dichlorobenzene	9.1	2.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.
This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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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.

3/5/15
Report Date

Alpha Analytical, Inc.

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

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: STR15022540-05A
Client I.D. Number: MW-5

Sampled: 02/24/15 12:22
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

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	cis-1,2-Dichloroethene	ND	1.0 µg/L
13	Chloroform	ND	1.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
15	1,2-Dichloroethane	2.5	1.0 µg/L
16	1,1,1-Trichloroethane	ND	1.0 µg/L
17	Carbon tetrachloride	ND	1.0 µg/L
18	Benzene	ND	0.50 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
20	1,2-Dichloropropane	ND	1.0 µg/L
21	Trichloroethene	ND	1.0 µg/L
22	Bromodichloromethane	ND	1.0 µg/L
23	cis-1,3-Dichloropropene	ND	1.0 µg/L
24	trans-1,3-Dichloropropene	ND	1.0 µg/L
25	1,1,2-Trichloroethane	ND	1.0 µg/L
26	Toluene	ND	0.50 µg/L
27	Dibromochloromethane	ND	1.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	2.0 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

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

3/5/15
Report Date

Alpha Analytical, Inc.

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

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: STR15022540-06A
Client I.D. Number: MW-6

Sampled: 02/24/15 12:13
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

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	cis-1,2-Dichloroethene	ND	1.0 µg/L
13	Chloroform	ND	1.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
15	1,2-Dichloroethane	ND	1.0 µg/L
16	1,1,1-Trichloroethane	ND	1.0 µg/L
17	Carbon tetrachloride	ND	1.0 µg/L
18	Benzene	32	0.50 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
20	1,2-Dichloropropane	ND	1.0 µg/L
21	Trichloroethene	ND	1.0 µg/L
22	Bromodichloromethane	ND	1.0 µg/L
23	cis-1,3-Dichloropropene	ND	1.0 µg/L
24	trans-1,3-Dichloropropene	ND	1.0 µg/L
25	1,1,2-Trichloroethane	ND	1.0 µg/L
26	Toluene	2.7	0.50 µg/L
27	Dibromochloromethane	ND	1.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
29	Tetrachloroethene	ND	1.0 µg/L
30	Chlorobenzene	ND	1.0 µg/L
31	Ethylbenzene	37	0.50 µg/L
32	m,p-Xylene	32	0.50 µg/L
33	Bromoform	ND	1.0 µg/L
34	o-Xylene	1.8	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

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

3/5/15
Report Date

Alpha Analytical, Inc.

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

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: STR15022540-07A
Client I.D. Number: MW-7

Sampled: 02/24/15 12:44
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	32 µg/L
2	Vinyl chloride	210	8.0 µg/L
3	Chloroethane	ND	8.0 µg/L
4	Bromomethane	ND	32 µg/L
5	Trichlorofluoromethane	ND	8.0 µg/L
6	1,1-Dichloroethene	ND	8.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	80 µg/L
8	Dichloromethane	ND	32 µg/L
9	trans-1,2-Dichloroethene	11	8.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	4.0 µg/L
11	1,1-Dichloroethane	ND	8.0 µg/L
12	cis-1,2-Dichloroethene	530	8.0 µg/L
13	Chloroform	ND	8.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	8.0 µg/L
15	1,2-Dichloroethane	ND	8.0 µg/L
16	1,1,1-Trichloroethane	ND	8.0 µg/L
17	Carbon tetrachloride	ND	8.0 µg/L
18	Benzene	47	4.0 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	8.0 µg/L
20	1,2-Dichloropropane	ND	8.0 µg/L
21	Trichloroethene	ND	8.0 µg/L
22	Bromodichloromethane	ND	8.0 µg/L
23	cis-1,3-Dichloropropene	ND	8.0 µg/L
24	trans-1,3-Dichloropropene	ND	8.0 µg/L
25	1,1,2-Trichloroethane	ND	8.0 µg/L
26	Toluene	ND	4.0 µg/L
27	Dibromochloromethane	ND	8.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	16 µg/L
29	Tetrachloroethene	ND	8.0 µg/L
30	Chlorobenzene	ND	8.0 µg/L
31	Ethylbenzene	ND	4.0 µg/L
32	m,p-Xylene	ND	4.0 µg/L
33	Bromoform	ND	8.0 µg/L
34	o-Xylene	ND	4.0 µg/L
35	1,1,2,2-Tetrachloroethane	ND	8.0 µg/L
36	1,3-Dichlorobenzene	ND	8.0 µg/L
37	1,4-Dichlorobenzene	ND	8.0 µg/L
38	1,2-Dichlorobenzene	ND	8.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.
This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

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

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3/5/15
Report Date

Alpha Analytical, Inc.

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

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: STR15022540-08A
Client I.D. Number: MW-8

Sampled: 02/24/15 11:50
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	1.2	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	cis-1,2-Dichloroethene	7.9	1.0 µg/L
13	Chloroform	ND	1.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
15	1,2-Dichloroethane	ND	1.0 µg/L
16	1,1,1-Trichloroethane	ND	1.0 µg/L
17	Carbon tetrachloride	ND	1.0 µg/L
18	Benzene	ND	0.50 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
20	1,2-Dichloropropane	ND	1.0 µg/L
21	Trichloroethene	3.8	1.0 µg/L
22	Bromodichloromethane	ND	1.0 µg/L
23	cis-1,3-Dichloropropene	ND	1.0 µg/L
24	trans-1,3-Dichloropropene	ND	1.0 µg/L
25	1,1,2-Trichloroethane	ND	1.0 µg/L
26	Toluene	ND	0.50 µg/L
27	Dibromochloromethane	ND	1.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
29	Tetrachloroethene	4.1	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

This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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3/5/15
Report Date

Alpha Analytical, Inc.

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

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: STR15022540-09A
Client I.D. Number: MW-9

Sampled: 02/24/15 09:30
Received: 02/25/15
Extracted: 03/02/15
Analyzed: 03/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	ND	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	cis-1,2-Dichloroethene	ND	2.0 µg/L
13	Chloroform	ND	2.0 µg/L
14	Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L
15	1,2-Dichloroethane	ND	2.0 µg/L
16	1,1,1-Trichloroethane	ND	2.0 µg/L
17	Carbon tetrachloride	ND	2.0 µg/L
18	Benzene	5.8	1.0 µg/L
19	Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L
20	1,2-Dichloropropane	ND	2.0 µg/L
21	Trichloroethene	ND	2.0 µg/L
22	Bromodichloromethane	ND	2.0 µg/L
23	cis-1,3-Dichloropropene	ND	2.0 µg/L
24	trans-1,3-Dichloropropene	ND	2.0 µg/L
25	1,1,2-Trichloroethane	ND	2.0 µg/L
26	Toluene	ND	1.0 µg/L
27	Dibromochloromethane	ND	2.0 µg/L
28	1,2-Dibromoethane (EDB)	ND	4.0 µg/L
29	Tetrachloroethene	ND	2.0 µg/L
30	Chlorobenzene	ND	2.0 µg/L
31	Ethylbenzene	14	1.0 µg/L
32	m,p-Xylene	16	1.0 µg/L
33	Bromoform	ND	2.0 µg/L
34	o-Xylene	ND	1.0 µg/L
35	1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
36	1,3-Dichlorobenzene	ND	2.0 µg/L
37	1,4-Dichlorobenzene	ND	2.0 µg/L
38	1,2-Dichlorobenzene	ND	2.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.
This replaces the report signed 3/4/15 due to a change in the Client IDs, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

ACLASS ACCREDITED DoD ELAP

NELAP ACCREDITED LABORATORY

3/5/15
Report Date

Alpha Analytical, Inc.

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

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

VOC Sample Preservation Report

Work Order: STR15022540 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15022540-01A	MW-1	Aqueous	2
15022540-02A	MW-2	Aqueous	2
15022540-03A	MW-3	Aqueous	2
15022540-04A	MW-4	Aqueous	2
15022540-05A	MW-5	Aqueous	2
15022540-06A	MW-6	Aqueous	2
15022540-07A	MW-7	Aqueous	2
15022540-08A	MW-8	Aqueous	2
15022540-09A	MW-9	Aqueous	2

This replaces the pH report issued 3/4/15 due to a change in the Client IDs, per client request.

3/5/15

Report Date

Alpha Analytical, Inc.

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

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

Date: *03-Mar-15*

QC Summary Report

Work Order: 15022540

Method Blank

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

File ID: Batch ID: **W0226OG** Analysis Date: **02/26/2015 00:00**

Sample ID: **MBLK-W0226OG** Units : **µg/L** Run ID: **WETLAB_150226A** Prep Date: **02/26/2015 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: **W0226OG** Analysis Date: **02/26/2015 00:00**

Sample ID: **LCS-W0226OG** Units : **µg/L** Run ID: **WETLAB_150226A** Prep Date: **02/26/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	40200	5000	40000		101	78	114			

Sample Matrix Spike

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

File ID: Batch ID: **W0226OG** Analysis Date: **02/26/2015 00:00**

Sample ID: **15022540-02AMS** Units : **µg/L** Run ID: **WETLAB_150226A** Prep Date: **02/26/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	40100	5000	40000	0	100	78	114			

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.

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: *03-Mar-15*

QC Summary Report

Work Order: 15022540

Method Blank

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

File ID: Batch ID: **W0302SG** Analysis Date: **03/02/2015 00:00**

Sample ID: **MBLK-W0302SG** Units : **µg/L** Run ID: **WETLAB_150302A** Prep Date: **03/02/2015 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: **W0302SG** Analysis Date: **03/02/2015 00:00**

Sample ID: **LCS-W0302SG** Units : **µg/L** Run ID: **WETLAB_150302A** Prep Date: **03/02/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	16200	5000	20000		81	64	132			

Sample Matrix Spike

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

File ID: Batch ID: **W0302SG** Analysis Date: **03/02/2015 00:00**

Sample ID: **15022540-02AMS** Units : **µg/L** Run ID: **WETLAB_150302A** Prep Date: **03/02/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	16200	5000	20000	0	81	64	132			

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.

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: *04-Mar-15*

QC Summary Report

Work Order: 15022540

Method Blank

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

File ID: **15030204.D** Batch ID: **MS08W0302B** Analysis Date: **03/02/2015 11:26**

Sample ID: **MBLK MS08W0302B** Units : **mg/L** Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 11:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00734		0.01		73	70	130			
Surr: Toluene-d8	0.0111		0.01		111	70	130			
Surr: 4-Bromofluorobenzene	0.00853		0.01		85	70	130			

Laboratory Control Spike

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

File ID: **15030203.D** Batch ID: **MS08W0302B** Analysis Date: **03/02/2015 10:57**

Sample ID: **GLCS MS08W0302B** Units : **mg/L** Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 10:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.416	0.05	0.4		104	70	130			
Surr: 1,2-Dichloroethane-d4	0.00715		0.01		72	70	130			
Surr: Toluene-d8	0.0105		0.01		105	70	130			
Surr: 4-Bromofluorobenzene	0.00944		0.01		94	70	130			

Sample Matrix Spike

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

File ID: **15030216.D** Batch ID: **MS08W0302B** Analysis Date: **03/02/2015 16:18**

Sample ID: **15022540-03AGS** Units : **mg/L** Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 16:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.72	0.25	2	0	86	54	143			
Surr: 1,2-Dichloroethane-d4	0.0373		0.05		75	70	130			
Surr: Toluene-d8	0.0544		0.05		109	70	130			
Surr: 4-Bromofluorobenzene	0.0473		0.05		95	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15030217.D** Batch ID: **MS08W0302B** Analysis Date: **03/02/2015 16:42**

Sample ID: **15022540-03AGSD** Units : **mg/L** Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 16:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.62	0.25	2	0	81	54	143	1.719	6.1(23)	
Surr: 1,2-Dichloroethane-d4	0.0368		0.05		74	70	130			
Surr: Toluene-d8	0.0542		0.05		108	70	130			
Surr: 4-Bromofluorobenzene	0.0474		0.05		95	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: 04-Mar-15

QC Summary Report

Work Order: 15022540

Method Blank

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

File ID: **15030204.D** Batch ID: **MS08W0302A** Analysis Date: **03/02/2015 11:26**

Sample ID: **MBLK MS08W0302A** Units : µg/L Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 11:26**

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								
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	7.34		10		73	70	130			
Surr: Toluene-d8	11.1		10		111	70	130			
Surr: 4-Bromofluorobenzene	8.53		10		85	70	130			

Laboratory Control Spike

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

File ID: **15030202.D** Batch ID: **MS08W0302A** Analysis Date: **03/02/2015 10:17**

Sample ID: **LCS MS08W0302A** Units : µg/L Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 10:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11.9	1	10		119	80	120			
Methyl tert-butyl ether (MTBE)	8.04	0.5	10		80	63	137			
Benzene	9.59	0.5	10		96	70	130			
Trichloroethene	11.2	1	10		112	68	138			
Toluene	10.9	0.5	10		109	80	120			
Chlorobenzene	11.7	1	10		117	70	130			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	11.8	0.5	10		118	65	139			
o-Xylene	11.6	0.5	10		116	70	130			
Surr: 1,2-Dichloroethane-d4	7.28		10		73	70	130			
Surr: Toluene-d8	10.9		10		109	70	130			
Surr: 4-Bromofluorobenzene	9.49		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: 04-Mar-15

QC Summary Report

Work Order: 15022540

Sample Matrix Spike

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

File ID: **15030214.D** Batch ID: **MS08W0302A** Analysis Date: **03/02/2015 15:30**

Sample ID: **15022540-03AMS** Units : µg/L Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 15:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.5	2.5	50	0	101	62	133			
Methyl tert-butyl ether (MTBE)	38.4	1.3	50	0	77	56	140			
Benzene	44.6	1.3	50	0	89	67	134			
Trichloroethene	50	2.5	50	0	100	68	138			
Toluene	49.1	1.3	50	0	98	38	130			
Chlorobenzene	53.9	2.5	50	0	108	70	130			
Ethylbenzene	46.6	1.3	50	0	93	70	130			
m,p-Xylene	52.3	1.3	50	0	105	65	139			
o-Xylene	53.2	1.3	50	0	106	69	130			
Surr: 1,2-Dichloroethane-d4	35.7		50		71	70	130			
Surr: Toluene-d8	56		50		112	70	130			
Surr: 4-Bromofluorobenzene	46		50		92	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15030215.D** Batch ID: **MS08W0302A** Analysis Date: **03/02/2015 15:54**

Sample ID: **15022540-03AMSD** Units : µg/L Run ID: **MSD_08_150302A** Prep Date: **03/02/2015 15:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	47.2	2.5	50	0	94	62	133	50.54	6.8(35)	
Methyl tert-butyl ether (MTBE)	42.3	1.3	50	0	85	56	140	38.36	9.7(40)	
Benzene	46.9	1.3	50	0	94	67	134	44.57	5.1(21)	
Trichloroethene	52.5	2.5	50	0	105	68	138	50	4.8(20)	
Toluene	51.8	1.3	50	0	104	38	130	49.12	5.3(20)	
Chlorobenzene	56.1	2.5	50	0	112	70	130	53.9	4.1(20)	
Ethylbenzene	48.4	1.3	50	0	97	70	130	46.59	3.9(20)	
m,p-Xylene	54.5	1.3	50	0	109	65	139	52.3	4.2(20)	
o-Xylene	55.4	1.3	50	0	111	69	130	53.17	4.1(20)	
Surr: 1,2-Dichloroethane-d4	37		50		74	70	130			
Surr: Toluene-d8	55.9		50		112	70	130			
Surr: 4-Bromofluorobenzene	46		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.

AMENDED #2

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 : STR15022540

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

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 12163 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
3 °C	25-Feb-15	04-Mar-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests OG_HEM_W	OG_SGT_W	TPH/P_W	VOC_W					Sample Remarks
STR15022540-01A	MW-1	AQ	02/24/15 12:55	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-02A	MW-2	AQ	02/24/15 12:03	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-03A	MW-3	AQ	02/24/15 12:33	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-04A	MW-4	AQ	02/24/15 11:38	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-05A	MW-5	AQ	02/24/15 12:22	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-06A	MW-6	AQ	02/24/15 12:13	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-07A	MW-7	AQ	02/24/15 12:44	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-08A	MW-8	AQ	02/24/15 11:50	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					
STR15022540-09A	MW-9	AQ	02/24/15 09:30	8	0	5	X	X	GAS-C	8260/Oxys/E DB_Cs					

Comments: Security seals intact. Frozen ice. Oil & Grease with Silica Gel clean up. Amended on 2/26/15 to correct remarks on analysis due to login error. JA. Amended on 3/4/15 to inlcuded dashes on all sample descriptions, per Scott. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/4/15 1240

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 : STR15022540

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

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

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

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 12163 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
3 °C	25-Feb-15	25-Feb-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests OG_HEM_W	OG_SGT_W	TPH/P_W	VOC_W					Sample Remarks
STR15022540-01A	MW1	AQ	02/24/15 12:55	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-02A	MW2	AQ	02/24/15 12:03	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-03A	MW3	AQ	02/24/15 12:33	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-04A	MW4	AQ	02/24/15 11:38	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-05A	MW5	AQ	02/24/15 12:22	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-06A	MW6	AQ	02/24/15 12:13	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-07A	MW7	AQ	02/24/15 12:44	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					
STR15022540-08A	MW8	AQ	02/24/15 11:50	8	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					

Comments: Security seals intact. Frozen ice. Oil & Grease with Silica Gel clean up. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/25/15 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 :

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 : STR15022540

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

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

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

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 12163 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
3 °C	25-Feb-15	25-Feb-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: OG_HEM_W	OG_SGT_W	TPH/P_W	VOC_W					Sample Remarks
STR15022540-09A	MW9	AQ	02/24/15 09:30	7	0	5	X	X	GAS-C	BTEX/OXYS /1,2-DCA/EDB					

Comments: Security seals intact. Frozen ice. Oil & Grease with Silica Gel clean up. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/25/15 10:15

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: Strayk's
Attn: Scott
Address: 3330 Cameron Pk
City, State, Zip: Cameron Pk
Phone Number: 5306764404 Fax: 5306764405

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

12163

Page # 1 of 1

Consultant/ Client Info:
Company: Strayk's
Address:
City, State, Zip:

Job and Purchase Order Info:
Job #
Job Name: Gamit 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 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)	BRO	Btex	5 oxys	1,2 DCA	EDB	Oil Grease	Halogenated VOCs					Remarks
1251	2/24	AQ	STR15022540-01A	MW1	STD	N	8	X	X	X	X	X	X	X					
1203			-02A	MW2			8												
1233			-03A	MW3			8												
1136			-04A	MW4			8												
1222			-05A	MW5			8												
1213			-06A	MW6			8												
1244			-07A	MW7			8												
1150			-08A	MW8			8												
0930			-09A	MW9			7	X	X	X	X	X	X	X					

ADDITIONAL INSTRUCTIONS: Oil + Grease with 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: [signature]

Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
[signature] Strayk's	2/24/15 1507	1509	Melissa T	2-24-15	1509
			[signature]	2/25/15	950

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

Pace Analytical®

Report Number : 90046
Date : 01/30/2015

Laboratory Results

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

Subject : 2 Vapor Samples
Project Name : Grimit Auto
Project Number :

Dear Ms. Barr,

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

Sincerely,

Troy G. Turpen

Troy Turpen

Pace Analytical®

Report Number : 90046
Date : 01/30/2015

Subject : 2 Vapor Samples
Project Name : Grimit Auto
Project Number :

Case Narrative

A version of this report was previously issued on 01/06/2015. This revised version with additional results replaces that report.

Pace Analytical®

Report Number : 90046
Date : 01/30/2015

Project Name : **Grimit Auto**
Project Number :

Sample : **Grim A Sys INF** Matrix : Air Lab Number : 90046-01
Sample Date :01/05/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	01/05/15 20:46
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	01/05/15 20:46
Vinyl Chloride	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
Trichloroethene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
Tetrachloroethene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
Chlorobenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
n-Propylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
1,2,4-Trimethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
P,M-Xylene	< 0.40	0.40	mg/m3	EPA 8260B	01/05/15 20:46
O-Xylene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 20:46
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	01/05/15 20:46
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	01/05/15 20:46
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/05/15 20:46

Pace Analytical®

Report Number : 90046

Date : 01/30/2015

Project Name : **Grimit Auto**

Project Number :

Sample : **Grim A EFF** Matrix : Air Lab Number : 90046-02

Sample Date :01/05/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	01/05/15 21:55
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	01/05/15 21:55
Vinyl Chloride	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
Trichloroethene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
Tetrachloroethene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
Chlorobenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
n-Propylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
1,2,4-Trimethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
P,M-Xylene	< 0.40	0.40	mg/m3	EPA 8260B	01/05/15 21:55
O-Xylene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/15 21:55
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	01/05/15 21:55
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	01/05/15 21:55
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/05/15 21:55

Report Number : 90046

Date : 01/30/2015

QC Report : Method Blank Data

Project Name : **Grimit Auto**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	01/05/2015
Chlorobenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Tetrachloroethene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Trichloroethene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
Vinyl Chloride	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
1,2,4-Trimethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
O-Xylene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
P,M-Xylene	< 0.40	0.40	mg/m3	EPA 8260B	01/05/2015
n-Propylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	01/05/2015
1,2-Dichloroethane-d4 (Surr)	99.1		%	EPA 8260B	01/05/2015
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	01/05/2015
Toluene - d8 (Surr)	101		%	EPA 8260B	01/05/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Pace Analytical Services, Inc.

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

90046

Page: 1 of 1

1722113

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Stantec	Report To: Debbie BARR	Attention: Debbie
Address: 3330 Cameron Park Dr Cameron Park CA	Copy To:	Company Name: Stantec
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: 5306626004 Fax: 5306626015	Project Name: Grimit Auto	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: GRO	BTEX	MTBE	VOC's	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Grim A Sys INF		AR	G	1515	0907			4°	1	X								X	X	X	X			VOC's Including 01
2	Grim A EFF		AR	G	1515	0905			4°	1	X								X	X	X	X			PCE, TCE 02
3																									Vinyl Chloride
4																									Chlorobenzene
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
24 HR TAT on EFF	Stantec	1515	1133				
STD on SysINF							
				Troy A. Turpen	1/5/15	1133	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: CHILL

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1515

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

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

Pace Analytical

SAMPLE RECEIPT CHECKLIST

SRG #: 90046

Sample Receipt	**Initials/Date:** TJB010515	**Storage Time:** 1133	**Sample Login**	**Initials/Date:** TJB010515	
TAT: ☐ Standard	☐ Rush	☒ Split	☐ None	**Method of Receipt:** ☐ Courier	☒ Over-the-counter ☐ Shipped
Temp °C ☒ N/A	Therm ID	Time	Coolant present ☐ Yes ☐ No ☐ Water	☐ Temp Excursion	
For Shipments Only:	Cooler Receipt Initials/Date/Time:		Custody Seals ☐ N/A ☐ Intact ☐ Broken		

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

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

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

Receipt Details:

Matrix	Container Type	# of Containers
AR	Tedlar	2

Comments: Pace tag numbers: 10277018-02, -03. TJB 010515 1435

Requires client: Clarification ☐ Approval ☐ Notification ☐

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

Pace Analytical®

Report Number : 90255
Date : 02/03/2015

Laboratory Results

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

Subject : 2 Vapor Samples
Project Name : Grimit Auto
Project Number :

Dear Ms. Barr,

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

Sincerely,

Troy G. Turpen

Troy Turpen

Pace Analytical®

Report Number : 90255
Date : 02/03/2015

Project Name : **Grimit Auto**
Project Number :

Sample : **Grim A Sys INF** Matrix : Air Lab Number : 90255-01
Sample Date :02/02/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	02/02/15 16:31
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	02/02/15 16:31
Vinyl Chloride	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
Trichloroethene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
Tetrachloroethene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
Chlorobenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
n-Propylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
1,2,4-Trimethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 16:31
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	02/02/15 16:31
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/02/15 16:31

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Report Number : 90255
Date : 02/03/2015

Project Name : **Grimit Auto**
Project Number :

Sample : **Grim A EFF** Matrix : Air Lab Number : 90255-02
Sample Date :02/02/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	02/02/15 17:35
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	02/02/15 17:35
Vinyl Chloride	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
Trichloroethene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
Tetrachloroethene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
Chlorobenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
n-Propylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
1,2,4-Trimethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/15 17:35
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	02/02/15 17:35
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	02/02/15 17:35

Report Number : 90255

Date : 02/03/2015

QC Report : Method Blank Data

Project Name : **Grimit Auto**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	02/02/2015
1,2,4-Trimethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Chlorobenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Tetrachloroethene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Trichloroethene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
Vinyl Chloride	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
n-Propylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	02/02/2015
1,2-Dichloroethane-d4 (Surr)	98.2		%	EPA 8260B	02/02/2015
Toluene - d8 (Surr)	102		%	EPA 8260B	02/02/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

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

90255

Page: 1 of 1

1910593

Section A Required Client Information:

Company: Stratus
Address: 5330 Cameron Rd
Cameron PK
Email To:
Phone: 530 676 6004 Fax: 530 676 6005
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: GRO	BTEX	MTBE	VOCs *	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Grimy Sys Inf	AR		2-21-25	0819				1	X								X	X	X	X		VOCs Including PCE, TCE Vinyl Chloride Chlorobenzene 01
2	Grimy Eff	AR		2-21-25	0810				1	X								X	X	X	X		02
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
9x5 INF STD	Stratus	2215	1208				
EFF 24HR TAT							
				Pace Analytical	022025	1208	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Chris
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY):

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

Page 5 of 6

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

Pace Analytical

SAMPLE RECEIPT CHECKLIST

SRG #: 90255

Sample Receipt	Initials/Date: Eug 020215	Storage Time: 1208	Sample Login	Initials/Date: Eug 020215

TAT: ☐ Standard ☐ Rush ☒ Split ☐ None

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

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

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

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

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

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

Comments: Tedlar Bags: 1027018-13, -14.
Eug 020215 1208

Receipt Details:

Matrix	Container Type	# of Containers
AR	Tedlar	02

Page 6 of 6

Requires client: Clarification ☐ Approval ☐ Notification ☐

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

Pace Analytical®

Report Number : 90501
Date : 04/16/2015

Laboratory Results

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

Subject : 2 Vapor Samples
Project Name : Grimit Auto
Project Number :

Dear Ms. Barr,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the TNI 2009 standards.

Pace Analytical Services, Inc. is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab number 08263CA.

If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Pace Analytical®

Report Number : 90501
Date : 04/16/2015

Subject : 2 Vapor Samples
Project Name : Grimit Auto
Project Number :

Case Narrative

A search of the samples for tentatively identified compounds (TICs) was done. Using ten percent of the nearest, related internal standard concentration as the limit, Trichloroethene and Tetrachloroethene were not found in these samples at or above an estimated concentration of 0.2 mg/m3.

Pace Analytical®

Report Number : 90501
Date : 04/16/2015

Project Name : **Grimit Auto**
Project Number :

Sample : **Grim A Sys INF** Matrix : Air Lab Number : 90501-01
Sample Date :03/10/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:46
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:46
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	03/10/15 22:46
Total Xylenes	**0.27**	0.20	mg/m3	EPA 8260B	03/10/15 22:46
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:46
TPH as Gasoline	**45**	20	mg/m3	EPA 8260B	03/10/15 22:46
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	03/10/15 22:46
Toluene - d8 (Surr)	111		% Recovery	EPA 8260B	03/10/15 22:46

Sample : **Grim A EFF** Matrix : Air Lab Number : 90501-02
Sample Date :03/10/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:12
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:12
Ethylbenzene	< 0.25	0.25	mg/m3	EPA 8260B	03/10/15 22:12
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:12
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	03/10/15 22:12
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	03/10/15 22:12
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	03/10/15 22:12
Toluene - d8 (Surr)	111		% Recovery	EPA 8260B	03/10/15 22:12

Report Number : 90501

Date : 04/16/2015

QC Report : Method Blank Data

Project Name : **Grimit Auto**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	03/10/2015
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	03/10/2015
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	03/10/2015
Toluene - d8 (Surr)	113		%	EPA 8260B	03/10/2015

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Pace Analytical Services, Inc.

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

90501

Page: 1 of 1

1910 99

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Stantec	Report To: Debbie	Attention:
Address: 3330 Cameron Park Dr Cameron Pk CA	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: 530 676 6004 Fax: 530 676 6005	Project Name: Grimit Auto	Pace Project Manager:
Requested Due Date/TAT: 24 hr EFF	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: GRO	BTEX	MTBE	VOCs *	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Grimit Auto Sys Inf		AR	G	3/10/15	0905				1	X									X	X	X	X		STD TAT 001
2	Grimit Auto Eff		W	G	3/10/15	0905				1	X									X	X	X	X		24 HR TAT 002
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
* VOCs Including PCE, TCE Vinylchloride	Chris Stanton	3/10/15	1105				
				Pace Analytical	031015	1105	

Page 5 of 6

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: CHRIS STANTON

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/10/15

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

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

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 25Feb2015 Page 1 of 1
	Document No.: **F-DAV-C-002-rev.02**	Issuing Authority: Pace Davis, CA Quality Office

Sample Condition Upon Receipt

Client Name: STRATUS

Project #: 90501

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

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

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1. Airbag #s - 1027864-03
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2. -02
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: AR				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☒ N/A	Sample #
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☒ Yes	☐ No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

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

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	Grim W INF					
Lab ID :	STR15010645-01A	TPH-P (GRO)	ND	50 µg/L	01/07/15	01/07/15
Date Sampled	01/05/15 09:25	Vinyl chloride	ND	1.0 µg/L	01/07/15	01/07/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/07/15	01/07/15
		1,2-Dichloroethane	ND	1.0 µg/L	01/07/15	01/07/15
		Benzene	ND	0.50 µg/L	01/07/15	01/07/15
		Trichloroethene	ND	1.0 µg/L	01/07/15	01/07/15
		Toluene	ND	0.50 µg/L	01/07/15	01/07/15
		Tetrachloroethene	ND	1.0 µg/L	01/07/15	01/07/15
		Ethylbenzene	ND	0.50 µg/L	01/07/15	01/07/15
		m,p-Xylene	0.83	0.50 µg/L	01/07/15	01/07/15
		o-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
		Naphthalene	ND	2.0 µg/L	01/07/15	01/07/15

Gasoline Range Organics (GRO) C4-C13

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

ACLASS ACCREDITED DoD ELAP

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

1/8/15
Report Date

Alpha Analytical, Inc.

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

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

VOC Sample Preservation Report

Work Order: STR15010645 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15010645-01A	Grim W INF	Aqueous	2

1/8/15

Report Date

Alpha Analytical, Inc.

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

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

Date: 12-Jan-15

QC Summary Report

Work Order: 15010645

Method Blank

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

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

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

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

Laboratory Control Spike

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

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

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

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

Sample Matrix Spike

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

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

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

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

Sample Matrix Spike Duplicate

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

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

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

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

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

Date: 12-Jan-15

QC Summary Report

Work Order: 15010645

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: 15010706.D Batch ID: MS15W0107A Analysis Date: 01/07/2015 12:10

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

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

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	7.74	0.5	10		77	63	137			
Benzene	10.6	0.5	10		106	70	130			
Trichloroethene	10.3	1	10		103	68	138			
Toluene	11.1	0.5	10		111	80	120			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	11.2	0.5	10		112	65	139			
o-Xylene	11.2	0.5	10		112	70	130			
Surr: 1,2-Dichloroethane-d4	8.27		10		83	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.5	1.3	50	0	97	56	140			
Benzene	56.4	1.3	50	0	113	67	134			
Trichloroethene	50.8	2.5	50	0	102	68	138			
Toluene	56.1	1.3	50	0	112	38	130			
Ethylbenzene	50.5	1.3	50	0	101	70	130			
m,p-Xylene	54.5	1.3	50	0.83	107	65	139			
o-Xylene	55.5	1.3	50	0	111	69	130			
Surr: 1,2-Dichloroethane-d4	42.5		50		85	70	130			
Surr: Toluene-d8	51.6		50		103	70	130			
Surr: 4-Bromofluorobenzene	53.7		50		107	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	45.3	1.3	50	0	91	56	140	48.45	6.6(40)	
Benzene	50	1.3	50	0	100	67	134	56.43	12.1(21)	
Trichloroethene	44.5	2.5	50	0	89	68	138	50.78	13.2(20)	
Toluene	49.1	1.3	50	0	98	38	130	56.07	13.2(20)	
Ethylbenzene	44.7	1.3	50	0	89	70	130	50.47	12.0(20)	
m,p-Xylene	48.6	1.3	50	0.83	95	65	139	54.5	11.5(20)	
o-Xylene	49.8	1.3	50	0	99.5	69	130	55.52	10.9(20)	
Surr: 1,2-Dichloroethane-d4	42.9		50		86	70	130			
Surr: Toluene-d8	51.1		50		102	70	130			
Surr: 4-Bromofluorobenzene	54.6		50		109	70	130			

Alpha Analytical, Inc.

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

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

Date: *12-Jan-15*

QC Summary Report

Work Order: 15010645

Comments:

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

RUSH!

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR15010645

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

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16872 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15010645-01A	Grim W INF	AQ	01/05/15 09:25	6	0	2	GAS-C	8260 SPEC LIST_C							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	1/6/15 1118

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 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

16872

Page # 1 of 1

Billing Information:
Company: Strata's
Attn: Debbie
Address: 3330 Cameron Pk
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766005

Consultant/ Client Info:
Company: Strata's
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, 1,2DCA	Napthalene	VOC's PCE, TCE	Vinyl chloride						Remarks
0929	1515	AQ	STR15010648-01	Grim W INF	72	6		X	X	X	X	X	X						
0922	)	)		Grim W GAC 1	STD	6		X	X	X	X	X	X						
0918	1515	)		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: BHILL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	1515	1206	Muyssa T	1-5-15	1206
			[signature]	1/6/15	944

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

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

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W GAC1**					
Lab ID :	STR15010648-01A	TPH-P (GRO)	ND	50 µg/L	01/07/15	01/07/15
Date Sampled	01/05/15 09:22	Vinyl chloride	ND	1.0 µg/L	01/07/15	01/07/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/07/15	01/07/15
		1,2-Dichloroethane	ND	1.0 µg/L	01/07/15	01/07/15
		Benzene	ND	0.50 µg/L	01/07/15	01/07/15
		Trichloroethene	ND	1.0 µg/L	01/07/15	01/07/15
		Toluene	ND	0.50 µg/L	01/07/15	01/07/15
		Tetrachloroethene	ND	1.0 µg/L	01/07/15	01/07/15
		Ethylbenzene	ND	0.50 µg/L	01/07/15	01/07/15
		m,p-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
		o-Xylene	ND	0.50 µg/L	01/07/15	01/07/15
		Naphthalene	ND	2.0 µg/L	01/07/15	01/07/15

Gasoline Range Organics (GRO) C4-C13

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

ACCREDITED
DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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

1/13/15
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: STR15010648 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15010648-01A	Grim W GAC1	Aqueous	2

1/13/15

Report Date

Alpha Analytical, Inc.

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

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

Date: *13-Jan-15*

QC Summary Report

Work Order: 15010648

Method Blank

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

File ID: **15010707.D** Batch ID: **MS09W0107B** Analysis Date: **01/07/2015 13:41**

Sample ID: **MBLK MS09W0107B** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 13:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.87		10		89	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

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

File ID: **15010706.D** Batch ID: **MS09W0107B** Analysis Date: **01/07/2015 13:11**

Sample ID: **GLCS MS09W0107B** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 13:11**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	364	50	400		91	70	130			
Surr: 1,2-Dichloroethane-d4	8.24		10		82	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Sample Matrix Spike

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

File ID: **15010720.D** Batch ID: **MS09W0107B** Analysis Date: **01/07/2015 18:51**

Sample ID: **15010648-01AGS** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 18:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2280	250	2000	0	114	54	143			
Surr: 1,2-Dichloroethane-d4	47.8		50		96	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	53.1		50		106	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15010721.D** Batch ID: **MS09W0107B** Analysis Date: **01/07/2015 19:15**

Sample ID: **15010648-01AGSD** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 19:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2410	250	2000	0	121	54	143	2280	5.6(23)	
Surr: 1,2-Dichloroethane-d4	46.3		50		93	70	130			
Surr: Toluene-d8	50.1		50		100	70	130			
Surr: 4-Bromofluorobenzene	53.8		50		108	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: *13-Jan-15*

QC Summary Report

Work Order: 15010648

Method Blank

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

File ID: **15010707.D** Batch ID: **MS09W0107A** Analysis Date: **01/07/2015 13:41**

Sample ID: **MBLK MS09W0107A** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 13:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,2-Dichloroethane	ND	1								
Benzene	ND	0.5								
Trichloroethene	ND	1								
Toluene	ND	0.5								
Tetrachloroethene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	8.87		10		89	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

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

File ID: **15010705.D** Batch ID: **MS09W0107A** Analysis Date: **01/07/2015 12:23**

Sample ID: **LCS MS09W0107A** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 12:23**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	7.72	0.5	10		77	63	137			
Benzene	9.39	0.5	10		94	70	130			
Trichloroethene	8.71	1	10		87	68	138			
Toluene	9.11	0.5	10		91	80	120			
Ethylbenzene	9.89	0.5	10		99	80	120			
m,p-Xylene	8.68	0.5	10		87	65	139			
o-Xylene	8.74	0.5	10		87	70	130			
Surr: 1,2-Dichloroethane-d4	9.28		10		93	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.95		10		100	70	130			

Sample Matrix Spike

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

File ID: **15010718.D** Batch ID: **MS09W0107A** Analysis Date: **01/07/2015 18:03**

Sample ID: **15010648-01AMS** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 18:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	39.8	1.3	50	0	80	56	140			
Benzene	52.4	1.3	50	0	105	67	134			
Trichloroethene	48.7	2.5	50	0	97	68	138			
Toluene	52.4	1.3	50	0	105	38	130			
Ethylbenzene	56.6	1.3	50	0	113	70	130			
m,p-Xylene	48.1	1.3	50	0	96	65	139			
o-Xylene	47.3	1.3	50	0	95	69	130			
Surr: 1,2-Dichloroethane-d4	49.2		50		98	70	130			
Surr: Toluene-d8	48.9		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.8		50		102	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15010719.D** Batch ID: **MS09W0107A** Analysis Date: **01/07/2015 18:27**

Sample ID: **15010648-01AMSD** Units : µg/L Run ID: **MSD_09_150107A** Prep Date: **01/07/2015 18:27**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	44	1.3	50	0	88	56	140	39.8	10.0(40)	
Benzene	55.8	1.3	50	0	112	67	134	52.36	6.4(21)	
Trichloroethene	51.1	2.5	50	0	102	68	138	48.71	4.9(20)	
Toluene	54.8	1.3	50	0	110	38	130	52.4	4.5(20)	
Ethylbenzene	59	1.3	50	0	118	70	130	56.64	4.1(20)	
m,p-Xylene	50.4	1.3	50	0	101	65	139	48.11	4.6(20)	
o-Xylene	50.2	1.3	50	0	100	69	130	47.33	5.9(20)	
Surr: 1,2-Dichloroethane-d4	48.7		50		97	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.9		50		99.8	70	130			

Alpha Analytical, Inc.

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

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

Date: *13-Jan-15*

QC Summary Report

Work Order: 15010648

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 : STR15010648

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

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

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

PO :

Client's COC # : 16872 Job : Grimit Auto

EDD Required : Yes

Sampled by : C. Hill

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15010648-01A	Grim W GAC1	AQ	01/05/15 09:22	6	0	5	GAS-C	8260 SPEC LIST_C							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	1/6/15 1302

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

Billing Information:

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

Alpha Analytical, Inc.

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

Satellite Service Centers:

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

16872

Page # 1 of 1

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, 1,2DCA	Napthalene	VOC's PCE, TCE	Vinyl chloride						Remarks
0929	1515	AQ		Grim W INF	72	6		X	X	X	X	X	X						
0922	)	)	STR15010148-01A	Grim W GAC 1	STD	6		X	X	X	X	X	X						
0918	1515	)		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: BHLL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	1515	1206	Myssa T	1-5-15	1206
			[signature]	1/6/15	944

* 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 : 01/06/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W EFF**					
Lab ID :	STR15010642-01A	TPH-P (GRO)	ND	50 µg/L	01/06/15	01/06/15
Date Sampled	01/05/15 09:18	Vinyl chloride	ND	1.0 µg/L	01/06/15	01/06/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/06/15	01/06/15
		1,2-Dichloroethane	ND	1.0 µg/L	01/06/15	01/06/15
		Benzene	ND	0.50 µg/L	01/06/15	01/06/15
		Trichloroethene	ND	1.0 µg/L	01/06/15	01/06/15
		Toluene	ND	0.50 µg/L	01/06/15	01/06/15
		Tetrachloroethene	ND	1.0 µg/L	01/06/15	01/06/15
		Ethylbenzene	ND	0.50 µg/L	01/06/15	01/06/15
		m,p-Xylene	ND	0.50 µg/L	01/06/15	01/06/15
		o-Xylene	ND	0.50 µg/L	01/06/15	01/06/15
		Naphthalene	ND	2.0 µg/L	01/06/15	01/06/15

Gasoline Range Organics (GRO) C4-C13

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

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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

1/6/15
Report Date

Alpha Analytical, Inc.

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

VOC Sample Preservation Report

Work Order: STR15010642 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15010642-01A	Grim W EFF	Aqueous	2

1/6/15

Report Date

Alpha Analytical, Inc.

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

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Date: *09-Jan-15*

QC Summary Report

Work Order: 15010642

Method Blank

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

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

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

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

Laboratory Control Spike

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

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

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

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

Sample Matrix Spike

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

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

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

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

Sample Matrix Spike Duplicate

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

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

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

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

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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Date: 09-Jan-15

QC Summary Report

Work Order: 15010642

Method Blank

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

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

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

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

Laboratory Control Spike

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

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.43	0.5	10		94	63	137			
Benzene	10.4	0.5	10		104	70	130			
Trichloroethene	10.1	1	10		101	68	138			
Toluene	10.5	0.5	10		105	80	120			
Ethylbenzene	10.2	0.5	10		102	80	120			
m,p-Xylene	10.8	0.5	10		108	65	139			
o-Xylene	10.9	0.5	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	9.9		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Sample Matrix Spike

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

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	47.9	1.3	50	0	96	56	140			
Benzene	52.9	1.3	50	0	106	67	134			
Trichloroethene	47.7	2.5	50	0	95	68	138			
Toluene	51	1.3	50	0	102	38	130			
Ethylbenzene	46	1.3	50	0	92	70	130			
m,p-Xylene	49.1	1.3	50	0	98	65	139			
o-Xylene	52.2	1.3	50	0	104	69	130			
Surr: 1,2-Dichloroethane-d4	46.3		50		93	70	130			
Surr: Toluene-d8	50.2		50		100	70	130			
Surr: 4-Bromofluorobenzene	53.7		50		107	70	130			

Sample Matrix Spike Duplicate

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

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	54	1.3	50	0	108	56	140	47.91	11.9(40)	
Benzene	54.6	1.3	50	0	109	67	134	52.89	3.1(21)	
Trichloroethene	47.5	2.5	50	0	95	68	138	47.67	0.3(20)	
Toluene	51.8	1.3	50	0	104	38	130	50.99	1.5(20)	
Ethylbenzene	46.2	1.3	50	0	92	70	130	45.99	0.5(20)	
m,p-Xylene	49.7	1.3	50	0	99	65	139	49.13	1.2(20)	
o-Xylene	52.9	1.3	50	0	106	69	130	52.24	1.2(20)	
Surr: 1,2-Dichloroethane-d4	45.5		50		91	70	130			
Surr: Toluene-d8	51.2		50		102	70	130			
Surr: 4-Bromofluorobenzene	53.6		50		107	70	130			

Alpha Analytical, Inc.

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

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

Date: *09-Jan-15*

QC Summary Report

Work Order: 15010642

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH!

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

WorkOrder : STR15010642

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

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16872 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15010642-01A	Grim W EFF	AQ	01/05/15 09:18	6	0	0	GAS-C	8260 SPEC LIST_C							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	1/6/15 1025

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 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

16872

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

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, 1,2DCA	Napthalene	VOCs PCE, TCE	Vinyl chloride						Remarks
0929	1515	AQ		Grim W INF	72	6		X	X	X	X	X	X						
0922	)	)		Grim W GAC 1	STD	6		X	X	X	X	X	X						
0918	1515	)	STR15010612-01A	Grim W EFF	24	6		X	X	X	X	X	X						
			STR15010612-01A																

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: B Hill

Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
[signature] Stratus	1515	1206	Mulyssa T	1-5-15	1206
			[signature]	1/6/15	944

* 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 : 02/03/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W INF**					
Lab ID :	STR15020345-01A	TPH-P (GRO)	ND	50 µg/L	02/05/15	02/05/15
Date Sampled	02/02/15 08:35	Vinyl chloride	ND	1.0 µg/L	02/05/15	02/05/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/05/15	02/05/15
		1,2-Dichloroethane	ND	1.0 µg/L	02/05/15	02/05/15
		Benzene	ND	0.50 µg/L	02/05/15	02/05/15
		Trichloroethene	ND	1.0 µg/L	02/05/15	02/05/15
		Toluene	ND	0.50 µg/L	02/05/15	02/05/15
		Tetrachloroethene	ND	1.0 µg/L	02/05/15	02/05/15
		Ethylbenzene	ND	0.50 µg/L	02/05/15	02/05/15
		m,p-Xylene	ND	0.50 µg/L	02/05/15	02/05/15
		o-Xylene	ND	0.50 µg/L	02/05/15	02/05/15
		Naphthalene	ND	2.0 µg/L	02/05/15	02/05/15

Gasoline Range Organics (GRO) C4-C13

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

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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

2/6/15
Report Date

Alpha Analytical, Inc.

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

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

VOC Sample Preservation Report

Work Order: STR15020345 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020345-01A	Grim W INF	Aqueous	2

2/6/15

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: 10-Feb-15

QC Summary Report

Work Order: 15020345

Method Blank

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

File ID: **15020504.D** Batch ID: **MS09W0205B** Analysis Date: **02/05/2015 10:46**

Sample ID: **MBLK MS09150205B** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 10:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.67		10		97	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.73		10		97	70	130			

Laboratory Control Spike

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

File ID: **15020503.D** Batch ID: **MS09W0205B** Analysis Date: **02/05/2015 10:21**

Sample ID: **GLCS MS09W0205B** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 10:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	381	50	400		95	70	130			
Surr: 1,2-Dichloroethane-d4	9.04		10		90	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Sample Matrix Spike

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

File ID: **15020518.D** Batch ID: **MS09W0205B** Analysis Date: **02/05/2015 16:21**

Sample ID: **15020349-01AGS** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 16:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1970	250	2000	0	98	54	143			
Surr: 1,2-Dichloroethane-d4	48.3		50		97	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.4		50		99	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15020519.D** Batch ID: **MS09W0205B** Analysis Date: **02/05/2015 16:45**

Sample ID: **15020349-01AGSD** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 16:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2200	250	2000	0	110	54	143	1966	11.1(23)	
Surr: 1,2-Dichloroethane-d4	48.7		50		97	70	130			
Surr: Toluene-d8	48.9		50		98	70	130			
Surr: 4-Bromofluorobenzene	50		50		99.9	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: *10-Feb-15*

QC Summary Report

Work Order: 15020345

Method Blank

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

File ID: **15020504.D** Batch ID: **MS09W0205A** Analysis Date: **02/05/2015 10:46**

Sample ID: **MBLK MS09W0205A** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 10:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,2-Dichloroethane	ND	1								
Benzene	ND	0.5								
Trichloroethene	ND	1								
Toluene	ND	0.5								
Tetrachloroethene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.67		10		97	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.73		10		97	70	130			

Laboratory Control Spike

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

File ID: **15020502.D** Batch ID: **MS09W0205A** Analysis Date: **02/05/2015 09:43**

Sample ID: **LCS MS09W0205A** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 09:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.04	0.5	10		90	63	137			
Benzene	10.2	0.5	10		102	70	130			
Trichloroethene	10.3	1	10		103	68	138			
Toluene	9.77	0.5	10		98	80	120			
Ethylbenzene	10.1	0.5	10		101	80	120			
m,p-Xylene	10.3	0.5	10		103	65	139			
o-Xylene	10.4	0.5	10		104	70	130			
Surr: 1,2-Dichloroethane-d4	9.55		10		96	70	130			
Surr: Toluene-d8	9.87		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.77		10		98	70	130			

Sample Matrix Spike

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

File ID: **15020516.D** Batch ID: **MS09W0205A** Analysis Date: **02/05/2015 15:34**

Sample ID: **15020349-01AMS** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 15:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	46.9	1.3	50	0	94	56	140			
Benzene	51.3	1.3	50	0	103	67	134			
Trichloroethene	52.3	2.5	50	0	105	68	138			
Toluene	49.6	1.3	50	0	99	38	130			
Ethylbenzene	51.4	1.3	50	0	103	70	130			
m,p-Xylene	53.1	1.3	50	0	106	65	139			
o-Xylene	53.5	1.3	50	0	107	69	130			
Surr: 1,2-Dichloroethane-d4	49.8		50		99.6	70	130			
Surr: Toluene-d8	49.3		50		99	70	130			
Surr: 4-Bromofluorobenzene	48.3		50		97	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15020517.D** Batch ID: **MS09W0205A** Analysis Date: **02/05/2015 15:58**

Sample ID: **15020349-01AMSD** Units : µg/L Run ID: **MSD_09_150205A** Prep Date: **02/05/2015 15:58**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.3	1.3	50	0	97	56	140	46.88	3.0(40)	
Benzene	52.3	1.3	50	0	105	67	134	51.29	1.9(21)	
Trichloroethene	53.7	2.5	50	0	107	68	138	52.25	2.7(20)	
Toluene	50.5	1.3	50	0	101	38	130	49.63	1.7(20)	
Ethylbenzene	52.8	1.3	50	0	106	70	130	51.37	2.8(20)	
m,p-Xylene	53.7	1.3	50	0	107	65	139	53.05	1.3(20)	
o-Xylene	54.3	1.3	50	0	109	69	130	53.46	1.6(20)	
Surr: 1,2-Dichloroethane-d4	48.8		50		98	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	48		50		96	70	130			

Alpha Analytical, Inc.

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

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

Date: *10-Feb-15*

QC Summary Report

Work Order: 15020345

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH!

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

WorkOrder : STR15020345

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

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16876 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020345-01A	Grim W INF	AQ	02/02/15 08:35	6	0	3	GAS-C	BTEX/M/1-2DCA/Naph/PCE/TCE/Vinyl Cl_C							

Comments: 72hr TAT. Security seals intact. Frozen ice. Chain split into three separate due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 1025

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

Billing Information:

Company: Stantec
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Park
Phone Number: 5306701004 Fax: 5306701005

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: 9831 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-368-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave. Suite 24, Las Vegas, NV 89120 Phone: 702-261-4848

16876

Page # 1 of 1

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: 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: GRO, BTEX	MTBE, 1, 2 DCA	Naphthalene	VOCs, TCE	Vinyl Chloride	Remarks
0835	2/2/15	AQ	STR1502035-01A	Grim W INF	72	6		X	X	X	X	X	X	
0830	2/2/15	AQ		Grim W GAC1	STD	6		X	X	X	X	X	X	
0825	2/2/15	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 445.0836 (c) (2).

Sampled By: CHC

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
CHC Stantec	2-2-15	1245	Melissa T	2-2-15	1247
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	2/3/15	1020
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.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

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

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W GAC1**					
Lab ID :	STR15020346-01A	TPH-P (GRO)	ND	50 µg/L	02/04/15	02/04/15
Date Sampled	02/02/15 08:30	Vinyl chloride	ND	1.0 µg/L	02/04/15	02/04/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/04/15	02/04/15
		1,2-Dichloroethane	ND	1.0 µg/L	02/04/15	02/04/15
		Benzene	ND	0.50 µg/L	02/04/15	02/04/15
		Trichloroethene	ND	1.0 µg/L	02/04/15	02/04/15
		Toluene	ND	0.50 µg/L	02/04/15	02/04/15
		Tetrachloroethene	ND	1.0 µg/L	02/04/15	02/04/15
		Ethylbenzene	ND	0.50 µg/L	02/04/15	02/04/15
		m,p-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		o-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		Naphthalene	ND	2.0 µg/L	02/04/15	02/04/15

Gasoline Range Organics (GRO) C4-C13

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

ACLASS ACCREDITED DoD ELAP

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

2/10/15
Report Date

Alpha Analytical, Inc.

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

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

VOC Sample Preservation Report

Work Order: STR15020346 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020346-01A	Grim W GAC1	Aqueous	2

2/10/15

Report Date

Alpha Analytical, Inc.

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

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

Date: *05-Feb-15*

QC Summary Report

Work Order: 15020346

Method Blank

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

File ID: **15020410.D** Batch ID: **MS09W0204B** Analysis Date: **02/04/2015 14:21**

Sample ID: **MBLK MS09W0204B** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 14:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.81		10		98	70	130			
Surr: Toluene-d8	9.92		10		99	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	70	130			

Laboratory Control Spike

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

File ID: **15020409.D** Batch ID: **MS09W0204B** Analysis Date: **02/04/2015 13:54**

Sample ID: **GLCS MS09W0204B** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 13:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	417	50	400		104	70	130			
Surr: 1,2-Dichloroethane-d4	9.91		10		99	70	130			
Surr: Toluene-d8	9.83		10		98	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: **15020423.D** Batch ID: **MS09W0204B** Analysis Date: **02/04/2015 19:28**

Sample ID: **15020346-01AGS** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 19:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1910	250	2000	0	96	54	143			
Surr: 1,2-Dichloroethane-d4	48.4		50		97	70	130			
Surr: Toluene-d8	49.3		50		99	70	130			
Surr: 4-Bromofluorobenzene	48.8		50		98	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15020424.D** Batch ID: **MS09W0204B** Analysis Date: **02/04/2015 19:51**

Sample ID: **15020346-01AGSD** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 19:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2320	250	2000	0	116	54	143	1913	19.2(23)	
Surr: 1,2-Dichloroethane-d4	48.6		50		97	70	130			
Surr: Toluene-d8	49		50		98	70	130			
Surr: 4-Bromofluorobenzene	48.7		50		97	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: 05-Feb-15

QC Summary Report

Work Order: 15020346

Method Blank

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

File ID: **15020410.D** Batch ID: **MS09W0204A** Analysis Date: **02/04/2015 14:21**

Sample ID: **MBLK MS09W0204A** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 14:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,2-Dichloroethane	ND	1								
Benzene	ND	0.5								
Trichloroethene	ND	1								
Toluene	ND	0.5								
Tetrachloroethene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.81		10		98	70	130			
Surr: Toluene-d8	9.92		10		99	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	70	130			

Laboratory Control Spike

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

File ID: **15020408.D** Batch ID: **MS09W0204A** Analysis Date: **02/04/2015 13:27**

Sample ID: **LCS MS09W0204A** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 13:27**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.25	0.5	10		83	63	137			
Benzene	8.81	0.5	10		88	70	130			
Trichloroethene	8.89	1	10		89	68	138			
Toluene	8.53	0.5	10		85	80	120			
Ethylbenzene	8.74	0.5	10		87	80	120			
m,p-Xylene	8.83	0.5	10		88	65	139			
o-Xylene	8.91	0.5	10		89	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.63		10		96	70	130			
Surr: 4-Bromofluorobenzene	9.61		10		96	70	130			

Sample Matrix Spike

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

File ID: **15020421.D** Batch ID: **MS09W0204A** Analysis Date: **02/04/2015 18:41**

Sample ID: **15020346-01AMS** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 18:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	48.8	1.3	50	0	98	56	140			
Benzene	51.3	1.3	50	0	103	67	134			
Trichloroethene	51	2.5	50	0	102	68	138			
Toluene	49.2	1.3	50	0	98	38	130			
Ethylbenzene	50	1.3	50	0	99.9	70	130			
m,p-Xylene	51.8	1.3	50	0	104	65	139			
o-Xylene	52.5	1.3	50	0	105	69	130			
Surr: 1,2-Dichloroethane-d4	47.8		50		96	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	47.9		50		96	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15020422.D** Batch ID: **MS09W0204A** Analysis Date: **02/04/2015 19:04**

Sample ID: **15020346-01AMSD** Units : µg/L Run ID: **MSD_09_150204A** Prep Date: **02/04/2015 19:04**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	51.2	1.3	50	0	102	56	140	48.77	4.8(40)	
Benzene	53.1	1.3	50	0	106	67	134	51.3	3.5(21)	
Trichloroethene	53.5	2.5	50	0	107	68	138	51.01	4.8(20)	
Toluene	50.4	1.3	50	0	101	38	130	49.18	2.4(20)	
Ethylbenzene	52.5	1.3	50	0	105	70	130	49.97	4.8(20)	
m,p-Xylene	54.1	1.3	50	0	108	65	139	51.8	4.3(20)	
o-Xylene	55.2	1.3	50	0	110	69	130	52.45	5.2(20)	
Surr: 1,2-Dichloroethane-d4	47.6		50		95	70	130			
Surr: Toluene-d8	50.1		50		100	70	130			
Surr: 4-Bromofluorobenzene	47.4		50		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: *05-Feb-15*

QC Summary Report

Work Order: 15020346

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 : STR15020346

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

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16876 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020346-01A	Grim W GAC1	AQ	02/02/15 08:30	6	0	5	GAS-C	BTEX/M/1-2DCA/Napl/PCE/TCE/Vinyl Cl_C							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 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: Dibble
Address: 3330 Cameron Park DR
City, State, Zip: Cameron Park
Phone Number: 5306676004 Fax: 5306676005

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

16876

Page # 1 of 1

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 (HH:MM)	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							Remarks
									GRO, BTEX	MTBE, 1, 2 DCA	Naphthalene	EDB's DCE, TCE	Vinyl Chloride			
0835	2/2/15	AQ		Grim W INF	72	6		X	X	X	X	X	X			
0830	2/2/15	AQ	STR1502034HD-01A	Grim W GAC1	STD	6		X	X	X	X	X	X			
0825	2/2/15	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: CHC ~ DLR

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
CHC Stratus	2.2.15	2245	Melissa T	2.2.15	1247
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date: 2/3/15	Time: 1020
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 : 02/03/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim W EFF**					
Lab ID :	STR15020343-01A	TPH-P (GRO)	ND	50 µg/L	02/04/15	02/04/15
Date Sampled	02/02/15 08:25	Vinyl chloride	ND	1.0 µg/L	02/04/15	02/04/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/04/15	02/04/15
		1,2-Dichloroethane	ND	1.0 µg/L	02/04/15	02/04/15
		Benzene	ND	0.50 µg/L	02/04/15	02/04/15
		Trichloroethene	ND	1.0 µg/L	02/04/15	02/04/15
		Toluene	ND	0.50 µg/L	02/04/15	02/04/15
		Tetrachloroethene	ND	1.0 µg/L	02/04/15	02/04/15
		Ethylbenzene	ND	0.50 µg/L	02/04/15	02/04/15
		m,p-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		o-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		Naphthalene	ND	2.0 µg/L	02/04/15	02/04/15

Gasoline Range Organics (GRO) C4-C13

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

ACCREDITED
DoD ELAP

Roger Scholl • Randy Gardner • Walter Hinchman

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

2/4/15
Report Date

Alpha Analytical, Inc.

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

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

VOC Sample Preservation Report

Work Order: STR15020343 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020343-01A	Grim W EFF	Aqueous	2

2/4/15

Report Date

Alpha Analytical, Inc.

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

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

Date: *06-Feb-15*

QC Summary Report

Work Order: 15020343

Method Blank

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

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

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

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

Laboratory Control Spike

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

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

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

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

Sample Matrix Spike

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

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

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

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

Sample Matrix Spike Duplicate

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

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

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

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

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: 06-Feb-15

QC Summary Report

Work Order: 15020343

Method Blank

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

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

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

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

Laboratory Control Spike

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

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.92	0.5	10		89	63	137			
Benzene	8.82	0.5	10		88	70	130			
Trichloroethene	9.42	1	10		94	68	138			
Toluene	8.92	0.5	10		89	80	120			
Ethylbenzene	8.58	0.5	10		86	80	120			
m,p-Xylene	9.26	0.5	10		93	65	139			
o-Xylene	9.04	0.5	10		90	70	130			
Surr: 1,2-Dichloroethane-d4	9.88		10		99	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Sample Matrix Spike

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

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	57.5	1.3	50	0	115	56	140			
Benzene	48.7	1.3	50	0	97	67	134			
Trichloroethene	51.7	2.5	50	0	103	68	138			
Toluene	46.6	1.3	50	0	93	38	130			
Ethylbenzene	45.1	1.3	50	0	90	70	130			
m,p-Xylene	47.8	1.3	50	0	96	65	139			
o-Xylene	48.1	1.3	50	0	96	69	130			
Surr: 1,2-Dichloroethane-d4	55.6		50		111	70	130			
Surr: Toluene-d8	47.3		50		95	70	130			
Surr: 4-Bromofluorobenzene	49.7		50		99	70	130			

Sample Matrix Spike Duplicate

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

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

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

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	63.9	1.3	50	0	128	56	140	57.52	10.5(40)	
Benzene	52.8	1.3	50	0	106	67	134	48.69	8.0(21)	
Trichloroethene	55.7	2.5	50	0	111	68	138	51.71	7.4(20)	
Toluene	50.2	1.3	50	0	100	38	130	46.56	7.5(20)	
Ethylbenzene	48.1	1.3	50	0	96	70	130	45.14	6.4(20)	
m,p-Xylene	51.3	1.3	50	0	103	65	139	47.82	7.0(20)	
o-Xylene	51.6	1.3	50	0	103	69	130	48.1	6.9(20)	
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Alpha Analytical, Inc.

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

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

Date: *06-Feb-15*

QC Summary Report

Work Order: 15020343

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA **RUSH!**

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

WorkOrder : STR15020343
Report Due By : 5:00 PM On : 04-Feb-15

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16876 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020343-01A	Grim W EFF	AQ	02/02/15 08:25	6	0	1	GAS-C	BTEX/M/1-2DCA/Naph/PCE/TCE/Vinyl Cl_C							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 1000

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 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

16876

Page # 1 of 1

Billing Information:

Company: Stratus
Attn: Debbie
Address: 3330 Cameron Pk DR
City, State, Zip: Cameron Pk
Phone Number: 5306764004 Fax: 5306766005

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	Naphthalene	VOCs PCE TCE	Vinyl chloride						Remarks
0835	2 2 15	AQ		Grim W INF	72	6		X	X	X	X	X	X						
0830	2 2 15	AQ		Grim W GAC 1	STD	6		X	X	X	X	X	X						
0825	2 2 15	AQ	STK1502043-01A	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 ~ D2K2

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	2-2-15	1245	Melyssa T	2-2-15	1247
			[signature]	2/3/15	945

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

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

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 :	STR15031145-01A	TPH-P (GRO)	ND	50 µg/L	03/12/15	03/12/15
Date Sampled	03/10/15 09:22					

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

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

3/16/15
Report Date

Alpha Analytical, Inc.

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

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: STR15031145-01A
Client I.D. Number: Grim W INF

Sampled: 03/10/15 09:22
Received: 03/11/15
Extracted: 03/12/15
Analyzed: 03/12/15

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	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
10	1,1-Dichloroethane	ND	1.0 µg/L
11	cis-1,2-Dichloroethene	ND	1.0 µg/L
12	Chloroform	ND	1.0 µg/L
13	1,2-Dichloroethane	ND	1.0 µg/L
14	1,1,1-Trichloroethane	ND	1.0 µg/L
15	Carbon tetrachloride	ND	1.0 µg/L
16	Benzene	ND	0.50 µg/L
17	1,2-Dichloropropane	ND	1.0 µg/L
18	Trichloroethene	ND	1.0 µg/L
19	Bromodichloromethane	ND	1.0 µg/L
20	cis-1,3-Dichloropropene	ND	1.0 µg/L
21	trans-1,3-Dichloropropene	ND	1.0 µg/L
22	1,1,2-Trichloroethane	ND	1.0 µg/L
23	Toluene	ND	0.50 µg/L
24	Dibromochloromethane	ND	1.0 µg/L
25	Tetrachloroethene	ND	1.0 µg/L
26	Chlorobenzene	ND	1.0 µg/L
27	Ethylbenzene	ND	0.50 µg/L
28	m,p-Xylene	0.66	0.50 µg/L
29	Bromoform	ND	1.0 µg/L
30	o-Xylene	ND	0.50 µg/L
31	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
32	1,3-Dichlorobenzene	ND	1.0 µg/L
33	1,4-Dichlorobenzene	ND	1.0 µg/L
34	1,2-Dichlorobenzene	ND	1.0 µg/L
35	Naphthalene	ND	2.0 µg/L

This replaces the report signed 3/16/15 due to a change in the concentration, due to lab error.

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

Roger Scholl Randy Gardner Walter Hinchman

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

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

3/18/15
Report Date

Alpha Analytical, Inc.

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

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

Date: *18-Mar-15*

QC Summary Report

Work Order: 15031145

Method Blank

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

File ID: **15031204.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 12:28**

Sample ID: **MBLK MS08W0312B** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 12:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.81		10		98	70	130			

Laboratory Control Spike

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

File ID: **15031203.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 11:56**

Sample ID: **GLCS MS08W0312B** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 11:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	404	50	400		101	70	130			
Surr: 1,2-Dichloroethane-d4	9.79		10		98	70	130			
Surr: Toluene-d8	9.05		10		91	70	130			
Surr: 4-Bromofluorobenzene	12		10		120	70	130			

Sample Matrix Spike

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

File ID: **15031209.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 14:27**

Sample ID: **15031145-01AGS** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 14:27**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1920	250	2000	0	96	54	143			
Surr: 1,2-Dichloroethane-d4	49.6		50		99	70	130			
Surr: Toluene-d8	46.4		50		93	70	130			
Surr: 4-Bromofluorobenzene	59.3		50		119	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15031210.D** Batch ID: **MS08W0312B** Analysis Date: **03/12/2015 14:50**

Sample ID: **15031145-01AGSD** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 14:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2080	250	2000	0	104	54	143	1923	7.9(23)	
Surr: 1,2-Dichloroethane-d4	48.8		50		98	70	130			
Surr: Toluene-d8	47.1		50		94	70	130			
Surr: 4-Bromofluorobenzene	61.3		50		123	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: 18-Mar-15

QC Summary Report

Work Order: 15031145

Method Blank

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

File ID: **15031204.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 12:28**

Sample ID: **MBLK MS08W0312A** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 12:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
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	10.2		10		102	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.81		10		98	70	130			

Laboratory Control Spike

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

File ID: **15031202.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 11:32**

Sample ID: **LCS MS08W0312A** Units : µg/L Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 11:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11.7	1	10		117	80	120			
Methyl tert-butyl ether (MTBE)	10.1	0.5	10		101	63	137			
Benzene	10.4	0.5	10		104	70	130			
Trichloroethene	9.98	1	10		99.8	68	138			
Toluene	10.9	0.5	10		109	80	120			
Chlorobenzene	11.5	1	10		115	70	130			
Ethylbenzene	10.6	0.5	10		106	80	120			
m,p-Xylene	11.5	0.5	10		115	65	139			
o-Xylene	11.3	0.5	10		113	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.16		10		92	70	130			
Surr: 4-Bromofluorobenzene	11.7		10		117	70	130			

Alpha Analytical, Inc.

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

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

Date: *18-Mar-15*

QC Summary Report

Work Order: 15031145

Sample Matrix Spike

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

File ID: **15031207.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 13:39**

Sample ID: **15031145-01AMS** Units : **µg/L** Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 13:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	59.8	2.5	50	0	120	62	133			
Methyl tert-butyl ether (MTBE)	51.7	1.3	50	0	103	56	140			
Benzene	51.9	1.3	50	0	104	67	134			
Trichloroethene	50.5	2.5	50	0	101	68	138			
Toluene	55.1	1.3	50	0	110	38	130			
Chlorobenzene	57.5	2.5	50	0	115	70	130			
Ethylbenzene	53.9	1.3	50	0	108	70	130			
m,p-Xylene	60.1	1.3	50	0.66	119	65	139			
o-Xylene	58.5	1.3	50	0	117	69	130			
Surr: 1,2-Dichloroethane-d4	49.4		50		99	70	130			
Surr: Toluene-d8	46.6		50		93	70	130			
Surr: 4-Bromofluorobenzene	55.2		50		110	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15031208.D** Batch ID: **MS08W0312A** Analysis Date: **03/12/2015 14:03**

Sample ID: **15031145-01AMSD** Units : **µg/L** Run ID: **MSD_08_150312A** Prep Date: **03/12/2015 14:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	58.6	2.5	50	0	117	62	133	59.83	2.0(35)	
Methyl tert-butyl ether (MTBE)	52.5	1.3	50	0	105	56	140	51.69	1.5(40)	
Benzene	53.8	1.3	50	0	108	67	134	51.89	3.6(21)	
Trichloroethene	51.5	2.5	50	0	103	68	138	50.53	1.9(20)	
Toluene	56.5	1.3	50	0	113	38	130	55.1	2.6(20)	
Chlorobenzene	58.4	2.5	50	0	117	70	130	57.53	1.4(20)	
Ethylbenzene	55.2	1.3	50	0	110	70	130	53.92	2.3(20)	
m,p-Xylene	61.4	1.3	50	0.66	121	65	139	60.06	2.1(20)	
o-Xylene	60.6	1.3	50	0	121	69	130	58.51	3.4(20)	
Surr: 1,2-Dichloroethane-d4	49.3		50		99	70	130			
Surr: Toluene-d8	46.4		50		93	70	130			
Surr: 4-Bromofluorobenzene	55.7		50		111	70	130			

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 RUSH!

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

WorkOrder : STR15031145

Report Due By : 5:00 PM On : 16-Mar-15

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16143 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	12-Mar-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15031145-01A	Grim W INF	AQ	03/10/15 09:22	6	0	3	GAS-C	8260/Naph/M_Cs							

Comments: 72hr TAT per client notes. Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. Amended on 3/12/15 to change 8260 analysis from soil to aqueous do to login error. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:			Alpha Analytical, Inc.	3/12/15 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

RUSH!

Page: 1 of 1

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 : STR15031145

Report Due By : 5:00 PM On : 16-Mar-15

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

EDD Required : **Yes**

Sampled by : C. Hill

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

PO :

Client's COC # : 16143 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	11-Mar-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_S							Sample Remarks
STR15031145-01A	Grim W INF	AQ	03/10/15 09:22	6	0	3	GAS-C	8260/Naph/M_Cs							

Comments: 72hr TAT per client notes. Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. ;

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/11/15 1030

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

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

Billing Information:

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

Alpha Analytical, Inc.

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

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-388-2901
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

16143

Page # 1 of 1

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	Naphthalene	VOCs *					Remarks
0922	3/9	AQ		Grim W INF	STD			X	X	X	X	X	X	X					
0916	"	"		Grim W GAL1	STD			X	X	X	X	X	X	X					
0913	"	AQ		Grim W EFF	24			X	X	X	X	X	X	X					

ADDITIONAL INSTRUCTIONS: * VOCs including PCE, TCE, Vinylchloride

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:
C Hill Stratus	3/10/15	1200	Melissa T	3-10-15	1200
Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date: 3/11/15	Time: 1010
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 : 03/11/15

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 GAC1**					
Lab ID :	STR15031146-01A	TPH-P (GRO)	ND	50 µg/L	03/15/15	03/15/15
Date Sampled	03/10/15 09:18					

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

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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

3/18/15
Report Date

Alpha Analytical, Inc.

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

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: STR15031146-01A
Client I.D. Number: Grim W GAC1

Sampled: 03/10/15 09:18
Received: 03/11/15
Extracted: 03/15/15
Analyzed: 03/15/15

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	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
10	1,1-Dichloroethane	ND	1.0 µg/L
11	cis-1,2-Dichloroethene	ND	1.0 µg/L
12	Chloroform	ND	1.0 µg/L
13	1,2-Dichloroethane	ND	1.0 µg/L
14	1,1,1-Trichloroethane	ND	1.0 µg/L
15	Carbon tetrachloride	ND	1.0 µg/L
16	Benzene	ND	0.50 µg/L
17	1,2-Dichloropropane	ND	1.0 µg/L
18	Trichloroethene	ND	1.0 µg/L
19	Bromodichloromethane	ND	1.0 µg/L
20	cis-1,3-Dichloropropene	ND	1.0 µg/L
21	trans-1,3-Dichloropropene	ND	1.0 µg/L
22	1,1,2-Trichloroethane	ND	1.0 µg/L
23	Toluene	ND	0.50 µg/L
24	Dibromochloromethane	ND	1.0 µg/L
25	Tetrachloroethene	ND	1.0 µg/L
26	Chlorobenzene	ND	1.0 µg/L
27	Ethylbenzene	ND	0.50 µg/L
28	m,p-Xylene	ND	0.50 µg/L
29	Bromoform	ND	1.0 µg/L
30	o-Xylene	ND	0.50 µg/L
31	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
32	1,3-Dichlorobenzene	ND	1.0 µg/L
33	1,4-Dichlorobenzene	ND	1.0 µg/L
34	1,2-Dichlorobenzene	ND	1.0 µg/L
35	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

ACCLASS ACCREDITED DoD ELAP

3/18/15
Report Date

Alpha Analytical, Inc.

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

VOC Sample Preservation Report

Work Order: STR15031146 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15031146-01A	Grim W GAC1	Aqueous	2

3/18/15
Report Date

Alpha Analytical, Inc.

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

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

Date: *17-Mar-15*

QC Summary Report

Work Order: 15031146

Method Blank

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

File ID: **C:\HPCHEM\MS06\DATA\150315\15031502.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 10:15**

Sample ID: **MBLK MS06W0315B** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 10:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	9.27		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.07		10		91	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS06\DATA\150315\15031504.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 11:00**

Sample ID: **GLCS MS06W0315B** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 11:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	399	50	400		99.8	70	130			
Surr: 1,2-Dichloroethane-d4	10.4		10		104	70	130			
Surr: Toluene-d8	9.17		10		92	70	130			
Surr: 4-Bromofluorobenzene	9.45		10		95	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS06\DATA\150315\15031522.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 18:02**

Sample ID: **15031146-01AGS** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 18:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2040	250	2000	0	102	54	143			
Surr: 1,2-Dichloroethane-d4	57.4		50		115	70	130			
Surr: Toluene-d8	45.6		50		91	70	130			
Surr: 4-Bromofluorobenzene	47.9		50		96	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS06\DATA\150315\15031523.D** Batch ID: **MS06W0315B** Analysis Date: **03/15/2015 18:25**

Sample ID: **15031146-01AGSD** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 18:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2440	250	2000	0	122	54	143	2040	18.0(23)	
Surr: 1,2-Dichloroethane-d4	52.1		50		104	70	130			
Surr: Toluene-d8	44.8		50		90	70	130			
Surr: 4-Bromofluorobenzene	47.5		50		95	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: 17-Mar-15

QC Summary Report

Work Order: 15031146

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: C:\HPCHEM\MS06\DATA\150315\15031502.D Batch ID: MS06W0315A Analysis Date: 03/15/2015 10:15

Sample ID: MBLK MS06W0315A Units : µg/L Run ID: MSD_06_150315A Prep Date: 03/15/2015 10:15

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
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		10		100	70	130			
Surr: Toluene-d8	9.27		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.07		10		91	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: C:\HPCHEM\MS06\DATA\150315\15031503.D Batch ID: MS06W0315A Analysis Date: 03/15/2015 10:37

Sample ID: LCS MS06W0315A Units : µg/L Run ID: MSD_06_150315A Prep Date: 03/15/2015 10:37

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11.7	1	10		117	80	120			
Methyl tert-butyl ether (MTBE)	10.9	0.5	10		109	63	137			
Benzene	10.3	0.5	10		103	70	130			
Trichloroethene	11.3	1	10		113	68	138			
Toluene	10.6	0.5	10		106	80	120			
Chlorobenzene	11.4	1	10		114	70	130			
Ethylbenzene	10.8	0.5	10		108	80	120			
m,p-Xylene	11.1	0.5	10		111	65	139			
o-Xylene	11	0.5	10		110	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.87		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.65		10		97	70	130			

Alpha Analytical, Inc.

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

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

Date: *17-Mar-15*

QC Summary Report

Work Order: 15031146

Sample Matrix Spike Type **MS** Test Code: **EPA Method 624/8260**

File ID: **C:\HPCHEM\MS06\DATA\150315\15031520.D** Batch ID: **MS06W0315A** Analysis Date: **03/15/2015 17:17**

Sample ID: **15031146-01AMS** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 17:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	58.8	2.5	50	0	118	62	133			
Methyl tert-butyl ether (MTBE)	57.2	1.3	50	0	114	56	140			
Benzene	51.4	1.3	50	0	103	67	134			
Trichloroethene	55.2	2.5	50	0	110	68	138			
Toluene	51.6	1.3	50	0	103	38	130			
Chlorobenzene	56.6	2.5	50	0	113	70	130			
Ethylbenzene	53	1.3	50	0	106	70	130			
m,p-Xylene	53.5	1.3	50	0	107	65	139			
o-Xylene	53.7	1.3	50	0	107	69	130			
Surr: 1,2-Dichloroethane-d4	55.2		50		110	70	130			
Surr: Toluene-d8	48.1		50		96	70	130			
Surr: 4-Bromofluorobenzene	47.7		50		95	70	130			

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **C:\HPCHEM\MS06\DATA\150315\15031521.D** Batch ID: **MS06W0315A** Analysis Date: **03/15/2015 17:40**

Sample ID: **15031146-01AMSD** Units : **µg/L** Run ID: **MSD_06_150315A** Prep Date: **03/15/2015 17:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	55.1	2.5	50	0	110	62	133	58.75	6.5(35)	
Methyl tert-butyl ether (MTBE)	57.6	1.3	50	0	115	56	140	57.24	0.6(40)	
Benzene	50.6	1.3	50	0	101	67	134	51.36	1.5(21)	
Trichloroethene	55.1	2.5	50	0	110	68	138	55.23	0.2(20)	
Toluene	51.6	1.3	50	0	103	38	130	51.56	0.1(20)	
Chlorobenzene	56	2.5	50	0	112	70	130	56.55	1.1(20)	
Ethylbenzene	52.7	1.3	50	0	105	70	130	53.03	0.7(20)	
m,p-Xylene	53.9	1.3	50	0	108	65	139	53.47	0.7(20)	
o-Xylene	54.1	1.3	50	0	108	69	130	53.71	0.6(20)	
Surr: 1,2-Dichloroethane-d4	53.3		50		107	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	47.2		50		94	70	130			

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

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

CA

WorkOrder : STR15031146

Report Due By : 5:00 PM On : 18-Mar-15

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16143 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	12-Mar-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15031146-01A	Grim W GAC1	AQ	03/10/15 09:18	6	0	5	GAS-C	8260/Naph/M_Cs							

Comments: Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. Amended on 3/12/15 to change 8260 analysis from soil to aqueous do to login error. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/12/15 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 :

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 : STR15031146

Report Due By : 5:00 PM On : 18-Mar-15

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16143 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	11-Mar-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_S							Sample Remarks
STR15031146-01A	Grim W GAC1	AQ	03/10/15 09:18	6	0	5	GAS-C	8260/Naph/M_Cs							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/11/15 1035

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 Pk
Phone Number: 5306726004 Fax: 5306726004

Alpha Analytical, Inc.

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

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-261-4848

16143

Page # 1 of 1

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: T0600100066 7
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
0922	3/9	AQ		Grim W INF	STD			X	X	X	X	X	X	X					
0916	"	"		Grim W GAL1	STD			X	X	X	X	X	X	X					
0913	"	AQ		Grim W EFF	24			X	X	X	X	X	X	X					

ADDITIONAL INSTRUCTIONS: * VOCs including PCE, TCE, Vinylchloride

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
Stanton	3/10/15	1200	Melissa T	3-10-15	1200
				3/11/15	1010

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

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

Job: 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 :	STR15031144-01A	TPH-P (GRO)	ND	50 µg/L	03/12/15	03/12/15
Date Sampled	03/10/15 09:13					

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

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

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

NELAC ACCREDITED LABORATORY

3/12/15
Report Date

Alpha Analytical, Inc.

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

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: STR15031144-01A
Client I.D. Number: Grim W EFF

Sampled: 03/10/15 09:13
Received: 03/11/15
Extracted: 03/12/15
Analyzed: 03/12/15

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	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
10	1,1-Dichloroethane	ND	1.0 µg/L
11	cis-1,2-Dichloroethene	ND	1.0 µg/L
12	Chloroform	ND	1.0 µg/L
13	1,2-Dichloroethane	ND	1.0 µg/L
14	1,1,1-Trichloroethane	ND	1.0 µg/L
15	Carbon tetrachloride	ND	1.0 µg/L
16	Benzene	ND	0.50 µg/L
17	1,2-Dichloropropane	ND	1.0 µg/L
18	Trichloroethene	ND	1.0 µg/L
19	Bromodichloromethane	ND	1.0 µg/L
20	cis-1,3-Dichloropropene	ND	1.0 µg/L
21	trans-1,3-Dichloropropene	ND	1.0 µg/L
22	1,1,2-Trichloroethane	ND	1.0 µg/L
23	Toluene	ND	0.50 µg/L
24	Dibromochloromethane	ND	1.0 µg/L
25	Tetrachloroethene	ND	1.0 µg/L
26	Chlorobenzene	ND	1.0 µg/L
27	Ethylbenzene	ND	0.50 µg/L
28	m,p-Xylene	ND	0.50 µg/L
29	Bromoform	ND	1.0 µg/L
30	o-Xylene	ND	0.50 µg/L
31	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
32	1,3-Dichlorobenzene	ND	1.0 µg/L
33	1,4-Dichlorobenzene	ND	1.0 µg/L
34	1,2-Dichlorobenzene	ND	1.0 µg/L
35	Naphthalene	ND	2.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

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

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

3/12/15
Report Date

Alpha Analytical, Inc.

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: STR15031144 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15031144-01A	Grim W EFF	Aqueous	2

3/12/15

Report Date

Alpha Analytical, Inc.

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

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

Date: 16-Mar-15

QC Summary Report

Work Order: 15031144

Method Blank

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

File ID: **15031205.D** Batch ID: **MS15W0312B** Analysis Date: **03/12/2015 12:39**

Sample ID: **MBLK MS15W0312B** Units : µg/L Run ID: **MSD_15_150312A** Prep Date: **03/12/2015 12:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

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

File ID: **15031204.D** Batch ID: **MS15W0312B** Analysis Date: **03/12/2015 12:10**

Sample ID: **GLCS MS15W0312B** Units : µg/L Run ID: **MSD_15_150312A** Prep Date: **03/12/2015 12:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	391	50	400		98	70	130			
Surr: 1,2-Dichloroethane-d4	11		10		110	70	130			
Surr: Toluene-d8	9.73		10		97	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Sample Matrix Spike

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

File ID: **15031228.D** Batch ID: **MS15W0312B** Analysis Date: **03/12/2015 22:00**

Sample ID: **15031147-01AGS** Units : µg/L Run ID: **MSD_15_150312A** Prep Date: **03/12/2015 22:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1970	250	2000	0	99	54	143			
Surr: 1,2-Dichloroethane-d4	56.4		50		113	70	130			
Surr: Toluene-d8	48.4		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15031229.D** Batch ID: **MS15W0312B** Analysis Date: **03/12/2015 22:25**

Sample ID: **15031147-01AGSD** Units : µg/L Run ID: **MSD_15_150312A** Prep Date: **03/12/2015 22:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2060	250	2000	0	103	54	143	1971	4.3(23)	
Surr: 1,2-Dichloroethane-d4	56.9		50		114	70	130			
Surr: Toluene-d8	49.6		50		99	70	130			
Surr: 4-Bromofluorobenzene	50.3		50		101	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: *16-Mar-15*

QC Summary Report

Work Order: 15031144

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15031205.D Batch ID: MS15W0312A Analysis Date: 03/12/2015 12:39

Sample ID: MBLK MS15W0312A Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 12:39

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
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	10.5		10		105	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15031203.D Batch ID: MS15W0312A Analysis Date: 03/12/2015 11:46

Sample ID: LCS MS15W0312A Units : µg/L Run ID: MSD_15_150312A Prep Date: 03/12/2015 11:46

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.78	1	10		98	80	120			
Methyl tert-butyl ether (MTBE)	8.47	0.5	10		85	63	137			
Benzene	9.4	0.5	10		94	70	130			
Trichloroethene	10.8	1	10		108	68	138			
Toluene	10.7	0.5	10		107	80	120			
Chlorobenzene	12.1	1	10		121	70	130			
Ethylbenzene	10.1	0.5	10		101	80	120			
m,p-Xylene	11	0.5	10		110	65	139			
o-Xylene	10.9	0.5	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	9.49		10		95	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.98		10		99.8	70	130			

Alpha Analytical, Inc.

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

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

Date: *16-Mar-15*

QC Summary Report

Work Order: 15031144

Sample Matrix Spike

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

File ID: **15031226.D** Batch ID: **MS15W0312A** Analysis Date: **03/12/2015 21:12**

Sample ID: **15030446-02AMS** Units : **µg/L** Run ID: **MSD_15_150312A** Prep Date: **03/12/2015 21:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	39.5	2.5	50	0	79	62	133			
Methyl tert-butyl ether (MTBE)	48.3	1.3	50	0	97	56	140			
Benzene	41	1.3	50	0	82	67	134			
Trichloroethene	42.8	2.5	50	0	86	68	138			
Toluene	43.4	1.3	50	0	87	38	130			
Chlorobenzene	51	2.5	50	0	102	70	130			
Ethylbenzene	38.9	1.3	50	0	78	70	130			
m,p-Xylene	42.1	1.3	50	0	84	65	139			
o-Xylene	44.3	1.3	50	0	89	69	130			
Surr: 1,2-Dichloroethane-d4	54.7		50		109	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.1		50		98	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15031227.D** Batch ID: **MS15W0312A** Analysis Date: **03/12/2015 21:36**

Sample ID: **15030446-02AMSD** Units : **µg/L** Run ID: **MSD_15_150312A** Prep Date: **03/12/2015 21:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	37.7	2.5	50	0	75	62	133	39.54	4.8(35)	
Methyl tert-butyl ether (MTBE)	46.2	1.3	50	0	92	56	140	48.33	4.6(40)	
Benzene	39.1	1.3	50	0	78	67	134	41	4.8(21)	
Trichloroethene	41.7	2.5	50	0	83	68	138	42.82	2.8(20)	
Toluene	42.1	1.3	50	0	84	38	130	43.37	3.0(20)	
Chlorobenzene	49.3	2.5	50	0	99	70	130	51.01	3.4(20)	
Ethylbenzene	38.7	1.3	50	0	77	70	130	38.88	0.5(20)	
m,p-Xylene	42.2	1.3	50	0	84	65	139	42.12	0.2(20)	
o-Xylene	43.3	1.3	50	0	87	69	130	44.27	2.2(20)	
Surr: 1,2-Dichloroethane-d4	54.1		50		108	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	49.8		50		99.5	70	130			

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 RUSH!

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

WorkOrder : STR15031144

Report Due By : 5:00 PM On : 12-Mar-15

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

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

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 16143 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	**12-Mar-15**

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15031144-01A	Grim W EFF	AQ	03/10/15 09:13	6	0	1	GAS-C	8260/Naph/M_Cs							

Comments: 24hr TAT. Security seals intact. Frozen ice. Chain split into three separate work orders due to different TAT. Amended on 3/12/15 to change 8260 analysis from soil to aqueous do to login error. JA

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/12/15 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 :

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 : STR15031144
Report Due By : 5:00 PM On : 12-Mar-15

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

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

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16143 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Mar-15	11-Mar-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_S							Sample Remarks
STR15031144-01A	Grim W EFF	AQ	03/10/15 09:13	6	0	1	GAS-C	8260/Naph/M_Cs							

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	3/11/15 1020

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

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

16143

Page # 1 of 1

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: T0600100066 7
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
0922	3/9	AQ		Grim W INF	STD			X	X	X	X	X	X	X					
0916	"	"		Grim W GAL1	STD			X	X	X	X	X	X	X					
0913	"	AQ	STR5031144-01A	Grim W EFF	24			X	X	X	X	X	X	X					

ADDITIONAL INSTRUCTIONS: * VOCs including PCE, TCE, Vinylchloride

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: CHLL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Stanton	3/10/15	1200	Melissa F	3-10-15	1200
				3/11/15	1020

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

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

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	1st Quarter 2015 GW Monitoring Lab Results
Report Type:	Monitoring Report - Semi-Annually
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15022540_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	3/6/2015 11:55:27 AM
Confirmation Number:	3677908360

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GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
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Submittal Type:	GEO_WELL
Report Title:	1st 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:	3/6/2015 12:06:35 PM
Confirmation Number:	8825639843

STATE WATER RESOURCES CONTROL BOARD

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UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
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Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 AINF-AEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	EDF_GrimitAuto_90046.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:01:45 PM
Confirmation Number:	4250526189

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Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 WINF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15010645_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:03:35 PM
Confirmation Number:	3806815862

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Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 WEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15010642_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:05:04 PM
Confirmation Number:	2484712123

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Submittal Type:	EDF
Report Title:	1Q15 QMR 1-5-15 WGAC
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15010648_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:04:13 PM
Confirmation Number:	1580985784

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Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 AINF-AEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	EDF_GrimitAuto_90255.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:01:10 PM
Confirmation Number:	3272666275

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Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 WINF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15020345_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:06:00 PM
Confirmation Number:	5188615918

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Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 WEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15020343_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:07:13 PM
Confirmation Number:	2016638219

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Submittal Type:	EDF
Report Title:	1Q15 QMR 2-2-15 WGAC
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15020346_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:06:37 PM
Confirmation Number:	4148397862

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 AINF-AEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	EDF_GrimitAuto_90501.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 5:08:07 PM
Confirmation Number:	9291938126

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 WINF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15031145_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:07:53 PM
Confirmation Number:	6749964118

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 WEFF
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15031144_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 2:12:17 PM
Confirmation Number:	4980293035

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Submittal Type:	EDF
Report Title:	1Q15 QMR 3-10-15 WGAC
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100667
Facility Name:	GRIMIT AUTO REPAIR & SERVICE
File Name:	15031146_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	4/23/2015 1:08:32 PM
Confirmation Number:	1771024584

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